TCP

CATALOG Volume 17

LED CFL HID Linear Lamps & Ballasts LED Luminaires Exit & Emergency

we know light™



PRODUCT CATALOG

LED CFL HID Linear Lamps & Ballasts LED Luminaires Exit & Emergency

we know light.™

TCP



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TCP CATALOG
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Lamps & Ballasts

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TCP

LED



At TCP®, we team with leading LED chip manufacturers while applying 20 years experience in designing and producing our own driver and lamp technology. The result: amazing light quality at an improved efficacy level that is 20% more efficient than our previous LED lineup. We offer a vast LED selection to give you the options you need to create the perfect light for any space.

With TCP LEDs, you can count on brilliant technology, unparalleled choice, and outstanding quality all at an exceptional value.








ELITE
SERIES by TCP

TCP is redefining the LED market with our new Elite Series, offering a comprehensive LED lineup.



ADVANCED TECHNOLOGY:

TCP designs and manufactures the drivers, thermals and optics for its lamps, to ensure that key components are precisely matched for optimal performance and quality.

UNPRECENDENTED PERFORMANCE:

BETTER EFFICACY:

Our Elite series of LEDs provides up to 20% improved efficiency over previous generation LEDs. This accounts for up to 85% energy savings over incandescent lamps. The Elite series lamps use less watts while providing the same great lumen output.

PRODUCT EXCELLENCE:

- Excellent light distribution
- Long Life
- Smooth uniform dimming
- Variety
- Aesthetic look that seamlessly blends into applications



Elite Designer Series LED PARs

ELITE™ DESIGNER SERIES by TCP

Perfect for the more **demanding lighting applications** like high-end retail and restaurants. TCP's Elite Designer Series optimizes the advanced technology found in our award-winning PAR lamps.

Color Temperatures

5000K 4100K 3500K 3000K 2700K 2400K

High CRI Available

TCP LED	Incandescent Replacement	Average Lumens	Average LPW
23W PAR38 non-dim. (finned)	150W PAR38	1600	70
19W PAR38 Wet location dim. (finned)	120W PAR38	1200	63
17W PAR38	120W PAR38	1200	70
14W PAR38/PAR30LN	90W PAR38 & PAR30	1050	75
12W PAR30LN/PAR30SN	75W PAR30	850	71
10W PAR30SN/PAR20	60W PAR30 & PAR20	600	60
8W PAR20	50W PAR20	500	62

Optics

15° Spot **25° Narrow Flood** **40° Wide Flood**



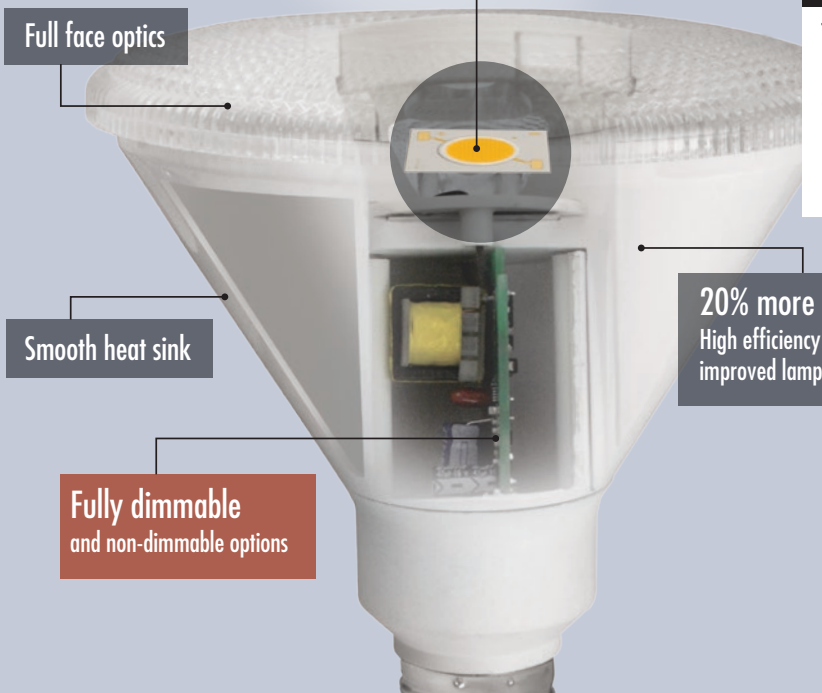
DESIGNER GRADE
LIGHT OUTPUT



PAR38 PAR30 PAR30SN PAR20

Available in white or black housing

ELITE DESIGNER SERIES:
Designer-Grade PARs



CHIP ON BOARD

TCP's COB is a single LED chip/optic design offering a **clean uniform beam pattern**

Full face optics

Smooth heat sink

20% more efficient
High efficiency driver supports improved lamp efficacy

Fully dimmable
and non-dimmable options



PAR38 PAR30 PAR30SN PAR20

PAR38, PAR30 & PAR20

Features & Benefits

- Energy efficient: up to 85% less energy than standard halogen replacement.
- Smooth, uniform dimming.
- Unique full face optic that provides designer grade light quality with same look as halogen replacement.
- Smooth, clean outside housing seamlessly blends into lighting applications.



Dimmable Designer Elite LED PAR Lamps



Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	*CBCP	Beam Angle	CCT	CRI	STK/MTO	Case Quantity
17W Elite Designer Dimmable PAR38 (Replaces 120W)												
LED17P38D24KFL		17W Smooth PAR38 - 2400K 40 Degree	120	17	1200	70.6	2231	40	2400K	82	MTO	12
LED17P38D24KNFL		17W Smooth PAR38 - 2400K 25 Degree	120	17	1200	70.6	5382	25	2400K	82	MTO	12
LED17P38D24KSP		17W Smooth PAR38 - 2400K 15 Degree	120	17	1200	70.6	12059	15	2400K	82	MTO	12
LED17P38D27KFL		17W Smooth PAR38 - 2700K 40 Degree	120	17	1200	70.6	2231	40	2700K	82	STK	12
LED17P38D27KNFL	★	17W Smooth PAR38 - 2700K 25 Degree	120	17	1200	70.6	5382	25	2700K	82	STK	12
LED17P38D27KSP		17W Smooth PAR38 - 2700K 15 Degree	120	17	1200	70.6	12059	15	2700K	82	MTO	12
LED17P38D30KFL	★	17W Smooth PAR38 - 3000K 40 Degree	120	17	1250	73.5	2231	40	3000K	82	STK	12
LED17P38D30KNFL	★	17W Smooth PAR38 - 3000K 25 Degree	120	17	1250	73.5	5382	25	3000K	82	STK	12
LED17P38D30KSP		17W Smooth PAR38 - 3000K 15 Degree	120	17	1250	73.5	12059	15	3000K	82	MTO	12
LED17P38D35KFL		17W Smooth PAR38 - 3500K 40 Degree	120	17	1275	75.0	2231	40	3500K	82	MTO	12
LED17P38D35KNFL		17W Smooth PAR38 - 3500K 25 Degree	120	17	1275	75.0	5382	25	3500K	82	MTO	12
LED17P38D35KSP		17W Smooth PAR38 - 3500K 15 Degree	120	17	1275	75.0	12059	15	3500K	82	MTO	12
LED17P38D41KFL		17W Smooth PAR38 - 4100K 40 Degree	120	17	1300	76.5	2231	40	4100K	82	MTO	12
LED17P38D41KNFL		17W Smooth PAR38 - 4100K 25 Degree	120	17	1300	76.5	5382	25	4100K	82	MTO	12
LED17P38D41KSP		17W Smooth PAR38 - 4100K 15 Degree	120	17	1300	76.5	12059	15	4100K	82	MTO	12
LED17P38D50KFL		17W Smooth PAR38 - 5000K 40 Degree	120	17	1300	76.5	2231	40	5000K	82	MTO	12
LED17P38D50KNFL		17W Smooth PAR38 - 5000K 25 Degree	120	17	1300	76.5	5382	25	5000K	82	MTO	12
LED17P38D50KSP		17W Smooth PAR38 - 5000K 15 Degree	120	17	1300	76.5	12059	15	5000K	82	MTO	12

★ ENERGY STAR® Rated (at time of print)

c UL us 5 YEAR WARRANTY

*Minimum CBCP est. Consult tcpi.com for most current photometry and LM79 data.

Dimmable Designer Elite LED PAR Lamps

Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	*CBCP	Beam Angle	CCT	CRI	STK/MTO	Case Quantity
14W Elite Designer Dimmable PAR38 (Replaces 90W)												
LED14P38D24KFL		14W Smooth PAR38 - 2400K 40 Degree	120	14	1050	75.0	1533	40	2400K	82	MTO	12
LED14P38D24KNFL		14W Smooth PAR38 - 2400K 25 Degree	120	14	1050	75.0	3697	25	2400K	82	MTO	12
LED14P38D24KSP		14W Smooth PAR38 - 2400K 15 Degree	120	14	1050	75.0	8284	15	2400K	82	MTO	12
LED14P38D27KFL		14W Smooth PAR38 - 2700K 40 Degree	120	14	1050	75.0	1533	40	2700K	82	STK	12
LED14P38D27KNFL		14W Smooth PAR38 - 2700K 25 Degree	120	14	1050	75.0	3697	25	2700K	82	STK	12
LED14P38D27KSP		14W Smooth PAR38 - 2700K 15 Degree	120	14	1050	75.0	8284	15	2700K	82	MTO	12
LED14P38D30KFL	★	14W Smooth PAR38 - 3000K 40 Degree	120	14	1100	78.6	1533	40	3000K	82	STK	12
LED14P38D30KNFL	★	14W Smooth PAR38 - 3000K 25 Degree	120	14	1100	78.6	3697	25	3000K	82	STK	12
LED14P38D30KSP		14W Smooth PAR38 - 3000K 15 Degree	120	14	1100	78.6	8284	15	3000K	82	MTO	12
LED14P38D35KFL		14W Smooth PAR38 - 3500K 40 Degree	120	14	1125	80.4	1533	40	3500K	82	MTO	12
LED14P38D35KNFL		14W Smooth PAR38 - 3500K 25 Degree	120	14	1125	80.4	3697	25	3500K	82	MTO	12
LED14P38D35KSP		14W Smooth PAR38 - 3500K 15 Degree	120	14	1125	80.4	8284	15	3500K	82	MTO	12
LED14P38D41KFL		14W Smooth PAR38 - 4100K 40 Degree	120	14	1150	82.1	1533	40	4100K	82	MTO	12
LED14P38D41KNFL		14W Smooth PAR38 - 4100K 25 Degree	120	14	1150	82.1	3697	25	4100K	82	MTO	12
LED14P38D41KSP		14W Smooth PAR38 - 4100K 15 Degree	120	14	1150	82.1	8284	15	4100K	82	MTO	12
LED14P38D50KFL		14W Smooth PAR38 -5000K 40 Degree	120	14	1150	82.1	1533	40	5000K	82	MTO	12
LED14P38D50KNFL		14W Smooth PAR38 -5000K 25 Degree	120	14	1150	82.1	3697	25	5000K	82	MTO	12
LED14P38D50KSP		14W Smooth PAR38 - 5000K 15 Degree	120	14	1150	82.1	8284	15	5000K	82	MTO	12
14W Elite Designer Dimmable PAR30 (Replaces 90W)												
LED14P30D24KFL		14W Smooth PAR30 - 2400K 40 Degree	120	14	1050	75.0	1758	40	2400K	82	MTO	12
LED14P30D24KNFL		14W Smooth PAR30 - 2400K 25 Degree	120	14	1050	75.0	3891	25	2400K	82	MTO	12
LED14P30D24KSP		14W Smooth PAR30 - 2400K 15 Degree	120	14	1050	75.0	8230	15	2400K	82	MTO	12
LED14P30D27KFL		14W Smooth PAR30 - 2700K 40 Degree	120	14	1050	75.0	1758	40	2700K	82	STK	12
LED14P30D27KNFL		14W Smooth PAR30 - 2700K 25 Degree	120	14	1050	75.0	3891	25	2700K	82	STK	12
LED14P30D27KSP		14W Smooth PAR30 - 2700K 15 Degree	120	14	1050	75.0	8230	15	2700K	82	MTO	12
LED14P30D30KFL	★	14W Smooth PAR30 - 3000K 40 Degree	120	14	1100	78.6	1758	40	3000K	82	STK	12
LED14P30D30KNFL		14W Smooth PAR30 - 3000K 25 Degree	120	14	1100	78.6	3891	25	3000K	82	STK	12
LED14P30D30KSP		14W Smooth PAR30 - 3000K 15 Degree	120	14	1100	78.6	8230	15	3000K	82	MTO	12
LED14P30D35KFL		14W Smooth PAR30 - 3500K 40 Degree	120	14	1125	80.4	1758	40	3500K	82	MTO	12
LED14P30D35KNFL		14W Smooth PAR30 - 3500K 25 Degree	120	14	1125	80.4	3891	25	3500K	82	MTO	12
LED14P30D35KSP		14W Smooth PAR30 - 3500K 15 Degree	120	14	1125	80.4	8230	15	3500K	82	MTO	12
LED14P30D41KFL		14W Smooth PAR30 - 4100K 40 Degree	120	14	1150	82.1	1758	40	4100K	82	MTO	12
LED14P30D41KNFL		14W Smooth PAR30 - 4100K 25 Degree	120	14	1150	82.1	3891	25	4100K	82	MTO	12
LED14P30D41KSP		14W Smooth PAR30 - 4100K 15 Degree	120	14	1150	80.4	8230	15	4100K	82	MTO	12
LED14P30D50KFL		14W Smooth PAR30 - 5000K 40 Degree	120	14	1150	82.1	1758	40	5000K	82	MTO	12
LED14P30D50KNFL		14W Smooth PAR30 - 5000K 25 Degree	120	14	1150	82.1	3891	25	5000K	82	MTO	12
LED14P30D50KSP		14W Smooth PAR30 - 5000K 15 Degree	120	14	1150	82.1	8230	15	5000K	82	MTO	12





★ ENERGY STAR® Rated (at time of print)

c UL us 5 YEAR WARRANTY

*Minimum CBCP est. Consult tcpi.com for most current photometry and LM79 data.

Dimmable Designer Elite LED PAR Lamps

12W Elite Designer Dimmable PAR30 (Replaces 75W)



Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	*CBCP	Beam Angle	CCT	CRI	STK/MTO	Case Quantity
LED12P30D24KFL		12W Smooth PAR30 - 2400K 40 Degree	120	12	800	66.7	1315	40	2400K	82	MTO	12
LED12P30D24KNFL		12W Smooth PAR30 - 2400K 25 Degree	120	12	800	66.7	2910	25	2400K	82	MTO	12
LED12P30D24KSP		12W Smooth PAR30 - 2400K 15 Degree	120	12	800	66.7	6155	15	2400K	82	MTO	12
LED12P30D27KFL		12W Smooth PAR30 - 2700K 40 Degree	120	12	800	66.7	1315	40	2700K	82	STK	12
LED12P30D27KNFL	★	12W Smooth PAR30 - 2700K 25 Degree	120	12	800	66.7	2910	25	2700K	82	STK	12
LED12P30D27KSP		12W Smooth PAR30 - 2700K 15 Degree	120	12	800	66.7	6155	15	2700K	82	MTO	12
LED12P30D30KFL		12W Smooth PAR30 - 3000K 40 Degree	120	12	825	68.8	1315	40	3000K	82	STK	12
LED12P30D30KNFL		12W Smooth PAR30 - 3000K 25 Degree	120	12	825	68.8	2910	25	3000K	82	STK	12
LED12P30D30KSP		12W Smooth PAR30 - 3000K 15 Degree	120	12	825	68.8	6155	15	3000K	82	MTO	12
LED12P30D35KFL		12W Smooth PAR30 - 3500K 40 Degree	120	12	850	70.8	1315	40	3500K	82	MTO	12
LED12P30D35KNFL		12W Smooth PAR30 - 3500K 25 Degree	120	12	850	70.8	2910	25	3500K	82	MTO	12
LED12P30D35KSP		12W Smooth PAR30 - 3500K 15 Degree	120	12	850	70.8	6155	15	3500K	82	MTO	12
LED12P30D41KFL		12W Smooth PAR30 - 4100K 40 Degree	120	12	875	72.9	1315	40	4100K	82	MTO	12
LED12P30D41KNFL		12W Smooth PAR30 - 4100K 25 Degree	120	12	875	72.9	2910	25	4100K	82	MTO	12
LED12P30D41KSP		12W Smooth PAR30 - 4100K 15 Degree	120	12	875	72.9	6155	15	4100K	82	MTO	12
LED12P30D50KFL		12W Smooth PAR30 - 5000K 40 Degree	120	12	875	72.9	1315	40	5000K	82	MTO	12
LED12P30D50KNFL		12W Smooth PAR30 - 5000K 25 Degree	120	12	875	72.9	2910	25	5000K	82	MTO	12
LED12P30D50KSP		12W Smooth PAR30 - 5000K 15 Degree	120	12	875	72.9	6155	15	5000K	82	MTO	12

12W Elite Designer Dimmable PAR30 Short Neck (Replaces 75W)



Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	*CBCP	Beam Angle	CCT	CRI	STK/MTO	Case Quantity
LED12P30SD24KFL		12W Smooth PAR30 SN - 2400K 40 Degree	120	12	800	66.7	1315	40	2400K	82	MTO	12
LED12P30SD24KNFL		12W Smooth PAR30 SN - 2400K 25 Degree	120	12	800	66.7	2910	25	2400K	82	MTO	12
LED12P30SD24KSP		12W Smooth PAR30 SN - 2400K 15 Degree	120	12	800	66.7	6155	15	2400K	82	MTO	12
LED12P30SD27KFL		12W Smooth PAR30 SN - 2700K 40 Degree	120	12	800	66.7	1315	40	2700K	82	STK	12
LED12P30SD27KNFL	★	12W Smooth PAR30 SN - 2700K 25 Degree	120	12	800	66.7	2910	25	2700K	82	STK	12
LED12P30SD27KSP	★	12W Smooth PAR30 SN - 2700K 15 Degree	120	12	800	66.7	6155	15	2700K	82	MTO	12
LED12P30SD30KFL	★	12W Smooth PAR30 SN - 3000K 40 Degree	120	12	825	68.8	1315	40	3000K	82	STK	12
LED12P30SD30KNFL	★	12W Smooth PAR30 SN - 3000K 25 Degree	120	12	825	68.8	2910	25	3000K	82	STK	12
LED12P30SD30KSP	★	12W Smooth PAR30 SN - 3000K 15 Degree	120	12	825	68.8	6155	15	3000K	82	MTO	12
LED12P30SD35KFL	★	12W Smooth PAR30 SN - 3500K 40 Degree	120	12	850	70.8	1315	40	3500K	82	MTO	12
LED12P30SD35KNFL	★	12W Smooth PAR30 SN - 3500K 25 Degree	120	12	850	70.8	2910	25	3500K	82	MTO	12
LED12P30SD35KSP	★	12W Smooth PAR30 SN - 3500K 15 Degree	120	12	850	70.8	6155	15	3500K	82	MTO	12
LED12P30SD41KFL	★	12W Smooth PAR30 SN - 4100K 40 Degree	120	12	875	72.9	1315	40	4100K	82	MTO	12
LED12P30SD41KNFL	★	12W Smooth PAR30 SN - 4100K 25 Degree	120	12	875	72.9	2910	25	4100K	82	MTO	12
LED12P30SD41KSP		12W Smooth PAR30 SN - 4100K 15 Degree	120	12	875	72.9	6155	15	4100K	82	MTO	12
LED12P30SD50KFL		12W Smooth PAR30 SN - 5000K 40 Degree	120	12	875	72.9	1315	40	5000K	82	MTO	12
LED12P30SD50KNFL		12W Smooth PAR30 SN - 5000K 25 Degree	120	12	875	72.9	2910	25	5000K	82	MTO	12
LED12P30SD50KSP		12W Smooth PAR30 SN - 5000K 15 Degree	120	12	875	72.9	6155	15	5000K	82	MTO	12

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c UL us 5 YEAR WARRANTY

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Dimmable Designer Elite LED PAR Lamps

Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	*CBCP	Beam Angle	CCT	CRI	STK/MTO	Case Quantity
10W Elite Designer Dimmable PAR30 Short Neck (Replaces 60W)												
LED10P30SD24KFL		10W Smooth PAR30 SN - 2400K 40 Degree	120	10	600	60.0	957	40	2400K	82	MTO	12
LED10P30SD24KNFL		10W Smooth PAR30 SN - 2400K 25 Degree	120	10	600	60.0	2118	25	2400K	82	MTO	12
LED10P30SD24KSP		10W Smooth PAR30 SN - 2400K 15 Degree	120	10	600	60.0	4480	15	2400K	82	MTO	12
LED10P30SD27KFL		10W Smooth PAR30 SN - 2700K 40 Degree	120	10	600	60.0	957	40	2700K	82	STK	12
LED10P30SD27KNFL	★	10W Smooth PAR30 SN - 2700K 25 Degree	120	10	600	60.0	2118	25	2700K	82	STK	12
LED10P30SD27KSP		10W Smooth PAR30 SN - 2700K 15 Degree	120	10	600	60.0	4480	15	2700K	82	MTO	12
LED10P30SD30KFL		10W Smooth PAR30 SN - 3000K 40 Degree	120	10	650	65.0	957	40	3000K	82	STK	12
LED10P30SD30KNFL		10W Smooth PAR30 SN - 3000K 25 Degree	120	10	650	65.0	2118	25	3000K	82	STK	12
LED10P30SD30KSP		10W Smooth PAR30 SN - 3000K 15 Degree	120	10	650	65.0	4480	15	3000K	82	MTO	12
LED10P30SD35KFL		10W Smooth PAR30 SN - 3500K 40 Degree	120	10	675	67.5	957	40	3500K	82	MTO	12
LED10P30SD35KNFL		10W Smooth PAR30 SN - 3500K 25 Degree	120	10	675	67.5	2118	25	3500K	82	MTO	12
LED10P30SD35KSP		10W Smooth PAR30 SN - 3500K 15 Degree	120	10	675	67.5	4480	15	3500K	82	MTO	12
LED10P30SD41KFL		10W Smooth PAR30 SN - 4100K 40 Degree	120	10	700	70.0	957	40	4100K	82	MTO	12
LED10P30SD41KNFL		10W Smooth PAR30 SN - 4100K 25 Degree	120	10	700	70.0	2118	25	4100K	82	MTO	12
LED10P30SD41KSP		10W Smooth PAR30 SN - 4100K 15 Degree	120	10	700	70.0	4480	15	4100K	82	MTO	12
LED10P30SD50KFL		10W Smooth PAR30 SN - 5000K 40 Degree	120	10	700	70.0	957	40	5000K	82	MTO	12
LED10P30SD50KNFL		10W Smooth PAR30 SN - 5000K 25 Degree	120	10	700	70.0	2118	25	5000K	82	MTO	12
LED10P30SD50KSP		10W Smooth PAR30 SN - 5000K 15 Degree	120	10	700	70.0	4480	15	5000K	82	MTO	12



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c UL us 5 YEAR WARRANTY

*Minimum CBCP est. Consult tcpi.com for most current photometry and LM79 data.

PERFORMANCE

20% Improved Efficacy

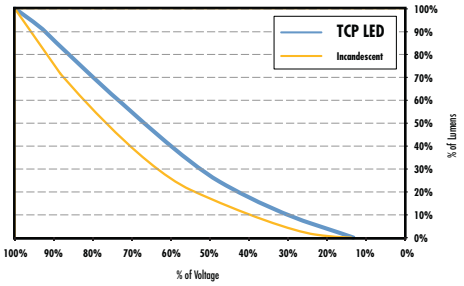
SAME LUMENS

PAR Series 2012	2013	Type	Lumens	Equivalency
19W	17W	PAR38	1200	120
17W	14W	PAR38, PAR30LN	1000	90
14W	12W	PAR30LN, PAR30SN	850	75
12W	10W	PAR30SN, PAR20	650	60
9W	8W	PAR20	500	50

LESS ENERGY

Exceptional Dimming

TCP LED lamps provide no-compromise dimming



VALUE



Fast ROI

Daily Usage	Simple Payback in Years		
	TCP 17W PAR38	TCP 14W PAR30	TCP 8W PAR20
ROI at 3 hours	3.0	3.0	2.5
ROI at 8 hours	1.3	1.3	1.2
ROI at 24 hours	0.5	0.5	0.5

Dimmable Designer Elite LED PAR Lamps

Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	*CBCP	Beam Angle	CCT	CRI	STK/MTO	Case Quantity
10W Elite Designer Dimmable PAR20 (Replaces 60W)												
LED10P20D24KFL		10W Smooth PAR20 - 2400K 40 Degree	120	10	600	60.0	1558	40	2400K	82	MTO	12
LED10P20D24KNFL		10W Smooth PAR20 - 2400K 25 Degree	120	10	600	60.0	3067	25	2400K	82	MTO	12
LED10P20D27KFL		10W Smooth PAR20 - 2700K 40 Degree	120	10	600	60.0	1558	40	2700K	82	STK	12
LED10P20D27KNFL		10W Smooth PAR20 - 2700K 25 Degree	120	10	600	60.0	3067	25	2700K	82	STK	12
LED10P20D30KFL		10W Smooth PAR20 - 3000K 40 Degree	120	10	650	65.0	1558	40	3000K	82	STK	12
LED10P20D30KNFL		10W Smooth PAR20 - 3000K 25 Degree	120	10	650	65.0	3067	25	3000K	82	STK	12
LED10P20D35KFL		10W Smooth PAR20 - 3500K 40 Degree	120	10	675	67.5	1558	40	3500K	82	MTO	12
LED10P20D35KNFL		10W Smooth PAR20 - 3500K 25 Degree	120	10	675	67.5	3067	25	3500K	82	MTO	12
LED10P20D41KFL		10W Smooth PAR20 - 4100K 40 Degree	120	10	700	70.0	1558	40	4100K	82	MTO	12
LED10P20D41KNFL		10W Smooth PAR20 - 4100K 25 Degree	120	10	700	70.0	3067	25	4100K	82	MTO	12
LED10P20D50KFL		10W Smooth PAR20 - 5000K 40 Degree	120	10	700	70.0	1558	40	5000K	82	MTO	12
LED10P20D50KNFL		10W Smooth PAR20 - 5000K 25 Degree	120	10	700	70.0	3067	25	5000K	82	MTO	12
8W Elite Designer Dimmable PAR20 (Replaces 50W)												
LED8P20D24KFL		8W Smooth PAR20 - 2400K 40 Degree	120	8	500	62.5	593	40	2400K	82	MTO	12
LED8P20D24KNFL		8W Smooth PAR20 - 2400K 25 Degree	120	8	500	62.5	1179	25	2400K	82	MTO	12
LED8P20D27KFL		8W Smooth PAR20 - 2700K 40 Degree	120	8	500	62.5	593	40	2700K	82	STK	12
LED8P20D27KNFL		8W Smooth PAR20 - 2700K 25 Degree	120	8	500	62.5	1179	25	2700K	82	STK	12
LED8P20D30KFL	★	8W Smooth PAR20 - 3000K 40 Degree	120	8	515	64.4	593	40	3000K	82	STK	12
LED8P20D30KNFL	★	8W Smooth PAR20 - 3000K 25 Degree	120	8	515	64.4	1179	25	3000K	82	STK	12
LED8P20D35KFL		8W Smooth PAR20 - 3500K 40 Degree	120	8	525	65.6	593	40	3500K	82	MTO	12
LED8P20D35KNFL		8W Smooth PAR20 - 3500K 25 Degree	120	8	525	65.6	1179	25	3500K	82	MTO	12
LED8P20D41KFL		8W Smooth PAR20 - 4100K 40 Degree	120	8	530	66.3	593	40	4100K	82	MTO	12
LED8P20D41KNFL		8W Smooth PAR20 - 4100K 25 Degree	120	8	530	66.3	1179	25	4100K	82	MTO	12
LED8P20D50KFL		8W Smooth PAR20 - 5000K 40 Degree	120	8	530	66.3	593	40	5000K	82	MTO	12
LED8P20D50KNFL		8W Smooth PAR20 - 5000K 25 Degree	120	8	530	66.3	1179	25	5000K	82	MTO	12
19W Dimmable PAR38 Wet Location (Replaces 120W)												
LED19E26P3827KFLWL		19W PAR38 - 2700K 40 Degree	120	19	1200	63.2	2231	40	2700K	82	STK	12
LED19E26P3830KFLWL		19W PAR38 - 3000K 40 Degree	120	19	1300	68.4	2364	40	3000K	82	STK	12
23W Non Dimmable PAR38 (Replaces 150W)												
LED23E26PAR3827KSPND		23W PAR38 - 2700K 15 Degree	120	23	1700	73.9	11517	15	2700K	82	MTO	12
LED23E26PAR3827KNFLND		23W PAR38 - 2700K 25 Degree	120	23	1700	73.9	1198	25	2700K	82	MTO	12
LED23E26PAR3827KFLND		23W PAR38 - 2700K 40 Degree	120	23	1700	73.9	2716	40	2700K	82	MTO	12
LED23E26PAR3830KSPND		23W PAR38 - 3000K 15 Degree	120	23	1700	73.9	12518	15	3000K	82	STK	12
LED23E26PAR3830KNFLND		23W PAR38 - 3000K 25 Degree	120	23	1700	73.9	7824	25	3000K	82	STK	12
LED23E26PAR3830KFLND		23W PAR38 - 3000K 40 Degree	120	23	1700	73.9	2952	40	3000K	82	STK	12
LED23E26PAR3841KSPND		23W PAR38 - 4100K 15 Degree	120	23	1700	73.9	13269	15	4100K	82	MTO	12
LED23E26PAR3841KNFLND		23W PAR38 - 4100K 25 Degree	120	23	1700	73.9	8293	25	4100K	82	MTO	12
LED23E26PAR3841KFLND		23W PAR38 - 4100K 40 Degree	120	23	1700	73.9	3130	40	4100K	82	MTO	12







★ ENERGY STAR® Rated (at time of print)

c UL us 5 YEAR WARRANTY

*Minimum CBCP est. Consult tcpi.com for most current photometry and LM79 data.

Non Dimmable

Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	*CBCP	Beam Angle	CCT	CRI	STK/MTO	Case Quantity
17W Elite Designer Non Dimmable PAR38 (Replaces 120W)												
LED17P3824KFL		17W Smooth PAR38 - 2400K 40 Degree	120	17	1200	70.6	2231	40	2400K	82	MTO	12
LED17P3824KNFL		17W Smooth PAR38 - 2400K 25 Degree	120	17	1200	70.6	5382	25	2400K	82	MTO	12
LED17P3824KSP		17W Smooth PAR38 - 2400K 15 Degree	120	17	1200	70.6	12059	15	2400K	82	MTO	12
LED17P3827KFL		17W Smooth PAR38 - 2700K 40 Degree	120	17	1200	70.6	2231	40	2700K	82	STK	12
LED17P3827KNFL	★	17W Smooth PAR38 - 2700K 25 Degree	120	17	1200	70.6	5382	25	2700K	82	STK	12
LED17P3827KSP		17W Smooth PAR38 - 2700K 15 Degree	120	17	1200	70.6	12059	15	2700K	82	MTO	12
LED17P3830KFL	★	17W Smooth PAR38 - 3000K 40 Degree	120	17	1250	73.5	2231	40	3000K	82	STK	12
LED17P3830KNFL	★	17W Smooth PAR38 - 3000K 25 Degree	120	17	1250	73.5	5382	25	3000K	82	STK	12
LED17P3830KSP		17W Smooth PAR38 - 3000K 15 Degree	120	17	1250	73.5	12059	15	3000K	82	MTO	12
LED17P3835KFL	★	17W Smooth PAR38 - 3500K 40 Degree	120	17	1275	75.0	2231	40	3500K	82	MTO	12
LED17P3835KNFL	★	17W Smooth PAR38 - 3500K 25 Degree	120	17	1275	75.0	5382	25	3500K	82	MTO	12
LED17P3835KSP		17W Smooth PAR38 - 3500K 15 Degree	120	17	1275	75.0	12059	15	3500K	82	MTO	12
LED17P3841KFL	★	17W Smooth PAR38 - 4100K 40 Degree	120	17	1300	76.5	2231	40	4100K	82	MTO	12
LED17P3841KNFL		17W Smooth PAR38 - 4100K 25 Degree	120	17	1300	76.5	5382	25	4100K	82	MTO	12
LED17P3841KSP	★	17W Smooth PAR38 - 4100K 15 Degree	120	17	1300	76.5	12059	15	4100K	82	MTO	12
LED17P3850KFL		17W Smooth PAR38 - 5000K 40 Degree	120	17	1300	76.5	2231	40	5000K	82	MTO	12
LED17P3850KNFL		17W Smooth PAR38 - 5000K 25 Degree	120	17	1300	76.5	5382	25	5000K	82	MTO	12
LED17P3850KSP		17W Smooth PAR38 - 5000K 15 Degree	120	17	1300	76.5	12059	15	5000K	82	MTO	12
14W Elite Designer Non Dimmable PAR38 (Replaces 90W)												
LED14P3824KFL		14W Smooth PAR38 - 2400K 40 Degree	120	14	1050	75.0	1533	40	2400K	82	MTO	12
LED14P3824KNFL		14W Smooth PAR38 - 2400K 25 Degree	120	14	1050	75.0	3697	25	2400K	82	MTO	12
LED14P3824KSP		14W Smooth PAR38 - 2400K 15 Degree	120	14	1050	75.0	8284	15	2400K	82	MTO	12
LED14P3827KFL		14W Smooth PAR38 - 2700K 40 Degree	120	14	1050	75.0	1533	40	2700K	82	STK	12
LED14P3827KNFL	★	14W Smooth PAR38 - 2700K 25 Degree	120	14	1050	75.0	3697	25	2700K	82	STK	12
LED14P3827KSP	★	14W Smooth PAR38 - 2700K 15 Degree	120	14	1050	75.0	8284	15	2700K	82	MTO	12
LED14P3830KFL	★	14W Smooth PAR38 - 3000K 40 Degree	120	14	1100	78.6	1533	40	3000K	82	STK	12
LED14P3830KNFL	★	14W Smooth PAR38 - 3000K 25 Degree	120	14	1100	78.6	3697	25	3000K	82	STK	12
LED14P3830KSP	★	14W Smooth PAR38 - 3000K 15 Degree	120	14	1100	78.6	8284	15	3000K	82	MTO	12
LED14P3835KFL	★	14W Smooth PAR38 - 3500K 40 Degree	120	14	1125	80.4	1533	40	3500K	82	MTO	12
LED14P3835KNFL	★	14W Smooth PAR38 - 3500K 25 Degree	120	14	1125	80.4	3697	25	3500K	82	MTO	12
LED14P3835KSP	★	14W Smooth PAR38 - 3500K 15 Degree	120	14	1125	80.4	8284	15	3500K	82	MTO	12
LED14P3841KFL	★	14W Smooth PAR38 - 4100K 40 Degree	120	14	1150	82.1	1533	40	4100K	82	MTO	12
LED14P3841KNFL		14W Smooth PAR38 - 4100K 25 Degree	120	14	1150	82.1	3697	25	4100K	82	MTO	12
LED14P3841KSP	★	14W Smooth PAR38 - 4100K 15 Degree	120	14	1150	82.1	8284	15	4100K	82	MTO	12
LED14P3850KFL		14W Smooth PAR38 - 5000K 40 Degree	120	14	1150	82.1	1533	40	5000K	82	MTO	12
LED14P3850KNFL		14W Smooth PAR38 - 4100K 25 Degree	120	14	1150	82.1	3697	25	5000K	82	MTO	12
LED14P3850KSP		14W Smooth PAR38 - 4100K 15 Degree	120	14	1150	82.1	8284	15	5000K	82	MTO	12

Non Dimmable Designer Elite LED PAR Lamps



★ ENERGY STAR® Rated (at time of print)

c UL us 5 YEAR WARRANTY

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Non Dimmable Designer Elite LED PAR Lamps

14W Elite Designer Non Dimmable PAR30 (Replaces 90W)



Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	*CBCP	Beam Angle	CCT	CRI	STK/MTO	Case Quantity
LED14P3024KFL		14W Smooth PAR30 - 2400K 40 Degree	120	14	1050	75.0	1758	40	2400K	82	MTO	12
LED14P3024KNFL		14W Smooth PAR30 - 2400K 25 Degree	120	14	1050	75.0	3891	25	2400K	82	MTO	12
LED14P3024KSP		14W Smooth PAR30 - 2400K 15 Degree	120	14	1050	75.0	8230	15	2400K	82	MTO	12
LED14P3027KFL	★	14W Smooth PAR30 - 2700K 40 Degree	120	14	1050	75.0	1758	40	2700K	82	STK	12
LED14P3027KNFL		14W Smooth PAR30 - 2700K 25 Degree	120	14	1050	75.0	3891	25	2700K	82	STK	12
LED14P3027KSP	★	14W Smooth PAR30 - 2700K 15 Degree	120	14	1050	75.0	8230	15	2700K	82	MTO	12
LED14P3030KFL	★	14W Smooth PAR30 - 3000K 40 Degree	120	14	1100	78.6	1758	40	3000K	82	STK	12
LED14P3030KNFL	★	14W Smooth PAR30 - 3000K 25 Degree	120	14	1100	78.6	3891	25	3000K	82	STK	12
LED14P3030KSP	★	14W Smooth PAR30 - 3000K 15 Degree	120	14	1100	78.6	8230	15	3000K	82	MTO	12
LED14P3035KFL	★	14W Smooth PAR30 - 3500K 40 Degree	120	14	1125	80.4	1758	40	3500K	82	MTO	12
LED14P3035KNFL	★	14W Smooth PAR30 - 3500K 25 Degree	120	14	1125	80.4	3891	25	3500K	82	MTO	12
LED14P3035KSP	★	14W Smooth PAR30 - 3500K 15 Degree	120	14	1125	80.4	8230	15	3500K	82	MTO	12
LED14P3041KFL		14W Smooth PAR30 - 4100K 40 Degree	120	14	1150	82.1	1758	40	4100K	82	MTO	12
LED14P3041KNFL	★	14W Smooth PAR30 - 4100K 25 Degree	120	14	1150	82.1	3891	25	4100K	82	MTO	12
LED14P3041KSP	★	14W Smooth PAR30 - 4100K 15 Degree	120	14	1150	82.1	8230	15	4100K	82	MTO	12
LED14P3050KFL		14W Smooth PAR30 - 5000K 40 Degree	120	14	1150	82.1	1758	40	5000K	82	MTO	12
LED14P3050KNFL		14W Smooth PAR30 - 5000K 25 Degree	120	14	1150	82.1	3891	25	5000K	82	MTO	12
LED14P3050KSP		14W Smooth PAR30 - 5000K 15 Degree	120	14	1150	82.1	8230	15	5000K	82	MTO	12

12W Elite Designer Non Dimmable PAR30 (Replaces 75W)



Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	*CBCP	Beam Angle	CCT	CRI	STK/MTO	Case Quantity
LED12P3024KFL		12W Smooth PAR30 - 2400K 40 Degree	120	12	800	66.7	1315	40	2400K	82	MTO	12
LED12P3024KNFL		12W Smooth PAR30 - 2400K 25 Degree	120	12	800	66.7	2910	25	2400K	82	MTO	12
LED12P3024KSP		12W Smooth PAR30 - 2400K 15 Degree	120	12	800	66.7	6155	15	2400K	82	MTO	12
LED12P3027KFL	★	12W Smooth PAR30 - 2700K 40 Degree	120	12	800	66.7	1315	40	2700K	82	STK	12
LED12P3027KNFL	★	12W Smooth PAR30 - 2700K 25 Degree	120	12	800	66.7	2910	25	2700K	82	STK	12
LED12P3027KSP		12W Smooth PAR30 - 2700K 15 Degree	120	12	800	66.7	6155	15	2700K	82	MTO	12
LED12P3030KFL	★	12W Smooth PAR30 - 3000K 40 Degree	120	12	825	68.8	1315	40	3000K	82	STK	12
LED12P3030KNFL	★	12W Smooth PAR30 - 3000K 25 Degree	120	12	825	68.8	2910	25	3000K	82	STK	12
LED12P3030KSP	★	12W Smooth PAR30 - 3000K 15 Degree	120	12	825	68.8	6155	15	3000K	82	MTO	12
LED12P3035KFL	★	12W Smooth PAR30 - 3500K 40 Degree	120	12	850	70.8	1315	40	3500K	82	MTO	12
LED12P3035KNFL	★	12W Smooth PAR30 - 3500K 25 Degree	120	12	850	70.8	2910	25	3500K	82	MTO	12
LED12P3035KSP	★	12W Smooth PAR30 - 3500K 15 Degree	120	12	850	70.8	6155	15	3500K	82	MTO	12
LED12P3041KFL	★	12W Smooth PAR30 - 4100K 40 Degree	120	12	875	72.9	1315	40	4100K	82	MTO	12
LED12P3041KNFL		12W Smooth PAR30 - 4100K 25 Degree	120	12	875	72.9	2910	25	4100K	82	MTO	12
LED12P3041KSP	★	12W Smooth PAR30 - 4100K 15 Degree	120	12	875	72.9	6155	15	4100K	82	MTO	12
LED12P3050KFL		12W Smooth PAR30 - 5000K 40 Degree	120	12	875	72.9	1315	40	5000K	82	MTO	12
LED12P3050KNFL		12W Smooth PAR30 - 5000K 25 Degree	120	12	875	72.9	2910	25	5000K	82	MTO	12
LED12P3050KSP		12W Smooth PAR30 - 5000K 15 Degree	120	12	875	72.9	6155	15	5000K	82	MTO	12

★ ENERGY STAR® Rated (at time of print)

c UL us 5 YEAR WARRANTY

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Non Dimmable Designer Elite LED PAR Lamps



Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	*CBCP	Beam Angle	CCT	CRI	STK/MTO	Case Quantity
12W Elite Designer Non Dimmable PAR30 Short Neck (Replaces 75W)												
LED12P30S24KFL		12W Smooth PAR30 SN - 2400K 40 Degree	120	12	800	66.7	1315	40	2400K	82	MTO	12
LED12P30S24KNFL		12W Smooth PAR30 SN - 2400K 25 Degree	120	12	800	66.7	2910	25	2400K	82	MTO	12
LED12P30S24KSP		12W Smooth PAR30 SN - 2400K 15 Degree	120	12	800	66.7	6155	15	2400K	82	MTO	12
LED12P30S27KFL		12W Smooth PAR30 SN - 2700K 40 Degree	120	12	800	66.7	1315	40	2700K	82	STK	12
LED12P30S27KNFL	★	12W Smooth PAR30 SN - 2700K 25 Degree	120	12	800	66.7	2910	25	2700K	82	STK	12
LED12P30S27KSP		12W Smooth PAR30 SN - 2700K 15 Degree	120	12	800	66.7	6155	15	2700K	82	MTO	12
LED12P30S30KFL		12W Smooth PAR30 SN - 3000K 40 Degree	120	12	825	68.8	1315	40	3000K	82	STK	12
LED12P30S30KNFL		12W Smooth PAR30 SN - 3000K 25 Degree	120	12	825	68.8	2910	25	3000K	82	STK	12
LED12P30S30KSP		12W Smooth PAR30 SN - 3000K 15 Degree	120	12	825	68.8	6155	15	3000K	82	MTO	12
LED12P30S35KFL		12W Smooth PAR30 SN - 3500K 40 Degree	120	12	850	70.8	1315	40	3500K	82	MTO	12
LED12P30S35KNFL		12W Smooth PAR30 SN - 3500K 25 Degree	120	12	850	70.8	2910	25	3500K	82	MTO	12
LED12P30S35KSP		12W Smooth PAR30 SN - 3500K 15 Degree	120	12	850	70.8	6155	15	3500K	82	MTO	12
LED12P30S41KFL		12W Smooth PAR30 SN - 4100K 40 Degree	120	12	875	72.9	1315	40	4100K	82	MTO	12
LED12P30S41KNFL		12W Smooth PAR30 SN - 4100K 25 Degree	120	12	875	72.9	2910	25	4100K	82	MTO	12
LED12P30S41KSP		12W Smooth PAR30 SN - 4100K 15 Degree	120	12	875	72.9	6155	15	4100K	82	MTO	12
LED12P30S50KFL		12W Smooth PAR30 SN - 5000K 40 Degree	120	12	875	72.9	1315	40	5000K	82	MTO	12
LED12P30S50KNFL		12W Smooth PAR30 SN - 5000K 25 Degree	120	12	875	72.9	2910	25	5000K	82	MTO	12
LED12P30S50KSP		12W Smooth PAR30 SN - 5000K 15 Degree	120	12	875	72.9	6155	15	5000K	82	MTO	12
10W Elite Designer Non Dimmable PAR30 Short Neck (Replaces 60W)												
LED10P30S24KFL		10W Smooth PAR30 SN - 2400K 40 Degree	120	10	600	60.0	957	40	2400K	82	MTO	12
LED10P30S24KNFL		10W Smooth PAR30 SN - 2400K 25 Degree	120	10	600	60.0	2118	25	2400K	82	MTO	12
LED10P30S24KSP		10W Smooth PAR30 SN - 2400K 15 Degree	120	10	600	60.0	4480	15	2400K	82	MTO	12
LED10P30S27KFL	★	10W Smooth PAR30 SN - 2700K 40 Degree	120	10	600	60.0	957	40	2700K	82	STK	12
LED10P30S27KNFL	★	10W Smooth PAR30 SN - 2700K 25 Degree	120	10	600	60.0	2118	25	2700K	82	STK	12
LED10P30S27KSP		10W Smooth PAR30 SN - 2700K 15 Degree	120	10	600	60.0	4480	15	2700K	82	MTO	12
LED10P30S30KFL		10W Smooth PAR30 SN - 3000K 40 Degree	120	10	650	65.0	957	40	3000K	82	STK	12
LED10P30S30KNFL		10W Smooth PAR30 SN - 3000K 25 Degree	120	10	650	65.0	2118	25	3000K	82	STK	12
LED10P30S30KSP		10W Smooth PAR30 SN - 3000K 15 Degree	120	10	650	65.0	4480	15	3000K	82	MTO	12
LED10P30S35KFL		10W Smooth PAR30 SN - 3500K 40 Degree	120	10	675	67.5	957	40	3500K	82	MTO	12
LED10P30S35KNFL		10W Smooth PAR30 SN - 3500K 25 Degree	120	10	675	67.5	2118	25	3500K	82	MTO	12
LED10P30S35KSP		10W Smooth PAR30 SN - 3500K 15 Degree	120	10	675	67.5	4480	15	3500K	82	MTO	12
LED10P30S41KFL		10W Smooth PAR30 SN - 4100K 40 Degree	120	10	700	70.0	957	40	4100K	82	MTO	12
LED10P30S41KNFL		10W Smooth PAR30 SN - 4100K 25 Degree	120	10	700	70.0	2118	25	4100K	82	MTO	12
LED10P30S41KSP		10W Smooth PAR30 SN - 4100K 15 Degree	120	10	700	70.0	4480	15	4100K	82	MTO	12
LED10P30S50KFL		10W Smooth PAR30 SN - 5000K 40 Degree	120	10	700	70.0	957	40	5000K	82	MTO	12
LED10P30S50KNFL		10W Smooth PAR30 SN - 5000K 25 Degree	120	10	700	70.0	2118	25	5000K	82	MTO	12
LED10P30S50KSP		10W Smooth PAR30 SN - 5000K 15 Degree	120	10	700	70.0	4480	15	5000K	82	MTO	12

★ ENERGY STAR® Rated (at time of print)

c UL us 5 YEAR WARRANTY

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Non Dimmable Designer Elite LED PAR Lamps



Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	*CBCP	Beam Angle	CCT	CRI	STK/MTO	Case Quantity
10W Elite Designer Non Dimmable PAR20 (Replaces 60W)												
LED10P2024KFL		10W Smooth PAR20 - 2400K 40 Degree	120	10	600	60.0	1558	40	2400K	82	MTO	12
LED10P2024KNFL		10W Smooth PAR20 - 2400K 25 Degree	120	10	600	60.0	3067	25	2400K	82	MTO	12
LED10P2027KFL		10W Smooth PAR20 - 2700K 40 Degree	120	10	600	60.0	1558	40	2700K	82	STK	12
LED10P2027KNFL	★	10W Smooth PAR20 - 2700K 25 Degree	120	10	600	60.0	3067	25	2700K	82	STK	12
LED10P2030KFL	★	10W Smooth PAR20 - 3000K 40 Degree	120	10	650	65.0	1558	40	3000K	82	STK	12
LED10P2030KNFL		10W Smooth PAR20 - 3000K 25 Degree	120	10	650	65.0	3067	25	3000K	82	STK	12
LED10P2035KFL		10W Smooth PAR20 - 3500K 40 Degree	120	10	675	67.5	1558	40	3500K	82	MTO	12
LED10P2035KNFL		10W Smooth PAR20 - 3500K 25 Degree	120	10	675	67.5	3067	25	3500K	82	MTO	12
LED10P2041KFL		10W Smooth PAR20 - 4100K 40 Degree	120	10	700	70.0	1558	40	4100K	82	MTO	12
LED10P2041KNFL		10W Smooth PAR20 - 4100K 25 Degree	120	10	700	70.0	3067	25	4100K	82	MTO	12
LED10P2050KFL		10W Smooth PAR20 - 5000K 40 Degree	120	10	700	70.0	1558	40	5000K	82	MTO	12
LED10P2050KNFL		10W Smooth PAR20 - 5000K 25 Degree	120	10	700	70.0	3067	25	5000K	82	MTO	12
8W Elite Designer Non Dimmable PAR20 (Replaces 50W)												
LED8P2024KFL		8W Smooth PAR20 - 2400K 40 Degree	120	8	500	62.5	593	40	2400K	82	MTO	12
LED8P2024KNFL		8W Smooth PAR20 - 2400K 25 Degree	120	8	500	62.5	1179	25	2400K	82	MTO	12
LED8P2027KFL		8W Smooth PAR20 - 2700K 40 Degree	120	8	500	62.5	593	40	2700K	82	STK	12
LED8P2027KNFL	★	8W Smooth PAR20 - 2700K 25 Degree	120	8	500	62.5	1179	25	2700K	82	STK	12
LED8P2030KFL	★	8W Smooth PAR20 - 3000K 40 Degree	120	8	515	64.4	593	40	3000K	82	STK	12
LED8P2030KNFL		8W Smooth PAR20 - 3000K 25 Degree	120	8	515	64.4	1179	25	3000K	82	STK	12
LED8P2035KFL		8W Smooth PAR20 - 3500K 40 Degree	120	8	525	65.6	593	40	3500K	82	MTO	12
LED8P2035KNFL		8W Smooth PAR20 - 3500K 25 Degree	120	8	525	65.6	1179	25	3500K	82	MTO	12
LED8P2041KFL		8W Smooth PAR20 - 4100K 40 Degree	120	8	530	66.3	593	40	4100K	82	MTO	12
LED8P2041KNFL		8W Smooth PAR20 - 4100K 25 Degree	120	8	530	66.3	1179	25	4100K	82	MTO	12
LED8P2050KFL		8W Smooth PAR20 - 5000K 40 Degree	120	8	530	66.3	593	40	5000K	82	MTO	12
LED8P2050KNFL		8W Smooth PAR20 - 5000K 25 Degree	120	8	530	66.3	1179	25	5000K	82	MTO	12

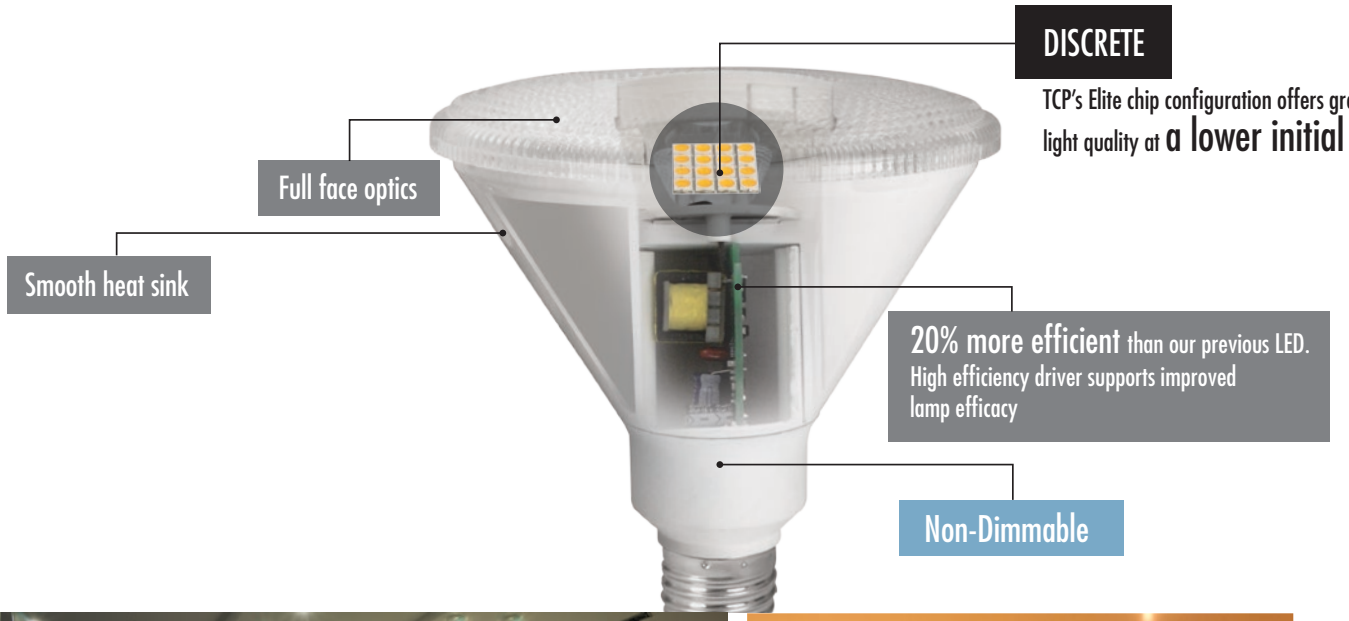
★ ENERGY STAR® Rated (at time of print)

c UL us 5 YEAR WARRANTY

*Minimum CBCP est. Consult tcpi.com for most current photometry and LM79 data.

ELITE™ SERIES by TCP

The Elite Series LED PARs are an energy-efficient, cost-saving option – great for most applications.







TCP LED	Incandescent Replacement	Average Lumens	Average LPW
14W PAR38	90W PAR38	1050	75
12W PAR30LN	75W PAR30	850	71
10W PAR30SN	60W PAR30	600	60
8W PAR20	50W PAR20	500	62

Non Dimmable Elite LED PAR Lamps

Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	*CBCP	Beam Angle	CCT	CRI	STK/MTO	Case Quantity
17W Elite Non Dimmable PAR38 (Replaces 120W)												
												
LED17P38V27KFL		17W Smooth PAR38 - 2700K 40 Degree	120	17	1200	70.6	2231	40	2700K	82	STK	12
LED17P38V30KFL		17W Smooth PAR38 - 3000K 40 Degree	120	17	1250	73.5	2231	40	3000K	82	STK	12
14W Elite Non Dimmable PAR38 (Replaces 90W)												
LED14P38V27KFL		14W Smooth PAR38 - 2700K 40 Degree	120	14	1050	75.0	1533	40	2700K	82	STK	12
LED14P38V30KFL		14W Smooth PAR38 - 3000K 40 Degree	120	14	1100	78.6	1533	40	3000K	82	STK	12
14W Elite Non Dimmable PAR30 (Replaces 90W)												
												
LED14P30V27KFL		14W Smooth PAR30 - 2700K 40 Degree	120	14	1050	75.0	1758	40	2700K	82	STK	12
LED14P30V30KFL		14W Smooth PAR30 - 3000K 40 Degree	120	14	1100	78.6	1758	40	3000K	82	STK	12
12W Elite Non Dimmable PAR30 (Replaces 75W)												
LED12P30V27KFL		12W Smooth PAR30 - 2700K 40 Degree	120	12	800	66.7	1315	40	2700K	82	STK	12
LED12P30V30KFL		12W Smooth PAR30 - 3000K 40 Degree	120	12	850	70.8	1315	40	3000K	82	STK	12
12W Elite Non Dimmable PAR30 Short Neck (Replaces 75W)												
												
LED12P30SV27KFL		12W Smooth PAR30 Short Neck - 2700K 40 Degree	120	12	800	66.7	1315	40	2700K	82	STK	12
LED12P30SV30KFL		12W Smooth PAR30 Short Neck - 3000K 40 Degree	120	12	850	70.8	1315	40	3000K	82	STK	12
10W Elite Non Dimmable PAR30 Short Neck (Replaces 60W)												
LED10P30SV27KFL		10W Smooth PAR30 Short Neck - 2700K 40 Degree	120	10	600	60.0	957	40	2700K	82	STK	12
LED10P30SV30KFL	★	10W Smooth PAR30 Short Neck - 3000K 40 Degree	120	10	650	65.0	957	40	3000K	82	STK	12
10W Elite Non Dimmable PAR20 (Replaces 60W)												
												
LED10P20V27KFL		10W Smooth PAR20 - 2700K 40 Degree	120	10	600	60.0	784	40	2700K	82	STK	12
LED10P20V30KFL		10W Smooth PAR20 - 3000K 40 Degree	120	10	650	65.0	784	40	3000K	82	STK	12
8W Elite Non Dimmable PAR20 (Replaces 50W)												
LED8P20V27KFL		8W Smooth PAR20 - 2700K 40 Degree	120	8	500	62.5	593	40	2700K	82	STK	12
LED8P20V30KFL		8W Smooth PAR20 - 3000K 40 Degree	120	8	515	64.4	593	40	3000K	82	STK	12

★ ENERGY STAR® Rated (at time of print)

c UL us 5 YEAR WARRANTY

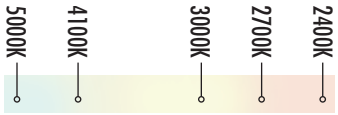
*Minimum CBCP est. Consult tcpi.com for most current photometry and LM79 data.

Elite BR Series

TCP Elite Series BR Lamps are great for illuminating large areas with smooth, attractive light.

ELITE SERIES by TCP™

Color temperature options

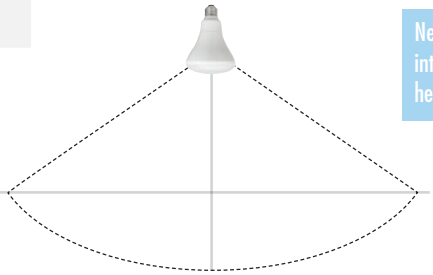


TCP LED	Incandescent Replacement
17W BR40	120W BR40
12W BR30/40	85W BR30 & BR40
10W BR30	65W BR30
8W R20	50W R20

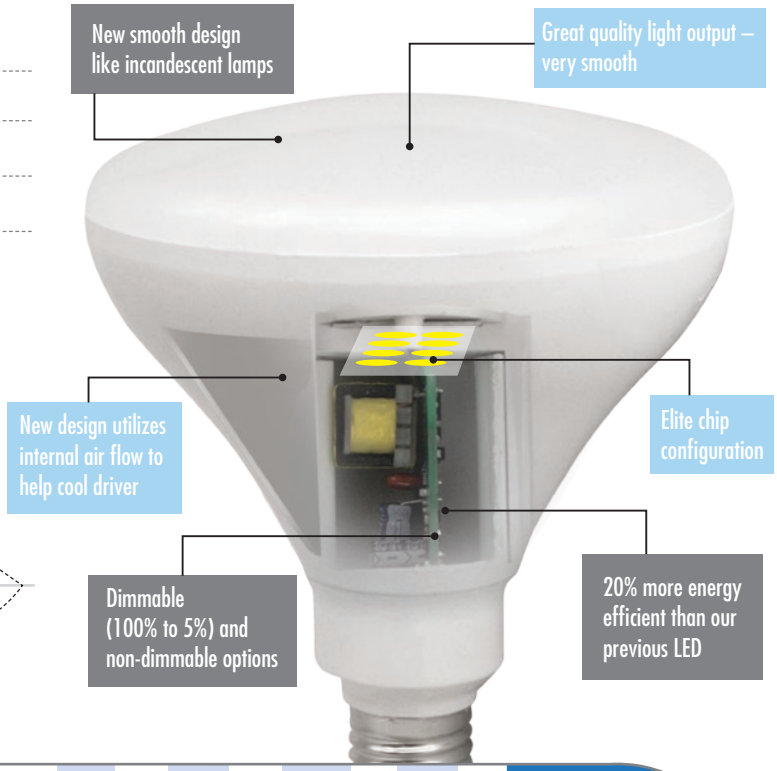
CRI 82

Perfect for most applications

Uniform flood light distribution







Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	Beam Angle	CCT	CRI	STK/MTO	Case Quantity
12W Elite Dimmable BR30 (Replaces 85W)											
LED12BR30D24K		12W Smooth BR30 - 2400K	120	12	850	70.8	110	2400K	82	STK	12
LED12BR30D27K	★	12W Smooth BR30 - 2700K	120	12	850	70.8	110	2700K	82	STK	12
LED12BR30D30K		12W Smooth BR30 - 3000K	120	12	875	72.9	110	3000K	82	STK	12
LED12BR30D41K		12W Smooth BR30 - 4100K	120	12	900	75.0	110	4100K	82	STK	12
LED12BR30D50K		12W Smooth BR30 - 5000K	120	12	900	75.0	110	5000K	82	STK	12
10W Elite Dimmable BR30 (Replaces 65W)											
LED10BR30D24K		10W Smooth BR30 - 2400K	120	10	650	65.0	110	2400K	82	STK	12
LED10BR30D27K	★	10W Smooth BR30 - 2700K	120	10	650	65.0	110	2700K	82	STK	12
LED10BR30D30K		10W Smooth BR30 - 3000K	120	10	675	67.5	110	3000K	82	STK	12
LED10BR30D41K		10W Smooth BR30 - 4100K	120	10	700	70.0	110	4100K	82	STK	12
LED10BR30D50K		10W Smooth BR30 - 5000K	120	10	700	70.0	110	5000K	82	STK	12

Dimmable Elite LED BR Lamps



★ ENERGY STAR® Rated (at time of print)

c UL us 5 YEAR WARRANTY

*Based on 12 Hours per day

Dimmable Elite LED BR Lamps

Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	Beam Angle	CCT	CRI	STK/MTO	Case Quantity
17W Elite Dimmable BR40 (Replaces 120W)											
LED17BR40D24K		17W Smooth BR40 - 2400K	120	17	1200	70.6	110	2400K	82	STK	12
LED17BR40D27K		17W Smooth BR40 - 2700K	120	17	1200	70.6	110	2700K	82	STK	12
LED17BR40D30K		17W Smooth BR40 - 3000K	120	17	1250	73.5	110	3000K	82	STK	12
LED17BR40D41K		17W Smooth BR40 - 4100K	120	17	1300	76.5	110	4100K	82	STK	12
LED17BR40D50K		17W Smooth BR40 - 5000K	120	17	1300	76.5	110	5000K	82	STK	12
12W Elite Dimmable BR40 (Replaces 85W)											
LED12BR40D24K		12W Smooth BR40 - 2400K	120	12	850	70.8	110	2400K	82	STK	12
LED12BR40D27K	★	12W Smooth BR40 - 2700K	120	12	850	70.8	110	2700K	82	STK	12
LED12BR40D30K		12W Smooth BR40 - 3000K	120	12	875	72.9	110	3000K	82	STK	12
LED12BR40D41K		12W Smooth BR40 - 4100K	120	12	900	75.0	110	4100K	82	STK	12
LED12BR40D50K		12W Smooth BR40 - 5000K	120	12	900	75.0	110	5000K	82	STK	12
10W Elite Dimmable R20 (Replaces 65W)											
LED10R20D24K		10W Smooth R20 - 2400K	120	10	650	65.0	110	2400K	82	STK	12
LED10R20D27K	★	10W Smooth R20 - 2700K	120	10	650	65.0	110	2700K	82	STK	12
LED10R20D30K		10W Smooth R20 - 3000K	120	10	675	67.5	110	3000K	82	STK	12
LED10R20D41K		10W Smooth R20 - 4100K	120	10	700	70.0	110	4100K	82	STK	12
LED10R20D50K		10W Smooth R20 - 5000K	120	10	700	70.0	110	5000K	82	STK	12
8W Elite Dimmable R20 (Replaces 50W)											
LED8R20D24K		8W Smooth R20 - 2400K	120	8	500	62.5	110	2400K	82	STK	12
LED8R20D27K	★	8W Smooth R20 - 2700K	120	8	500	62.5	110	2700K	82	STK	12
LED8R20D30K		8W Smooth R20 - 3000K	120	8	515	64.4	110	3000K	82	STK	12
LED8R20D41K		8W Smooth R20 - 4100K	120	8	530	66.3	110	4100K	82	STK	12
LED8R20D50K		8W Smooth R20 - 5000K	120	8	530	66.3	110	5000K	82	STK	12





★ ENERGY STAR® Rated (at time of print)

c UL us 5 YEAR WARRANTY *Based on 12 Hours per day

BR40, BR30 & R20

Features & Benefits



BR40 BR30 R20

- Energy efficient: up to 85% less energy than standard halogen replacement.
- Smooth, uniform dimming.
- Smooth, clean outside housing.
- Very low heat generation.
- Excellent Color Consistency and CRI.



Non Dimmable Elite LED BR Lamps

Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	Beam Angle	CCT	CRI	STK/MTO	Case Quantity
12W Elite Non Dimmable BR30 (Replaces 85W)											
LED12BR3027K	★	12W Smooth BR30 - 2700K	120	12	850	70.8	110	2700K	82	STK	12
LED12BR3030K		12W Smooth BR30 - 3000K	120	12	875	72.9	110	3000K	82	STK	12
LED12BR3041K		12W Smooth BR30 - 4100K	120	12	900	75.0	110	4100K	82	STK	12
10W Elite Non Dimmable BR30 (Replaces 65W)											
LED10BR3027K	★	10W Smooth BR30 - 2700K	120	10	650	65.0	110	2700K	82	STK	12
LED10BR3030K		10W Smooth BR30 - 3000K	120	10	675	67.5	110	3000K	82	STK	12
LED10BR3041K		10W Smooth BR30 - 4100K	120	10	700	70.0	110	4100K	82	STK	12
17W Elite Non Dimmable BR40 (Replaces 120W)											
LED17BR4027K	★	17W Smooth BR40 - 2700K	120	17	1200	70.6	110	2700K	82	STK	12
LED17BR4030K		17W Smooth BR40 - 3000K	120	17	1250	73.5	110	3000K	82	STK	12
LED17BR4041K		17W Smooth BR40 - 4100K	120	17	1300	76.5	110	4100K	82	STK	12
12W Elite Non Dimmable BR40 (Replaces 85W)											
LED12BR4027K		12W Smooth BR40 - 2700K	120	12	850	70.8	110	2700K	82	STK	12
LED12BR4030K		12W Smooth BR40 - 3000K	120	12	875	72.9	110	3000K	82	STK	12
LED12BR4041K		12W Smooth BR40 - 4100K	120	12	900	75.0	110	4100K	82	STK	12
10W Elite Non Dimmable R20 (Replaces 65W)											
LED10R2027K		10W Smooth R20 - 2700K	120	10	650	65.0	110	2700K	82	STK	12
LED10R2030K		10W Smooth R20 - 3000K	120	10	675	67.5	110	3000K	82	STK	12
LED10R2041K		10W Smooth R20 - 4100K	120	10	700	70.0	110	4100K	82	STK	12
8W Elite Non Dimmable R20 (Replaces 50W)											
LED8R2027K	★	8W Smooth R20 - 2700K	120	8	500	62.5	110	2700K	82	STK	12
LED8R2030K	★	8W Smooth R20 - 3000K	120	8	515	64.4	110	3000K	82	STK	12
LED8R2041K		8W Smooth R20 - 4100K	120	8	530	66.3	110	4100K	82	STK	12







★ ENERGY STAR® Rated (at time of print)

c UL us 5 YEAR WARRANTY

*Based on 12 Hours per day

Elite General Purpose

TCP's all-purpose and omni-directional options provide exceptional light distribution.

TCP LED	Incandescent Replacement	Average Lumens	Average LPW
7W General Purpose	40W A-Lamp	450	64
10W General Purpose	60W A-Lamp	800	73

Color Temperatures

5000K 4100K 3000K 2700K 2400K

High CRI Available



General Purpose A-Lamps (230°)

Elite General Purpose A-Lamps	Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Incandescent Equivalent	Lumens	Lumens Per Watt	Beam Angle	CCT	CRI	STK/MTO	Case Quantity
10W Dimmable A19s - 230 Degree (Replaces 60W)													
	LED10A19D24K		Dimmable 10W Smooth A19 - 2400K	120	10	60	800	80.0	230	2400K	82	STK	12
	LED10A19D27K	★	Dimmable 10W Smooth A19 - 2700K	120	10	60	800	80.0	230	2700K	82	STK	12
	LED10A19D30K		Dimmable 10W Smooth A19 - 3000K	120	10	60	825	82.5	230	3000K	82	STK	12
	LED10A19D41K		Dimmable 10W Smooth A19 - 4100K	120	10	60	850	85.0	230	4100K	82	STK	12
	LED10A19D50K		Dimmable 10W Smooth A19 - 5000K	120	10	60	850	85.0	230	5000K	82	STK	12
7W Dimmable A19s - 230 Degree (Replaces 40W)													
	LED7A19D24K		Dimmable 7W Smooth A19 - 2400K	120	7	40	450	64.3	230	2400K	82	STK	12
	LED7A19D27K	★	Dimmable 7W Smooth A19 - 2700K	120	7	40	450	64.3	230	2700K	82	STK	12
	LED7A19D30K		Dimmable 7W Smooth A19 - 3000K	120	7	40	475	67.9	230	3000K	82	STK	12
	LED7A19D41K		Dimmable 7W Smooth A19 - 4100K	120	7	40	500	71.4	230	4100K	82	STK	12
	LED7A19D50K		Dimmable 7W Smooth A19 - 5000K	120	7	40	500	71.4	230	5000K	82	STK	12
10W Non Dimmable A19s - 230 Degree (Replaces 60W)													
	LED10A1927K	★	Non-Dimmable 10W Smooth A19 - 2700K	120	10	60	800	80.0	230	2700K	82	STK	12
	LED10A1930K		Non-Dimmable 10W Smooth A19 - 3000K	120	10	60	825	82.5	230	3000K	82	STK	12
	LED10A1941K		Non-Dimmable 10W Smooth A19 - 4100K	120	10	60	850	85.0	230	4100K	82	STK	12
7W Non Dimmable A19s - 230 Degree (Replaces 40W)													
	LED7A1927K		Non-Dimmable 7W Smooth A19 - 2700K	120	7	40	450	64.3	230	2700K	82	STK	12
	LED7A1930K		Non-Dimmable 7W Smooth A19 - 3000K	120	7	40	475	67.9	230	3000K	82	STK	12
	LED7A1941K		Non-Dimmable 7W Smooth A19 - 4100K	120	7	40	500	71.4	230	4100K	82	STK	12

★ ENERGY STAR® Rated (at time of print)

c UL us

5 YEAR WARRANTY

*Based on 12 Hours per day

Elite Omni-Directional

TCP LED	Incandescent Replacement	Average Lumens	Average LPW
7W Omni	40W A-Lamp	450	64
10W Omni	60W A-Lamp	800	80

Color Temperatures

5000K 4100K 3000K 2700K 2400K

High CRI Available



Omni-Directional A-Lamps
Full Light Output (270°)

Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Incandescent Equivalent	Lumens	Lumens Per Watt	Beam Angle	CCT	CRI	STK/MTO	Case Quantity	Elite Omni-Directional A-Lamps
10W Dimmable A19s - OmniDirectional (Replaces 60W)													
LED10A19D0D24K	★	Dimmable 10W Omni-Directional A19 - 2400K	120	10	60	800	80.0	270	2400K	82	STK	12	
LED10A19D0D27K		Dimmable 10W Omni-Directional A19 - 2700K	120	10	60	800	80.0	270	2700K	82	STK	12	
LED10A19D0D30K		Dimmable 10W Omni-Directional A19 - 3000K	120	10	60	825	82.5	270	3000K	82	STK	12	
LED10A19D0D41K		Dimmable 10W Omni-Directional A19 - 4100K	120	10	60	850	85.0	270	4100K	82	STK	12	
LED10A19D0D50K		Dimmable 10W Omni-Directional A19 - 5000K	120	10	60	850	85.0	270	5000K	82	STK	12	
7W Dimmable A19s - OmniDirectional (Replaces 40W)													
LED7A19D0D24K		Dimmable 7W Omni-Directional A19 - 2400K	120	7	40	450	64.3	270	2400K	82	STK	12	
LED7A19D0D27K	★	Dimmable 7W Omni-Directional A19 - 2700K	120	7	40	450	64.3	270	2700K	82	STK	12	
LED7A19D0D30K		Dimmable 7W Omni-Directional A19 - 3000K	120	7	40	475	67.9	270	3000K	82	STK	12	
LED7A19D0D41K		Dimmable 7W Omni-Directional A19 - 4100K	120	7	40	500	71.4	270	4100K	82	STK	12	
LED7A19D0D50K		Dimmable 7W Omni-Directional A19 - 5000K	120	7	40	500	71.4	270	5000K	82	STK	12	
10W Non Dimmable A19s - OmniDirectional (Replaces 60W)													
LED10A19OD27K	★	Non-Dimmable 10W Omni-Directional A19 - 2700K	120	10	60	800	80.0	270	2700K	82	STK	12	
LED10A19OD30K		Non-Dimmable 10W Omni-Directional A19 - 3000K	120	10	60	825	82.5	270	3000K	82	STK	12	
7W Non Dimmable A19s - OmniDirectional (Replaces 40W)													
LED7A19OD27K		Non-Dimmable 7W Omni-Directional A19 - 2700K	120	7	40	450	64.3	270	2700K	82	STK	12	
LED7A19OD30K		Non-Dimmable 7W Omni-Directional A19 - 3000K	120	7	40	475	67.9	270	3000K	82	STK	12	





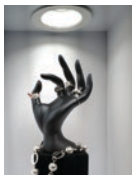
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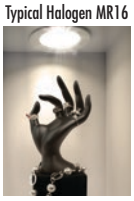
*Based on 12 Hours per day

MR16

TCP LED MR16



Typical Halogen MR16



TCP's MR16 lamps make jewelry shimmer and sparkle for an eye-catching display.

TCP MR16 lamps, spotlight items in a powerful way while saving energy and lowering maintenance costs.

TCP LED	Incandescent Replacement	Average Lumens	Average LPW
7W MR16	50W MR16	500	71
7W PAR16	50W PAR16	500	71
7W GU10	50W GU10	500	71
5W MR16	35W MR16	350	60
7W PAR16	35W PAR16	350	60
7W GU10	35W GU10	350	60

Color Temperatures

4100K 3000K 2700K 2400K

Optics

20° Narrow Flood

40° Wide Flood



GU10



MR16



PAR16

High CRI Available

Fully Dimmable

Dimmable LED MR16

Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	*CBCP	Beam Angle	CCT	CRI	STK/MTO	Case Quantity
7W Dimmable GU10 (50W equivalent)												
LED7MR16GU1024KFL		7W GU10 MR16 - 2400K, 40 degree	120	7	500	71.4	TBD	40	2400K	82	STK	12
LED7MR16GU1024KNFL		7W GU10 MR16 - 2400K, 20 degree	120	7	500	71.4	TBD	20	2400K	82	STK	12
LED7MR16GU1027KNFL		7W GU10 MR16 - 2700K, 20 degree	120	7	500	71.4	3296	20	2700K	82	STK	12
LED7MR16GU1027KFL		7W GU10 MR16 - 2700K, 40 degree	120	7	500	71.4	1057	40	2700K	82	STK	12
LED7MR16GU1030KNFL		7W GU10 MR16 - 3000K, 20 degree	120	7	525	75.0	3296	20	3000K	82	STK	12
LED7MR16GU1030KFL		7W GU10 MR16 - 3000K, 40 degree	120	7	525	75.0	1057	40	3000K	82	STK	12
LED7MR16GU1041KNFL		7W GU10 MR16 - 4100K, 20 degree	120	7	550	78.6	3296	20	4100K	82	STK	12
LED7MR16GU1041KFL		7W GU10 MR16 - 4100K, 40 degree	120	7	550	78.6	1057	40	4100K	82	STK	12
7W Dimmable GU10 (35W equivalent)												
LED7GU10MR1627KNFL		7W GU10 MR16 - 2700K, 20 degree	120	7	350	50.0	2272	20	2700K	82	STK	12
LED7GU10MR1627KFL		7W GU10 MR16 - 2700K, 40 degree	120	7	350	50.0	728	40	2700K	82	STK	12
LED7GU10MR1630KNFL		7W GU10 MR16 - 3000K, 20 degree	120	7	375	53.6	2272	20	3000K	82	STK	12
LED7GU10MR1630KFL		7W GU10 MR16 - 3000K, 40 degree	120	7	375	53.6	728	40	3000K	82	STK	12
LED7GU10MR1641KNFL		7W GU10 MR16 - 4100K, 20 degree	120	7	400	57.1	2272	20	4100K	82	STK	12
LED7GU10MR1641KFL		7W GU10 MR16 - 4100K, 40 degree	120	7	400	57.1	728	40	4100K	82	STK	12
7W Dimmable 12V MR16s (50W equivalent)												
LED712VMR1624KNFL		7W 12V MR16 - 2400K, 20 degree	12	7	500	71.4	TBD	20	2400K	82	STK	12
LED712VMR1624KFL		7W 12V MR16 - 2400K, 40 degree	12	7	500	71.4	TBD	40	2400K	82	STK	12
LED712VMR1627KNFL		7W 12V MR16 - 2700K, 20 degree	12	7	500	71.4	3296	20	2700K	82	STK	12
LED712VMR1627KFL		7W 12V MR16 - 2700K, 40 degree	12	7	500	71.4	1057	40	2700K	82	STK	12
LED712VMR1630KNFL		7W 12V MR16 - 3000K, 20 degree	12	7	525	75.0	3296	20	3000K	82	STK	12
LED712VMR1630KFL		7W 12V MR16 - 3000K, 40 degree	12	7	525	75.0	1057	40	3000K	82	STK	12
LED712VMR1641KNFL		7W 12V MR16 - 4100K, 20 degree	12	7	550	78.6	3296	20	4100K	82	STK	12
LED712VMR1641KFL		7W 12V MR16 - 4100K, 40 degree	12	7	550	78.6	1057	40	4100K	82	STK	12
5W Dimmable 12V MR16s (35W equivalent)												
LED512VMR1627KNFL		5W 12V MR16 - 2700K, 20 degree	12	5	350	70.0	2272	20	2700K	82	STK	12
LED512VMR1627KFL		5W 12V MR16 - 2700K, 40 degree	12	5	350	70.0	728	40	2700K	82	STK	12
LED512VMR1630KNFL		5W 12V MR16 - 3000K, 20 degree	12	5	375	75.0	2272	20	3000K	82	STK	12
LED512VMR1630KFL		5W 12V MR16 - 3000K, 40 degree	12	5	375	75.0	728	40	3000K	82	STK	12
LED512VMR1641KNFL		5W 12V MR16 - 4100K, 20 degree	12	5	400	80.0	2272	20	4100K	82	STK	12
LED512VMR1641KFL		5W 12V MR16 - 4100K, 40 degree	12	5	400	80.0	728	40	4100K	82	STK	12
7W Dimmable PAR16s (50W equivalent)												
LED7P1624KNFL		7W PAR16 - 2400K, 20 degree	120	7	500	71.4	TBD	20	2400K	82	STK	12
LED7P1624KFL		7W PAR16 - 2400K, 40 degree	120	7	500	71.4	TBD	40	2400K	82	STK	12
LED7P1627KNFL		7W PAR16 - 2700K, 20 degree	120	7	500	71.4	3296	20	2700K	82	STK	12
LED7P1627KFL		7W PAR16 - 2700K, 40 degree	120	7	500	71.4	1057	40	2700K	82	STK	12
LED7P1630KNFL		7W PAR16 - 3000K, 20 degree	120	7	525	75.0	3296	20	3000K	82	STK	12
LED7P1630KFL	★	7W PAR16 - 3000K, 40 degree	120	7	525	75.0	1057	40	3000K	82	STK	12
LED7P1641KNFL		7W PAR16 - 4100K, 20 degree	120	7	550	78.6	3296	20	4100K	82	STK	12
LED7P1641KFL		7W PAR16 - 4100K, 40 degree	120	7	550	78.6	1057	40	4100K	82	STK	12
7W Dimmable PAR16s (35W equivalent)												
LED7E26PAR1627KNFL		7W PAR16 - 2700K, 20 degree	120	5	350	50.0	2272	20	2700K	82	STK	12
LED7E26PAR1627KFL		7W PAR16 - 2700K, 40 degree	120	5	350	50.0	728	40	2700K	82	STK	12
LED7E26PAR1630KNFL		7W PAR16 - 3000K, 20 degree	120	5	375	53.6	2272	20	3000K	82	STK	12
LED7E26PAR1630KFL		7W PAR16 - 3000K, 40 degree	120	5	375	53.6	728	40	3000K	82	STK	12
LED7E26PAR1641KNFL		7W PAR16 - 4100K, 20 degree	120	5	400	57.1	2272	20	4100K	82	STK	12
LED7E26PAR1641KFL		7W PAR16 - 4100K, 40 degree	120	5	400	57.1	728	40	4100K	82	STK	12

★ ENERGY STAR® Rated (at time of print)

c UL us

5 YEAR WARRANTY

*Based on 12 Hours per day

*Minimum CBCP est. Consult tcpi.com for most current photometry and LM79 data.

Elite Decorative

These decorative lamps provide the look and feel of incandescent, but they last much longer.



Outdoor Damp Location

TCP LED Decos are great for outdoor applications. They help guests feel secure.

Color Temperatures

3000K 2700K 2400K

High CRI Available

Fully Dimmable

TCP LED	Incandescent Replacement	Average Lumens	Average LPW
4W Torpedo	25W Torpedo	200	50
4W G16 Globe	25W G16 Globe	200	50
5W G25 Globe	40W G25 Globe	300	60
5W Torpedo	40W Torpedo	300	60
5W G16 Globe	40W G16 Globe	300	60
8W G25 Globe	60W G25 Globe	500	63



Filament ALamp E26 Base Clear



Filament G25 E26 Base Clear



Filament Torpedo E26 Base Clear



G25 Globe E26 Base Opaque



S14 Globe E26 Base Clear



G16 Globe E26 Base Opaque



G16 Globe E26 Base Clear



G16 Globe E12 Base Opaque



G16 Globe E12 Base Clear



Flame Tip E12 Base Clear



Flame Tip E12 Base Opaque



Flame Tip E26 Base Clear



Flame Tip E26 Base Opaque



Torpedo E26 Base Opaque



Torpedo E26 Base Clear



Torpedo E12 Base Opaque



Torpedo E12 Base Clear

Dimmable LED G25

Non Dimmable Filament Look Lamps

Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Incandescent Comparison (Watts)	Lumens	LPW	CCT	CRI	STK/MTO	Case Quantity
Dimmable 5W & 8W G25 230 Degrees, Frosted											
LED5G25D27KF		Dimmable 5W Smooth G25 - 2700K, Frosted	120	5	40W	300	60.0	2700K	82	STK	12
LED5G25D30KF		Dimmable 5W Smooth G25 - 3000K, Frosted	120	5	40W	325	65.0	3000K	82	STK	12
LED8G25D27KF		Dimmable 8W Smooth G25 - 2700K, Frosted	120	8	60W	500	62.5	2700K	82	STK	12
LED8G25D30KF		Dimmable 8W Smooth G25 - 3000K, Frosted	120	8	60W	525	65.6	3000K	82	STK	12
Non Dimmable Filament Look Lamps, 6W											
LED6A19FIL27K		Non-Dimmable 6W Filament Look A19	120	6	40W	500	78.1	2700K	>80	STK	12
LED6G25FIL27K		Non-Dimmable 6W Filament Look G25	120	6	60W	500	78.1	2700K	>80	STK	12
LED6B13FIL27K		Non-Dimmable 6W Filament Look B13	120	6	60W	500	78.1	2700K	>80	STK	12







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c UL us

5 YEAR WARRANTY

*Based on 12 Hours per day

Dimmable LED Deco Lamps


LED5E26S1430K


LED5E12B1127K
LED4E12B1127K


LED5E26B1127K
LED4E26B1127K


LED5E12B1127KF
LED4E12B1127KF


LED5E26B1127KF
LED4E26B1127KF


LED5E12G1627K
LED4E12G1627K


LED5E26G1627K
LED4E26G1627K


LED5E12G1627KF
LED4E12G1627KF


LED5E26G1627KF
LED4E26G1627KF


LED5E12F1127K
LED4E12F1127K


LED5E26F1127K
LED4E26F1127K


LED5E12F1127KF
LED4E12F1127KF


LED5E26F1127KF
LED4E26F1127KF

Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Incandescent Comparison (Watts)	Lumens	LPW	CCT	CRI	STK/MTO	Case Quantity
LED Dimmable Deco Lamps, 5W											
LED5E26S1427K		LED 5W WET LOCATION S14 - 2700K	120	5	40W	300	60.0	2700K	82	STK	12
LED5E26S1430K		LED 5W WET LOCATION S14 - 3000K	120	5	40W	300	60.0	3000K	82	STK	12
LED5E26S1441K		LED 5W WET LOCATION S14 - 4100K	120	5	40W	300	60.0	4100K	82	STK	12
LED5E26S1427KF		LED 5W WET LOCATION S14 - 2700K Frosted	120	5	40W	300	60.0	2700K	82	STK	12
LED5E26S1430KF		LED 5W WET LOCATION S14 - 3000K Frosted	120	5	40W	300	60.0	3000K	82	STK	12
LED5E26S1441KF		LED 5W WET LOCATION S14 - 4100K Frosted	120	5	40W	300	60.0	4100K	82	STK	12
LED5E26S14RD		LED 5W WET LOCATION S14 - RED	120	5	40W	300	60.0	–	82	STK	12
LED5E26S14GR		LED 5W WET LOCATION S14 - GREEN	120	5	40W	300	60.0	–	82	STK	12
LED5E12B1127K	★	LED 5W DIM CANDELABRA BLUNT 2700K	120	5	40W	300	60.0	2700K	82	STK	12
LED5E26B1127K	★	LED 5W DIM BLUNT TIP - 2700K	120	5	40W	300	60.0	2700K	82	STK	12
LED5E12B1127KF		LED 5W DIM CANDELABRA FROST BLUNT - 2700K	120	5	40W	300	60.0	2700K	82	STK	12
LED5E26B1127KF		LED 5W DIM FROST BLUNT TIP - 2700K	120	5	40W	300	60.0	2700K	82	STK	12
LED5E12G1627K		LED 5W DIM CANDELABRA G16 GLOBE - 2700K	120	5	40W	300	60.0	2700K	82	STK	12
LED5E26G1627K		LED 5W DIM G16 GLOBE - 2700K	120	5	40W	300	60.0	2700K	82	STK	12
LED5E12G1627KF		LED 5W DIM CANDELABRA FROST G16 GLOBE - 2700K	120	5	40W	300	60.0	2700K	82	STK	12
LED5E26G1627KF		LED 5W DIM FROST G16 GLOBE - 2700K	120	5	40W	300	60.0	2700K	82	STK	12
LED5E12F1127K		LED 5W DIM CANDELABRA F11 Flame Tip - 2700K	120	5	40W	300	60.0	2700K	82	STK	12
LED5E26F1127K		LED 5W DIM F11 Flame Tip - 2700K	120	5	40W	300	60.0	2700K	82	STK	12
LED5E12F1127KF		LED 5W DIM CANDELABRA FROST F11 Flame - 2700K	120	5	40W	300	60.0	2700K	82	STK	12
LED5E26F1127KF		LED 5W DIM FROSTED F11 Flame Tip - 2700K	120	5	40W	300	60.0	2700K	82	STK	12
LED Dimmable Deco Lamps, 4W											
LED4E12B1127K		LED 4W DIM CANDELABRA BLUNT TIP - 2700K	120	4	25W	200	50.0	2700K	82	STK	12
LED4E26B1127K		LED 4W DIM BLUNT TIP - 2700K	120	4	25W	200	50.0	2700K	82	STK	12
LED4E12B1127KF	★	LED 4W DIM CANDELABRA FROST BLUNT - 2700K	120	4	25W	200	50.0	2700K	82	STK	12
LED4E26B1127KF	★	LED 4W DIM FROST BLUNT TIP - 2700K	120	4	25W	200	50.0	2700K	82	STK	12
LED4E12G1627K	★	LED 4W DIM CANDELABRA G16 GLOBE - 2700K	120	4	25W	200	50.0	2700K	82	STK	12
LED4E26G1627K	★	LED 4W DIM G16 GLOBE - 2700K	120	4	25W	200	50.0	2700K	82	STK	12
LED4E12G1627KF	★	LED 4W DIM CANDELABRA FROST G16 GLOBE - 2700K	120	4	25W	200	50.0	2700K	82	STK	12
LED4E26G1627KF	★	LED 4W DIM FROST G16 GLOBE - 2700K	120	4	25W	200	50.0	2700K	82	STK	12
LED4E12F1127K		LED 4W DIM CANDELABRA F11 Flame - 2700K	120	4	25W	200	50.0	2700K	82	STK	12
LED4E26F1127K		LED 4W DIM F11 Flame Tip - 2700K	120	4	25W	200	50.0	2700K	82	STK	12
LED4E12F1127KF		LED 4W DIM CANDELABRA FROST F11 Flame - 2700K	120	4	25W	200	50.0	2700K	82	STK	12
LED4E26F1127KF		LED 4W DIM FROST F11 Flame Tip - 2700K	120	4	25W	200	50.0	2700K	82	STK	12

★ ENERGY STAR® Rated (at time of print)

c UL us 5 YEAR WARRANTY

*Based on 12 Hours per day

Recessed Downlights

Retrofitting to LED downlights has never been easier thanks to the all-in-one DR56 retrofit kit from TCP.

The DR56 and DR4 are the perfect choice for new construction and retrofit opportunities when a sleek, integrated look is preferred.

Benefits:

- Exceeds all industry standards.
- ENERGY STAR rated.
- ENERGY-EFFICIENT
  Highly efficient LEDs and Driver.
  Long Life: 35,000 hours.
  Up to 83% more efficient than incandescent.
  Less than six month ROI.
- FULLY DIMMABLE
- EXCELLENT COLOR
  Consistent color within 3 MacAdam ellipse tolerance.
- UL approved for damp locations.
- Easy installation and integrated trim.



5/6" Recessed Downlights



4" Recessed Downlights

TCP LED	Incandescent Replacement	Average Lumens	Average LPW
14W 5/6" Retro Can	85W 5-6" Recessed	850	61
12W 5/6" Retro Can	65W 5-6" Recessed	650	54
10W 4" Retro Can	50W 4" Recessed	500	50

Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Lamp Replacement	Lumens	Lumens Per Watt	CCT	CRI	Case Quantity	Recessed Downlights
6" Recessed Downlights (14W Replaces 85W, 12W Replaces 65W)											
LED14DR5630K	★	LED 14W 5"/6" Recessed Downlight - 3000K	120	14	85	820	58.6	3000K	82	6	
LED14DR5627K	★	LED 14W 5"/6" Recessed Downlight - 2700K	120	14	85	800	57.1	2700K	82	6	
LED12DR5630K	★	LED 12W 5"/6" Recessed Downlight - 3000K	120	12	65	670	55.8	3000K	82	6	
LED12DR5627K	★	LED 12W 5"/6" Recessed Downlight - 2700K	120	12	65	650	54.2	2700K	82	6	
4" Recessed Downlights (10W Replaces 50W)											
LED10DR430K	★	LED 10W 4" Recessed Downlight - 3000K	120	10	50	650	65.0	3000K	82	6	
LED10DR427K	★	LED 10W 4" Recessed Downlight - 2700K	120	10	50	600	60.0	2700K	82	6	

★ ENERGY STAR® Rated (at time of print)

c UL us

5 YEAR WARRANTY

*Based on 12 Hours per day

TCP

CFL



Compact Fluorescent Lamps

CFLs

TCP is a world leader in the innovation and manufacturing of CFLs.

We continue to develop CFL technology to insure our customers have the best selection of quality, performance and function in the CFL category.

Applications:

Use CFLs anywhere – applications are endless!

FEATURES / BENEFITS

- Integrated circuit technology for high performance and function.
- Large selection of form structures and wattages to fit all your applications.
- Effective sizes to fit in as many sockets as possible.
- Long life from 6,000 to 20,000 hours.
- Excellent lumen maintenance over the life of the product.
- Vertical integration controls the whole process from manufacture to your socket.

PRO SERIES



T2 Full Springs



489 Series Full Springs



InstaBright™ G2 with ArmorCoat

TruStart™ Technology by TCP

TruDim® Technology by TCP

TCP's **Tru Family** features Integrated Circuit Technology for high performance, function and long life.



Decorative



A-Lamps



Globes



Flat Pars



Circlines



Floods

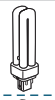
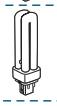
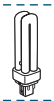


GU Base



Specialty lighting application options

Please call or check inventory to confirm availability.

OPTION	ORDER SUFFIX	AVAILABLE FOR:								
3000K White	30K	 SpringLamp® Series 489, 401, 501 28968(H)(277), GU		PL Lamps				Floodlight 4R, PF, GU		Decorative 4G, 413, GU
3100K	31K	 SpringLamp® Series 289, 182		PL Lamps		T6 Circline		Floodlight 1R, 2R, 1P, 2P		Decorative 1G, 2G, 1T, 113, 213, 107
3500K Bright White	35K	 SpringLamp® Series 489, 4T2, 401, 501 28968(H)(277), 289, 280, 182, GU		PL Lamps		T6 Circline		Floodlight 4R, PF, 1R, 2R, 1P, 2P, GU		Decorative 4G, 413, 1G, 2G, 1T, 113, 213, 107, GU
4100K Cool White	41K	 SpringLamp® Series 489, 4T2, 401, 501 28968(H)(277), 289, 182, GU		PL Lamps		T6 Circline		Floodlight 4R, PF, 1R, 2R, 1P, 2P, GU		Decorative 4G, 413, 1G, 2G, 1T, 113, 213, 107, GU
5000K Daylight	50K	 SpringLamp® Series 489, 4T2, 401, 501 28968(H)(277), GU		PL Lamps				Floodlight 4R, PF, GU		Decorative 4G, 413, GU
5100K	51K	 SpringLamp® Series 289, 182				T6 Circline		Floodlight 1R, 2R, 1P, 2P		Decorative 1G, 2G, 1T, 113, 213, 107
6500K	65K	 SpringLamp® Series 489, 401, 289, 182, 501		PL Lamps		T6 Circline		Floodlight 1R, 2R, PF, 1P, 2P, GU, 4R, PF		Decorative 1G, 2G, 1T, 113, 213, 107, GU, 4G, 413
Full Spectrum	FS	 SpringLamp® Series 48913, 48923, 48927								
Pink	P	 SpringLamp® Series 48913						Floodlight 2R3016		
Yellow	Y	 SpringLamp® Series 48913, 48918								Decorative 21314, 8A05, 8A08
Green • Blue • Red	GR BL RD	 SpringLamp® Series 48913						Flat Pars PF3823		Decorative 8A05, 8A08
Shatter Resistant	SS	SpringLamp™ Series 489, 580, 289, 182, 501		PL Lamps				Floodlight 1R, 2R, 4R 1P, 2P, PF		
Wet Location	WL	SpringLamp™ Series 489, 580								

Minimum requirements apply for all special order items.

Application Notes:

Recessed Cans:

Up to 23w non-dimmable SpringLamps are UL approved for totally enclosed recessed cans.
27w and 32w SpringLamps can be used in open recessed cans.
Do not use a 42w or 68w in any type of recessed can.
Do not use a covered CFL in a totally enclosed recessed can.
Up to 23w dimmable springlamp can be used in an open recessed can.

Surface Mount Fixtures:

If a fixture is rated for incandescents choose an equivalent CFL based on specified incandescent wattage,see tables in catalog or spec sheets for equivalent recommendations.
Do not use more than 2 CFLs up to 23w in any type of enclosed surface mount fixture.
Do not use more than 1 CFL 27w and 32w in any type of enclosed surface mount fixture minimum 12" in diameter.
Do not use a 42w or 68w CFL in any type of enclosed surface mount fixture.

Dimmables:

See TruDim® spec sheet for recommended dimmers and applications for dimmable CFLs.
Any questions please consult dimmer manufacturer or TCP Customer Service/Technical.

Outdoor use:

Unless specified otherwise, CFLs can generally be used in enclosed outdoor weatherproof fixtures. Most covered CFLs are wet location rated in the base up position only, horizontal or base down is not wet location rated.

Photocells and other devices:

Do not use any type of CFLs on devices that do not meet UL20 Sec. 7.6.15.
Check with device manufacturer for compliance.

PRO SERIES

Contact Customer Service for inventory availability and special orders.

TCP PRO SERIES T3 Full SpringLamps, NPF, 12,000 Hour

Item Number	ENERGY STAR®	Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity
48909	★	9 Watt Full SpringLamp	9	40	600	2700	82	3.6	1.8	E26	12
48909C	★	9 Watt Full SpringLamp, E12	9	40	600	2700	82	3.5	1.8	E12	12
48913	★	13 Watt Full SpringLamp	13	60	925	2700	82	3.9	1.8	E26	12
48913C	★	13 Watt Full SpringLamp, E12	13	60	925	2700	82	3.8	1.8	E12	12
48918	★	18 Watt Full SpringLamp	18	75	1300	2700	82	4.0	2.4	E26	12
48923	★	23 Watt Full SpringLamp	23	100	1650	2700	82	4.4	2.4	E26	12
48927	★	27 Watt Full SpringLamp	27	100	1850	2700	82	5.1	2.4	E26	12
48932		32 Watt Full SpringLamp	32	125	2150	2700	82	5.1	2.7	E26	12
48942		42 Watt Full SpringLamp	42	150	2850	2700	82	5.7	2.7	E26	12

Also available in: 30K, 35K, 41K, 50K, 65K



TCP PRO SERIES T2 Full SpringLamps, NPF, 12,000 Hour

Item Number	ENERGY STAR®	Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity
4T209	★	9 Watt T2 Full SpringLamp	9	40	550	2700	82	3.3	1.5	E26	12
4T213	★	13 Watt T2 Full SpringLamp	13	60	825	2700	82	3.6	1.5	E26	12
4T213C		13 Watt T2 Full SpringLamp E12	13	60	825	2700	82	3.5	1.5	E12	12
4T213I		13 Watt T2 Full SpringLamp E17	13	60	825	2700	82	3.5	1.5	E17	12
4T218		18 Watt T2 Full SpringLamp	18	75	1200	2700	82	4.2	2.0	E26	12
4T223	★	23 Watt T2 Full SpringLamp	23	100	1625	2700	82	4.5	2.0	E26	12

Also available in: 30K, 35K, 41K & 50K



DESIGNED-2-FIT

TCP PRO SERIES Dimmable Full SpringLamps, HPF, 10,000 Hour

Item Number	ENERGY STAR®	Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity
40114	★	14 Watt Dimmable Full Spring	14	60	850	2700	82	4.4	2.0	E26	12
40123	★	23 Watt Dimmable Full Spring	23	100	1500	2700	82	4.9	2.4	E26	12

Also available in: 30K, 35K, 41K, 50K, 65K



TCP PRO SERIES Dimmable Covered Lamps, HPF, 8,000 Hour

Item Number	ENERGY STAR®	Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity
2R3016DIM	★	16 Watt R30 Dimmable	16	65	650	2700	82	5.4	3.7	E26	12

Also available in: 30K, 35K, 41K, 50K, 65K



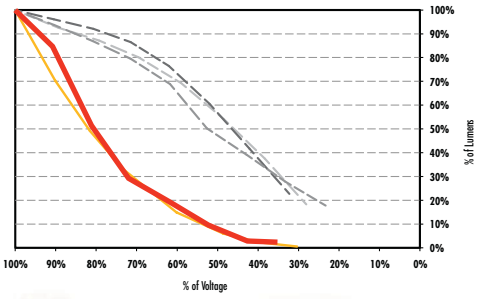
★ Dimmable lamps designed specifically for use with standard non-illuminated 60 watt incandescent slide or rotary dimmer. Consult TCP Technical Support or dimmer manufacturer for compatibility with other dimmer types.

PRO SERIES

Contact Customer Service for inventory availability and special orders.

TruDim®	Item Number	ENERGY STAR®	Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity
TCP PRO SERIES TruDim® Dimmable Covered Lamps, HPF, 12,000 Hour												
	50114		14 Watt Full Spring Dimmable	14	60	850	2700	82	4.7	2.0	E26	12
	50123	★	23 Watt Full Spring Dimmable	23	100	1500	2700	82	4.9	2.4	E26	12
	53123SP		23 Watt Full Spring Dimmable GU Base	23	100	1500	2700	82	4.4	2.4	GU24	12
	4R2014TD		14 Watt R20 Dimmable	14	50	410	2700	82	5.1	2.5	E26	12
	4R3016TD		16 Watt R30 Dimmable	16	65	650	2700	82	5.4	3.7	E26	12
	4R4016TD		16 Watt R40 Dimmable	16	75	750	2700	82	6.1	4.8	E26	12
	4R4020TD		20 Watt R40 Dimmable	20	85	950	2700	82	6.1	4.8	E26	12
	41315TD	★	15 Watt A-Lamp Dimmable	15	60	750	2700	82	5.1	2.3	E26	12
	41316TD	★	16 Watt A-Lamp Dimmable	16	60	850	2700	82	5.5	2.4	E26	12
	4G2515TD	★	15 Watt G25 Globe Dimmable	15	60	800	2700	82	5.2	3.1	E26	6
	4G4015TD		15 Watt G40 Globe Dimmable	15	60	750	2700	82	7.3	4.8	E26	6

Dimming Curve





TruDim®

The *ONLY* fully dimmable CFL!

These CFLs combine powerful performance with intelligent design.

Full dimming performance all the way down to 2% with no annoying flicker – that's best in class CFL performance!

Features & Benefits

- Uniform, smooth dimming performance from 100% to 2%.
- Optimized electronics maximizes lamp life.
- Low dim level starting capability.
- Digital technology for faster run-up time.

* Designed specifically for use with standard non-illuminated 60 watt incandescent slide or rotary dimmer. Consult TCP Technical Support or dimmer manufacturer for compatibility with other dimmer types. Also works well with the new CFL-LED dimmers.



TCP PRO SERIES TruStart™, NPF, 20,000 Hour

TruStart™ InstaBright™ w/ Armor Coat™

Item Number	ENERGY STAR®	Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity
58009		9 Watt TruStart SpringLamp	9	40	600	2700	82	4.0	1.9	E26	12
58014		14 Watt TruStart SpringLamp	14	60	900	2700	82	4.1	2.2	E26	12
58018		18 Watt TruStart SpringLamp	18	75	1200	2700	82	4.4	2.4	E26	12
58023	★	23 Watt TruStart SpringLamp	23	100	1600	2700	82	4.7	2.4	E26	12
58027		27 Watt TruStart SpringLamp	27	100	1850	2700	82	4.9	2.8	E26	12
58032		32 Watt TruStart SpringLamp	32	125	2100	2700	82	5.7	2.8	E26	12
58042		42 Watt TruStart SpringLamp	23	150	2800	2700	82	6.2	2.8	E26	12



TruStart™

Full Brightness in a SNAP!

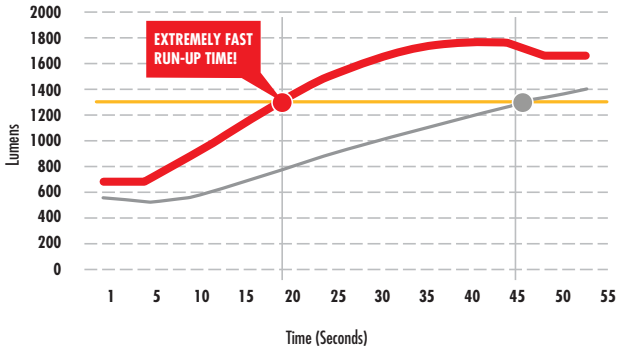
Our TruStart™ CFL has a long life of 20,000 hours, while achieving full brightness in record time.

Features & Benefits

- TCP-Exclusive Advanced IC Chip Control
- Programmed start for longer life 20,000 hours
- 15 – 20 seconds Run-Up time
- 100% improvement over standard 23w CFL
- Fully compatible with OCC Sensors



TruStart 58023 Run-up Analysis



Nothing Compares!

- TruStart 58023
- Standard 23W CFL
- Run-up Point



TCP PRO SERIES InstaBright™ G2 with Armor Coat™, NPF, 8000 Hour

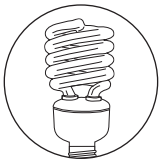
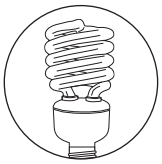
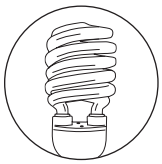
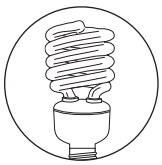
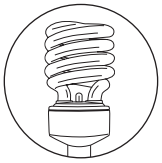
41314A	★	14 Watt A-Lamp InstaBright G2	14	60	700	2700	82	4.4	2.4	E26	12
4G2514A	★	14 Watt G25 InstaBright G2	14	60	800	2700	82	4.4	3.1	E26	6
4R2014A		14 Watt R20 InstaBright G2	14	50	410	2700	82	4.4	2.5	E26	12
4R3014A	★	14 Watt R30 InstaBright G2	14	65	650	2700	82	5.4	3.7	E26	12

with Armor Coat™!



Contact Customer Service for inventory availability and special orders.

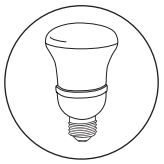
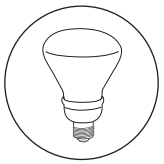
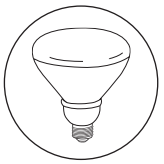
E26 Base and Mogul Base SpringLamps

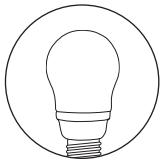
	Item Number	ENERGY STAR®	Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity
SPRINGLAMPS, ELECTRONIC, NPF, 10,000 HOUR, <150% THD												
	28968	★	68 Watt SpringLamp	68	300	4200	2700	82	9.5	4.1	E26	6
SPRINGLAMPS, ELECTRONIC, NPF, 10,000 HOUR, MOGUL BASE, <150% THD												
	28927H		27 Watt SpringLamp Mogul Base	27	100	1850	2700	82	6.2	2.8	Mogul	12
	28942H		42 Watt SpringLamp Mogul Base	42	150	2800	2700	82	7.0	2.8	Mogul	12
	28968H		68 Watt SpringLamp Mogul Base	68	300	4200	2700	82	9.8	4.1	Mogul	6
SPRINGLAMPS, ELECTRONIC, NPF, 10,000 HOUR, 277V, <150% THD												
	28927277		27 Watt SpringLamp 277 Volt	27	100	1850	2700	82	6.0	2.8	E26	12
	28932277		32 Watt SpringLamp 277 Volt	32	125	2200	2700	82	6.0	2.8	E26	12
	28942277		42 Watt SpringLamp 277 Volt	42	150	2800	2700	82	7.0	2.8	E26	12
	28968277		68 Watt SpringLamp 277 Volt	68	300	4200	2700	82	9.5	4.1	E26	6
SPRINGLAMPS, ELECTRONIC, NPF, 10,000 HOUR, MOGUL BASE, 277V, <150% THD												
	28927H277		27 Watt SpringLamp Mogul Base 277 Volt	27	100	1850	2700	82	6.2	2.8	Mogul	12
	28932H277		32 Watt SpringLamp Mogul Base 277 Volt	32	125	2200	2700	82	6.6	2.8	Mogul	12
	28942H277		42 Watt SpringLamp Mogul Base 277 Volt	42	150	2800	2700	82	7.0	2.8	Mogul	12
	28968H277		68 Watt SpringLamp Mogul Base 277 Volt	68	300	4200	2700	82	9.8	4.1	Mogul	6
3-WAY SPRINGLAMPS, ELECTRONIC, 10,000 HOUR, <150% THD												
	19032	★	14/19/32 Watt 3-Way Springlamp	14/ 19/ 32	40/ 75/ 150	750/ 1400/ 2150	2700	82	6.8	2.8	E26	12
	19027	★	11/15/27 Watt 3-Way Springlamp	11/ 15/ 27	25/ 60/ 100	400/ 800/ 1850	2700	82	5.2	2.7	E26	12
HPF SPRINGLAMPS, ELECTRONIC, 10,000 HOUR, <33% THD												
	18209		9 Watt SpringLamp	9	40	500	2700	82	4.1	1.9	E26	12
	18214		14 Watt Mini-SpringLamp	14	60	800	2700	82	4.5	1.9	E26	12
	18220	★	20 Watt SpringLamp	20	75	1100	2700	82	4.7	2.4	E26	12
	18223		23 Watt SpringLamp	23	90	1400	2700	82	4.9	2.4	E26	12
	18227		27 Watt SpringLamp	27	100	1600	2700	82	5.4	2.4	E26	12

Contact Customer Service for inventory availability and special orders.

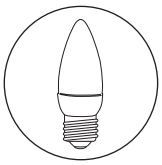
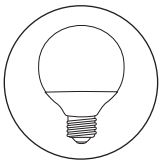
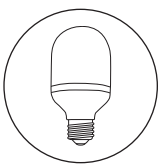
Floods
A-Lamps

Item Number	ENERGY STAR®	Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity
1-Piece Reflectors, Wet Location Rated, Electronic, NPF, 8,000 Hour											
1R2004		4 Watt R20 Floodlight	4	15	180	2700	82	3.8	2.5	E26	12
1R2009	★	9 Watt R20 Floodlight	9	25	400	2700	82	3.8	2.5	E26	12
1R2014	★	14 Watt R20 Floodlight	14	50	500	2700	82	4.3	2.5	E26	12
2R3014	★	14 Watt R30 Floodlight	14	65	650	2700	82	5.4	3.7	E26	12
2R3016	★	16 Watt R30 Floodlight	16	75	750	2700	82	5.7	3.7	E26	12
1R4016	★	16 Watt R40 Floodlight	16	75	750	2700	82	5.7	4.7	E26	12
1R4019	★	19 Watt R40 Floodlight	19	85	950	2700	82	5.9	4.7	E26	12
1R4023	★	23 Watt R40 Floodlight	23	120	1150	2700	82	6.2	4.7	E26	12
1P3016	★	16 Watt PAR30 Floodlight	16	75	750	2700	82	5.7	3.7	E26	12
1P3816	★	16 Watt PAR38 Floodlight	16	75	850	2700	82	5.9	4.7	E26	12
2P3819	★	19 Watt PAR38 Floodlight	19	85	1000	2700	82	5.9	4.7	E26	12
1P3823	★	23 Watt PAR38 Floodlight	23	90	1200	2700	82	6.2	4.8	E26	12
1-Piece Flat Par Reflectors, Wet Location Rated, Electronic, NPF, 8,000 Hour											
PF2014		14 Watt Flat Par20 Floodlight	14	30	350	2700	82	4.3	2.5	E26	12
PF3016		16 Watt Flat Par30 Floodlight	16	65	750	2700	82	5.0	3.7	E26	12
PF3823		23 Watt Flat Par PAR38 Floodlight	23	75	1000	2700	82	5.4	4.8	E26	12
A-Lamp, Electronic, NPF, 8,000 Hour											
11304		4 Watt A-Lamp	4	25	225	2700	82	3.8	1.7	E26	12
11309	★	9 Watt A-Lamp	9	40	475	2700	82	3.8	1.9	E26	12
21314	★	14 Watt A-Lamp	14	60	800	2700	82	4.4	2.4	E26	12
11316	★	16 Watt A-Lamp	16	60	900	2700	82	5.9	2.7	E26	12
11319	★	19 Watt A-Lamp	19	60	1100	2700	82	5.9	2.7	E26	12
11323		23 Watt A-Lamp	23	100	1200	2700	82	6.6	2.7	E26	12
21314Y		14 Watt A-Lamp BugLight	14	60	600	2300	N/A	4.4	2.4	E26	12

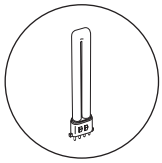


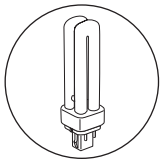
Torpedos
Globes
T-Capsules

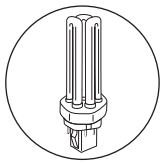
Item Number	ENERGY STAR®	Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity
Torpedo Lamp, Electronic, NPF, 8,000 Hour											
											
10704	★	4 Watt Torpedo	4	15	195	2700	82	4.4	1.4	E26	12
10704C	★	4 Watt Torpedo CAND	4	15	195	2700	82	4.4	1.4	E12	12
10709	★	9 Watt Torpedo	9	40	425	2700	82	4.8	1.7	E26	12
10709C		9 Watt Torpedo Lamp	9	40	425	2700	82	4.8	1.7	E12	12
10714		14 Watt Torpedo Lamp	14	60	720	2700	82	5.4	1.7	E26	12
10714C		14 Watt Torpedo Lamp CAND	14	60	720	2700	82	5.4	1.7	E12	12
Globe Lamp, Electronic, 8,000 Hour											
											
1G2004		4 Watt G20 Globe	4	25	250	2700	82	3.6	2.5	E26	12
1G2004C		4 Watt G20 Globe CAND	4	25	210	2700	82	3.6	2.5	E12	12
1G2504	★	4 Watt G25 Globe	4	25	250	2700	82	4.0	3.1	E26	6
1G2504C		4 Watt G25 Globe CAND	4	40	250	2700	82	4.0	3.1	E12	6
1G2509	★	9 Watt G25 Globe	9	40	520	2700	82	4.4	3.1	E26	6
1G2509C		9 Watt G25 Globe CAND	9	40	520	2700	82	4.4	3.1	E12	6
2G2514	★	14 Watt G25 Globe	14	60	800	2700	82	4.4	3.1	E26	6
1G3009		9 Watt G30 Globe	9	40	520	2700	82	5.0	3.7	E26	6
1G3014	★	14 Watt G30 Globe	14	60	800	2700	82	5.0	3.7	E26	6
1G3019	★	19 Watt G30 Globe	19	75	1100	2700	82	5.0	3.7	E26	6
1G3023		23 Watt G30 Globe	23	100	1200	2700	82	5.9	3.7	E26	6
1G4014	★	14 Watt G40 Globe	14	60	800	2700	82	6.8	5.0	E26	6
1G4019	★	19 Watt G40 Globe	19	75	1100	2700	82	6.8	5.0	E26	6
1G4023		23 Watt G40 Globe	23	100	1300	2700	82	6.8	5.2	E26	6
T-Capsule Lamp, Electronic, 8,000 Hour											
											
1T2014	★	14 Watt T20 Capsule	14	60	800	2700	82	5.4	2.5	E26	12
1T2414	★	14 Watt T24 Capsule	14	60	900	2700	82	5.2	3.5	E26	6
1T2419	★	19 Watt T24 Capsule	19	75	1100	2700	82	5.6	3.5	E26	6
1T2423		23 Watt T24 Capsule	23	100	1200	2700	82	6.3	3.5	E26	6

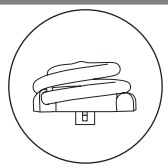
PL Lamps

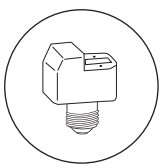
Item Number	ENERGY STAR®	Item Description	Unit/Ballast Watts	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity
Twin Tube PL Lamps, 10,000 Hour										
32005		5 Watt 2-Pin Twin Tube	5	250	2700	82	4.1	1.05	G23	25
32007		7 Watt 2-Pin Twin Tube	7	410	2700	82	5.3	1.3	G23	25
32009		9 Watt 2-Pin Twin Tube	9	590	2700	82	6.4	1.3	G23	25
32013		13 Watt 2-Pin Twin Tube	13	800	2700	82	6.9	1.3	GX23	25
32013IST		13 Watt 2-Pin Twin Tube Instant Start	13	800	2700	82	6.9	1.3	GX23	25
324132GX7		13 Watt 4-Pin Twin Tube	13	800	2700	82	6.2	1.3	2GX7	25
Quad Tube PL Lamps, 10,000 Hour										
32009Q		9 Watt 2-Pin Quad Tube	9	590	2700	82	4.3	1.4	G23-2	25
32013Q		13 Watt 2-Pin Quad Tube	13	810	2700	82	4.6	1.4	GX23-2	25
32013ISQ		13 Watt 2-Pin Quad Tube Instant Start	13	810	2700	82	4.6	1.4	GX23-2	25
32018Q		18 Watt 2-Pin Quad Tube	18	1150	2700	82	6.0	1.4	G24d-2	25
32026Q		26 Watt 2-Pin Quad Tube	26	1700	2700	82	6.6	1.4	G24d-3	25
32413Q		13 Watt 4-Pin Quad Tube	13	875	2700	82	5.2	1.4	G24q-1	25
32418Q		18 Watt 4-Pin Quad Tube	18	1150	2700	82	5.7	1.4	G24q-2	25
32426Q		26 Watt 4-Pin Quad Tube	26	1700	2700	82	6.3	1.4	G24q-3	12
32020Q		20 Watt 2-Pin Quad Tube	20	1250	2700	82	6.1	1.6	GX32D-2	25
32027Q		27 Watt 2-Pin Quad Tube	27	1700	2700	82	6.5	1.6	GX32D-3	25
Triple Tube PL Lamps, 10,000 Hour										
32413T		13 Watt 4-Pin Triple Tube	13	900	2700	82	4.2	1.8	GX24q-1	12
32418T		18 Watt 4-Pin Triple Tube	18	1150	2700	82	4.4	1.8	GX24q-2	12
32426T		26 Watt 4-Pin Triple Tube	26	1700	2700	82	4.8	1.8	GX24q-3	12
32432T		32 Watt 4-Pin Triple Tube	32	2000	2700	82	5.5	1.8	GX24q-3	12
32442T		42 Watt 4-Pin Triple Tube	42	2600	2700	82	6.3	1.8	GX24q-4	12
Low Profile 4-Pin SpringLamp®, 10,000 Hour										
33013SQ		13W Low Profile 4-Pin SpringLamp	13	900	2700	82	1.8	2.9	G24q-1	12
Screw in Magnetic Adapters, 50,000 Hour										
10405		5 Watt Center Mount Adapter	5	N/A	N/A	N/A	3.3	2.4	E26	12
10407		7 Watt Center Mount Adapter	7	N/A	N/A	N/A	3.3	2.4	E26	12
10409		9 Watt Center Mount Adapter	9	N/A	N/A	N/A	3.3	2.4	E26	12
10413		13 Watt Center Mount Adapter	13	N/A	N/A	N/A	3.3	2.4	E26	12







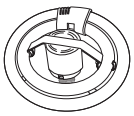




Contact Customer Service for inventory availability and special orders.

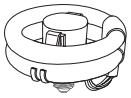
Circline

T6 Circline Adapters with Lamps, Electronic, NPF, 10,000 Hour, 2700K



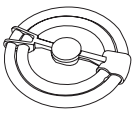
Item Number	Item Description	Unit/Ballast Watts	Lamp Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Replacement Bracket	Replacement Lamp	Base Type	Replacement Ballast	Case Quantity
1703027	30 Watt Circline Adapter with 27 Watt Lamp	30	27	120	2000	2700	82	3.7	7.5	13827B	32027	E26	17030	20
1703632RP	36 Watt Circline Adapter with 32 Watt Lamp	36	32	130	2200	2700	82	3.7	9.0	13832B	32032	E26	17036	20
17033L	33 Watt Circline Adapter with Lamp	33	33	125	2000	2700	82	3.5	5.5	13833B2ADJ	32033	E26	17033	20
17040LRP	40 Watt Circline Adapter with Lamp	40	40	150	2800	2700	82	3.7	7.5	13818B	32040	E26	174040	20
17058L	58 Watt Circline Adapter with Lamp	58	58	200	3700	2700	82	3.7	9.0	13858B	32058	E26	17058	5

T6 3-Way Circline Adapters with Lamp, Electronic, NPF, 10,000 Hour, 2700K



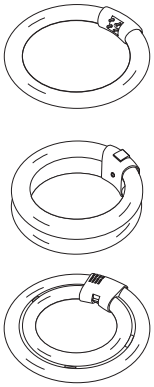
Item Number	Item Description	Unit/Ballast Watts	Lamp Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Replacement Bracket	Replacement Lamp	Base Type	Replacement Ballast	Case Quantity
16533L	33 Watt Circline Adapter with Lamp	33	10/ 20/ 33	50/ 100/ 150	2150	2700	82	3.5	5.5	13833B2ADJ	32033	E26	16533	20

T6 Circline 2D Replacement Lamps, 10,000 Hour, 2700K



Item Number	Item Description	Unit/Ballast Watts	Lamp Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Replacement Bracket	Replacement Lamp	Base Type	Replacement Ballast	Case Quantity
320582D	58 Watt Lamp with 2D Boot	NA	58	200	3700	2700	82	0.8	9.0	N/A	N/A	N/A	N/A	20

T6 Circline Lamps, 2700K

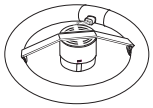
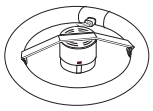
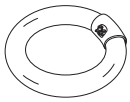
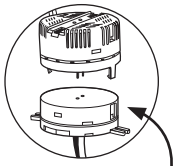
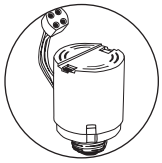


Item Number	Item Description	Unit/Ballast Watts	Lamp Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Replacement Bracket	Replacement Lamp	Base Type	Replacement Ballast	Case Quantity
32027	27 Watt Circline Lamp	NA	27	120	2000	2700	82	0.8	7.5	13827B	N/A	N/A	N/A	20
32032	32 Watt Circline Lamp	NA	32	130	2200	2700	82	0.8	9.0	13832B	N/A	N/A	N/A	20
32033	33 Watt Circline Lamp	NA	33	125	2150	2700	82	1.8	5.5	13833B2ADJ	N/A	N/A	N/A	20
32040	40 Watt Circline Lamp	NA	40	150	2800	2700	82	0.8	7.5	13818B	N/A	N/A	N/A	20
32058	58 Watt Circline Lamp	NA	58	200	3700	2700	82	0.8	9.0	13858B (set of 3)	N/A	N/A	N/A	20

* All T6 Circline lamps also available in: 31K, 35K, 41K, 51K, 65K & P/SP
All Circlines are 4-pin G10Q



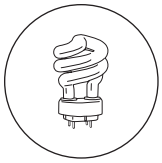
Contact Customer Service for inventory availability and special orders.

Item Number	Item Description	Unit/Ballast Watts	Lamp Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Replacement Bracket	Replacement Lamp	Base Type	Replacement Ballast	Case Quantity	Circline
T9 Circline Adapters with Lamp, Electronic, NPF, 10,000 Hour, 2700K															
17022LRP	22 Watt Circline Adapter with 22 Watt Lamp	22	22	90	1400	2700	82	3.7	8.0	13822B	32022	E26	17022	6	
17030LRP	30 Watt Circline Adapter with 30 Watt Lamp	30	30	120	2000	2700	82	3.7	9.0	13830B	32030	E26	17030	6	
T9 Circline Adapters with Lamp, Electronic, HPF, 10,000 Hour, 2700K															
12530L	30 Watt Circline Adapter and Lamp	30	30	120	2000	2700	82	3.7	9.0	13830B	32030	E26	12530	20	
T9 Circline Lamps, 10,000 Hour, 2700K															
32020	20 Watt Circline Lamp	NA	20	75	1200	2700	NA	1.0	6.0	13820B	N/A	N/A	N/A	20	
32022	22 Watt Circline Lamp	NA	22	90	1400	2700	NA	1.0	8.0	13822B	N/A	N/A	N/A	20	
32030	30 Watt Circline Lamp	NA	30	120	2000	2700	NA	1.0	9.0	13830B	N/A	N/A	N/A	20	
Circline Ballasts, NPF															
17022	22 Watt Circline Ballast	22	NA	NA	NA	NA	NA	NA	NA	NA	N/A	E26	N/A	50	
17030	30 Watt Circline Ballast	30	NA	NA	NA	NA	NA	NA	NA	NA	N/A	E26	N/A	50	
17033	33 Watt Circline Ballast	33	NA	NA	NA	NA	NA	NA	NA	NA	N/A	E26	N/A	50	
17040	40 Watt Circline Ballast	40	NA	NA	NA	NA	NA	NA	NA	NA	N/A	E26	N/A	50	
17058	58 Watt Circline Ballast	58	NA	NA	NA	NA	NA	NA	NA	NA	N/A	E26	N/A	50	Add suffix "Q" for Snap-in Version. Item #4001 for Hard-wire base only.
Circline Ballasts, HPF															
12522	22 Watt Circline Ballast	22	NA	NA	NA	NA	NA	NA	NA	NA	N/A	E26	N/A	50	
12530	30 Watt Circline Ballast	30	NA	NA	NA	NA	NA	NA	NA	NA	N/A	E26	N/A	50	

Contact Customer Service for inventory availability and special orders.

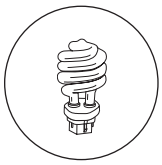
Two Piece SpringLamps

Two Piece Replacement Lamps, TCX Base, PL 4-Pin, Amalgam, 10,000 Hour

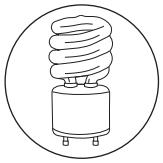
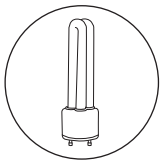


Item Number	ENERGY STAR®	Item Description	Lamp Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity
35011M		11 Watt Mini-SpringLamp Replacement	11	52	650	2700	82	3.0	1.8	TCX 4-pin	12
35014M		14 Watt Mini-SpringLamp Replacement	14	60	900	2700	82	3.1	1.8	TCX 4-pin	12
35015		15 Watt SpringLamp Repl	15	60	930	2700	82	3.1	2.2	TCX 4-pin	12
35018		18 Watt SpringLamp Repl	18	75	1150	2700	82	3.4	2.2	TCX 4-pin	12
35020		20 Watt SpringLamp Repl	20	75	1200	2700	82	3.4	2.2	TCX 4-pin	12
35023		23 Watt SpringLamp Repl	23	90	1400	2700	82	3.7	2.2	TCX 4-pin	12
35026		26 Watt SpringLamp Repl	26	100	1750	2700	82	4.3	2.2	TCX 4-pin	12
35032		32 Watt SpringLamp Repl	32	125	2100	2700	82	4.8	2.2	TCX 4-pin	12
35042		42 Watt SpringLamp Repl	42	150	2800	2700	82	5.6	2.5	TCX 4-pin	12

Two Piece Replacement Lamps, ANSI Base, PL 4-Pin, Amalgam, 10,000 Hour



Item Number	ENERGY STAR®	Item Description	Lamp Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity
33014M		14 Watt Mini-SpringLamp	14	60	900	2700	82	3.1	1.8	G24Q-1	12
33018		18 Watt SpringLamp	18	75	1150	2700	82	4.0	2.2	G24Q-2	12
33026		26 Watt SpringLamp	26	100	1750	2700	82	4.8	2.2	G24Q-3	12
33032		32 Watt SpringLamp	32	125	2100	2700	82	5.3	2.2	G24Q-3	12
33042		42 Watt SpringLamp	42	150	2800	2700	82	5.6	2.5	G24Q-3	12

Item Number	ENERGY STAR®	Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Input Line	Base Type	Case Quantity	GU 24 Base
GU24 SpringLamps, 10,000 Hour													
33109SP	★	9 Watt Springlamp	9	45	550	2700	82	3.4	1.8	.15A	GU24	12	
33113SP	★	13 Watt SpringLamp	13	60	900	2700	82	3.6	1.8	.22A	GU24	12	
33118SP	★	18 Watt SpringLamp	18	75	1200	2700	82	3.8	2.3	.30A	GU24	12	
33123SP	★	23 Watt SpringLamp	23	100	1600	2700	82	4.4	2.4	.43A	GU24	12	
33127SP	★	27 Watt SpringLamp	27	100	1850	2700	82	4.8	2.4	.45A	GU24	12	
33132SP	★	32 Watt SpringLamp	32	120	2200	2700	82	5.1	2.7	.53A	GU24	12	
33142SP		42 Watt SpringLamp	42	150	2800	2700	82	5.9	2.8	.70A	GU24	12	
33213SSP	★	13 Watt Low Profile	13	60	900	2700	82	2.3	3.2	.22A	GU24	12	
GU24 PL Lamps, 8,000 Hour													
33109Q		9 Watt Quad Tube	9	45	500	2700	82	4.5	1.5	.15A	GU24	12	
33113Q		13 Watt Quad Tube	13	60	750	2700	82	4.5	1.5	.22A	GU24	12	
33118Q		18 Watt Quad Tube	18	75	1150	2700	82	6.1	1.5	.30A	GU24	12	
33126Q		26 Watt Quad Tube	26	100	1700	2700	82	7.1	1.8	.43A	GU24	12	

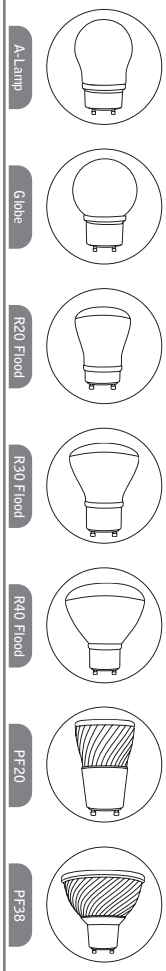




GU 24 Base Covered Lamps

Reflectors

Item Number	ENERGY STAR®	Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Input Line	Base Type	Case Quantity
GU24 Covered Lamps, 8,000 Hour												
33109A19		9 Watt A Lamp	9	40	450	2700	82	3.6	2.3	.15A	GU24	12
33114A19	★	14 Watt A Lamp	14	60	800	2700	82	4.3	2.4	.23A	GU24	12
33109G25		9 Watt G25 Globe	9	40	450	2700	82	4.0	3.2	.15A	GU24	12
33114G25	★	14 Watt G25 Globe	14	60	800	2700	82	4.6	3.2	.23A	GU24	12
33114G30		14 Watt G30 Globe	14	60	800	2700	82	5.3	3.7	.23A	GU24	12
33114R20		14 Watt R20 Flood	14	50	500	2700	82	4.6	2.5	.23A	GU24	12
33116R30	★	16 Watt R30 Flood	16	75	700	2700	82	4.6	3.7	.27A	GU24	12
33116R40		16 Watt R40 Flood	16	75	750	2700	82	5.3	4.8	.27A	GU24	12
33123R40		23 Watt R40 Flood	23	120	1200	2700	82	5.3	4.8	.38A	GU24	12
33123P38		23 Watt Par 38 Flood	23	90	1200	2700	82	5.3	4.8	.38A	GU24	12
33114PF20		14 Watt Par Flat 20 Flood	14	65	350	2700	82	4.0	2.5	.23A	GU24	12
33116PF30		14 Watt Par Flat 30 Flood	14	65	750	2700	82	4.2	3.7	.27A	GU24	12
33123PF38		23 Watt Par Flat 38 Flood	23	90	1000	2700	82	4.8	4.8	.38A	GU24	12



TCP PART NUMBER	DESCRIPTION	MOL (INCHES)	DIAMETER (INCHES)	MOL WITH LAMP (INCHES)	SPRINGLAMPS MAX. LAMP SIZE
TCP Pro Reflectors – 489, 401, 580 Series					
489R3013	Fits 48909, 48913	3	3.7	4.4	13 Watt
489R4013	Fits 48909, 48913	3	4.7	4.4	13 Watt
489R3023	Fits 48918, 48923, 40114, 48927, 58023, 58018, 58014, 58009	3.4	3.7	4.9	23 Watt
489R4023	Fits 48918, 48923, 40114, 48927, 58023, 58018, 58014, 58009	3.4	4.7	4.9	27 Watt
401R4023	Fits 40123, 50123	3.7	4.7	5.4	23 Watt
489R4032	Fits 48932, 48942	3.7	4.7	5.7	42 Watt

SNAP-ON REFLECTOR COVERS

10R30CV	R30 Reflector cover, vented 3.8" diameter
10R40CV	R40 Reflector cover, vented 4.7" diameter

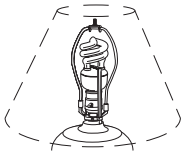


TCP PART NUMBER	DESCRIPTION	USE WITH THESE LAMPS
489R3013	Mini Aluminum R30	48909, 48913
489R4013	Mini Aluminum R40	48909, 48913
489R3023	Mini Aluminum R30	48918, 48923, 40114, 48927, 58023, 58018, 58014, 58009
489R4023	Mini Aluminum R40	48918, 48923, 40114, 48927, 58023, 58018, 58014, 58009
401R4023	Mini Aluminum R40	50123
489R4032	Mini Aluminum R40	48932, 48942





Item #	MOL	Description
10LOCK	N/A	Vandal Resistant Device



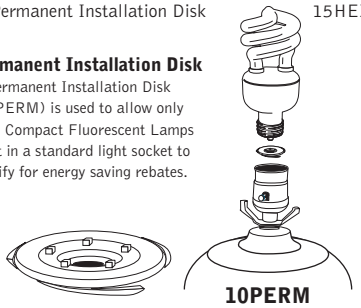
10LOCK

Vandal Resistant Device
The Vandal Resistant Device (10LOCK) is used to help prevent bulb theft.

Use 10LOCK with all lamps except covered lamps.

Item #	Description
10PERM	Permanent Installation Disk

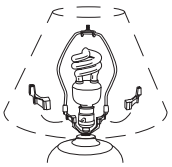
Permanent Installation Disk
A Permanent Installation Disk (10PERM) is used to allow only TCP Compact Fluorescent Lamps to fit in a standard light socket to qualify for energy saving rebates.



10PERM

Item #	Description
15HEXT	Harp Extenders (set of 2)

Lamp Harp Extenders
Simply slip on harp ends to extend and fit around larger size bulbs.



CFL Warranties

8,000 Hour Lamps 12 months
LIMITED WARRANTY

This TCP product is warranted for a period of one year from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (325 Campus Dr., Aurora, OH 44202) along with the original sales receipt within one year of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

401 Series | 350 Series | 330 Series | 320 Series | 182 Series
10,000 Hour Lamps 15 months
LIMITED WARRANTY

This TCP product is warranted for a period of 15 months from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (325 Campus Dr., Aurora, OH 44202) along with the original sales receipt within 15 months of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

190 Series | 289 Series
10,000 Hour Lamps 18 Months
LIMITED WARRANTY

This TCP product is warranted for a period of 18 months from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (325 Campus Dr., Aurora, OH 44202) along with the original sales receipt within 18 months of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

580 Series
20,000 Hour Lamps 36 Months
LIMITED WARRANTY

This TCP product is warranted for a period of 36 months from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (325 Campus Dr., Aurora, OH 44202) along with the original sales receipt within 36 months of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

489 Series | 4T2 Series | TruDim™
12,000 Hour Lamps 24 Months
LIMITED WARRANTY

This TCP product is warranted for a period of 24 months from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (325 Campus Dr., Aurora, OH 44202) along with the original sales receipt within 24 months of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

170 Series | 125 Series | 104 Series | 105 Series
50,000 Hour Ballasts 5 Years
LIMITED WARRANTY

This TCP product is warranted for a period of 5 years from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (325 Campus Dr., Aurora, OH 44202) along with the original sales receipt within 5 years of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

GU24 Lamps 36 Months
LIMITED WARRANTY

This TCP product is warranted for a period of 36 months from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (325 Campus Dr., Aurora, OH 44202) along with the original sales receipt within 36 months of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

Hg Some of our products contain mercury.
Manage according to Local, State, or Federal Disposal Laws
See: www.lamprecycle.org or call 1-800-771-9335

* All data in this catalog is subject to change without notice.
Consult tcpi.com for the latest warranty & specification information.

With the high quality standards all our products must meet, you are guaranteed to have a lighting source that performs in the harshest environments. We've even established a UL client testing laboratory at our corporate headquarters to ensure the safety of every product you use. Our lab is ISO 17025 compliant.

SpringLight™

SpringLight™ SpringLamp®

SpringLight™	Item Number	ENERGY STAR®	Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity
9w SpringLamp	801009	★	9W SpringLamp 27K	9	40	550	2700	82	4.0	1.8	E26	12
	80100935	★	9W SpringLamp 35K	9	40	550	3500	82	4.0	1.8	E26	12
	80100941	★	9W SpringLamp 41K	9	40	550	4100	82	4.0	1.8	E26	12
	80100950	★	9W SpringLamp 50K	9	40	500	5000	82	4.0	1.8	E26	12
14w SpringLamp	801014	★	14W SpringLamp 27K	14	60	900	2700	82	4.4	1.8	E26	12
	8010143	★	14W SpringLamp 27K 3PK	14	60	900	2700	82	4.4	1.8	E26	12
	80101435	★	14W SpringLamp 35K	14	60	900	3500	82	4.4	1.8	E26	12
	80101441	★	14W SpringLamp 41K	14	60	900	4100	82	4.4	1.8	E26	12
	801014413	★	14W SpringLamp 41K 3PK	14	60	900	4100	82	4.4	1.8	E26	12
	80101450	★	14W SpringLamp 50K	14	60	850	5000	82	4.4	1.8	E26	12
	80101465		14W SpringLamp 65K	14	60	850	6500	82	4.4	1.8	E26	12
19w SpringLamp	801019	★	19W SpringLamp 27K	19	75	1225	2700	82	4.4	2.3	E26	12
	8010193	★	19W SpringLamp 27K 3PK	19	75	1225	2700	82	4.4	2.3	E26	12
	80101935	★	19W SpringLamp 35K	19	75	1225	3500	82	4.4	2.3	E26	12
	80101941	★	19W SpringLamp 41K	19	75	1225	4100	82	4.4	2.3	E26	12
	801019413	★	19W SpringLamp 41K 3PK	19	75	1225	4100	82	4.4	2.3	E26	12
	80101950	★	19W SpringLamp 50K	19	75	1225	5000	82	4.4	2.3	E26	12
	80101965	★	19W SpringLamp 65K	19	75	1225	6500	82	4.4	2.3	E26	12
23w SpringLamp	801023	★	23W SpringLamp 27K	23	100	1600	2700	82	4.8	2.3	E26	12
	8010233	★	23W SpringLamp 27K 3PK	23	100	1600	2700	82	4.8	2.3	E26	12
	80102335	★	23W SpringLamp 35K	23	100	1600	3500	82	4.8	2.3	E26	12
	80102341	★	23W SpringLamp 41K	23	100	1600	4100	82	4.8	2.3	E26	12
	801023413	★	23W SpringLamp 41K 3PK	23	100	1600	4100	82	4.8	2.3	E26	12
	80102350	★	23W SpringLamp 50K	23	100	1500	5000	82	4.8	2.3	E26	12
	80102365		23W SpringLamp 65K	23	100	1500	6500	82	4.8	2.3	E26	12
27w SpringLamp	801027	★	27W SpringLamp 27K	27	100	1750	2700	82	5.5	2.4	E26	12
	8010273	★	27W SpringLamp 27K 3PK	27	100	1750	2700	82	5.5	2.4	E26	12
	80102735	★	27W SpringLamp 35K	27	100	1750	3500	82	5.5	2.4	E26	12
	80102741	★	27W SpringLamp 41K	27	100	1750	4100	82	5.5	2.4	E26	12
	801027413	★	27W SpringLamp 41K 3PK	27	100	1750	4100	82	5.5	2.4	E26	12
	80102750	★	27W SpringLamp 50K	27	100	1750	5000	82	5.5	2.4	E26	12
	80102765		27W SpringLamp 65K	27	100	1750	6500	82	5.5	2.4	E26	12
32w SpringLamp	801032		32W SpringLamp 27K	32	125	2100	2700	82	6.0	2.8	E26	12
	80103241		32W SpringLamp 41K	32	125	2000	4100	82	6.0	2.8	E26	12
42w SpringLamp	801042		42W SpringLamp 27K	42	150	2750	2700	82	7.0	2.8	E26	12
	80104241		42W SpringLamp 41K	42	150	2650	4200	82	7.0	2.8	E26	12

Item Number	ENERGY STAR®	Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity
SpringLight™ Reflector Lamps											
802014	★	14w R20 Flood SpringLamp	14	50	495	2700	82	4.3	2.5	E26	12
803014	★	14w R30 Flood SpringLamp	14	65	650	2700	82	5.4	3.7	E26	4
8030142	★	14w R30 Flood SpringLamp 2PK	14	65	650	2700	82	5.4	3.7	E26	2
805023	★	23w Par38 Flood SpringLamp	23	90	1200	2700	82	6.2	4.8	E26	4
8050232	★	23w Par38 Flood SpringLamp 2PK	23	90	1200	2700	82	6.2	4.8	E26	2
804023	★	23w R40 Flood SpringLamp	23	120	1150	2700	82	6.1	4.8	E26	4
SpringLight™ Globes											
8060092	★	9w G25 Globe SpringLamp 2PK	9	40	525	2700	82	4.3	3.1	E26	3
8060142	★	14w G25 Globe SpringLamp 2PK	14	60	800	2700	82	4.3	3.1	E26	3
SpringLight™ A-Lamps											
8070092	★	9w A-Lamp SpringLamp 2pk	9	40	450	2700	82	4.1	2.2	E26	3
8070142	★	14w A-Lamp SpringLamp 2pk	14	60	800	2700	82	4.8	3.1	E26	3
SpringLight™ Multi-Packs											
8011412	★	14w SpringLamp 12PK	14	60	900	2700	82	4.4	1.8	E26	12
8012312	★	23w SpringLamp 12PK	23	100	1600	2700	82	4.8	2.3	E26	12
801R30146	★	14w R30 SpringLamp 6PK	14	65	645	2700	82	5.4	3.7	E26	12

SpringLight™


R20 Flood


R30 Flood


R40 Flood


PAR38 Flood


G25 Globe


A-Lamp

SpringLight™ WARRANTY

801 Series – 10,000 hours – 9 Years – LIMITED WARRANTY*

This product is warranted for a period of 9 YEARS* from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in material or workmanship, simply call 1-800-771-9335 within WARRANTED TIME of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state. WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

802, 803, 805, 807 Series – 8,000 hours – 7 Years – LIMITED WARRANTY*

This product is warranted for a period of 7 YEARS* from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in material or workmanship, simply call 1-800-771-9335 within WARRANTED TIME of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state. WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

*Based on 3 hours average use per day

Consult tcpi.com for the latest warranty & specification information.

TCP

HID



HID

TCP has a robust HID product selection. Our Metal Halide products feature Pulse Plus™ starting for fast warm-up. We also offer several lamps featuring UV Guard™ that provides up to a 90% reduction in ultraviolet light output. Our High Pressure Sodium lamps are practical, long lasting, and efficient.

Applications:

- Street Lights
- Parking Lots
- Roadways
- Warehouses
- Interior High Bays
- Exterior/Landscape Lighting
- Industrial Lighting

FEATURES / BENEFITS

- Long life
- Energy efficient
- Available in multiple wattages
- Indoor and outdoor usage
- Available with UV Guard™

HIGH PRESSURE SODIUM



35/50/70/100/150 Watt
Medium Base



50/70/100/150/
250/400/1000 Watt
Mogul Base

- Extreme Long Life
- High Lumen Per Watt (Up to 130 Lumens/Watt)



PULSE START METAL HALIDE



50/70/100/150/175 Watt
Medium Base



150/175/250/320/350/
400/450 Watt
Mogul Base

- Energy Saving Designs
- UV guard and 30K color temp available on certain models

PROBE START METAL HALIDE & SPORTS LIGHT



175 Watt
Medium Base



175/250/400/1000 Watt
Mogul Base



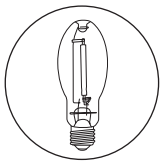
1500 Watt Sports Light
Mogul Base

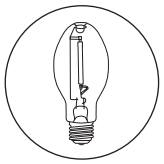
- Replacement for Existing Installation
- High Lumen Output
- Excellent for Sports Venues

Contact Customer Service for inventory availability and special orders.

High Pressure Sodium

High Pressure Sodium, 3 minutes Warm Up Time





Medium Base

Item Number	Item Description	ANSI Ballast Code	Initial Lumens	Mean Lumens	Lamp Life	CCT (Kelvin)	Warm Up (Minutes)	Restrike (Minutes)	CRI	Finish	Diameter (Inches)	Bulb Type	Stocking or Special	Case Quantity
48110	LU35/MED	S76	2200	2000	16000+	1900	3	1	22	Clear	2.13	ED17	STK	12
48120	LU50/MED	S68	4000	3600	24000+	1900	3	1	22	Clear	2.13	ED17	STK	12
48140	LU70/MED	S62	6400	5800	24000+	2000	3	1	22	Clear	2.13	ED17	STK	12
48160	LU100/MED	S54	9000	7200	24000+	2000	3	1	22	Clear	2.13	ED17	STK	12
48180	LU150/55/MED	S55	16000	14400	24000+	2000	3	1	22	Clear	2.13	ED17	STK	6

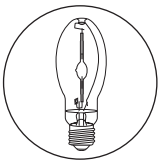
Mogul Base

Item Number	Item Description	ANSI Ballast Code	Initial Lumens	Mean Lumens	Lamp Life	CCT (Kelvin)	Warm Up (Minutes)	Restrike (Minutes)	CRI	Finish	Diameter (Inches)	Bulb Type	Stocking or Special	Case Quantity
48210	LU50/MOG	S68	4000	3600	24000+	2000	3	1	22	Clear	3.00	ED23.5	SPC	6
48220	LU70/MOG	S62	6400	5800	24000+	2000	3	1	22	Clear	3.00	ED23.5	STK	6
48230	LU100/MOG	S54	9500	8500	24000+	2000	3	1	22	Clear	3.00	ED23.5	STK	6
48240	LU150/55/MOG	S55	16000	14400	24000+	2000	3	1	22	Clear	3.00	ED23.5	STK	6
48250	LU250/MOG	S50	28000	25200	24000+	2100	3	1	22	Clear	2.25	ED18	STK	12
48260	LU400/MOG	S51	50000	45000	24000+	2100	3	1	22	Clear	2.25	ED18	STK	12
48270	LU1000/MOG	S52	130000	117000	24000+	2100	3	2	22	Clear	3.12	E25	STK	6

Call for availability on special (SPC)

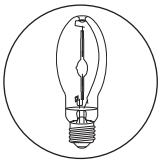
Metal Halide Pulse Plus

50 Watt Pulse Plus Metal Halide, 1-2 minutes Warm Up Time



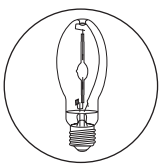
Item Number	Item Description	ANSI Ballast Code	Initial Lumens	Mean Lumens	Lamp Life	CCT (Kelvin)	Restrike (Minutes)	CRI	Finish	Operating Position	Base	Bulb Type	Stocking or Special	Case Quantity
46110	MH 50W/U/PS	M110/E	3400V 3100H	2200V 2000H	10000V 7500H	4000	1-2	65	Clear	U	E26	ED17	STK	12
46111	MH 50W/C/U/PS	M110/E	3200V 2900H	2100V 1900H	10000V 7500H	3700	1-2	70	Coated	U	E26	ED17	STK	12
46112	MP 50W/U/UVG/PS/3K	M110/O	3200V 2900H	2100V 1900H	10000V 7500H	3200	2-4	65	Clear	U	E26	EDX17	STK	12
46113	MP 50W/C/U/UVG/PS/3K	M110/O	3000V 2700H	2000V 1800H	10000V 7500H	3200	2-4	70	Coated	U	E26	EDX17	SPC	12

70 Watt Pulse Plus Metal Halide, 1-2 minutes Warm Up Time



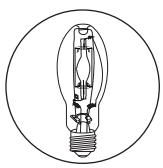
Item Number	Item Description	ANSI Ballast Code	Initial Lumens	Mean Lumens	Lamp Life	CCT (Kelvin)	Restrike (Minutes)	CRI	Finish	Operating Position	Base	Bulb Type	Stocking or Special	Case Quantity
46120	MH 70W/U/PS	M98/E	5600V 5000H	3600V 3300H	15000V 11250H	4000	1-2	65	Clear	U	E26	ED17	STK	12
46121	MH 70W/C/U/PS	M98/E	5300V 4800H	3400V 3100H	15000V 11250H	3700	2-4	70	Coated	U	E26	ED17	STK	12
46124	MP 70W/U/UVG/PS	M98/O	5300V 4800H	3400V 3100H	15000V 11250H	4000	2-4	65	Clear	U	E26	EDX17	STK	12
46127	MP 70W/C/U/UVG/PS	M98/O	5000V 4500H	3300V 3000H	15000V 11250H	3700	2-4	70	Coated	U	E26	EDX17	STK	12

100 Watt Pulse Plus Metal Halide, 1-2 minutes Warm Up Time



Item Number	Item Description	ANSI Ballast Code	Initial Lumens	Mean Lumens	Lamp Life	CCT (Kelvin)	Restrike (Minutes)	CRI	Finish	Operating Position	Base	Bulb Type	Stocking or Special	Case Quantity
46130	MH 100W/U/PS	M90/E	9000V 8100H	5900V 5300H	15000V 11250H	4000	2-4	65	Clear	U	E26	ED17	STK	12
46131	MH 100W/C/U/PS	M90/E	8500V 7700H	5500V 5000H	15000V 11250H	3700	3-5	70	Coated	U	E26	ED17	STK	12
46132	MH 100W/U/PS/3K	M90/E	9000V 8100V	5900V 5300H	15000V 11250H	3200	3-5	65	Clear	U	E26	ED17	STK	12
46133	MH 100W/C/U/PS/3K	M90/E	8500V 7700H	5500V 5000H	15000V 11250H	3200	2-4	70	Coated	U	E26	ED17	STK	12
46136	MP 100W/U/UVG/PS	M90/O	8500V 7700H	5500V 5000H	15000V 11250H	4000	3-5	65	Clear	U	E26	EDX17	STK	12
46139	MP 100W/C/U/UVG/PS	M90/O	8100V 7300H	5300V 4800H	15000V 11250H	3700	3-5	70	Coated	U	E26	EDX17	STK	12

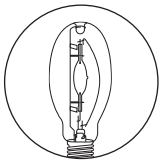
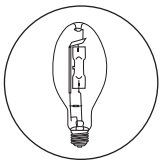
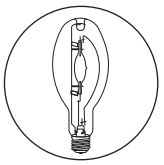
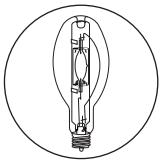
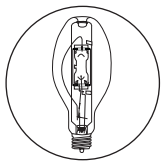
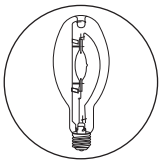
150 Watt Pulse Plus Metal Halide, 1-2 minutes Warm Up Time



Item Number	Item Description	ANSI Ballast Code	Initial Lumens	Mean Lumens	Lamp Life	CCT (Kelvin)	Restrike (Minutes)	CRI	Finish	Operating Position	Base	Bulb Type	Stocking or Special	Case Quantity
46156	MH 150W/U/PS	M102/E	14000V 12600H	10500V 9500H	9500V 8800H	4000	2-4	65	Clear	U	E26	ED17	STK	12
46158	MH 150W/U/ED28/PS	M102/E	14000V 12600H	10500V 9500H	15000V 11250H	4000	2-4	65	Clear	U	E39	ED28	STK	12
46150	MP 150W/U/UVG/PS	M102/O	13300V 12000H	10000 V 9000H	15000V 11250H	4000	3-5	65	Clear	U	E26	EDX17	STK	12
46155	MP 150W/C/U/UVG/PS/3K	M102/O	12600V 11300H	9500V 8500H	15000V 11250H	3700	3-5	70	Coated	U	E26	EDX17	STK	12
46152	MP 150W/U/UVG/PS/3K	M102/O	13300V 12000H	10000V 9000H	15000V 11250H	3200	3-5	65	Clear	U	E26	EDX17	STK	12

Call for availability on special (SPC)

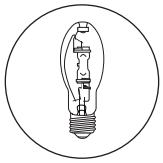
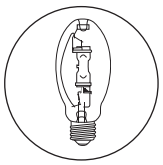
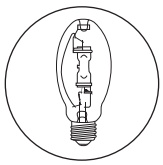
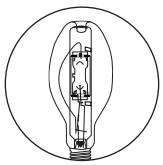
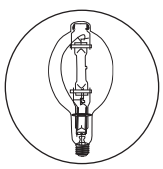
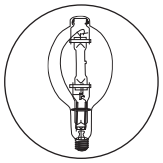
Metal Halide Pulse Plus

Item Number	Item Description	ANSI Ballast Code	Initial Lumens	Mean Lumens	Lamp Life	CCT (Kelvin)	Restrike (Minutes)	CRI	Finish	Operating Position	Base	Bulb Type	Stocking or Special	Case Quantity	
175 Watt Pulse Plus Metal Halide, 1-2 minutes Warm Up Time															
46170	MS 175W/BU/PS	M152/E M137/E	17500	14000	15000	4000	2-4	65	Clear	BU+/-15°	E26	ED17	STK	12	
46174	MS 175W/BU/PS	M152/E M137/E	17500	14000	15000	4000	2-4	65	Clear	BU+/-15°	E39	ED28	STK	12	
46175	MS 175W/C/BU/PS	M152/E M137/E	16600	13300	15000	3700	2-4	70	Coated	BU+/-15°	E39	ED28	STK	12	
46176	MP 175W/BU/UVG/PS	M152/0 M137/0	15000	12400	15000	4000	3-5	65	Clear	BU+/-15°	E39	ED28	SPC	12	
46177	MP 175W/C/BU/UVG/PS	M152/0 M137/0	14300	11400	15000	3700	3-5	70	Coated	BU+/-15°	E39	ED28	SPC	12	
250 Watt Pulse Plus Metal Halide, 2-3 minutes Warm Up Time															
46222	MS 250W/V/PS	M153/E M138/E	25000	20000	15000	4000	3-5	65	Clear	V+/-15°	E39	ED28	STK	12	
46223	MS 250W/C/V/PS	M153/E M138/E	23800	19000	15000	3700	3-5	70	Coated	V+/-15°	E39	ED28	SPC	12	
46226	MS 250W/HOR/PS	M153/E M138/E	22000	17600	15000	4000	3-5	65	Clear	HOR +/-45°	E39	ED28	STK	12	
320 Watt Pulse Plus Metal Halide, 2-3 minutes Warm Up Time															
46236	MS 320W/V/ED28/PS	M154/E M132/E	33000	26000	20000	4000	4-6	65	Clear	V+/-15°	E39	ED28	STK	12	
46232	MS 320W/V/ED37/PS	M154/E M132/E	33000	26000	20000	4000	4-6	65	Clear	V+/-15°	E39	ED37	SPC	6	
46237	MP 320W/C/BU/ED28/ UVG/PS	M154/0 M132/0	29000	23000	20000	3700	5-8	70	Coated	BU+/-15°	EX39	ED28	STK	12	
46239	MP 320W/C/BU/ED37/ UVG/PS	M154/0 M132/0	29000	23000	20000	3700	5-8	70	Coated	BU+/-15°	EX39	ED37	STK	6	
350 Watt Pulse Plus Metal Halide, 2-3 minutes Warm Up Time															
46250	MS 350W/V/PS	M131/E	37000	29000	20000	4000	4-6	65	Clear	V+/-15°	E39	ED37	SPC	6	
46253	MS 350W/C/V/PS	M131/E	35000	28000	20000	3700	4-6	70	Coated	V+/-15°	E39	ED37	SPC	6	
46254	MS 350W/V/ED28/PS	M131/E	37000	29000	20000	4000	4-6	65	Clear	V+/-15°	E39	ED28	SPC	12	
400 Watt Pulse Plus Metal Halide, 2-3 minutes Warm Up Time															
46274	MS 400W/V/PS	M155/E M135/E	44000	35000	20000	4000	4-6	65	Clear	V+/-15°	E39	ED37	STK	6	
46275	MS 400W/C/V/PS	M155/E M135/E	42000	33000	20000	3700	4-6	70	Coated	V+/-15°	E39	ED37	SPC	6	
46273	MS 400W/C/V/ED28/PS	M155/E M135/E	42000	33000	20000	3700	4-6	70	Coated	V+/-15°	E39	ED28	STK	12	
46284	MS 400W/HOR/PS	M155/E M135/E	40000	32000	12000	4000	4-6	65	Clear	HOR +/-45°	E39	ED37	SPC	6	
450 Watt Pulse Plus Metal Halide, 2-3 minutes Warm Up Time															
46290	MS 450W/V/PS	M144/E	50000	40000	20000	4000	4-6	65	Clear	V+/-15°	E39	ED37	SPC	6	
46292	MP 450W/BU/UVG/PS	M144/0	47000	37000	20000	4000	5-8	65	Clear	BU+/-15°	EX39	ED37	SPC	6	

Call for availability on special (SPC)

Contact Customer Service for inventory availability and special orders.

Metal Halide Probe Start

	Item Number	Item Description	ANSI Ballast Code	Initial Lumens	Mean Lumens	Lamp Life	CCT (Kelvin)	Restrike (Minutes)	CRI	Finish	Operating Position	Base	Bulb Type	Stocking or Special	Case Quantity
175 Watt Standard Probe Start Metal Halide, 3-5 minutes Warm Up Time															
	46310	MH 175W/U	M57/E	14000V 12600H	9100V 8200H	10000V 7500H	4000	5-10	65	Clear	U	E39	ED28	STK	12
	46311	MH 175W/C/U	M57/E	13300 V 12000H	8600 V 7800H	10000 V 7500H	3700	5-10	70	Coated	U	E39	ED28	STK	12
	46317	MH 175W/U/MED	M57/E	14000V 12600H	9100V 8200H	10000V 7500H	4000	5-10	65	Clear	U	E26	ED17	STK	12
	46319	MH 175W/C/U/MED	M57/E	13300V 12000H	8600V 7800H	10000V 7500H	3700	5-10	70	Coated	U	E26	ED17	STK	12
250 Watt Standard Probe Start Metal Halide, 3-5 minutes Warm Up Time															
	46320	MH 250W/U	M58/E	21000V 18900H	13700V 12300H	10000V 7500H	4000	5-10	65	Clear	U	E39	ED28	STK	12
	46321	MH 250W/C/U	M58/E	20000V 18000H	13000V 11700H	10000V 7500H	3700	5-10	70	Coated	U	E39	ED28	STK	12
360 Watt Standard Probe Start Metal Halide, 3-5 minutes Warm Up Time															
	46330	MP 360W/BU	M59/O	38000	24000	20000	4000	5-10	65	Clear	U	E39	ED37	STK	6
	46331	MP 360W/C/BU	M59/O	36000	23000	20000	3700	5-10	70	Coated	U	E39	ED37	STK	6
400 Watt Standard Probe Start Metal Halide, 3-5 minutes Warm Up Time															
	46340	MH 400W/U	M59/E	36000V 32400H	23000V 21100H	20000V 15000H	4000	7-12	65	Clear	U	E39	ED37	STK	6
	46341	MH 400W/C/U	M59/E	34000V 30600H	22000V 19900H	20000V 15000H	3700	7-12	70	Coated	U	E39	ED37	STK	6
	46352	MH 400W/U/ED28	M59/E	36000V 32400H	23000V 21100H	20000V 15000H	4000	7-12	65	Clear	U	E39	ED28	STK	12
	46347	MH 400W/C/U/ED28	M59/E	34000V 30600H	22000V 19900H	20000V 15000H	3700	7-12	70	Coated	U	E39	ED28	STK	12
1000 Watt Standard Probe Start Metal Halide, 3-5 minutes Warm Up Time															
	46370	MH 1000W/U	M47/E	110000V 99000H	71000V 64400H	12000V 9000H	4000	7-12	65	Clear	U	E39	BT56	STK	6
	46376	MH 1000W/U/ED37	M47/E	110000V 99000H	71000V 64400H	12000V 9000H	4000	7-12	65	Clear	U	E39	ED37	STK	6
1500 Watt Sports Light – Standard Probe Start Metal Halide, 3-5 minutes Warm Up Time															
	46380	MH 1500W/U/BT56	M48/E	190000	123500	3000	4000	7-12	65	Clear	U	E39	BT56	STK	6

Call for availability on special (SPC)



HID Warranties

Metal Halide & High Pressure Sodium Lamps 12 months

LIMITED WARRANTY

This TCP product is warranted for a period of one year from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (325 Campus Drive, Aurora, OH 44202) along with the original sales receipt within one year of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

Metal Halide Warning

LAMP OPERATING CHARACTERISTICS

1)This is a discharge lamp and requires several minutes to restart and come to full brightness after a power interruption. For total load, add auxiliary ballast watts to lamp watts. 2)Color variation from lamp to lamp is an inherent characteristic of metal halide lamps. It is further influenced by variation in the operating conditions and is not an indication of lamp or system failure. As lamps age, a gradual shift in color normally appears.

WARNING: THIS LAMP CAN CAUSE SERIOUS SKIN BURN AND EYE INFLAMMATION FROM SHORTWAVE ULTRAVIOLET RADIATION IF THE OUTER ENVELOPE OF THE LAMP IS BROKEN OR PUNCTURED AND THE ARC TUBE CONTINUES TO OPERATE. DO NOT USE WHERE PEOPLE WILL REMAIN FOR MORE THAN A FEW MINUTES UNLESS ADEQUATE SHIELDING OR OTHER SAFETY PRECAUTIONS ARE USED. CERTAIN TYPES OF LAMPS THAT WILL AUTOMATICALLY EXTINGUISH WHEN THE OUTER ENVELOPE IS BROKEN OR PUNCTURED ARE COMMERCIALLY AVAILABLE.

Complies with USA Federal Standard 21 CFR 1040.03 and Canadian Standard SOR/80-381.

If the outer envelope breaks or is punctured and lamp continues to operate, immediately turn power off and remove lamp after it has been cooled. If the arc tube is broken, avoid skin contact with any of the contents and fragments.

Hg Some of our products contain mercury.
Manage according to Local, State, or Federal Disposal Laws
See: www.lamprecycle.org or call 1-800-771-9335

* All data in this catalog is subject to change without notice.
Consult tcpi.com for the latest warranty & specification information.

All our products are tested to meet high quality standards. We have established an UL client testing laboratory at our corporate headquarters to ensure the safety of every product you use. Our lab is ISO 17025 compliant.

Metal Halide Cross Reference Guide

ANSI Spec	TCP Item#	TCP Description	GE Item#	GE Description	O/S Item#	Osram/ Sylvania Description	Philips Item#	Philips Description	Venture Item#	Venture Description
50 Watt Pulse Start Metal Halide										
M110/E	46110	MH 50W/U/PS	10361	MXR50/U/MED					52312	MH 50W/U/PS
M110/E	46111	MH 50W/C/U/PS	10364	MXR50/C/U/MED					13093	MH 50W/C/U/PS
M110/O	46112	MP 50W/U/UVG/PS/3K	45670	MXR50/U/MED/O (3K)	64587	MP50/U/MED (3K)			10226	MP 50W/U/UVS/PS/3K
M110/O	46113	MP 50W/C/U/UVG/PS/3K	45671	MXR50/C/U/MED/O (3K)	64588	MP50/C/U/MED (3K)			10381	MP 50W/C/U/UVS/PS/3K
70 Watt Pulse Start Metal Halide										
M98/E	46120	MH 70W/U/PS	12590	MVR70/U/MED					78138	MH 70W/U/PS
M98/E	46121	MH 70W/C/U/PS	12594	MVR70/C/U/MED					12180	MH 70W/C/U/PS
M98/E	46122	MH 70W/U/ED28/PS							16017	MH 70W/U/ED28/PS
M98/O	46124	MP 70W/U/UVG/PS	12377	MXR70/U/MED/O (3K)	64547	MP70/U/MED (3K)			40389	MP 70W/U/UVS/PS
M98/O	46127	MP 70W/C/U/UVG/PS	12577	MXR70/C/U/MED/O (3K)	64546	MP70/C/U/MED (3K)			67115	MP 70W/C/U/UVS/PS
100 Watt Pulse Start Metal Halide										
M90/E	46130	MH 100W/U/PS	12652	MVR100/U/MED					27266	MH 100W/U/PS
M90/E	46131	MH 100W/C/U/PS	12653	MVR100/C/U/MED					15823	MH 100W/C/U/PS
M90/E	46132	MH 100W/U/PS/3K	18680	MXR100/U/MED (3K)						
M90/E	46133	MH 100W/C/U/PS/3K	18679	MXR100/C/U/MED (3K)						
M90/O	46136	MP 100W/U/UVG/PS	12381	MXR100/U/MED/O (3K)	64417	MP100/U/MED			96267	MP 100W/U/UVS/PS
M90/O	46139	MP 100W/C/U/UVG/PS	12579	MXR100/C/U/MED/O (3K)	64418	MP100/C/U/MED			11278	MP 100W/C/U/UVS/PS
150 Watt Pulse Start Metal Halide										
M102/E	46156	MH 150W/U/PS	12598	MVR 150/U/MED					99584	MH 150W/U/PS/740
M102/E	46158	MH 150W/U/ED28/PS							13556	MH 150W/U/ED28/PS
M102/O	46150	MP 150W/U/UVG/PS			64403	MPD150/U/MED/840			22455	MP 150W/U/UVS/PS/740
M102/O	46152	MP 150W/U/UVG/PS/3K	45683	MXR150/U/MED/O	64402	MP150/U/MED (3K)			22522	MP 150W/U/UVS/PS/732
M102/O	46155	MP 150W/C/U/UVG/PS/3K	45688	MXR 150/C/U/MED/O	64425	MPD150/C/U/MED/840			80039	MP 150W/C/U/UVS/PS/732
175 Watt Pulse Start Metal Halide (*175 watt pulse start lamps can also have an ANSI code of M137/E & M137/O)										
M152/E	46174	MS 175W/BU/PS	12622	MVR175/VBU/PA	64815	MS175/PS/BU-ONLY	27662-6	MS175/BU/PS	68475	MS 175W/BU/PS
M152/E	46175	MS 175W/C/BU/PS	12633	MVR175/C/VBU/PA	64816	MS175/C/PS/BU-ONLY			68246	MS 175W/C/BU/PS
M152/O	46176	MP 175W/BU/UVG/PS	49470	MPR175/VBU/O					69854	MP 175W/BU/UVS/PS/740
M152/O	46177	MP 175W/C/BU/UVG/PS	11649	MPR175/C/VBU/O					42346	MP 175W/C/BU/UVS/PS/737
250 Watt Pulse Start Metal Halide (*250 watt pulse start lamps can also have an ANSI code of M138/E & M138/O)										
M153/E	46222	MS 250W/V/PS	26317	MVR250/VBU/PA	64578	MS250/PS/BU-ONLY	27661-8	MS250/BU/PS	49621	MS 250W/V/PS
M153/E	46223	MS 250W/C/V/PS	26319	MVR250/C/VBU/PA	64617	MS250/C/PS/BU-ONLY			81365	MS 250W/C/V/PS
M153/E	46226	MS 250W/HOR/PS	72882	MVR250/HOR/PA						
320 Watt Pulse Start Metal Halide (*320 watt pulse start lamps can also have an ANSI code of M132/E & M132/O)										
M154/E	46236	MS 320W/V/ED28/PS	27501	MVR320/VBU/HO/PA	64507	MS320/PS/BU-HOR	38381-0	MS320/U/PS	59194	MS 320W/V/ED28/PS
M154/E	46232	MS 320W/V/ED37/PS							52236	MS 320W/V/ED37/PS
M154/O	46237	MP 320W/C/BU/ED28/UVG/PS	19609	MPR320/C/ED28/PA	64349	MP320/350/C/PS/BU-ONLY/BT28			10104	MP 320W/C/BU/ED28/UVS/PS
M154/O	46239	MP 320W/C/BU/ED37/UVG/PS	46276	MPR320/C/VBU/XHO/PA			13040-1	MP320/C/BU/PS	32795	MP 320W/C/BU/ED37/UVS/PS
350 Watt Pulse Start Metal Halide										
M131/E	46250	MS 350W/V/PS	23729	MVR350/VBU/XHO/PA			38387-7	MS350/BU/PS	98389	MS 350W/V/PS
M131/E	46253	MS 350W/C/V/PS	23738	MVR350/C/VBU/XHO/PA			38388-5	MS350/C/BU/PS	71329	MS 350W/C/V/PS
M131/E	46254	MS 350W/V/ED28/PS							52980	MS 350W/V/ED28/PS

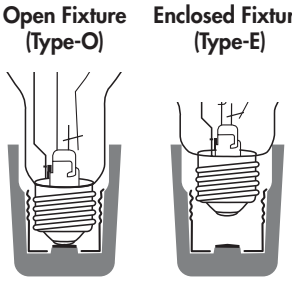
ANSI Spec	TCP Item#	TCP Description	GE Item#	GE Description	O/S Item#	Osram/ Sylvania Description	Philips Item#	Philips Description	Venture Item#	Venture Description
400 Watt Pulse Start Metal Halide										
M155/E	46274	MS 400W/V/PS	45664	MVR400/VBU/HO/PA	64525	MS400/PS/BU-ONLY	27816-8	MS400/BU/PS	73531	MS 400W/V/PS
M155/E	46275	MS 400W/C/V/PS	12644	MVR400/C/VBU/XHO/PA	64527	MS400/C/PS/BU-ONLY	28362-2	MS400/C/BU/PS	42401	MS 400W/C/V/PS
M155/E	46273	MS 400W/C/V/ED28/PS	46271	MVR400/C/VBU/ED28/PA					46416	MS 400W/C/V/ED28/PS
M155/E	46284	MS 400W/HOR/PS	72886	MVR400/HOR/PA			14475-8	MS400/HOR/PS	58788	MH 400W/H75/PS
450 Watt Pulse Start Metal Halide										
M144/E	46290	MS 450W/V/PS							10079	MS 450W/V/PS
M144/O	46292	MP 450W/BU/UVG/PS							65072	MP 450W/BU/UVS/PS
175 Watt Standard Probe Start Metal Halide										
M57/E	46310	MH 175W/U	47760	MVR175/U	64471	M175/U	28733-4	MH175/U	88791	MH 175W/U
M57/E	46311	MH 175W/C/U	47761	MVR175/C/U	64472	M175/C/U	28728-4	MH175/C/U	96627	MH 175W/C/U
M57/E	46317	MH 175W/U/MED	18902	MVR175/U/MED	64479	M175/U/MED	31358-5	MH175/U/M	15556	MH 175W/U/MED
M57/E	46319	MH 175W/C/U/MED	19976	MVR175/C/U/MED	64480	M175/C/U/MED	31359-3	MH175/C/U/M	63187	MH 175W/C/U/MED
250 Watt Standard Probe Start Metal Halide										
M58/E	46320	MH 250W/U	42729	MVR250/U	64457	M250/U	27484-5	MH250/U	63052	MH 250W/U
M58/E	46321	MH 250W/C/U	42731	MVR250/C/U	64458	M250/C/U	29169-0	MH250/C/U	61290	MH 250W/C/U
360 Watt Standard Probe Start Metal Halide										
M59/O	46330	MP 360W/BU	40056	MPR360/VBUWM/HO/O	64737	MSP360/SS/BU-ONLY			38029	MPI 360W/BU/EM
M59/O	46331	MP 360W/C/BU	11685	MPR360/C/VBUWM/HO/O	64738	MSP360/C/SS/BU-ONLY			67293	MPI 360W/C/BU/EM
400 Watt Standard Probe Start Metal Halide										
M59/E	46340	MH 400W/U	43828	MVR400/U	64490	M400/U	34415-0	MH400/U	18520	MH 400W/U
M59/E	46341	MH 400W/C/U	43829	MVR400/C/U	64492	M400/C/U	34416-8	MH400/C/U	83545	MH 400W/C/U
M59/E	46352	MH 400W/U/ED28	18904	MVR400/U/ED28	64488	M400/U/BT28	27862-2	MH400/U/ED28	57540	MH 400W/U/ED28
M59/E	46347	MH 400W/C/U/ED28	19979	MVR400/C/U/ED28	64489	M400/C/U/BT28			20753	MH 400W/C/U/ED28
1000 Watt Standard Probe Start Metal Halide										
M47/E	46370	MH 1000W/U	41826	MVR1000/U	64468	M1000/U	29826-5	MH1000/U	72051	MH 1000W/U
M47/E	46376	MH 1000W/U/ED37	18205	MVR1000/U/BT37	64469	M1000/U/BT37			15332	MH 1000W/U/BT37
1500 Watt Standard Probe Start Metal Halide										
M48/E	46380	MH 1500W/U/BT56	47326	MVR1500/U/SPORTS	64431	M1500/BU-HOR			12342	MH 1500W/U/XL

ANSI Spec	TCP Item#	TCP Description	GE Item#	GE Description	O/S Item#	Osram/ Sylvania Description	Philips Item#	Philips Description	Halco Item#	Halco Description
Medium Based High Pressure Sodium										
S76	48110	LU35/MED	11668	LU35/MED	67500	LU35/MED	30632-4	C35S76/M	108102	LU35/MED
S68	48120	LU50/MED	11345	LU50/MED	67502	LU50/MED	30336-2	C50S68/M	108104	LU50/MED
S62	48140	LU70/MED	11339	LU70/MED	67504	LU70/MED	33192-6	C70S62/M	108106	LU70/MED
S54	48160	LU100/MED	13250	LU100/MED	67506	LU100/MED	34446-5	C100S54/M	108108	LU100/MED
S55	48180	LU150/55/MED	13252	LU150/MED	67508	LU150/55/MED	30347-9	C150S55/M	108110	LU150/MED
Mogul Based High Pressure Sodium										
S68	48120	LU50/MOG	44975	LU50	67510	LU50/ECO	36867-0	C50S68	208120	LU50
S62	48220	LU70/MOG	44033	LU70	67512	LU70/ECO	36869-6	C70S62	208122	LU70
S54	48230	LU100/MOG	44037	LU100	67514	LU100/ECO	36872-0	C100S54	208124	LU100
S55	48240	LU50/55/MOG	44043	LU150/55	67516	LU50/55/ECO	36874-6	C150S55	208126	LU150
S50	48250	LU250/MOG	44047	LU250	67578	LU250/ECO	36879-5	C250S50	208130	LU250
S51	48260	LU400/MOG	44054	LU400	67533	LU400/ECO	36881-1	C400S51	208132	LU400
S52	48270	LU1000/MOG	44058	LU1000/ECO	67307	LU1000	36883-7	C1000S52	279547	LU1000

HID Technical Data

Medium Base

The narrower EDX17 neck allows full insertion into the socket.

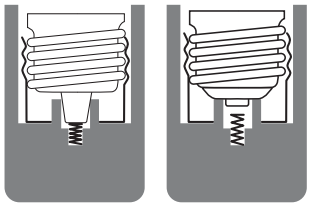


The wider bulb neck will not fit past ceramic neck of socket.

EX26 Socket

Mogul Base

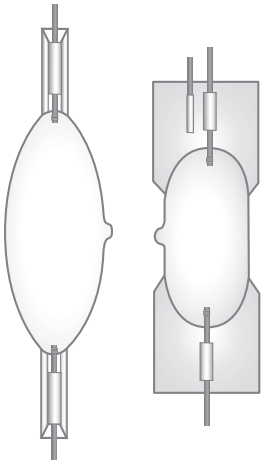
The extended center contact completes the circuit in the socket.



The standard center won't reach the contact in the dedicated socket.

EX39 Socket

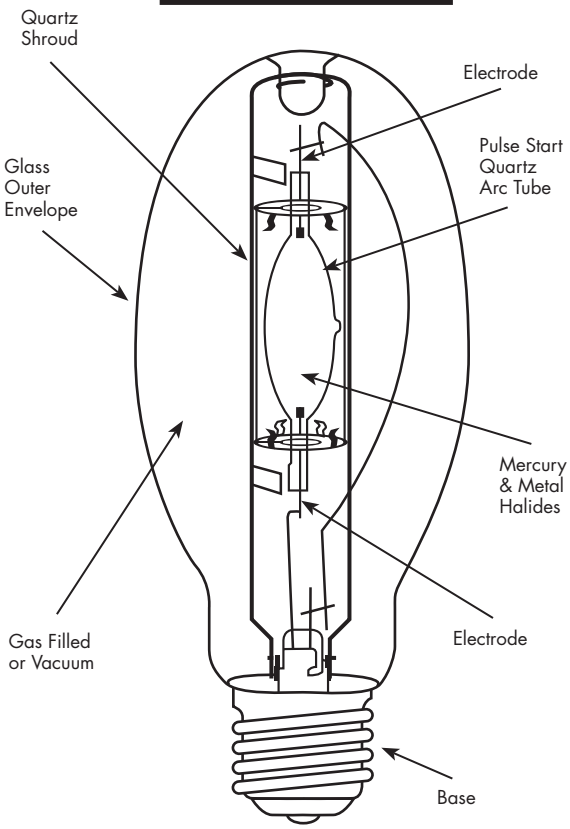
Open Fixtures need sockets that only accept Type-O lamps (pink mogul sockets) in order to prevent accidental use of Type-E or enclosed rated lamps.



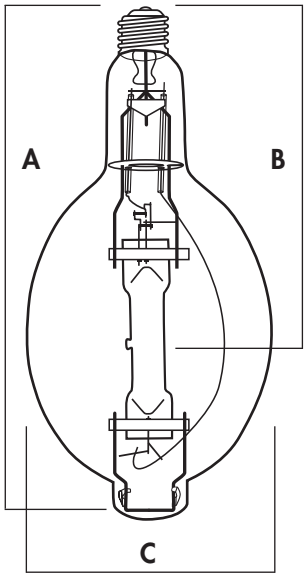
Pulse Plus Arc Tube

Probe Start Arc Tube

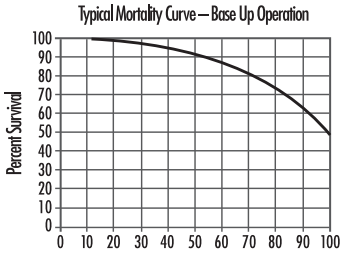
Pulse Plus MP Lamp

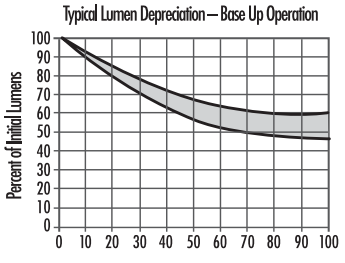


Refer to lamp specification for operating position



Bulb	(A) MOL	(B) LCL	(C) Bulb Diameter
ED17	5.44"	3.38"	2.13"
ED18	9.76"	5.75"	2.25"
ED23.5	7.75"	5.00"	3.00"
E25	15.08"	8.74"	3.12"
ED28	8.31"	5.00"	3.50"
ED37	11.50"	7.00"	4.63"
BT56	15.38"	9.84"	7.00"



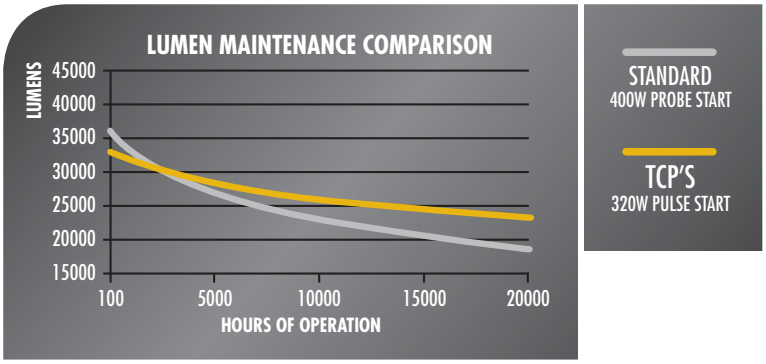


Why Pulse is Plus

By replacing standard Probe Start Lamps with TCP's Pulse Plus™ Lamps, you can increase efficacy up to 24%!

BENEFITS:

+ ENERGY SAVINGS
+ Energy utility REBATES, reducing pay-back period
+ LONGER LAMP LIFE
+ REDUCED Maintenance Costs



High Intensity Discharge Technical Information

Lamp Description Codes

Each TCP lamp has an imprinted monogram code that identifies the important features needed to select a replacement. For better interpretation and selection of lamp types, the lamp description code used to identify TCP lamps appears below. Each lamp description follows the lamp standards used in the industry.

Metal Halide Description Code Example:

Lamp type: MP100W/U/UVG/PS, 100 watt Pulse Plus lamp, open fixture rated, universal burning position, UV Guard™, 4000 Kelvin color temperature.

MP	100W	U	UVG	PS	
Metal Halide Lamp Type	Lamp Wattage	Operating Position, Base-Up	Ultra Violet Guard	Pulse Start Lamp	Color temperature family, 4K unless otherwise stated

High Pressure Sodium Description Code Example:

Lamp type: LU70/MOG, 70 watt universal burning high pressure sodium lamp with a mogul base (E39). All HPS lamps can be used in the universal burn position.

LU	70	MOG
High Pressure Sodium lamp type	Lamp wattage	Mogul base E39

Lamp Description Codes:

BU	Lamps designed for base up (±15°) operating position
C	Lamps with a phosphor coated (diffuse) outer jacket
ED##	Bulb shape and diameter in 1/8 inches (i.e. diameter of ED28 is 3.5 in.)
HOR	Horizontal operating position (HOR ±45°)
LU	High Pressure Sodium
MED	Medium base E26
MH	Metal Halide, typically universal
MOG	Mogul base E39
MP	Lamps with protected (shrouded) arc tube designed for open luminaries
MS	High output metal halide lamps for dedicated operating positions, a "BU", "V", or "HOR"
PS	Pulse start lamp
U	Universal operating position
UVG	UV Guard™ lamps with reduced ultraviolet output
V	Lamps designed for a vertical (±15°) operating position

LINEAR LAMPS & BALLASTS



Linear

TCP is the logical choice for energy efficient lamps and ballasts. Our innovative technology and cost-effective energy efficient systems save time and money.

Applications:
TCP's high efficiency T8 and T5 systems provide a great selection for any application.

Ballasts

FEATURES / BENEFITS

- Universal Volts
- Multiple Ballast Factors
- Specialized Electronic Circuitry
- High Frequency
- 5 Year Warranty
- Quiet Operation
- Anti-Striation Control
- Active Power Factor Correction

NEMA Premium

CEE

Lamps

FEATURES / BENEFITS

- Long Lamp Life
- High Initial Lumens
- Excellent Lumen Maintenance
- Low Operating Cost
- High Color Rendering
- Various Color Temperatures Available
- Shatter Resistant Coating Available



T5 and T8 Ballasts



T8 Retrofit Kits



Occupancy Sensors



T5 Lamps



T8 Lamps



Emergency Ballasts



U-Bend Lamp – 1.625″



U-Bend Lamp – 6″

T8 Lamps
T5 Lamps

T8 Lamps, Medium Bi-Pin



	Item Number	Item Description	Lamp Watts	Lamp Life (Hours) At 3 hours per start	Initial Lumens	Mean Lumens	CCT (Kelvin)	CRI	Diameter (Inches)	Length (Inches)	Base Type	Case Quantity
32W	31032830	F32T8/830	32	24000	2950	2800	3000	85	1	48	Medium Bi-Pin	25
	31032835	F32T8/835	32	24000	2950	2800	3500	85	1	48	Medium Bi-Pin	25
	31032841	F32T8/841	32	24000	2950	2800	4100	85	1	48	Medium Bi-Pin	25
	31032850	F32T8/850	32	24000	2950	2800	5000	85	1	48	Medium Bi-Pin	25
28W	31028830	F28T8/830	28	24000	2650	2520	3000	85	1	48	Medium Bi-Pin	25
	31028835	F28T8/835	28	24000	2650	2520	3500	85	1	48	Medium Bi-Pin	25
	31028841	F28T8/841	28	24000	2650	2520	4100	85	1	48	Medium Bi-Pin	25
	31028850	F28T8/850	28	24000	2650	2520	5000	85	1	48	Medium Bi-Pin	25
25W 4FT	310254F830	F25T8/830	25	24000	2400	2280	3000	85	1	48	Medium Bi-Pin	25
	310254F835	F25T8/835	25	24000	2400	2280	3500	85	1	48	Medium Bi-Pin	25
	310254F841	F25T8/841	25	24000	2400	2280	4100	85	1	48	Medium Bi-Pin	25
	310254F850	F25T8/850	25	24000	2400	2280	5000	85	1	48	Medium Bi-Pin	25
25W 3FT	31025830	F25T8/830	25	24000	2225	2115	3000	85	1	36	Medium Bi-Pin	25
	31025835	F25T8/835	25	24000	2225	2115	3500	85	1	36	Medium Bi-Pin	25
	31025841	F25T8/841	25	24000	2225	2115	4100	85	1	36	Medium Bi-Pin	25
	31025850	F25T8/850	25	24000	2225	2115	5000	85	1	36	Medium Bi-Pin	25
17W	31017830	F17T8/830	17	24000	1400	1330	3000	85	1	24	Medium Bi-Pin	25
	31017835	F17T8/835	17	24000	1400	1330	3500	85	1	24	Medium Bi-Pin	25
	31017841	F17T8/841	17	24000	1400	1330	4100	85	1	24	Medium Bi-Pin	25
	31017850	F17T8/850	17	24000	1400	1330	5000	85	1	24	Medium Bi-Pin	25

T5HO Lamps, Miniature Bi-Pin



	Item Number	Item Description	Lamp Watts	Lamp Life (Hours) At 3 hours per start	Initial Lumens	Mean Lumens	CCT (Kelvin)	CRI	Diameter (Inches)	Length (Inches)	Base Type	Case Quantity
54W	31054830	F54T5HO/830	54	24000	5000	4750	3000	85	0.625	45.2	Miniature Bi-Pin	40
	31054835	F54T5HO/835	54	24000	5000	4750	3500	85	0.625	45.2	Miniature Bi-Pin	40
	31054841	F54T5HO/841	54	24000	5000	4750	4100	85	0.625	45.2	Miniature Bi-Pin	40
	31054850	F54T5HO/850	54	24000	5000	4750	5000	85	0.625	45.2	Miniature Bi-Pin	40
	31054865	F54T5HO/865	54	24000	5000	4750	6500	85	0.625	45.2	Miniature Bi-Pin	40
24W	31024T5830	F24T5HO/830	24	24000	2000	1850	3000	85	0.625	21.6	Miniature Bi-Pin	40
	31024T5835	F24T5HO/835	24	24000	2000	1850	3500	85	0.625	21.6	Miniature Bi-Pin	40
	31024T5841	F24T5HO/841	24	24000	2000	1850	4100	85	0.625	21.6	Miniature Bi-Pin	40
	31024T5850	F24T5HO/850	24	24000	2000	1850	5000	85	0.625	21.6	Miniature Bi-Pin	40

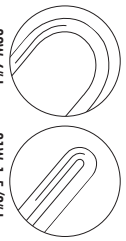


U-Bend Lamps

Ballasts

T8 U-Bend Lamps, Medium Bi-Pin

Item Number	Item Description	Lamp Watts	Lamp Life (Hours) At 3 hours per start	Initial Lumens	Mean Lumens	CCT (Kelvin)	CRI	Diameter (Inches)	Length (Inches)	Base Type	Case Quantity	
31032830U6	FB32T8/830/6	32	20000	3000	2850	3000	85	1	22.5	Med. Bi-Pin	10	32W, 6" Leg
31032835U6	FB32T8/835/6	32	20000	3000	2850	3500	85	1	22.5	Med. Bi-Pin	10	
31032841U6	FB32T8/841/6	32	20000	3000	2850	4100	85	1	22.5	Med. Bi-Pin	10	
31032850U6	FB32T8/850/6	32	20000	3000	2850	5000	85	1	22.5	Med. Bi-Pin	10	
31031830U1	FB31T8/830/1	31	20000	2750	2600	3000	85	1	22.5	Med. Bi-Pin	10	31W, 1-5/8" Leg
31031835U1	FB31T8/835/1	31	20000	2750	2600	3500	85	1	22.5	Med. Bi-Pin	10	
31031841U1	FB31T8/841/1	31	20000	2750	2600	4100	85	1	22.5	Med. Bi-Pin	10	



Next Generation Item Numbers	Item Description	Ballast Factor	Number of Lamps	Length (Inches)	Width (Inches)	Height (Inches)	
32W T8 Electronic Instant Start Ballasts, 5 Year Warranty, 120-277 Volts, <10% THD, NEMA Premium, CEE Listed							
E4P32ISUNVHE	T8 4 Lamp Instant Start, High Ballast Factor, High Efficiency	1.18	4 or 3	9.5	1.70	1.20	4 lamp, 32W
E4P32ISUNVE	T8 4 Lamp Instant Start, Normal Ballast Factor, High Efficiency	0.88	4 or 3	9.5	1.70	1.20	
E4P32ISUNVLE	T8 4 Lamp Instant Start, Low Ballast Factor, High Efficiency	0.78	4 or 3	9.5	1.70	1.20	
E3P32ISUNVHE	T8 3 Lamp Instant Start, High Ballast Factor, High Efficiency	1.18	3 or 2	9.5	1.30	1.20	3 lamp, 32W
E3P32ISUNVE	T8 3 Lamp Instant Start, Normal Ballast Factor, High Efficiency	0.88	3 or 2	9.5	1.30	1.20	
E3P32ISUNVLE	T8 3 Lamp Instant Start, Low Ballast Factor, High Efficiency	0.78	3 or 2	9.5	1.30	1.20	
E2P32ISUNVHE	T8 2 Lamp Instant Start, High Ballast Factor, High Efficiency	1.18	2 or 1	9.5	1.30	1.20	2 lamp, 32W
E2P32ISUNVE	T8 2 Lamp Instant Start, Normal Ballast Factor, High Efficiency	0.88	2 or 1	9.5	1.30	1.20	
E2P32ISUNVLE	T8 2 Lamp Instant Start, Low Ballast Factor, High Efficiency	0.78	2 or 1	9.5	1.30	1.20	
32W T8 Electronic Program Start Ballasts, 5 Year Warranty, 120-277 Volts, <10% THD, NEMA Premium, CEE Listed							
E4P32PSUNVHE	T8 4 Lamp Program Start, High Ballast Factor, High Efficiency	1.18	4 or 3	11.75	1.70	1.20	4 lamp, 32W
E4P32PSUNVE	T8 4 Lamp Program Start, Normal Ballast Factor, High Efficiency	0.87	4 or 3	9.5	1.70	1.20	
E4P32PSUNVLE	T8 4 Lamp Program Start, Low Ballast Factor, High Efficiency	0.77	4 or 3	9.5	1.70	1.20	
E3P32PSUNVHE	T8 3 Lamp Program Start, High Ballast Factor, High Efficiency	1.18	3 or 2	9.5	1.70	1.20	3 lamp, 32W
E3P32PSUNVE	T8 3 Lamp Program Start, Normal Ballast Factor, High Efficiency	0.87	3 or 2	9.5	1.70	1.20	
E3P32PSUNVLE	T8 3 Lamp Program Start, Low Ballast Factor, High Efficiency	0.77	3 or 2	9.5	1.70	1.20	
E2P32PSUNVHE	T8 2 Lamp Program Start, High Ballast Factor, High Efficiency	1.18	2 or 1	9.5	1.70	1.20	2 lamp, 32W
E2P32PSUNVE	T8 2 Lamp Program Start, Normal Ballast Factor, High Efficiency	0.87	2 or 1	9.5	1.30	1.20	
E2P32PSUNVLE	T8 2 Lamp Program Start, Low Ballast Factor, High Efficiency	0.77	2 or 1	9.5	1.30	1.20	
59W T8 Electronic Instant Start Ballasts, 5 Year Warranty, 120-277 Volts, <10% THD							
TCP2P59ISUNV	T8 59W 2 lamp Instant Start, Normal Ballast Factor	0.88	2 or 1	9.5	16.2	1.20	2 lamp, 59W
54W T5 Electronic Program Start Ballasts, 5 Year Warranty, 120-277 Volts, <10% THD							
E2P54PRSUNVE	T5 2 Lamp Program Start, High Efficiency	1.00	2 or 1	9.5	1.75	1.20	2 lamp, 54W



See spec sheet for input watts, current amps and ballast efficacy factor.

* Operates T8 32W, 28W, 25W and 17W Lamps

Contact Customer Service for inventory availability and special orders.

Linear Fluorescent Emergency Ballasts, 120 or 277 Volts

Item Number	Item Description	Lumens	# of Lamps Supported			Length	Width	Height	Weight (lbs)
			T8	T5	CFL				
20B100	Emergency Ballast 500 Lumens T8 Only	500	1	none	1	9.4	2.4	1.5	1.4
20B60	Emergency Ballast 700 Lumens T8 Only	700	1 or 2	none	1 or 2	9.4	2.4	1.5	2.5
20B50	Emergency Ballast 1400 Lumens T8 or T5	1400	1 or 2	1	1 or 2	13.3	2.4	1.5	2.5
20B30	Emergency Ballast 3000 Lumens T8 or T5	3000	1 or 2	1 or 2	1 or 2	16.4	5.6	1.8	7.8
20LP550	Emergency Ballast 800 Lumens T5 Only	800	none	1	1	17.5	1.3	1.2	1.7
20LP600	Emergency Ballast 1300 Lumens T5 Only	1300	none	1	1 or 2	21.5	1.3	1.2	2.1


20B100


20B60


20B50


20B30

Pre-wired Replacement Ballasts



Retrofit Ballasts

	Item Number	Item Description	Ballast Included	Number of Sockets
High Ballast Factor	RETROBALHARNWD1	4 Foot, 1-Lamp Retrofit Ballast, High Ballast Factor	E2P32ISUNVHE	2
	RETROBALHARNWD2	4 Foot, 2-Lamp Retrofit Ballast, High Ballast Factor	E2P32ISUNVHE	4
	RETROBALHARNWD3	4 Foot, 3-Lamp Retrofit Ballast, High Ballast Factor	E3P32ISUNVHE	6
	RETROBALHARNWD4	4 or 8 Foot, 4-Lamp Retrofit Ballast, High Ballast Factor	E4P32ISUNVHE	8
Normal Ballast Factor	RETROBALHARNWD1N	4 Foot, 1-Lamp Retrofit Ballast, Normal Ballast Factor	E2P32ISUNVE	2
	RETROBALHARNWD2N	4 Foot, 2-Lamp Retrofit Ballast, Normal Ballast Factor	E2P32ISUNVE	4
	RETROBALHARNWD3N	4 Foot, 3-Lamp Retrofit Ballast, Normal Ballast Factor	E3P32ISUNVE	6
	RETROBALHARNWD4N	4 or 8 Foot, 4-Lamp Retrofit Ballast, Normal Ballast Factor	E4P32ISUNVE	8
Low Ballast Factor	RETROBALHARNWD1L	4 Foot, 1-Lamp Retrofit Ballast, Low Ballast Factor	E2P32ISUNVLE	2
	RETROBALHARNWD2L	4 Foot, 2-Lamp Retrofit Ballast, Low Ballast Factor	E2P32ISUNVLE	4
	RETROBALHARNWD3L	4 Foot, 3-Lamp Retrofit Ballast, Low Ballast Factor	E3P32ISUNVLE	6
	RETROBALHARNWD4L	4 or 8 Foot, 4-Lamp Retrofit Ballast, Low Ballast Factor	E4P32ISUNVLE	8

SNAP!

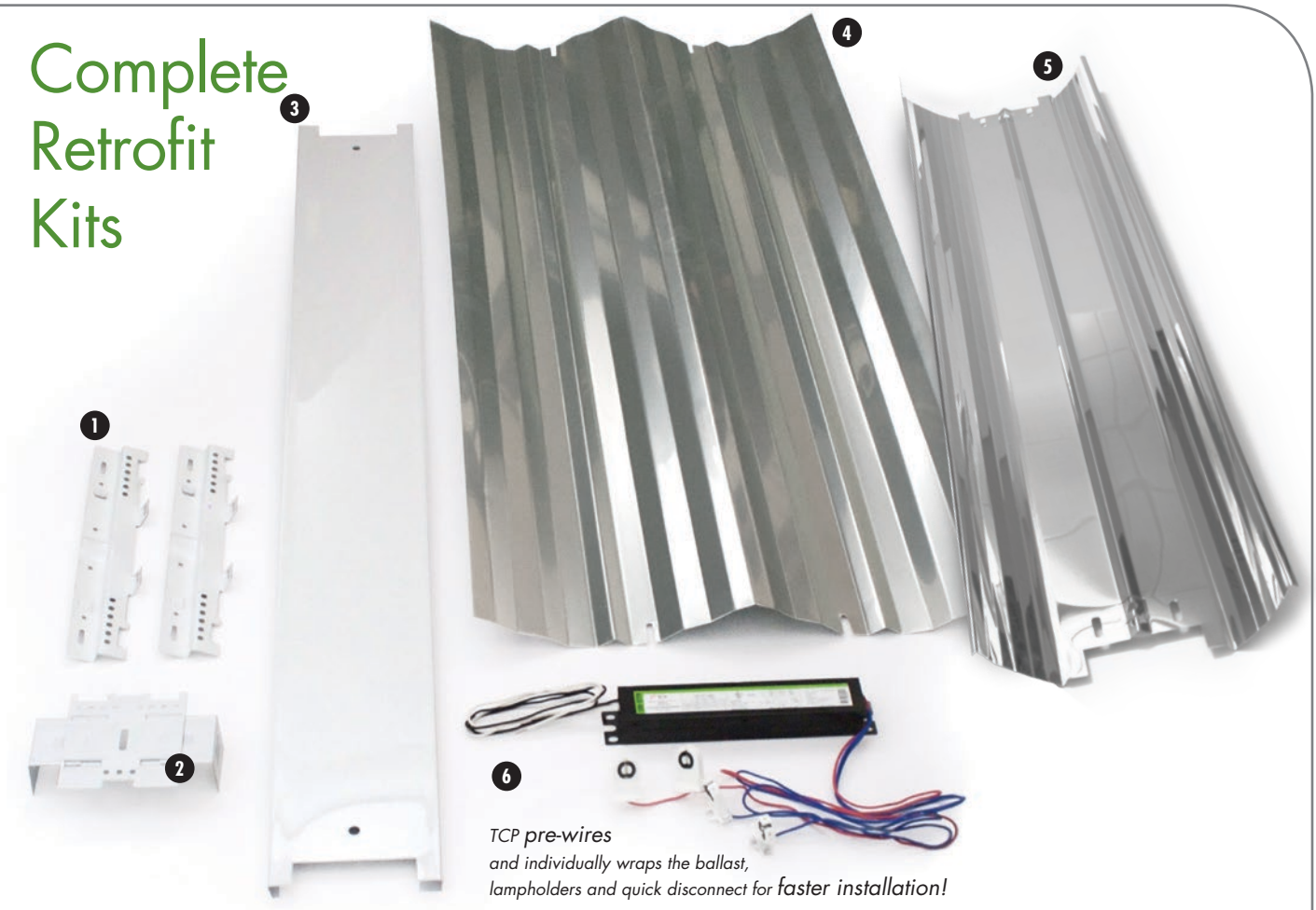
RETROFIT IN A JIFFY

with our Pre-assembled Kits!

Switching out obsolete T12 lamps and replacing them with T8s couldn't be easier!

With our pre-assembled wire/ballast/lamp holder kits, retrofitting is a snap! We even include the pre-wired disconnect.

Complete Retrofit Kits



TCP pre-wires and individually wraps the ballast, lampholders and quick disconnect for faster installation!

1. Lampholder brackets for troffers are white-painted aluminum for long life
2. Adjustable "Clip Strip" adjusts to any channel size between 4" and 5.25"
3. Ballast covers fit up to a 5.25" channel, and is white-painted aluminum for long life
4. 2' and 4' aluminum troffer reflectors are available in a Miro4 or white finish (2 or 3 lamp)
5. 4' aluminum strip reflectors are available in a Miro4 or white finish
6. Ballasts, lampholders and quick disconnects are pre-wired and shrink-wrapped for a simplified installation process

Hardware	Lamp Quantity	Fixture Length	Kit Components (All kits contain ballast sets)	Ballast	Lamps & Color Temperatures
CLR - Strips and Non-Troffer Hardware	**1** **2** **3** **4**	**4** = 4 Foot **8** = 8 Foot	**B** - Brackets, Hardware **L** - Lamps **R** - Brackets, Hardware, Lamps, Reflector **S** - Brackets, Hardware, Lamps, Strip Cover **WR** - Brackets, Hardware, Lamps, White Reflector **WY** - Brackets, Hardware, White Reflector **X** - Brackets, Hardware, Lamps **Y** - Brackets, Hardware, Reflector **Z** - Brackets, Hardware, Strip Cover	**LB** - Low Ballast Factor **NB** - Normal Ballast Factor **Leave Blank for High Ballast Factor**	For 28 Watt and/or a different color, add **XX8YY** to the end of the model number. XX = wattage YY = color temp. **Leave Blank for 32W, 3500K Lamps**

Hardware	Fixture Dimensions	Kit Components (All kits contain ballast sets)	Ballast	Lamps & Color Temperatures
CTR - 2 or 3 Lamp Troffer	**22** - 2 x 2 / 2 Lamp **24** - 2 x 4 / 2 Lamp **223** - 2 x 2 / 3 Lamp **243** - 2 x 4 / 3 Lamp	**R** - Brackets, Hardware, Lamps, Reflector **WR** - Brackets, Hardware, Lamps, White Reflector **WY** - Brackets, Hardware, White Reflector **Y** - Brackets, Hardware, Reflector	**LB** - Low Ballast Factor **NB** - Normal Ballast Factor **Leave Blank for High Ballast Factor**	For 28 Watt and/or a different color, add **XX8YY** to the end of the model number. XX = wattage YY = color temp. **Leave Blank for 32W, 3500K Lamps**

Linear Warranties

Please see page 77 in the Linear Luminaire Section.

*All data in this catalog is subject to change without notice.

Hg Some of our products contain mercury.
Manage according to Local, State, or Federal Disposal Laws
See: www.lamprecycle.org or call 1-800-771-9335

LINEAR LUMINAIRES



We have a variety of linear fluorescent luminaires to fit your needs – from high bays to wet location to strips... and everything in between. TCP is the obvious choice for all your linear needs!

QUICK SHIP

Ask about our program.

800.324.1496

*Lamps are available to order, but pre-lamped fixtures are not part of the Quick Ship program.



Elite T8/T5HO Quick Ship - *Elite High Bay Luminaire, 98% Miro® 4 reflector*

PART #	DESCRIPTION
EL4SA432UNIH10CSPF	Elite Miro4 4' 32w T8 4-Lamp HBF with 10' cord only and single packed
EL4SA454UNIV10CSPF	Elite Miro4 4' 54w T5HO 4-Lamp with 10' cord only and single packed
EL4SA632UNIH10CSPF	Elite Miro4 4' 32w T8 6-Lamp HBF with 10' cord only and single packed
EL4SA654UNIV10CSPF	Elite Miro4 4' 54w T5HO 6-Lamp with 10' cord only and single packed

AVAILABLE HANGING KITS (ordered separately)

EZHANGER - 15' adjustable aircraft cable hanging kit

LHKIT - Single Point Hook Mounting Kit completeplete

AVAILABLE ACCESSORIES (ordered separately)

ELITELENSKIT - Elite lens kit complete with lens, wider endcaps,and hardware.

FWGL - Wire Guard kit complete with Wire Guard and hardware (for use with lens)

FWG - Wire Guard kit complete with Wire Guard and hardware (for use without lens)



Modified Green Hi-Bay T8/T5HO Quick Ship - *I-Beam, 20 gauge steel, 95% RA reflector*

PART #	DESCRIPTION	AVAILABLE WIRE GUARD KITS
MG4RA432UNIH10CSPF	Modified Green Hi Bay 4' 32w T8 4-Lamp HBF with 10' cord only and single packed	GH4LAMPWGKIT (ordered separately)
MG4RA454UNIV10CSPF	Modified Green Hi Bay 4' 54w T5HO 4-Lamp with 10' cord only and single packed	GH4LAMPWGKIT (ordered separately)
MG4RA632UNIH10CSPF	Modified Green Hi Bay 4' 32w T8 6-Lamp HBF with 10' cord only and single packed	GH6LAMPWGKIT (ordered separately)
MG4RA654UNIV10CSPF	Modified Green Hi Bay 4' 54w T5HO 6-Lamp with 10' cord only and single packed	GH4LAMPWGKIT (ordered separately)

RECOMMENDED HANGING KITS

TCPYHOOKX10FT - Y-Hook 10' Hanging Kit (ordered separately)

TCPYHOOKX20FT - Y-Hook 20' Hanging Kit (ordered separately)



Modified Elite T8/T5HO Quick Ship - *Full body, 22 gauge steel, 95% RA reflector*

PART #	DESCRIPTION
ME4RA432UNIHSPF	Modified Elite Reflective Aluminum 32W T8 4 lamp HBF single packed
ME4RA454UNIVSPF	Modified Elite Reflective Aluminum 54W T5HO 4 lamp single packed
ME4RA632UNIHSPF	Modified Elite Reflective Aluminum 32W T8 6 lamp HBF single packed
ME4RA654UNIVSPF	Modified Elite Reflective Aluminum 54W T5HO 6 lamp single packed

AVAILABLE HANGING KITS (ordered separately)

EZHANGER - 15' adjustable aircraft cable hanging kit

LHKIT - Single Point Hook Mounting Kit completeplete

AVAILABLE ACCESSORIES (ordered separately)

ELITELENSKIT - Elite lens kit complete with lens, wider endcaps,and hardware.

FWGL - Wire Guard kit complete with Wire Guard and hardware (for use with lens)

FWG - Wire Guard kit complete with Wire Guard and hardware (for use without lens)



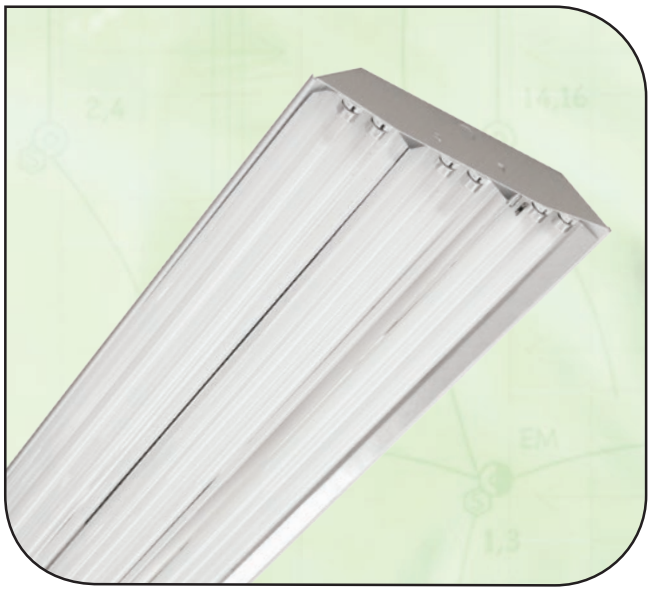
Wet Location T8/T5HO Quick Ship - *Wet Location Luminaires - assembled in the U.S.A.*

PART #	DESCRIPTION
WL4WA332UNIHSP	4 Foot Wet Location White Reflector 32W T8 3 lamp HBF single packed
WL8WA632UNIHSP	8 Foot Wet Location White Reflector 32W T8 6 lamp HBF single packed
WL4WA254UNIHSP	4 Foot Wet Location White Reflector 54W T5HO 2 lamp HBF single packed

ARRA Qualified

Elite Fluorescent High Bay T8/T5

ARRA Qualified



Application

The Elite's superior lumen package is ideal for replacing traditional high bay systems. Benefits include high efficiency, 95% lumen maintenance, improved color rendering, extended lamp life, multi-level switching, instant on, dimming, and improved uniformity. Suggested mounting heights from 15' - 40' with primary applications including "Big Box" retail, warehousing, commercial facilities, manufacturing facilities, open and stack aisle applications.

Description

The full body assembly accommodates multiple optics utilizing either T5 or T8 lamps. The Elite's heavy duty 20 gauge housing exceeds code gauge steel, and all components are post painted with a glossy, high reflectance white paint. Sockets include secure positioning rotating collars.

Reflector Optics

The superior beam spread optic covers from narrow aisle lighting to open area general lighting. The Elite is available using a specular aluminum (SA) Miro®4 or a white aluminum (WA) reflector, which have a 25 year warranty. The reflector options include uplight or non-uplight, depending on the application.

Electrical

All ballasts are class P rated and UL/cUL listed. Our ballasts are also thermally protected, sound rated, and tightly secured by mounting bolts as well as NEMA Premium and CEE certified.

Finish

The baked white enamel finish is electrostatically applied and post painted with a glossy, highly reflective and durable white paint.

Elite Fluorescent High Bay T8 and T5 Series

Maintenance
No tools required for lamp and ballast access.

Installation
Suspension by chain, cable, hook or monopoint with appropriate accessories.

Warranty
One year warranty against defects in manufacturing. See warranty page for extension options.

Listing
UL/cUL Listed - Suitable for damp locations.

Catalog Ordering Matrix

Family	Reflector Distribution	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
EL4 - 4' Elite	**SA** - Narrow Distribution **WA** - Wide Distribution **Add "U" for uplight**	**3** **4** **5** **6** **8**	**25** - (T8 25W) **28** - (T8 28W) **32** - (T8 32W) **54** - (T5HO 54W)	**UNI** - (120-277) **347** **480** - T5 only **480X** - Step Down **480Y** - Step Down for 5, 6 Lamp T5 and 8 Lamp T8 **480XX** - Step Down for 8 Lamp T5	**H** - (T8 High) **N** - (T8 Normal) **L** - (T8 Low) **V** - (T5HO)	**PRS** - (Program Rapid Start) **DIM** - (Dimming) *UNI and Step Down only	(See Below)

OPTIONS (Add to catalog number in order shown)

1 Power Cords
6C - 6' PCord 300V 16/3 SJTOOW NO PLUG
6C4 - 6' PCord 300V 18/4 SJTOW NO PLUG
6W - 6' WHIP PCord 600V 16/3 NO PLUG
2P - 8' PCord 125V 15A 16/3 SJTOOW NEMA 5-15P
3P - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P
8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P
9T - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P
4T - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P
10T - 10' PCord 277V 15A 14/3 SJTOW NEMA L7-15P
10T2 - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P
10C - 10' PCord 277V SJTOOW NO PLUG
10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG
20C - 20' PCord 277V 20A 16/3 SJTOOW NO PLUG
20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG

AVAILABLE HANGING KITS (ordered separately)
EZHANGER - 15' adjustable aircraft cable hanging kit
LHKIT - Single Point Hook Mounting Kit complete

2 Occupancy Sensors
TS1 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V.
TS1C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V
TS4 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V
TS4C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V

Use a program rapid start ballast with occupancy sensor. TCP is not responsible for lamps failing prematurely due to an occupancy sensor being used with an instant start ballast.

3 Wire Guard / Lens
WG - Wire Guard
WGL - Wire Guard & Lens
EL - Acrylic Lens

4 Emergency Ballasts
20B1 - TCP 450 LMS 90 min (T8)
20B6 - TCP 700 LMS 90 min (T8)
20B5 - TCP 1400 LMS 90 min (T8 or T5)
20B3 - TCP 3000 LMS 90 min (T8 or T5)
20BL5 - TCP 800 LMS 90 min (T5)
20BL6 - TCP 1350 LMS 90 min (T5)

Emergency Ballast Notes:
Orders with an emergency ballast must include a note on the order indicating the number of lamps to be operated, which lamp(s) will be operated by the emergency ballast (i.e. 3rd lamp) and what voltage is to be used (120V or 277V only). See Emergency Ballast Spec Sheets for details.

5 Lamps Installed in Job Pack
830 - T5 and T8 Lamps
835 - T5 and T8 Lamps
841 - T5 and T8 Lamps
850 - T5 and T8 Lamps
865 - T5 Lamps Only
830HL - T8 Lamps Only
835HL - T8 Lamps Only
841HL - T8 Lamps Only
850HL - T8 Lamps Only

6 Special Mounting
HCB - Hub Connector Box - 3/4" Threaded Hub Mount

7 Special Packaging
SP - Single Packed (not available with lamps installed)

AVAILABLE ACCESSORIES (ordered separately)
ELITELENSKIT - Elite lens kit complete with lens, wider endcaps, and hardware.
FWGL - Wire Guard kit complete with Wire Guard and hardware (for use with lens)
FWG - Wire Guard kit complete with Wire Guard and hardware. (for use without lens)

† If a desired lamp and/or ballast is needed in a TCP linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price to use the desired lamp and/or ballast.

Sky Bay T8/T5

ARRA Qualified



Application

Sky Bay's superior lumen package is ideal for replacing traditional 1000 watt high bay systems. Benefits include high efficiency, 95% lumen maintenance, improved color rendering, extended lamp life, multi-level switching, instant on, dimming, and improved uniformity. Suggested mounting heights from 20'- 110' with primary applications including warehousing, commercial facilities, manufacturing facilities, open and stack aisle applications.

Description

This fixture was designed for optimum performance utilizing either T5 or T8 lamps. The Sky Bay's heavy duty 20 gauge housing exceeds code gauge steel, and all components are post painted with a glossy, high reflectance white paint. Sockets include secure positioning rotating collars.

Reflector Optics

The superior beam spread optic covers from narrow aisle lighting to open area general lighting. The Sky Bay is available using a specular aluminum (SA) Miro®4 or a white aluminum (WA) reflector, which have a 25 year warranty.

Electrical

All ballasts are class P rated and UL/cUL listed. Our ballasts are also thermally protected, sound rated, and tightly secured by mounting bolts as well as NEMA Premium and CEE certified.

Finish

The baked white enamel finish is electrostatically applied and post painted with a glossy, highly reflective and durable paint.

Sky Bay T8 and T5 Series

Maintenance
No tools required for lamp and ballast access.

Installation
Suspension by chain, cable or hook with appropriate accessories.

Warranty
One year warranty against defects in manufacturing. See warranty page for extension options.

Listing
UL/cUL Listed - Suitable for damp locations.

Catalog Ordering Matrix

Family	Reflector Distribution	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
SK4 - 4' Sky Bay	**SA** - Narrow Distribution **WA** - Wide Distribution	**10** **12**	**25** - (T8 25W) **28** - (T8 28W) **32** - (T8 32W) **54** - (T5HO 54W)	**UNI** - (120-277) **347** **480** - T5 only	**H** - (T8 High) **N** - (T8 Normal) **L** - (T8 Low) **V** - (T5HO)	**PRS** - (Program Rapid Start) **DIM** - (Dimming)** * UNI only ** Dimming not available for T5 Sky Bay	(See Below)

OPTIONS (Add to catalog number in order shown)

❶ **Power Cords**
6C - 6' PCord 300V 16/3 SJTOOW NO PLUG
6C4 - 6' PCord 300V 18/4 SJTOW NO PLUG
6W - 6' WHIP PCord 600V 16/3 NO PLUG
2P - 8' PCord 125V 15A 16/3 SJTOOW NEMA 5-15P
3P - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P
8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P
9T - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P
4T - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P
10T - 10' PCord 277V 15A 14/3 SJTOW NEMA L7-15P
10T2 - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P
10C - 10' PCord 277V SJTOOW NO PLUG
10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG
20C - 20' PCord 277V 20A 16/3 SJTOOW NO PLUG
20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG

AVAILABLE HANGING KITS (ordered separately)

TCPYH00KX10FT - Y-Hook 10 foot hanging kit
TCPYH00KX20FT - Y-Hook 20 foot hanging kit
TCPSKYH00KX10FT - Y-Hook 10 foot hanging kit, longer arms
TCPSKYH00KX20FT - Y-Hook 20 foot hanging kit, longer arms

SKYBAYINVERTKITX20FT - Complete kit for mounting Sky Bay upside down. Includes brackets, 20' Y-Hook cable, and hardware.

❷ **Occupancy Sensors**
TS1 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V.
TS1C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V
TS4 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V
TS4C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V

Use a program rapid start ballast with occupancy sensor. TCP is not responsible for lamps failing prematurely due to an occupancy sensor being used with an instant start ballast.

❸ **Wire Guard**
WG - Wire Guard

No Emergency Ballast Available

❹ **Lamps Installed in Job Pack**
830 - T5 and T8 Lamps
835 - T5 and T8 Lamps
841 - T5 and T8 Lamps
850 - T5 and T8 Lamps
865 - T5 Lamps Only
830HL - T8 Lamps Only
835HL - T8 Lamps Only
841HL - T8 Lamps Only
850HL - T8 Lamps Only

AVAILABLE ACCESSORIES (ordered separately)

SKWGKIT - Wire Guard kit complete with Wire Guard and mounting hardware. Order (2) per luminaire.

† If a desired lamp and/or ballast is needed in a TCP linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price to use the desired lamp and/or ballast.

Stairwell T8

ARRA Qualified



Stairwell T8

Installation
Ceiling or wall surface mounted. Before installation, please consult your local ordinances and building codes for compliance.

Warranty
One year warranty against defectss in manufacturing. See warranty page for extension options.

Listing
UL/cUL Listed - Suitable for damp locations.

Application

The Stairwell Fixture is a great choice when looking for a bi-level luminaire which provides energy savings, high efficiency, 95% lumen maintenance, improved color rendering, extended lamp life, instant on, and improved uniformity. Suggested mounting heights up to 16' with primary applications including stairwells, restrooms, laundry rooms, and other areas where maximum light levels are not needed on a constant basis.

Description

The Stairwell T8 was designed for energy savings using efficient T8 ballasts and lamps in conjunction with an ultrasonic sensor. The attractive two or three lamp design uses an ultrasonic occupancy sensor to turn off the main T8 lamp(s) while there are no occupants in the area, maintaining operation of one T8 lamp during standby mode for safety and compliance purposes. An emergency ballast can also be specified to provide light for 90 minutes in the event of a power failure. This will ensure there is enough light in areas designated as emergency egress.

Construction

The Stairwell Fixture is constructed of heavy duty 20 gauge steel which is post painted with a baked white enamel finish that is electrostatically applied. Ample knockouts are provided for wiring and mounting. The white perforated steel diffuser uses one piece of UV stabilized acrylic to provide an even light distribution pattern. Sockets include secure positioning rotating collars.

Electrical

All electrical components are UL/cUL listed. Ballasts are class P rated, thermally protected, sound rated, NEMA premium, CEE approved, and secured by mounting bolts. The sensor is a low voltage ultrasonic sensor with adjustable sensitivity and time delays of 5, 10, 15, or 30 minutes. A built in LED lights up when occupancy is detected. The sensor has functions for testing, overriding "on", and an integrated 72 hour burn-in feature to ensure long lamp life and proper operation.

Catalog Ordering Matrix – 3 Lamp

(Order Lamps Separately)

Family	2-Lamp Length and PRS Ballast	1-Lamp Length and IS Ballast	Diffuser Option	Options
ST - 4' Stairwell	**4H** - 4' High Ballast Factor **4N** - 4' Normal Ballast Factor **4L** - 4' Low Ballast Factor	**3N** - 25w 3' T8 Normal Ballast Factor **3L** - 25w 3' T8 Low Ballast Factor **2N** - 17w 2' T8 Normal Ballast Factor **2L** - 17w 2' T8 Low Ballast Factor	**ML** - Perforated Metal	**120B5** - 120V TCP 1400 lumen 90 minute emergency ballast **220B5** - 277V TCP 1400 lumen 90 minute emergency ballast **120B6** - 120V TCP 700 lumen 90 minute emergency ballast **220B6** - 277V TCP 700 lumen 90 minute emergency ballast

Catalog Ordering Matrix – 2 Lamp

(Order Lamps Separately)

Family	PRS Ballast (on sensor)	IS Ballast (always on)	Diffuser Option	Options
ST - 4' Stairwell	**4H** - 4' High Ballast Factor **4N** - 4' Normal Ballast Factor **4L** - 4' Low Ballast Factor	**4H** - 4' High Ballast Factor **4N** - 4' Normal Ballast Factor **4L** - 4' Low Ballast Factor	**ML** - Perforated Metal	**120B5** - 120V TCP 1400 lumen 90 minute emergency ballast **220B5** - 277V TCP 1400 lumen 90 minute emergency ballast **120B6** - 120V TCP 700 lumen 90 minute emergency ballast **220B6** - 277V TCP 700 lumen 90 minute emergency ballast

Wet Location/Damp Location Fluorescent T8/T5

ARRA Qualified



Wet Location Fluorescent T8 and T5 Series

Maintenance
No tools required for lamp and ballast access.

Installation
Surface mount bracket provided.

Warranty
One year warranty against defects in manufacturing. See warranty page for extension options.

Listing
- UL/cUL Listed
- NSF International
- U.S.D.A.
- RoHS Compliant
- NEMA 4X
- IP65 and IP67 Certified

Application

The Wet Location fixture is IP65 and IP67 rated, dust and moisture- resistant, making it ideal for harsh environments where humidity or moisture is present.
Primary applications include:

- Food processing facilities
- Kitchens
- Public Areas
- Subways
- Schools
- Parking garages
- Gas Stations
- Government facilities
- Industrial facilities

Description

The full body assembly accommodates either T8 or T5 lamps. The gasketed enclosure is constructed of a fiberglass upper body and acrylic diffuser, with a continuous poured gasket. The diffuser and upper components are locked by retaining latches, which ensures a tight seal. Sockets include secure positioning rotating collars.

Reflector Optics

The superior beam spread optics are ideal for an open area general lighting. The Wet Location fixture comes standard with a white channel cover (WA), and is available using a specular aluminum (SA) Miro®4 reflector, which has a 25 year warranty.

Electrical

All ballasts are class P rated and UL/cUL listed. Our ballasts are also thermally protected, sound rated and tightly secured by mounting bolts as well as NEMA Premium and CEE certified.

Finish

White finish with fiberglass housing.

Catalog Ordering Matrix

Family	Reflector Distribution	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
WL4 - 4' Wet Location **WL8** - 8' Wet Location **DL4** - 4' Damp Location **DL8** - 8' Damp Location	**WA** - Wide Distribution **SA** - Narrow Distribution	**1 (4' Fixture Only)** **2 (4' or 8' Fixture)** **3 (4' Fixture Only)** **4 (8' Fixture Only)** **6 (8' Fixture Only)**	**25** - (T8 25W) **28** - (T8 28W) **32** - (T8 32W) **54** - (T5HO 54W)	**UNI** - (120-277) **347** **480** - T5 only **480X** - Step Down **480Y** - Step Down for 6 Lamp T5	**H** - (T8 High) **N** - (T8 Normal) **L** - (T8 Low) **V** - (T5HO)	**PRS** - (Program Rapid Start) **DIM** - (Dimming) *UNI and Step Down only	(See Below)

OPTIONS (Add to catalog number in order shown)

1 Power Cords
6C - 6' PCord 300V 16/3 SJTOOW NO PLUG
6C4 - 6' PCord 300V 18/4 SJTOW NO PLUG
2P - 8' PCord 125V 15A 16/3 SJTOOW NEMA 5-15P
3P - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P
8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P
9T - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P
4T - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P
10T - 10' PCord 277V 15A 14/3 SJTOW NEMA L7-15P
10T2 - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P
10C - 10' PCord 277V SJTOOW NO PLUG
10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG
20C - 20' PCord 277V 20A 16/3 SJTOOW NO PLUG
20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG

2 Special Hardware
SS - Stainless Steel Lens Latches

3 Wet Location Occupancy Sensors
OSWL3 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20' or less, 120V-277V

OSWL4 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20'-45', 120V-277V

OSWL5 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20' or less, 347V-480V

OSWL6 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20'-45', 347V-480V

Damp Location (DL)

Damp Location Occupancy Sensors
TS1C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V or 347V

TS4C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V

Use a program rapid start ballast with occupancy sensor. TCP is not responsible for lamps failing prematurely due to an occupancy sensor being used with an instant start ballast.

4 Emergency Ballasts
20B1 - TCP 450 LMS 90 min (T8)
20B6 - TCP 700 LMS 90 min (T8)
20B5 - TCP 1400 LMS 90 min (T8 or T5)
20BL5 - TCP 800 LMS 90 min (T5)
20BL6 - TCP 1350 LMS 90 min (T5)

Emergency Ballast Notes:
Orders with an emergency ballast must include a note on the order indicating the number of lamps to be operated, which lamp(s) will be operated by the emergency ballast (i.e. 3rd lamp), and what voltage is to be used (i.e. 120V). See Emergency Ballast Spec Sheets for details.

Mounting
Supplied with a stainless steel mouting bracket.

5 Lamps Installed in Job Pack
830 - T5 and T8 Lamps
835 - T5 and T8 Lamps
841 - T5 and T8 Lamps
850 - T5 and T8 Lamps
865 - T5 Lamps Only
830HL - T8 Lamps Only
835HL - T8 Lamps Only
841HL - T8 Lamps Only
850HL - T8 Lamps Only

6 Special Packaging
SP - Single Packed

† If a desired lamp and/or ballast is needed in a TCP linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price to use the desired lamp and/or ballast.

Note: Use Damp Location (DL) item numbers with Damp Location occupancy sensors ONLY. Otherwise use Wet Location (WL) item numbers.

Polar Bay T8/T5

ARRA Qualified



Application

The Polar Bay Enclosure is IP66 and IP67 rated, dust and moisture-resistant (high volume hose tested), making it ideal for harsh environments where humidity or moisture is present. Primary applications include:

- Food processing facilities
- Kitchens
- Public Areas
- Subways
- Schools
- Parking garages
- Gas stations
- Government facilities
- Industrial facilities
- Exterior Retail

Description

The full body assembly accommodates either T8 or T5 lamps. The gasketed enclosure is constructed of a fiberglass upper body and acrylic diffuser, with a continuous poured gasket. The diffuser and upper components are locked by retaining latches, which ensures a tight seal. Sockets include secure positioning rotating collars.

Reflector Optics

The superior beam spread optics are ideal for an open area general lighting. The Polar Bay comes standard with a white channel cover (WA), and is available using a specular aluminum (SA) Miro®4 reflector, which has a 25 year warranty.

Electrical

All ballasts are class P rated and UL/cUL listed. Our ballasts are also thermally protected, sound rated, and tightly secured by mounting bolts as well as NEMA Premium and CEE certified.

Finish

White finish with fiberglass housing.

Polar Bay T8 and T5 Series

Maintenance
No tools required for lamp and ballast access.

Installation
Luminaire comes with V-Hooks.

Warranty
One year warranty against defects in manufacturing. See warranty page for extension options.

Listing
- UL/cUL Listed
- NSF International
- U.S.D.A.
- RoHS Compliant
- NEMA 4X
- IP66 and IP67 Certified

Catalog Ordering Matrix

Family	Reflector Distribution	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
PL4 - 4' Polar Bay	**SA** - Medium Distribution **WA** - Wide Distribution	**4** **6**	**25** - (T8 25W) **28** - (T8 28W) **32** - (T8 32W) **54** - (T5HO 54W)	**UNI** - (120-277) **347** **480** - T5 only **480X** - Step Down **480Y** - Step Down for 6 Lamp T5	**H** - (T8 High) **N** - (T8 Normal) **L** - (T8 Low) **V** - (T5HO)	**PRS** - (Program Rapid Start) **DIM** - (Dimming) *UNI and Step Down only	(See Below)

OPTIONS (Add to catalog number in order shown)

❶ Power Cords
6C - 6' PCord 300V 16/3 SJTOOW NO PLUG
6C4 - 6' PCord 300V 18/4 SJTOW NO PLUG
2P - 8' PCord 125V 15A 16/3 SJTOOW NEMA 5-15P
3P - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P
8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P
9T - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P
4T - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P
10T - 10' PCord 277V 15A 14/3 SJTOW NEMA L7-15P
10T2 - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P
10C - 10' PCord 277V SJTOOW NO PLUG
10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG
20C - 20' PCord 277V 20A 16/3 SJTOOW NO PLUG
20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG

❷ Occupancy Sensors
OSWL3 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20' or less, 120V-277V

OSWL4 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20'-45', 120V-277V

OSWL5 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20' or less, 347V-480V

OSWL6 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20'-45', 347V-480V

Use a program rapid start ballast with occupancy sensor. TCP is not responsible for lamps failing prematurely due to an occupancy sensor being used with an instant start ballast.

❸ Emergency Ballasts
20B1 - TCP 450 LMS 90 min (T8)
20B6 - TCP 700 LMS 90 min (T8)
20B5 - TCP 1400 LMS 90 min (T8 or T5)
20BL5 - TCP 800 LMS 90 min (T5)
20BL6 - TCP 1350 LMS 90 min (T5)

Emergency Ballast Notes:
Orders with an emergency ballast must include a note on the order indicating the number of lamps to be operated, which lamp(s) will be operated by the emergency ballast (i.e. 3rd lamp), and what voltage is to be used (i.e. 120V). See Emergency Ballast Spec Sheets for details.

Mounting
Supplied with a stainless steel mouting bracket.

❹ Lamps Installed in Job Pack
830 - T5 and T8 Lamps
835 - T5 and T8 Lamps
841 - T5 and T8 Lamps
850 - T5 and T8 Lamps
865 - T5 Lamps Only
830HL - T8 Lamps Only
835HL - T8 Lamps Only
841HL - T8 Lamps Only
850HL - T8 Lamps Only

❺ Special Packaging
SP - Single Packed

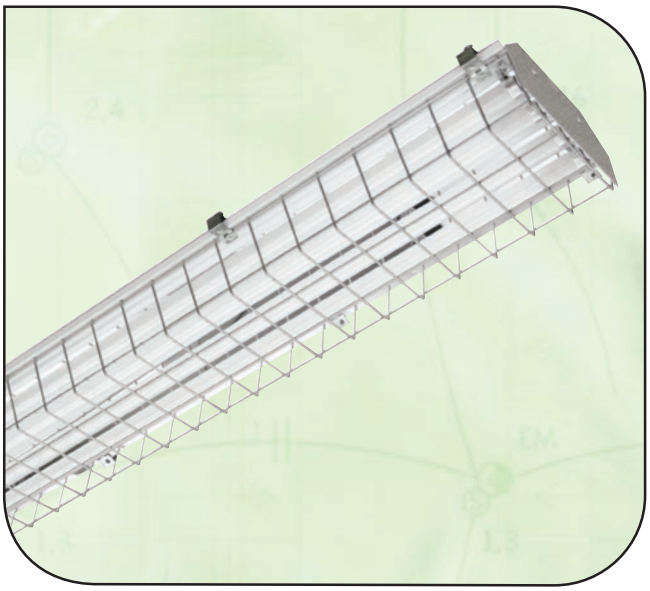
AVAILABLE HANGING KITS (ordered separately)

TCPYHOOKX10FT - Y-Hook 10 foot hanging kit
TCPYHOOKX20FT - Y-Hook 20 foot hanging kit
LHKIT - Single Point Hook Mounting Kit complete
PLSURFMOUNT - Surface mount bracket for Polar Bay, order (2) per luminaire.

† If a desired lamp and/or ballast is needed in a TCP linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price to use the desired lamp and/or ballast.

Power Cage Fluorescent High Bay T8/T5

ARRA Qualified



Application

The Power Cage's superior lumen package is ideal for replacing traditional metal halide high bay systems. Benefits include high efficiency, 95% lumen maintenance, improved color rendering, extended lamp life, multi-level switching, instant on, dimming and improved uniformity. Suggested mounting heights from 15' – 40' with primary applications including warehousing, commercial facilities, manufacturing facilities, open and stack aisle applications.

Description

The full body assembly accommodates multiple optics utilizing either T5 or T8 lamps. The Power Cage's heavy duty 20 gauge housing and 8 gauge wireguard is code gauge steel and all components, excluding the wireguard, are post painted with a glossy, high reflectance white paint. Sockets include secure positioning rotating collars.

Reflector Optics

The superior beam spread optic covers from narrow aisle lighting to open area general lighting. The Power Cage is available using a specular aluminum (SA) or a white aluminum (WA) reflector, which have a 25 year warranty.

Power Cage Fluorescent High Bay T8 and T5 Series

Maintenance
No tools required for lamp and ballast access.

Installation
Suspension by chain, cable, hook or monopoint with appropriate accessories.

Warranty
One year warranty against defects in manufacturing. See warranty page for extension options.

Listing
UL/cUL Listed - Suitable for damp locations.

Electrical

All ballasts are class P rated and UL/cUL listed. Our ballasts are also thermally protected, sound rated and tightly secured by mounting bolts as well as NEMA Premium and CEE certified.

Finish

The baked white enamel finish is electrostatically applied and post painted with a glossy, highly reflective and durable white paint.

Catalog Ordering Matrix

Family	Reflector Distribution	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
PC4 - 4' Power Cage **PC8** - 8' Power Cage	**SA** - Narrow Distribution **WA** - Wide Distribution	**2 (4' Fixture Only)** **3 (4' Fixture Only)** **4 (4' and 8' Fixture)** **6 (8' Fixture Only)** **8 (8' Fixture Only)**	**25** - (T8 25W) **28** - (T8 28W) **32** - (T8 32W) **54** - (T5HO 54W)	**UNI** - (120-277) **347** **480** - T5 only **480X** - Step Down **480Y** - Step Down for 6 Lamp T5 and 8 Lamp T8 **480XX** - Step Down for 8 Lamp T5	**H** - (T8 High) **N** - (T8 Normal) **L** - (T8 Low) **V** - (T5HO)	**PRS** - (Program Rapid Start) **DIM** - (Dimming) *UNI and Step Down only	(See Below)

OPTIONS (Add to catalog number in order shown)

❶ Power Cords
6C - 6' PCord 300V 16/3 SJTOOW NO PLUG
6C4 - 6' PCord 300V 18/4 SJTOW NO PLUG
6W - 6' WHIP PCord 600V 16/3 NO PLUG
2P - 8' PCord 125V 15A 16/3 SJTOOW NEMA 5-15P
3P - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P
8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P
9T - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P
4T - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P
10T - 10' PCord 277V 15A 14/3 SJTOW NEMA L7-15P
10T2 - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P
10C - 10' PCord 277V SJTOOW NO PLUG
10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG
20C - 20' PCord 277V 20A 16/3 SJTOOW NO PLUG
20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG

AVAILABLE HANGING KITS (ordered separately)
EZHANGER - 15' adjustable aircraft cable hanging kit
LHKIT - Single Point Hook Mounting Kit complete

❷ Occupancy Sensors
TS1 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V.
TS1C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V
TS4 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V
TS4C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V

Use a program rapid start ballast with occupancy sensor. TCP is not responsible for lamps failing prematurely due to an occupancy sensor being used with an instant start ballast.

❸ Wire Guard / Lens
NWG - No wire guard
PIL - Prismatic Insert Lens, to be used with Wire Guard
PWL - Prismatic Wrap Lens, not to be used with Wire Guard

❹ Emergency Ballasts
20B1 - TCP 450 LMS 90 min (T8)
20B6 - TCP 700 LMS 90 min (T8)
20B5 - TCP 1400 LMS 90 min (T8 or T5)
20BL5 - TCP 800 LMS 90 min (T5)
20BL6 - TCP 1350 LMS 90 min (T5)

Emergency Ballast Notes:
Orders with an emergency ballast must include a note on the order indicating the number of lamps to be operated, which lamp(s) will be operated by the emergency ballast (i.e. 3rd lamp), and what voltage is to be used (i.e. 120V). See Emergency Ballast Spec Sheets for details.

❺ Lamps Installed in Job Pack
830 - T5 and T8 Lamps
835 - T5 and T8 Lamps
841 - T5 and T8 Lamps
850 - T5 and T8 Lamps
865 - T5 Lamps Only
830HL - T8 Lamps Only
835HL - T8 Lamps Only
841HL - T8 Lamps Only
850HL - T8 Lamps Only

❻ Special Mounting
HCB - Hub Connector Box - 3/4" Threaded Hub Mount

❼ Special Packaging
SP - Single Packed (not available with lamps installed)

† If a desired lamp and/or ballast is needed in a TCP linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price to use the desired lamp and/or ballast.

Power Strip Fluorescent High Bay T8/T5

ARRA Qualified



Application

The Power Strip's superior lumen package is ideal for replacing traditional metal halide high bay systems. Benefits include high efficiency, 95% lumen maintenance, improved color rendering, extended lamp life, multi-level switching, instant on, dimming, and improved uniformity. Suggested mounting heights from 15' – 40' with primary applications including warehousing, commercial facilities, manufacturing facilities, open and stack aisle applications.

Description

The full body assembly accommodates multiple optics utilizing either T5 or T8 lamps. The Power Strip's heavy duty 20 gauge housing is code gauge steel and all components are post painted with a glossy, high reflectance white paint. Sockets include secure positioning rotating collars.

Reflector Optics

The superior beam spread optic covers from narrow aisle lighting to open area general lighting. The Power Strip is available using a specular aluminum (SA) Miro®4 or a white aluminum (WA) reflector, which have a 25 year warranty.

Power Strip Fluorescent High Bay T8 and T5 Series

Maintenance
No tools required for lamp and ballast access.

Installation
Suspension by chain, cable, hook or monopoint with appropriate accessories. Reflectors not pre-installed on fixture. Some assembly required.

Warranty
One year warranty against defects in manufacturing. See warranty page for extension options.

Listing
UL/cUL Listed - Suitable for damp locations.

Electrical

All ballasts are class P rated and UL/cUL listed. Our ballasts are also thermally protected, sound rated, and tightly secured by mounting bolts as well as NEMA Premium and CEE certified.

Finish

The baked white enamel finish is electrostatically applied and post painted with a glossy, highly reflective and durable white paint.

Catalog Ordering Matrix

(Order Lamps Separately)

Family	Reflector Distribution	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
PS4 - 4' Power Strip **PS8** - 8' Power Strip	**SA** - Narrow Distribution **WA** - Wide Distribution	**3 (4' Fixture Only)** **6 (8' Fixture Only)**	**32** - (T8 25-32W) **54** - (T5HO 54W)	**UNI** - (120-277) **347** **480** - T5 only **480X** - Step Down **480Y** - Step Down for 6 Lamp T5	**H** - (T8 High) **N** - (T8 Normal) **L** - (T8 Low) **V** - (T5HO)	**PRS** - (Program Rapid Start) **DIM** - (Dimming) *UNI and Step Down only	(See Below)

OPTIONS (Add to catalog number in order shown)

1 Power Cords
6C - 6' PCord 300V 16/3 SJTOOW NO PLUG
6C4 - 6' PCord 300V 18/4 SJTOW NO PLUG
6W - 6' WHIP PCord 600V 16/3 NO PLUG
2P - 8' PCord 125V 15A 16/3 SJTOOW NEMA 5-15P
3P - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P
8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P
9T - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P
4T - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P
10T - 10' PCord 277V 15A 14/3 SJTOW NEMA L7-15P
10T2 - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P
10C - 10' PCord 277V SJTOOW NO PLUG
10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG
20C - 20' PCord 277V 20A 16/3 SJTOOW NO PLUG
20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG

2 Occupancy Sensors
TS1 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V.
TS1C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V
TS4 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V
TS4C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V

Use a program rapid start ballast with occupancy sensor. TCP is not responsible for lamps failing prematurely due to an occupancy sensor being used with an instant start ballast.

3 Emergency Ballasts
20B1 - TCP 450 LMS 90 min (T8)
20B6 - TCP 700 LMS 90 min (T8)
20B5 - TCP 1400 LMS 90 min (T8 or T5)
20BL5 - TCP 800 LMS 90 min (T5)
20BL6 - TCP 1350 LMS 90 min (T5)

Emergency Ballast Notes:
Orders with an emergency ballast must include a note on the order indicating the number of lamps to be operated, which lamp(s) will be operated by the emergency ballast (i.e. 3rd lamp), and what voltage is to be used (i.e. 120V). See Emergency Ballast Spec Sheets for details.

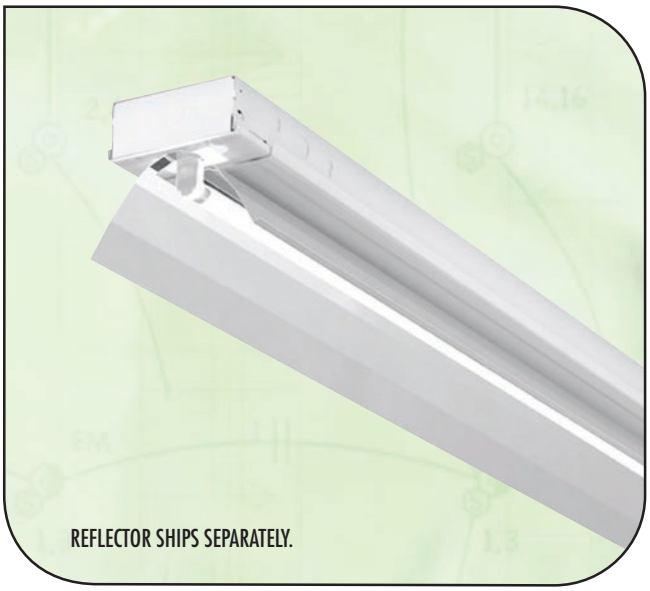
4 Special Mounting
HCB - Hub Connector Box - 3/4" Threaded Hub Mount

AVAILABLE HANGING KITS (ordered separately)
EZHANGER - 15' adjustable aircraft cable hanging kit
LHKIT - Single Point Hook Mounting Kit complete

† If a desired lamp and/or ballast is needed in a TCP linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price to use the desired lamp and/or ballast.

Aisle Lighter T8/T5

ARRA Qualified



Application

The Aisle Lighter is designed for surface or suspended mounting. The fixture is ideal for medium illumination levels and suitable for general task lighting. Suggested use for applications where optimum photometric performance is required. Ideal for light-duty task lighting, aisles, warehousing, storage, and retail.

Description

The full body assembly accommodates multiple optics utilizing either T5 or T8 lamps. The Aisle Lighter's heavy duty 20 gauge housing is code gauge steel and all components are post painted with a glossy, high reflectance white paint. Sockets include secure positioning rotating collars.

Reflector Optics

The Aisle Lighter's superior beam spread optic covers from narrow aisle lighting to open area general lighting. The fixture comes with a specular aluminum Miro®4 reflector, which has a 25 year warranty.

Electrical

All ballasts are class P rated and UL/cUL listed. Our ballasts are also thermally protected, sound rated, and tightly secured by mounting bolts as well as NEMA Premium and CEE certified.

Finish

The baked white enamel finish is electrostatically applied and post painted with a glossy, highly reflective and durable white paint.

Aisle Lighter T8 and T5 Series

Maintenance
No tools required for lamp and ballast access.

Installation
Reflectors not pre-installed on fixture, some assembly required. Suspension by chain, cable, hook or monopoint with appropriate accessories.

Warranty
One year warranty against defects in manufacturing. See warranty page for extension options.

Listing
UL/cUL Listed - Suitable for damp locations.

Catalog Ordering Matrix

(Order Lamps Separately)

Family	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
AL4 - 4' Aisle Lighter **AL8** - 8' Aisle Lighter	**1 (4' Fixture Only)** **2 (4' or 8' Fixture)** **4 (8' Fixture Only)**	**32** - (T8 25-32W) **54** - (T5HO 54W)	**UNI** - (120-277) **347** **480** - T5 only **480X** - Step Down	**H** - (T8 High) **N** - (T8 Normal) **L** - (T8 Low) **V** - (T5HO)	**PRS** - (Program Rapid Start) **DIM** - (Dimming) *UNI and Step Down only	(See Below)

OPTIONS (Add to catalog number in order shown)

❶ Power Cords
6C - 6' PCord 300V 16/3 SJTOOW NO PLUG
6C4 - 6' PCord 300V 18/4 SJTOW NO PLUG
6W - 6' WHIP PCord 600V 16/3 NO PLUG
2P - 8' PCord 125V 15A 16/3 SJTOOW NEMA 5-15P
3P - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P
8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P
9T - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P
4T - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P
10T - 10' PCord 277V 15A 14/3 SJTOW NEMA L7-15P
10T2 - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P
10C - 10' PCord 277V SJTOOW NO PLUG
10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG
20C - 20' PCord 277V 20A 16/3 SJTOOW NO PLUG
20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG

AVAILABLE HANGING KITS (ordered separately)
EZHANGER - 15' adjustable aircraft cable hanging kit
LHKIT - Single Point Hook Mounting Kit complete

❷ Occupancy Sensors
TS1 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V.
TS1C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V
TS4 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V
TS4C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V

Use a program rapid start ballast with occupancy sensor. TCP is not responsible for lamps failing prematurely due to an occupancy sensor being used with an instant start ballast.

❸ Emergency Ballasts
20B1 - TCP 450 LMS 90 min (T8)
20B6 - TCP 700 LMS 90 min (T8)
20B5 - TCP 1400 LMS 90 min (T8 or T5)
20BL5 - TCP 800 LMS 90 min (T5)
20BL6 - TCP 1350 LMS 90 min (T5)

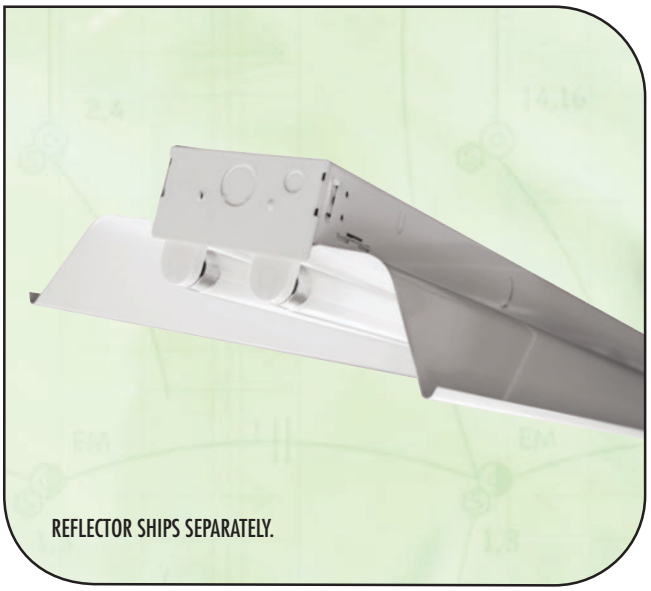
Emergency Ballast Notes:
Orders with an emergency ballast must include a note on the order indicating the number of lamps to be operated, which lamp(s) will be operated by the emergency ballast (i.e. 3rd lamp), and what voltage is to be used (i.e. 120V). See Emergency Ballast Spec Sheets for details.

❹ Special Mounting
HCB - Hub Connector Box - 3/4" Threaded Hub Mount

† If a desired lamp and/or ballast is needed in a TCP linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price to use the desired lamp and/or ballast.

Hooded Industrial T8/T5

ARRA Qualified



REFLECTOR SHIPS SEPARATELY.

Application

The Hooded Industrial is designed for surface or suspended mounting. The fixture is ideal for medium illumination levels and suitable for general task lighting. Suggested use for mounting heights up to 16′ requiring low to medium light levels. Ideal for light-duty task lighting, aisles, warehousing, storage and retail.

Description

The full body assembly accommodates multiple optics utilizing either T5 or T8 lamps. The Hooded Industrial's heavy duty 20 gauge housing is code gauge steel, and all components are post painted with a glossy, high reflectance white paint. Sockets include secure positioning rotating collars.

Reflector Optics

The Hooded Industrial's superior beam spread optic covers from narrow aisle lighting to open area general lighting. The fixture comes with a white hooded reflector.

Electrical

All ballasts are class P rated and UL/cUL listed. Our ballasts are also thermally protected, sound rated, and tightly secured by mounting bolts as well as NEMA Premium and CEE certified.

Finish

The baked white enamel finish is electrostatically applied and post painted with a glossy, highly reflective and durable white paint.

Aisle Lighter T8 and T5 Series

Maintenance
No tools required for lamp and ballast access.

Installation
Reflectors not pre-installed on fixture, some assembly required. Suspension by chain, cable, hook or monopoint with appropriate accessories.

Warranty
One year warranty against defects in manufacturing. See warranty page for extension options.

Listing
UL/cUL Listed - Suitable for damp locations.

Catalog Ordering Matrix

(Order Lamps Seperately)

Family	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
IS4 - 4' Hooded Industrial	**1 (4' Fixture Only)**	**32** - (T8 25-32W)	**UNI** - (120-277)	**H** - (T8 High)	**PRS** - (Program Rapid Start)	(See Below)
IS8 - 8' Hooded Industrial	**2 (4' or 8' Fixture)**	**54** - (T5HO 54W)	**347**	**N** - (T8 Normal)	**DIM** - (Dimming)	
	4 (8' Fixture Only)		**480** - T5 only	**L** - (T8 Low)		
			480X - Step Down	**V** - (T5HO)	*UNI and Step Down only	

OPTIONS (Add to catalog number in order shown)

❶ **Power Cords**
6C - 6' PCord 300V 16/3 SJTOOW NO PLUG
6C4 - 6' PCord 300V 18/4 SJTOW NO PLUG
6W - 6' WHIP PCord 600V 16/3 NO PLUG
2P - 8' PCord 125V 15A 16/3 SJTOOW NEMA 5-15P
3P - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P
8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P
9T - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P
4T - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P
10T - 10' PCord 277V 15A 14/3 SJTOW NEMA L7-15P
10T2 - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P
10C - 10' PCord 277V SJTOOW NO PLUG
10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG
20C - 20' PCord 277V 20A 16/3 SJTOOW NO PLUG
20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG

❷ **Occupancy Sensors**
TS1 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V.
TS1C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V
TS4 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V
TS4C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V

Use a program rapid start ballast with occupancy sensor. TCP is not responsible for lamps failing prematurely due to an occupancy sensor being used with an instant start ballast.

❸ **Emergency Ballasts**
20B1 - TCP 450 LMS 90 min (T8)
20B6 - TCP 700 LMS 90 min (T8)
20B5 - TCP 1400 LMS 90 min (T8 or T5)
20BL5 - TCP 800 LMS 90 min (T5)
20BL6 - TCP 1350 LMS 90 min (T5)

Emergency Ballast Notes:
Orders with an emergency ballast must include a note on the order indicating the number of lamps to be operated, which lamp(s) will be operated by the emergency ballast (i.e. 3rd lamp), and what voltage is to be used (i.e. 120V). See Emergency Ballast Spec Sheets for details.

❹ **Special Mounting**
HCB - Hub Connector Box - 3/4" Threaded Hub Mount

AVAILABLE HANGING KITS (ordered separately)
EZHANGER - 15' adjustable aircraft cable hanging kit
LHKIT - Single Point Hook Mounting Kit complete

† If a desired lamp and/or ballast is needed in a TCP linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price to use the desired lamp and/or ballast.

General Purpose Strip T8/T5

ARRA Qualified



Application

The General Purpose Strip is designed for surface or suspended mounting. The fixture is ideal for medium illumination levels and suitable for general task lighting. Suggested use for mounting heights up to 16' requiring low to medium light levels. Ideal for light-duty task lighting, aisles, warehousing, storage, and retail.

Description

The full body assembly accommodates multiple optics utilizing either T5 or T8 lamps. The General Purpose Strip's heavy duty 20 gauge housing is code gauge steel, and all components are post painted with a glossy, high reflectance white paint. Sockets include secure positioning rotating collars.

Reflector Optics

The General Purpose Strip is available using a specular aluminum (SA) Miro®4 or a white aluminum (WA) ballast cover, which have a 25 year warranty.

Electrical

All ballasts are class P rated and UL/cUL listed. Our ballasts are also thermally protected, sound rated, and tightly secured by mounting bolts as well as NEMA Premium and CEE certified.

Finish

The baked white enamel finish is electrostatically applied and post painted with a glossy, highly reflective and durable white paint.

General Purpose Strip T8 and T5 Series

Maintenance
No tools required for lamp and ballast access.

Installation
Suspension by chain, cable, hook or monopoint with appropriate accessories.

Warranty
One year warranty against defects in manufacturing. See warranty page for extension options.

Listing
UL/cUL Listed - Suitable for damp locations.

Catalog Ordering Matrix

(Order Lamps Seperately)

Family	Ballast Cover	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
GP4 - 4' General Purpose Strip **GP8** - 8' General Purpose Strip	**SA** - Specular Aluminum **WA** - White Aluminum	**1 (4' Fixture Only)** **2 (4' or 8' Fixture)** **4 (8' Fixture Only)**	**32** - (T8 25-32W) **54** - (T5HO 54W)	**UNI** - (120-277) **347** **480** - T5 only **480X** - Step Down	**H** - (T8 High) **N** - (T8 Normal) **L** - (T8 Low) **V** - (T5HO)	**PRS** - (Program Rapid Start) **DIM** - (Dimming) *UNI and Step Down only	(See Below)

OPTIONS (Add to catalog number in order shown)

❶ Power Cords
6C - 6' PCord 300V 16/3 SJTOOW NO PLUG
6C4 - 6' PCord 300V 18/4 SJTOW NO PLUG
6W - 6' WHIP PCord 600V 16/3 NO PLUG
2P - 8' PCord 125V 15A 16/3 SJTOOW NEMA 5-15P
3P - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P
8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P
9T - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P
4T - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P
10T - 10' PCord 277V 15A 14/3 SJTOW NEMA L7-15P
10T2 - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P
10C - 10' PCord 277V SJTOOW NO PLUG
10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG
20C - 20' PCord 277V 20A 16/3 SJTOOW NO PLUG
20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG

❷ Occupancy Sensors
TS1 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V.
TS1C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V
TS4 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V
TS4C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V

Use a program rapid start ballast with occupancy sensor. TCP is not responsible for lamps failing prematurely due to an occupancy sensor being used with an instant start ballast.

❸ Emergency Ballasts
20B1 - TCP 450 LMS 90 min (T8)
20B6 - TCP 700 LMS 90 min (T8)
20B5 - TCP 1400 LMS 90 min (T8 or T5)
20BL5 - TCP 800 LMS 90 min (T5)
20BL6 - TCP 1350 LMS 90 min (T5)

Emergency Ballast Notes:
Orders with an emergency ballast must include a note on the order indicating the number of lamps to be operated, which lamp(s) will be operated by the emergency ballast (i.e. 3rd lamp), and what voltage is to be used (i.e. 120V). See Emergency Ballast Spec Sheets for details.

❹ Special Mounting
HCB - Hub Connector Box - 3/4" Threaded Hub Mount

AVAILABLE HANGING KITS (ordered separately)
EZHANGER - 15' adjustable aircraft cable hanging kit
LHKIT - Single Point Hook Mounting Kit complete

† If a desired lamp and/or ballast is needed in a TCP linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price to use the desired lamp and/or ballast.

Y-HOOK Hanger

Mounting instructions for TCP lighting fixtures, using Y-Hook hangers.

Item Number	Description-Hanging Kit
TCPYHOOKX10FT	Y-Hook 10 Ft.
TCPYHOOKX20FT	Y-Hook 20 Ft.
TCPYHOOKX10FTSS	Y-Hook 10 Ft. Stainless Steel

TCPYHOOKX10FT

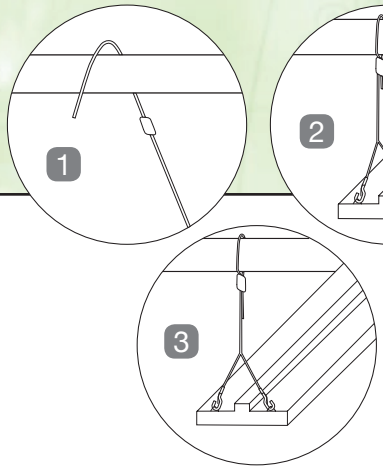
Components included with each kit:

2 - 10' or 20' Aircraft Cable with 'Y" split and two hooks

2 - Grip Fastener

Recommended use for:
Modified Green Hi-Bay
Sky Bay
Polar Bay

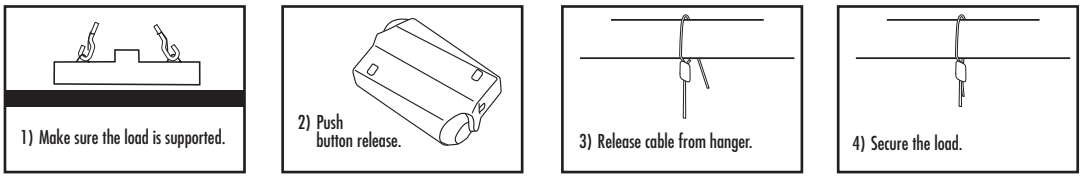
Available in stainless.



Mounting Instuctions:

1) Thread hanger onto grip and passover ceiling anchor point.
2) Pass tail end of cable through the other channel of the hanger and with fixture supported, snap hooks onto fixture
3) Adjust to proper height by pulling cable through either end of the hanger.

How to use release key to adjust fixture



EZHANGER

EZHANGER for TCP High Bay Fixtures

- Use for dual point hanging

Item Number	Description-Hanging Kit
EZHANGER	15 Ft.
EZHANGER20FT	20 Ft.
EZHANGERSS	15 Ft. Stainless Steel

EZHANGER

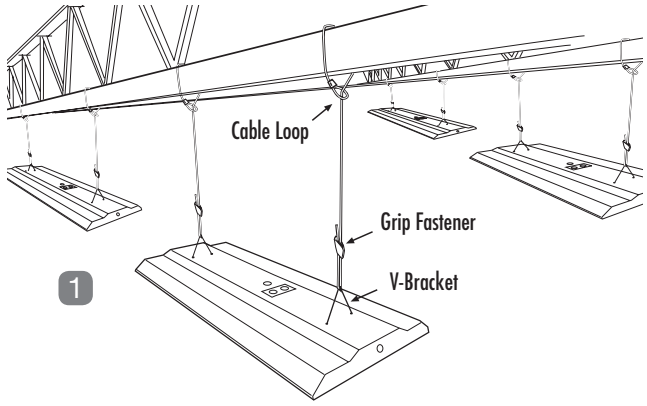
Components included with each kit:

- 2 - 15' #2 Aircraft Cable with crimped loop
- 2 - Grip Fastener

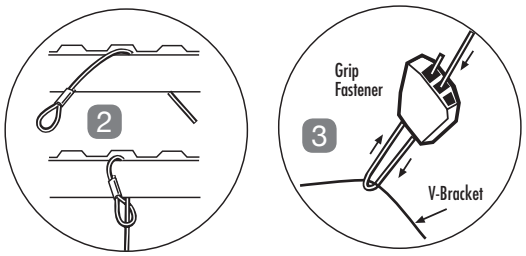
Recommended use for:
Elite
Power Cage
Power Strip

Available in stainless.

Mounting Instuctions:



1) Attach V-Bracket to fixture body through pre-punched holes
2) Loop cable around strut, joist, eye-bolt or solid ceiling structure
3) Feed cable through grip fastener and adjust to desired mounting height



Hub Connector Box

Instruction Sheet for Hub Connector Box for TCP High Bay Fixtures

- Use for single point pendant mount 3/4" NPT
  Item Number: HUBCONNECTORBOX

Hub Connector Box

Components included with each kit:

- 1 - Hub Connector Top
- 1 - Hub Connector Plate
- 1 - Hub Connector Bottom
- Mounting Hardware

GENERAL:
Once receiving the fixture, thoroughly inspect for any freight damage, which should be brought to the attention of the delivery carrier. Compare the catalog description listed on the packing slip with the fixture label on the housing to assure you have received the correct product.

SAFETY:
This fixture must be wired in accordance with the national electrical code and applicable local codes and ordinance. Proper ground wiring is required to insure personal safety. Carefully observe grounding procedure under installation section. All work should be done by a qualified electrician.

RISK OF FIRE:
DO NOT USE IN HAZARDOUS CLASSIFIED LOCATIONS. Failure to do so could result in explosions and fire.

TO BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY. USE SUPPLY WIRE RATED MINIMUM 90˚C.

WARNING:

Make certain power is OFF before starting installation or attempting any maintenance.

DIRECTIONS:

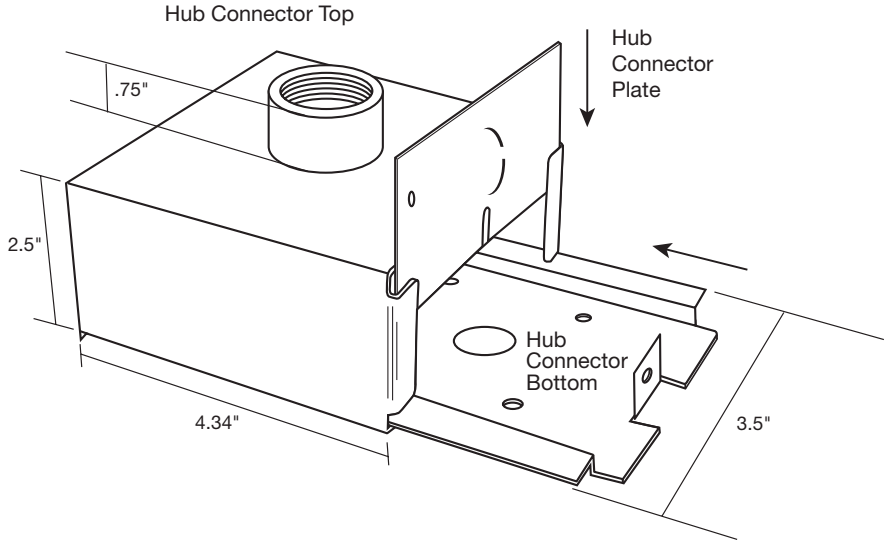
1. Hub Connector Bottom piece will come attached to fixture. Please make sure the Hub Connector Bottom is tightly fastened to the fixture, as it might become loose during transit.

2. Thread Hub Connector Top piece (box with ¾" threading) on ¾" conduit or other approved supporting means.

3. Slide hub connector bottom, which is attached to the fixture, through the hub connector top, which is attached to ¾" conduit or other approved supporting mean.
   a. NOTE: Make sure when sliding the hub connector bottom piece onto the hub connector top that the screw tab is exposed for the hub connector plate.

4. Connect proper supply voltage lead to proper fixture voltage lead. Connect common leads. Connect ground (green) wire to suitable grounding. Use wire nuts or other approved connector for all electrical connections.
   a. WARNING: Improper wiring may result in ballast failure and fire. Improper wiring voids all warranties.

5. Carefully fold electrical leads into the hub connector box. Slide hub connector plate thru the slots of the hub connector top grooves. Tighten screw into plate screw hole.



Latch Hook Kit

Latch Hook Kit for TCP High Bay Fixtures

- Use for single point hanging
  TCP Item Number: LHKIT

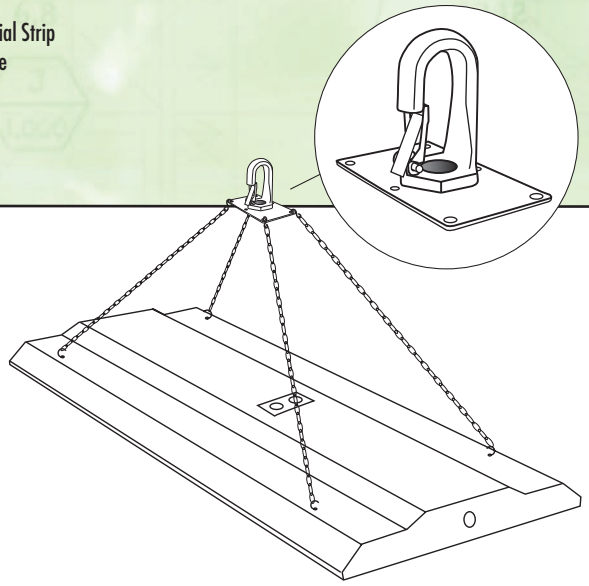
Latch Hook Kit

Components included with each kit:

- 1 - Fixture Hook Male
- 1 - Single Mounting Bar
- 4 - 24" long Chains
- 8 - S-hooks

Recommended use for:

Elite	Hooded Industrial Strip
Power Cage	General Purpose
Power Strip	Polar Bay
Aisle Lighter	



Mounting Instuctions:

1) Attach fixture hook to existing structural support.

2) Use S-hooks to attach chain supports to the fixture body and the chain support hub.



Fixture Reference Guide and Mounting Heights

Fixture Reference Guide

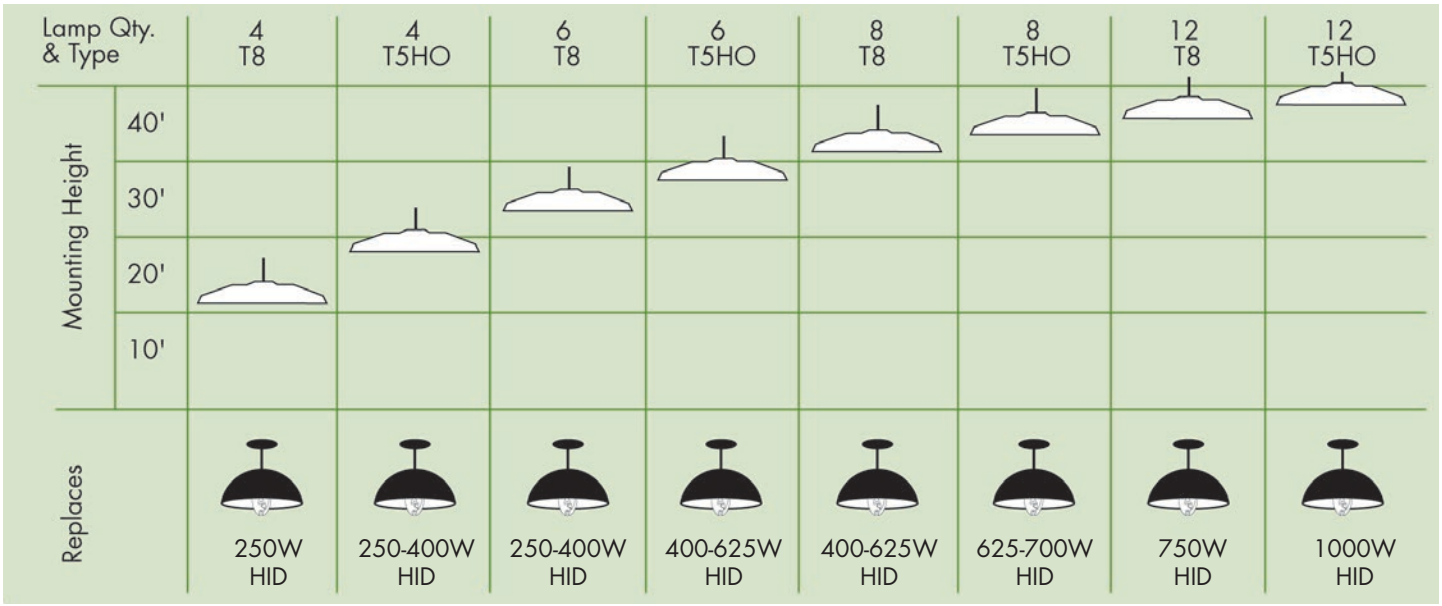
Fixture	Warehousing	Commercial Facilities	Manufacturing Facilities	Open Aisle Locations	Stack Aisle Locations	Food Processing Facilities	Light-Duty Tasks / Aisles	Medium-Duty Tasks / Aisles	Kitchens	Retail Stores	Big Box Retail	Exterior Retail	Subways	Schools	Public Areas	Parking Garages	Storage	Cold Storage	Gas Stations	Government Facilities	Industrial Facilities
Elite	X	X	X	X	X		X	X		X	X						X				X
Modified Green Hi-Bay	X	X	X	X	X		X	X		X	X						X				X
Stairwell		X								X			X	X	X	X				X	
Sky Bay	X	X	X	X	X						X										X
Power Cage	X	X	X	X	X		X	X			X						X				X
Power Strip	X	X	X	X	X						X						X				X
Aisle Lighter	X				X		X	X		X							X				X
Wet Location						X			X			X	X	X	X	X		X	X	X	X
Polar Bay						X			X			X	X	X	X	X		X	X	X	X
General Purpose Strip	X				X		X			X							X				

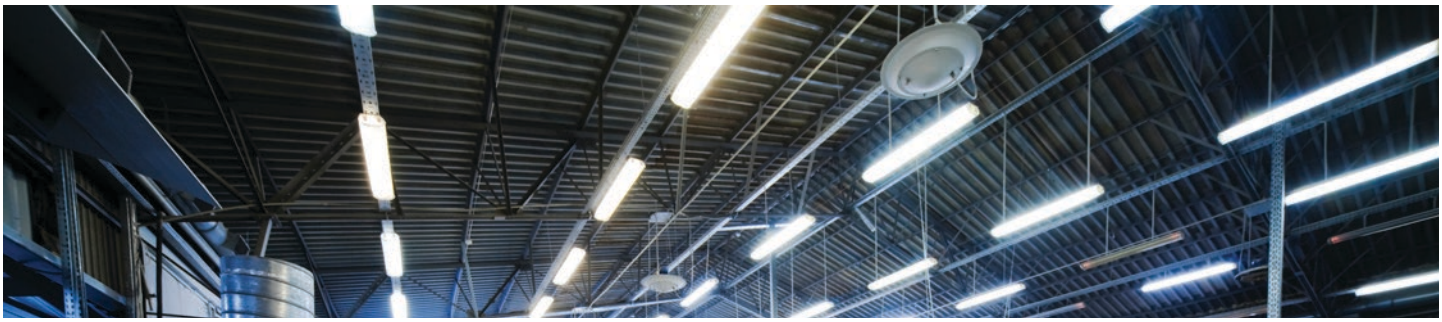
Mounting Heights

	Mounting Heights
General Purpose Strip	6′ - 16′
Wet Location	8′ - 35′
Aisle Lighter	12′ - 35′
Elite	10′ - 40′
Polar Bay	15′ - 40′
Power Cage	15′ - 40′
Power Strip	15′ - 40′
Sky Bay	20′ - 110′



Application Matrix





Got a question?

Use the following link to find the answer!

LED Luminaire Questions?

Linear Questions?

Linear Item Setup Requests?

HID Questions?

Lighting Layout Requests?

AskLightingSystems@tcpi.com



Linear Warranties



TCP warrants its products to abide by their respective published specifications and are free from defectss in material, workmanship and title and to operate from the date of Invoice (or date of manufacture if invoice date is not known or available) for the time periods and subject to the Terms and Conditions specified below.

This warranty only applies when TCP products are operated as specified, have been correctly wired and installed; are operated within the electrical values publicized on the all labels; used in lighting equipment designed and approved for the application and in environmental conditions (temperature, humidity, and air movement) within the normal specified operating range of the system.

Terms and Conditions:

TCP Lamps only

Two years from Date of Invoice[1] (or Date of Manufacture if proof of purchase is not available). If lamps fail within this warranty period, TCP will provide a free one for one lamp replacement. No labor allowance is allowed. TCP reserves the right to request defective lamps be returned for testing and verification.

TCP Ballasts only

Five years from Date of Invoice[2] (or Date of Manufacture if proof of purchase is not available). If ballasts fail within this warranty period, TCP will provide a free one for one ballast replacement. TCP reserves the right to request defective ballasts be returned for testing and verification.

Linear Fluorescent Lamp with Instant Start Ballast Limited Warranty

This limited warranty is for a period two (2) years from the date of invoice (or date of manufacture if proof of purchase is not available), with all components to be ordered, assembled, and shipped from a TCP location. This only applies to TCP components; for non-TCP components, the supplier or manufacturer must be contacted for warranty claims. Any repair, alteration or modification of the product, including replacement of product components with components of other manufacturers will void the warranty in its entirety. TCP reserves the right to request the return of all allegedly defective products or components for testing and verification.

Linear Fluorescent Lamp with Program Rapid Start Ballast Limited Warranty

This limited warranty is for a period of two (2) years from the date of invoice (or date of manufacture if proof of purchase is not available), with all components to be ordered, assembled, and shipped from a TCP location. This only applies to TCP components; for non-TCP components, the supplier or manufacturer must be contacted for warranty claims. Any repair, alteration or modification of the product, including replacement of product components with components of other manufacturers will void the warranty in its entirety. TCP reserves the right to request the return of all allegedly defective products or components for testing and verification.

TCP Combination Lamp and Ballast System Limited Warranty

This limited warranty is for a period of five (5) years from the date of registration, with all components to be ordered, assembled, and shipped from a TCP location. This only applies to TCP components; for non-TCP components, the supplier or manufacturer must be contacted for warranty claims. Any repair, alteration or modification of the product, including replacement of product components with components of other manufacturers will void the warranty in its entirety. TCP reserves the right to request the return of all allegedly defective products or components for testing and verification.

Fluorescent Ballast/LED Driver Limited Warranty

This limited warranty is for a period of five (5) years from the date of invoice (or date of manufacture if proof of purchase is not available), with all components to be ordered, assembled, and shipped from a TCP location. This only applies to TCP components; for non-TCP components, the supplier or manufacturer must be contacted for warranty claims. Any repair, alteration or modification of the product, including replacement of product components with components of other manufacturers will void the warranty in its entirety. TCP reserves the right to request the return of all allegedly defective products or components for testing and verification.

These lamp and ballast warranties do not apply to failures caused by acts of God, or as a result of any abuse, misuse, abnormal use, or use in violation of any applicable standard, code, or instructions for use in installations including those contained in the National Electrical Code (NEC), the Standards for Safety of Underwriters Laboratory, Inc. (UL), Standards for the American National Standards Institute (ANSI) or, in Canada, the Canadian Standards Association (CSA). Technical Consumer Products reserves the right to inspect failed lamps, and/or ballasts to determine the cause of failure and patterns of lamp usage. The date of purchase and lamp installation date must be verified to validate the elapsed operating hours if a warranty claim is made.

Return of Defective Products

After contacting TCP and receiving a Return Authorization Number, the user shall promptly return the product within 30 days at the customer's expense to TCP after receiving instructions as to if, when and where to ship product. Failure to follow this procedure voids this warranty.

The foregoing shall constitute the exclusive remedy of the purchaser and the sole liability of Technical Consumer Products for lamp and ballast warranties. NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE OR IS TO BE IMPLIED. In no event shall Technical Consumer Products be liable for any other cost of damages including lost profits, incidental, special or consequential damages. TCP reserves the right to examine all failed lamps and/or ballasts and reserves the right to be the sole judge as to whether any lamps and/or ballasts are defective and covered under this warranty.

* All data in this catalog is subject to change without notice. Consult tcpi.com for the latest warranty & specification information.

LED LUMINAIRES INDOOR



LED E-SERIES

LED PREMIER SERIES

LED DESIGNER SERIES

LED Indoor Luminaires

TCP LED lay-in troffers are high efficiency alternatives to T12 and T8 linear fluorescent troffers. With 50,000 hours of excellent color consistency and superior lumen maintenance, TCP is the obvious choice for LED troffers.

Applications:

- Offices
- Restaurants
- Retail Stores
- Lobbies
- Schools
- Hospitals
- Any Grid Ceiling

FEATURES / BENEFITS

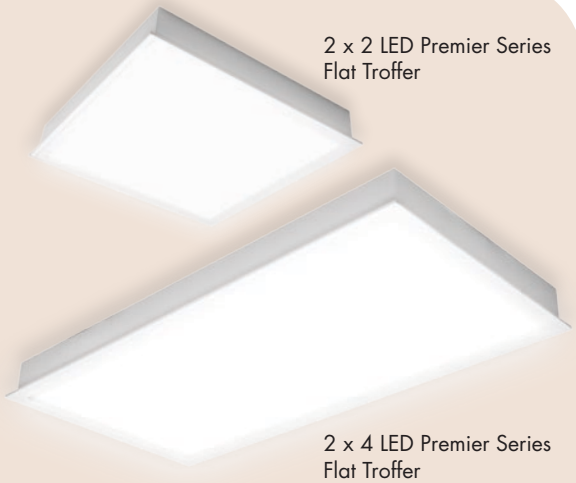
- High efficiency alternative to T12 and T8 linear fluorescent troffers
- Excellent color consistency and superior lumen maintenance
- Long life: 50,000 hours
- Smooth, uniform dimming (120V)*
- UL/cUL listed

*See tcpi.com for dimming compatibility.



2 x 2 LED E-Series Flat Troffer

2 x 4 LED E-Series Flat Troffer



2 x 2 LED Premier Series Flat Troffer

2 x 4 LED Premier Series Flat Troffer



2 x 2 LED Designer Series Volumetric Troffer

2 x 4 LED Designer Series Volumetric Troffer



LED E-Series

TCP's LED E-Series gives you the appearance of fluorescent technology with a tube-like glow. Your cost effective solution to maximize savings, while still taking advantage of utility rebates.

TCP E-Series 2x2 LED Flat Panel Troffer



2' x 2' LED Flat Panel Troffer

Installation
Grid ceiling mounted. Flat edge design provides mounting into standard 1" and 9/16" tee bar grids. Before installation, please consult your local ordinances and building codes for compliance.

Warranty
Five years against defects in manufacturing.

Listing
UL/cUL listed.

Application

The TCP LED lay-in troffers are high efficiency alternatives to T8 and T12 linear fluorescent troffers. Our intelligent high performance LED light engines and drivers deliver long life, consistent color, and superior lumen maintenance. Applications include offices, schools, retail locations, hospitals, and any other grid ceiling.

Construction

The TCP LED troffer is constructed of rugged cold-rolled steel, post painted with a highly diffuse white finish. End plates are designed to mount in a variety of grid ceiling types. The diffuser is a one piece impact resistant acrylic which provides a wide distribution.

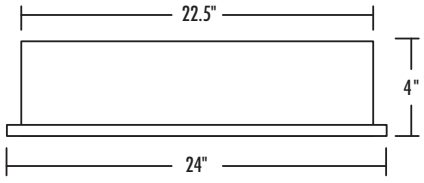
Electrical

All electrical components are UL/cUL listed. TCP high efficiency drivers provide consistent power to ensure even lighting from the long life LEDs. Each driver is matched to a light engine to deliver 50,000 hours life. Full range dimming is optional.

Optics

The one piece flat acrylic diffuser comes in two styles, opaque or A12 clear prismatic. The opaque lens provides an even glow while the clear prismatic lens mimics the look of traditional prismatic troffers.

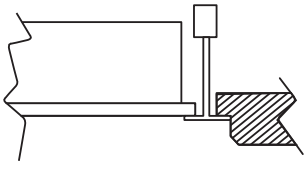
Dimensions and Mounting Data



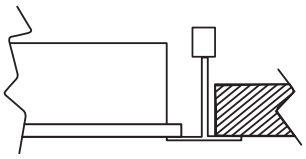
Length: 24"
Width: 24"
Depth: 4"

All dimensions are in inches unless otherwise specified.

9/16



15/16



Catalog Ordering Matrix — 32 combinations available

Brand	Family	Size	Voltage and Controls	Lumen Package (Power)	Color
TCPE - TCP E-Series	**TRF** - Flat Opaque **TRP** - Flat Prismatic	**2** – 2' x 2'	**UNI** - 120V-277V **120DIM** - 120V, Line Dim	**20** - 2000 Lumens (24W) **40** - 4000 Lumens (48W)	**30K** - 3000K **35K** - 3500K **41K** - 4100K **50K** - 5000K

TCP E-Series 2x4 LED Flat Panel Troffer



2' x 4' LED Flat Panel Troffer

Installation
Grid ceiling mounted. Flat edge design provides mounting into standard 1" and 9/16" tee bar grids. Before installation, please consult your local ordinances and building codes for compliance.

Warranty
Five years against defects in manufacturing.

Listing
UL/cUL listed.

Application

The TCP LED lay-in troffers are high efficiency alternatives to T8 and T12 linear fluorescent troffers. Our intelligent high performance LED light engines and drivers deliver long life, consistent color, and superior lumen maintenance. Applications include offices, schools, retail locations, hospitals, and any other grid ceiling.

Construction

The TCP LED troffer is constructed of rugged cold-rolled steel, post painted with a highly diffuse white finish. End plates are designed to mount in a variety of grid ceiling types. The diffuser is a one piece impact resistant acrylic which provides a wide distribution.

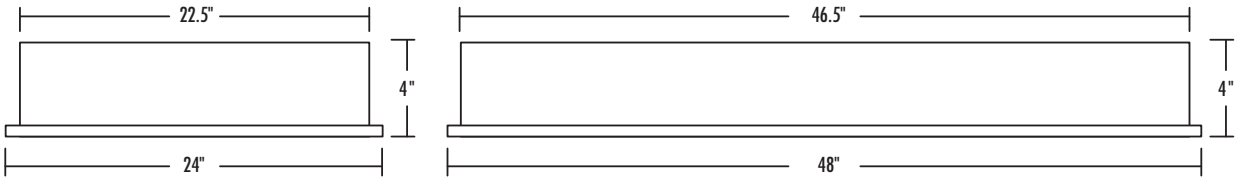
Electrical

All electrical components are UL/cUL listed. TCP high efficiency drivers provide consistent power to ensure even lighting from the long life LEDs. Each driver is matched to a light engine to deliver 50,000 hours life. Full range dimming is optional.

Optics

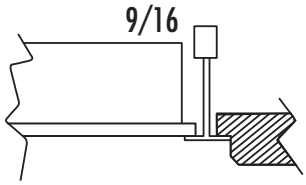
The one piece flat acrylic diffuser comes in two styles, opaque or A12 clear prismatic. The opaque lens provides an even glow while the clear prismatic lens mimics the look of traditional prismatic troffers.

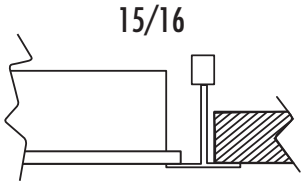
Dimensions and Mounting Data



Length: 48"
Width: 24"
Depth: 4"

All dimensions are in inches unless otherwise specified.





Catalog Ordering Matrix — 32 combinations available

Brand	Family	Size	Voltage and Controls	Lumen Package (Power)	Color
TCPE - TCP E-Series	**TRF** - Flat Opaque **TRP** - Flat Prismatic	**4** - 2' x 4'	**UNI** - 120V-277V **120DIM** - 120V, Line Dim	**40** - 4000 Lumens (45W) **68** - 6800 Lumens (70W)	**30K** - 3000K **35K** - 3500K **41K** - 4100K **50K** - 5000K

LED Premier Series

TCP's LED Premier Series gives you full body, full panel diffusion, with the appearance of a soft warm glow.

TCP Premier Series 2x2 LED Flat Panel Troffer



2' x 2' LED Flat Panel Troffer

Installation
Grid ceiling mounted. Flat edge design provides mounting into standard 1" and 9/16" tee bar grids. Before installation, please consult your local ordinances and building codes for compliance.

Warranty
Five years against defects in manufacturing.

Listing
UL/cUL listed.

Application

The TCP LED lay-in troffers are high efficiency alternatives to T8 and T12 linear fluorescent troffers. Our intelligent high performance LED light engines and drivers deliver long life, consistent color, and superior lumen maintenance. Applications include offices, schools, retail locations, hospitals, and any other grid ceiling.

Construction

The TCP LED troffer is constructed of rugged cold-rolled steel, post painted with a highly diffuse white finish. End plates are designed to mount in a variety of grid ceiling types. The diffuser is a one piece impact resistant acrylic which provides a wide distribution.

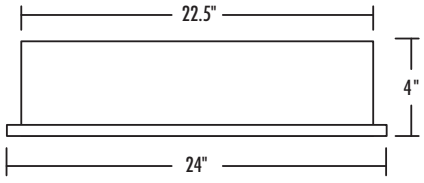
Electrical

All electrical components are UL/cUL listed. TCP high efficiency drivers provide consistent power to ensure even lighting from the long life LEDs. Each driver is matched to a light engine to deliver 50,000 hours life. Full range dimming is optional.

Optics

The one piece flat acrylic diffuser comes in two styles, opaque or A12 clear prismatic. The opaque lens provides an even glow while the clear prismatic lens mimics the look of traditional prismatic troffers.

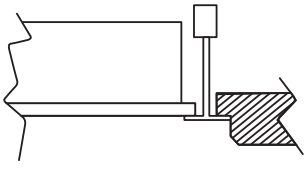
Dimensions and Mounting Data



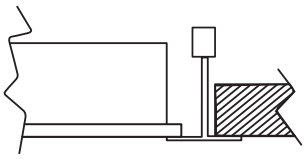
Length: 24"
Width: 24"
Depth: 4"

All dimensions are in inches unless otherwise specified.

9/16



15/16



Catalog Ordering Matrix — 32 combinations available

Brand	Family	Size	Voltage and Controls	Lumen Package (Power)	Color
TCP - TCP Premier	**TRF** - Flat Opaque **TRP** - Flat Prismatic	**2 – 2' x 2'**	**UNI** - 120V-277V **120DIM** - 120V, Line Dim **UNIREM** - 120V-277V, Remote Dim (2014) **347** - 347V	**32** - 3200 Lumens (35W) **40** - 4000 Lumens (45W)	**30K** - 3000K **35K** - 3500K **41K** - 4100K **50K** - 5000K

TCP Premier Series 2x4 LED Flat Panel Troffer



2' x 4' LED Flat Panel Troffer

Installation
Grid ceiling mounted. Flat edge design provides mounting into standard 1" and 9/16" tee bar grids. Before installation, please consult your local ordinances and building codes for compliance.

Warranty
Five years against defects in manufacturing.

Listing
UL/cUL listed.

Application

The TCP LED lay-in troffers are high efficiency alternatives to T8 and T12 linear fluorescent troffers. Our intelligent high performance LED light engines and drivers deliver long life, consistent color, and superior lumen maintenance. Applications include offices, schools, retail locations, hospitals, and any other grid ceiling.

Construction

The TCP LED troffer is constructed of rugged cold-rolled steel, post painted with a highly diffuse white finish. End plates are designed to mount in a variety of grid ceiling types. The diffuser is a one piece impact resistant acrylic which provides a wide distribution.

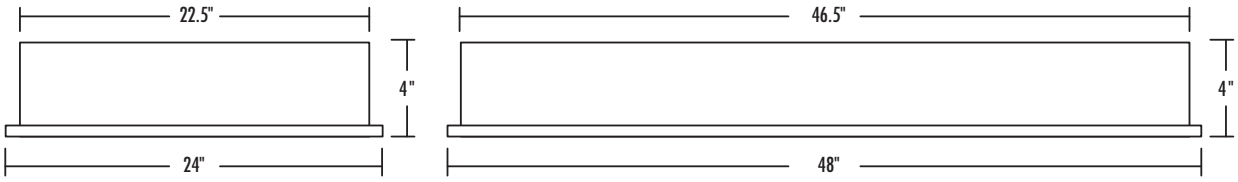
Electrical

All electrical components are UL/cUL listed. TCP high efficiency drivers provide consistent power to ensure even lighting from the long life LEDs. Each driver is matched to a light engine to deliver 50,000 hours life. Full range dimming is optional.

Optics

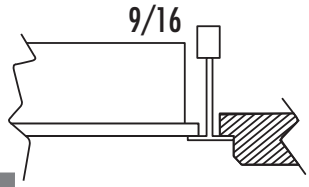
The one piece flat acrylic diffuser comes in two styles, opaque or A12 clear prismatic. The opaque lens provides an even glow while the clear prismatic lens mimics the look of traditional prismatic troffers.

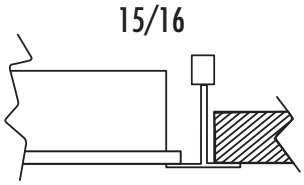
Dimensions and Mounting Data



Length: 48"
Width: 24"
Depth: 4"

All dimensions are in inches unless otherwise specified.





Catalog Ordering Matrix — 48 combinations available

Brand	Family	Size	Voltage and Controls	Lumen Package (Power)	Color
TCP - TCP Premier	**TRF** - Flat Opaque **TRP** - Flat Prismatic	**4** – 2' x 4'	**UNI** - 120V-277V **120DIM** - 120V, Line Dim	**40** - 4000 Lumens (45W) **68** - 6800 Lumens (70W) **80** - 8000 Lumens (80W)	**30K** - 3000K **35K** - 3500K **41K** - 4100K **50K** - 5000K

LED Designer Series

When appearance is most important, TCP's LED Designer Series turns any location into something truly exceptional.

TCP Designer Series 2x2 LED Volumetric Troffer



2′ x 2′ LED Volumetric Lay-In Troffer

Installation
Grid ceiling mounted. Edge design provides mounting into standard 1″ and 9/16″ tee bar or screw slot grids. Before installation, please consult your local ordinances and building codes for compliance.

Warranty
Five years against defects in manufacturing.

Listing
UL/cUL Listed - suitable for indoor applications.

Application

The TCP LED lay-in troffers are high efficiency alternatives to T8 and T12 linear fluorescent troffers. Our intelligent high performance LED light engines and drivers deliver long life, consistent color, and superior lumen maintenance. Applications include offices, schools, retail locations, hospitals, and any other grid ceiling.

Construction

The TCP LED troffer is constructed of rugged cold-rolled steel, post painted with a highly diffuse white finish. End plates are designed to mount in a variety of grid ceiling types. The diffuser is a one piece impact resistant acrylic which provides a wide distribution.

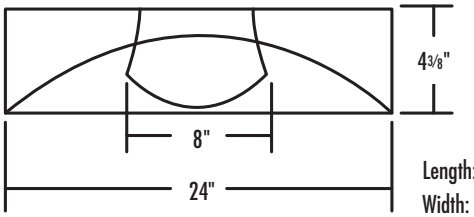
Electrical

All electrical components are UL/cUL listed. TCP high efficiency drivers provide consistent power to ensure even lighting from the long life LEDs. Each driver is matched to a light engine to deliver 50,000 hours life. Full range dimming is optional.

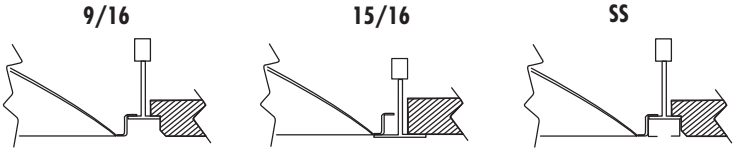
Optics

The one piece acrylic diffuser conceals the LEDs while providing even light distribution across the luminaire. The smooth white reflector curves into the diffuser, creating volumetric illumination by softening and distributing the light evenly in a wide pattern. The curved design also softens the contrast between the luminaire and ceiling.

Dimensions and Mounting Data



Length: 24″
Width: 24″
Depth: 4-3/8″



All dimensions are in inches unless otherwise specified.

Catalog Ordering Matrix — 24 combinations available

Brand	Family	Size	Voltage and Controls	Lumen Package (Power)	Color
TCP - TCP Designer	**TRV** - Volumetric	**2** – 2' x 2'	**UNI** - 120V-277V **120DIM** - 120V, Line Dim	**22** - 2200 Lumens (22.5W) **35** - 3500 Lumens (40W) **44** - 4400 Lumens (45W)	**30K** - 3000K **35K** - 3500K **41K** - 4100K **50K** - 5000K

TCP Designer Series 2x4 LED Volumetric Troffer



2′ x 4′ LED Volumetric Lay-In Troffer

Installation
Grid ceiling mounted. Edge design provides mounting into standard 1″ and 9/16″ tee bar or screw slot grids. Before installation, please consult your local ordinances and building codes for compliance.

Warranty
Five years against defects in manufacturing.

Listing
UL/cUL Listed - suitable for indoor applications.

Application

The TCP LED lay-in troffers are high efficiency alternatives to T8 and T12 linear fluorescent troffers. Our intelligent high performance LED light engines and drivers deliver long life, consistent color, and superior lumen maintenance. Applications include offices, schools, retail locations, hospitals, and any other grid ceiling.

Construction

The TCP LED troffer is constructed of rugged cold-rolled steel, post painted with a highly diffuse white finish. End plates are designed to mount in a variety of grid ceiling types. The diffuser is a one piece impact resistant acrylic which provides a wide distribution.

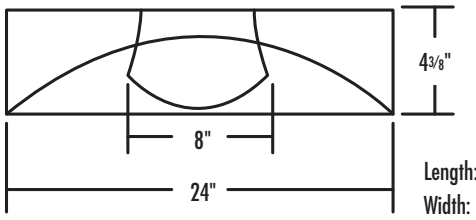
Electrical

All electrical components are UL/cUL listed. TCP high efficiency drivers provide consistent power to ensure even lighting from the long life LEDs. Each driver is matched to a light engine to deliver 50,000 hours life. Full range dimming is optional.

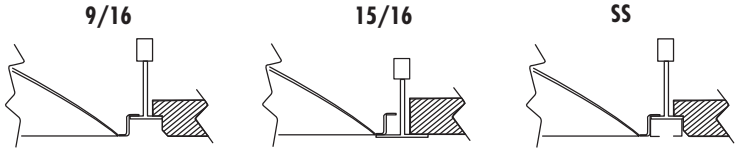
Optics

The one piece acrylic diffuser conceals the LEDs while providing even light distribution across the luminaire. The smooth white reflector curves into the diffuser, creating volumetric illumination by softening and distributing the light evenly in a wide pattern. The curved design also softens the contrast between the luminaire and ceiling.

Dimensions and Mounting Data



Length: 48"
Width: 24"
Depth: 4-3/8"



All dimensions are in inches unless otherwise specified.

Catalog Ordering Matrix — 24 combinations available

Brand	Family	Size	Voltage and Controls	Lumen Package (Power)	Color
TCP - TCP Designer	**TRV** - Volumetric	**4** – 2' x 4'	**UNI** - 120V-277V **120DIM** - 120V, Line Dim	**44** - 4400 Lumens (45W) **70** - 7000 Lumens (72W) **86** - 8600 Lumens (97W)	**30K** - 3000K **35K** - 3500K **41K** - 4100K **50K** - 5000K

TCP

LED LUMINAIRES OUTDOOR



LED FLOOD LIGHTING LED WALL PACKS LED AREA LIGHTING

LED Outdoor Luminaires

Our LED luminaires are the energy efficient alternatives to metal halide and fluorescent fixtures. They are designed to last longer while increasing the amount of light output and reducing the amount of energy used to power them.

Applications:

Parking Garages
Warehouses
Big Box Retailers
Stairwells
Building Facades
Walk-in Coolers
City Streets
Parking Lots
Outdoor Lighting
General Lighting

FEATURES / BENEFITS

- Long life: 50,000 hours
- LM80 certified LEDs
- UL/cUL listed
- Low maintenance
- Excellent color consistency and superior lumen maintenance
- Energy efficient

LED Floodlighting



45W LED FESTIVAL FLOOD LIGHT
45W Flood Light



45W LED FESTIVAL SPOT LIGHT
45W Spot Light

LED Area Lighting



100W LED METRO STREET LIGHT
100W Shoebox Light

LED Wall Packs



45W LED BLAZER WALL PACK
45W Outdoor Wall Pack



100W LED BLAZER WALL PACK
100W Outdoor Wall Pack



30W LED BLAZER WALL PACK
30W Outdoor Wall Pack



100W LED BLAZER WALL PACK
100W Outdoor Wall Pack



20W LED BLAZER WALL PACK
20W Outdoor Wall Pack

LED Flood Lights



TCPFESTIVALWF

45W LED FESTIVAL FLOOD LIGHT
45W / 2600 Lumens

Great for any application where you need to evenly light a large area. Great for lighting over-head highway signs.

L 13.8″ W 10.4″ H 5.0″



TCPFESTIVALNS

45W LED FESTIVAL SPOT LIGHT
45W / 2600 Lumens

Perfect for flag-pole lighting, security lighting and lighting caves.

L 13.18″ W 10.4″ H 5.0″

LED Area Lights



TCPMETRO60H

100W LED METRO STREET LIGHT
100W / 6500 Lumens

This specification grade area light provides an energy efficient solution for use in parking lots, roadways, pathways and general area lighting. Mounts to 2.5″ diameter steel poles.

- Ideal mounting < 25 Ft.
- Tested to LM 79 & LM 80
- IP 65 Rated, UL Wet Location
- Replaces 250MH

L 20″ W 16.5″ H 6.9″





Many of our products are DLC, please visit designlights.org for the most up to date product listing.



TCPBLAZER50

45W LED BLAZER WALL PACK
45W / 2500 Lumens

Medium wall pack with impact resistant non-yellowing lens provides maximum light output. Great for security lighting, building entrances and over doorways.

- Tested to LM 79 & LM 80
- IP 65 Rated, UL Wet Location
- Replace 150-250W Metal Halide
- Height Dependant

L 14″ W 9″ H 7″



TCPBLAZER100

100W LED BLAZER WALL PACK
100W / 5500 Lumens

Large wall pack with same impact resistant non-yellowing lens as our TCPBLAZER50. Perfect for lighting larger areas.

L 17″ W 9.375″ H 9″



TCPBLAZER35

30W LED BLAZER WALL PACK
30W / 1950 Lumens

Fully shielded design is dark sky compliant. Great for security lighting, building entrances and over doorways.

- Tested to LM 79 & LM 80
- IP 65 Rated, UL Wet Location
- Replaces 150-250W Metal Halide
- Height Dependant

L 14″ W 9″ H 11.5″



TCPBLAZER105

100W LED BLAZER WALL PACK
100W / 7000 Lumens

Same great design as our TCPBLAZER35. It's perfect when you need to light a large area.

L17″ W 13.75″ H 9.125″



TCPBLAZER25



20W LED BLAZER WALL PACK
20W / 1125 Lumens

Small wall pack with impact resistant non-yellowing lens provides maximum light output. Great for security lighting, building entrances and over doorways.

- Tested to LM 79 & LM 80
- IP 65 Rated, UL Wet Location
- Replaces 100W Metal Halide
- Height dependant

L 13″ W 7.75″ H 5.5″

EXIT & EMERGENCY



Exit & Emergency
(All LED options)

From die cast aluminum to sleek injection-molded high-impact thermoplastic units, TCP has the perfect solution for you for the following applications:

- Theaters
- Malls
- Schools
- Commercial Buildings
- Office Buildings
- Multi-unit Residential Buildings
- Hotels and more!

FEATURES / BENEFITS

- Long LED lamp life of 25 years and very low energy consumption.
- Our battery backup units feature either a maintenance-free nickel-cadmium battery or sealed lead acid battery; both offering an expected life of up to 10 years.
- 7 year battery warranty on NiCad battery
- We offer signs for every application



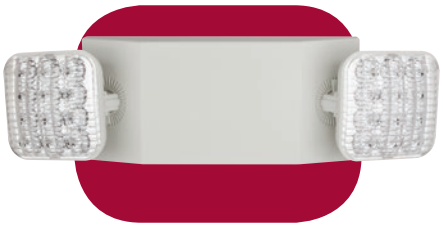
All LED Die-Cast Aluminum COMBO
(LEDDCDRALCOMBO)



All LED COMBO Signs
(LED20784)



All LED Light Stream COMBO
(LEDPCUGWRC)



LED Low Profile Thermoplastic Emergency Light
(LEDWEL)



All LED Wet Location Rated Emergency Decorative Unit
(Also available in Cold Location)
(WLBSDT)



LED Remote Heads
(LEDRH2)



Snap-on All LED Combo
(LEDRWRC)

All LED Combo Signs

All LED Emergency Lighting

Item Number	TCP Traditional Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (Inches)	Exit Color	AC/Battery Backup	Housing Color	Temperature Range	Battery	Stocking or Special
All LED Combo Signs												
 (Add "B" to the end of Part # for Black Housing Version. ex. LED20723B)												
LED20723	20723	White LED Combo Universal Face,Red, White Housing	3	8	16.2	2.1	red	NiCd BBUP	white	32F to 122F	207B3	ST
LED20725	20725	White LED Combo Universal Face,Green, White Housing	3	8	16.2	2.1	green	NiCd BBUP	white	32F to 122F	207B3	ST
LED20784	20784	White LED Combo Universal Face,Red, White Housing, Remote Capable	3	8	16.2	2.1	red	NiCd BBUP	white	32F to 122F	207B3	ST
LED20785	20785	White LED Combo Universal Face,Green, White Housing, Remote Capable	3	8	16.2	2.1	green	NiCd BBUP	white	32F to 122F	207B3	ST
Accessories												
LEDRH1		Led Combo Remote Head, Single Head, SDT										
LEDRH2		Led Combo Remote Head, Double Head, SDT										
LEDRH1WLSDT		Led Combo Remote Head, Single Head, Wet Location, SDT										
LEDRH2WLSDT		Led Combo Remote Head,Double Head, Wet Location, SDT										
All LED Emergency Lighting												
												
LEDWEL	20760, 20761	White LED Emergency Light	3	3.5	9	2.1		BBUP	white		207B3	ST
LEDWELRC	20765	White LED Emergency Light Remote Capable	3	3.5	9	2.1		BBUP	white		207B3	ST
LEDWELSDT	20766SD	White LED Emergency Light, SDT	3	3.5	9	2.1		BBUP	white		207B3	ST
LEDWELRCSDT	20765, 20766SD	White LED Emergency Light, White Remote Capable,SDT	3	3.5	9	2.1		BBUP	white		207B3	SP
LED Emergency Lighting Remote Heads												
												
LEDEL1SDT	207R1	LED Emergency Lighting Remote Head Single SDT	1	5	3	3			white			ST
LEDEL2SDT	207R2	LED Emergency Lighting Remote Head Double SDT	1.5	5	8	3			white			ST
LEDEL1SDTWL		LED Emergency Lighting Single Remote Head Wet Location SDT	1	5	3	3			white			ST
LEDEL2SDTWL		LED Emergency Lighting Double Remote Head Wet Location SDT	1.5	5	8	3			white			SP
Black LED Emergency Lighting												
												
LEDWELB	20762, 20763D	LED Emergency Lighting Black	3	3.5	9	2.1			Black			ST
LEDWELRCB		LED Emergency Lighting, Black, Remote Capable	3	3.5	9	2.1			Black			ST
LEDWELSDTB		LED Emergency Lighting, Black,SDT	3	3.5	9	2.1			Black			SP
LEDWELRCSDTB		LED Emergency Lighting Black Remote Capable SDT	3	3.5	9	2.1			Black			SP
Black LED Emergency Lighting Remote Heads												
												
LEDEL1SDTB		LED Emergency Lighting Remote Head, Single, Black	1	5	3	3			Black			ST
LEDEL2SDTB		LED Emergency Lighting Remote Head, Double, Black	1.5	5	8	3			Black			ST
LEDEL1SDTWLB		LED Emergency Lighting Remote Head, Black, Wet Location SDT, Single	1	5	3	3			Black			SP
LEDEL2SDTWLB		LED Emergency Lighting Remote Head, Black, Wet Location SDT, Double	1.5	5	8	3			Black			SP

Call for availability on Special (SPC)

Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (Inches)	Housing Color	AC/Battery Backup	Battery	Stocking or Special
Wet Location Die Cast Emergency Light									
WLBSDT	WET LOCATION, DIE CAST EMERGENCY LIGHT, BLACK SDT, LED	8	7.3	8.5	10.5	BL	BBUP	207B3	ST
WLBRSDT	WET LOCATION, DIE CAST EMERGENCY LIGHT, BRONZE, SDT,LED	8	7.3	8.5	10.5	BRONZE	BBUP	207B3	ST
WLWSDT	WET LOCATION, DIE CAST EMERGENCY LIGHT, WHITE, SDT,LED	8	7.3	8.5	10.5	WH	BBUP	207B3	SP
WLBSDTCW	WET LOCATION, DIE CAST EMERGENCY LIGHT, BLACK SDT, LED, COLD WEATHER	8	7.3	8.5	10.5	BL	BBUP	207B3	ST
WLBRSDTCW	WET LOCATION, DIE CAST EMERGENCY LIGHT, BRONZE, SDT, LED, COLD WEATHER	8	7.3	8.5	10.5	BRONZE	BBUP	207B3	SP
WLWSDTCW	WET LOCATION, DIE CAST EMERGENCY LIGHT, WHITE, SDT, LED, COLD WEATHER	8	7.3	8.5	10.5	WH	BBUP	207B3 207B3	SP
LED Die Cast Combo									
LEDDCDRALCOMBO	COMBO DIE CAST, DOUBLE FACE,RED,BBUP,LED, ALUMINUM FACE,BODY	5	8.2	9.1	8.2	ALUMINUM	BBUP	207B3	ST
LEDDCDRWCOMBO	COMBO DIE CAST DOUBLE FACE RED BBUP, WHITE FACE AND BODY	5	8.2	9.1	8.2	WH	BBUP	207B3	SP
LEDDCGALCOMBO	COMBO DIE CAST, DOUBLE FACE,GREEN,BBUP,LED, ALUMINUM FACE,BODY	5	8.2	9.1	8.2	ALUMINUM	BBUP	207B3	SP
LEDDCGWCOMBO	COMBO DIE CAST DOUBLE FACE GREEN BBUP, WHITE FACE AND BODY	5	8.2	9.1	8.2	WH	BBUP	207B3	SP

Wet Location Emergency Light

LED Die Cast Combo







Call for availability on Special (SPC)

Polycarbonate LED Exit Signs

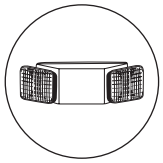
Polycarbonate Emergency Lights

Polycarbonate Led Exit Signs, 120 or 277 Voltage, Damp Location



Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (Inches)	Lamp Life (Yrs.)	Exit Color	AC/Battery Backup	Single/Double Face	Housing Color	Temperature Range	Number Of Lamps	Replacement Lamp / Battery	Exit Plate Color	Battery Runtime (Min)	Certifications	Stocking or Special
22742	Red LED Exit Sign Universal AC Only White Housing	2.4	7.25	11.8	1.8	25	red	AC Only	D	white	50F to 104F	N/A	N/A	N/A	90	NFPA LIFE Safety Code 101, NEC, ETL	STK
22743	Red LED Exit Sign Universal Battery Backup White Housing	2.3	7.25	11.8	1.8	25	red	BBUP	D	white	50F to 104F	N/A	207B2	N/A	90	NFPA LIFE Safety Code 101, NEC, ETL	STK
22745	Green LED Exit Sign Universal Battery Backup White Housing	2.3	7.25	11.8	1.8	25	green	BBUP	D	white	50F to 104F	N/A	207B3	N/A	90	NFPA LIFE Safety Code 101, NEC, ETL	STK
22747	Red LED Exit Sign Universal Battery Backup Black Housing	2.4	7.25	11.8	1.8	25	red	BBUP	D	black	50F to 104F	N/A	207B2	N/A	90	NFPA LIFE Safety Code 101, NEC, ETL	STK
22749	Green LED Exit Sign Universal Battery Backup Black Housing	2.4	7.25	11.8	1.8	25	green	BBUP	D	black	50F to 104F	N/A	207B3	N/A	90	NFPA LIFE Safety Code 101, NEC, ETL	STK
20750	Red LED Exit Sign Dual Circuit	4	8.5	12.25	1.75	25	red	AC Only	D	white	-4°F to 113°F	N/A	N/A	N/A		UL 924, NFPA LIFE Safety Code 101	STK
20751	Green LED Exit Sign Dual Circuit	2	8.5	12.25	1.75	25	green	AC Only	D	white	-4°F to 113°F	N/A	N/A	N/A		UL 924, NFPA LIFE Safety Code 101	STK
20743 DRM	Red LED Exit Sign Universal Battery Backup White Housing Remote Capable	3.2	10	13	2.75	25	red	BBUP	D	white	-4°F to 113°F	N/A	20734	N/A	90	UL 924, NFPA LIFE Safety Code 101, ETL Listed, NEC, OSHA	STK
20745 DRM	Green LED Exit Sign Universal Battery Backup White Housing Remote Capable	2	10	13	2.75	25	green	BBUP	D	white	-4°F to 113°F	N/A	20734	N/A	90	UL 924, NFPA LIFE Safety Code 101, ETL Listed, NEC, OSHA	STK

Polycarbonate Emergency Lights, 120 or 277 Voltage, Damp Location



Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (Inches)	Lamp Life (Yrs.)	Exit Color	AC/Battery Backup	Single/Double Face	Housing Color	Temperature Range	Number Of Lamps	Replacement Lamp / Battery	Exit Plate Color	Battery Runtime (Min)	Certifications	Stocking or Special
20760	Emergency Light 2 x 5.4W Square Heads, White Finish	10.8	5	16	3.5	N/A	N/A	BBUP	N/A	white	20° to 95°F	2	6V 5.4W 939/ 20734	N/A	90	UL/ETL Listed	STK
207606	6-Pack Emergency Light 2 x 5.4W Square Heads, White Finish	10.8	5	16	3.5	N/A	N/A	BBUP	N/A	white	20° to 95°F	2	6V 5.4W 939/ 20734	N/A	90	UL/ETL Listed	STK
20765	Emergency Light 2 x 5.4W Square Heads, White Finish w/ Remote Capability	10.8	5	16	3.5	N/A	N/A	BBUP	N/A	white	20° to 95°F	2	6V 5.4W 939/ 20739	N/A	90	UL/ETL Listed	STK
21760	Emergency Light 2 x 5.4W Fixed Prismatic Heads White	10.8	5	12	2.5	N/A	N/A	BBUP	N/A	white	20° to 95°F	2	6V 54W DC T5/ 20734		90	UL/ETL Listed	STK
21762	Emergency Light 2 x 5.4W Fixed Prismatic Heads Black	10.8	5	12	2.5	N/A	N/A	BBUP	N/A	black	20° to 95°F	2	6V 54W DC T5/ 20734		90	UL/ETL Listed	STK

Accessories for Poly LED Exit Signs

207WG	Wire Guard for Exit Sign
207WGWH	White Wire Guard for Exit Sign
207PS	Polycarbonate shield for Exit Sign
207B2	Ni-Cd Battery 2.4V 300 mAh
207B3	Ni-Cd Battery 3.6V 300 mAh
20734	Lead Acid Battery 6V 4.5 Ah
20704	Plastic Exit Canopy

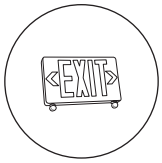
Call for availability on Special (SPC)

Accessories for Poly Emergency Lights

207WG	Wire Guard for Exit Sign
207R1	Single White Remote Head 6W 6V
207R2	Double White Remote Head 6W 6V
207R3	Single Grey Remote Waterpoof Head 5.4W 6V
207R4	Double Grey Remote Waterproof Head 2 X 5.4W 6V
20734	Lead Acid Battery 6V 4.5 Ah In-terminals
20734J	Lead Acid Battery 6V 4.5 Ah Out-terminals
20739	Lead Acid Battery 6V 10 Ah

Polycarbonate Emergency / Exit Combination Signs, 120 or 277 Voltage, Damp Location

Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (Inches)	Lamp Life (Yrs.)	Exit Color	AC/Battery Backup	Single/Double Face	Housing Color	Temperature Range	Number Of Lamps	Replacement Lamp / Battery	Exit Plate Color	Battery Runtime (Min)	Certifications	Stocking or Special
20684	Full LED Exit/Em. Combo Red Letters, White Housing	1	7.48	12.2	1.65	25+	red	BBUP	double	white	32° to 100°F	2	206HDS/ 207B4	N/A	90	UL 924 Listed	STK
20685	Full LED Exit/Em. Combo Green Letters, White Housing	1	7.48	12.2	1.65	25+	green	BBUP	double	white	32° to 100°F	2	206HDS/ 207B4	N/A	90	UL 924 Listed	STK
20723	2 Headed Adjustable LED Economy Exit/Em. Combo Red Letters, White Housing	4	10	22	2.75		red	BBUP	double	white	68° to 104°	2	939/ 20734	N/A	90	UL/ETL Listed	STK
207232	2 Pack 2 Headed Adjustable LED Economy Exit/Em. Combo Red Letters, WH Hs	4	10	22	2.75		red	BBUP	double	white	68° to 104°	2	939/ 20734	N/A	90	UL/ETL Listed	STK
20784	2 Headed Adjustable LED Exit/Em. Combo Red Letters with White Housing, Remote Capability	4	15.6	21.6	4.5	25	red	BBUP	double	white	5° to 104°F	2	6V 5.4W 939/20734	N/A	90	UL/ETL Listed	STK
20784RM	2 Headed Adjustable LED Exit/Em. Combo Red Letters, White Housing with Remote Test	4	15.6	21.6	4.5	25	red	BBUP	double	white	5° to 104°F	2	6V 5.4W 939/20734	N/A	90	UL/ETL Listed	STK
20785	2 Headed Adjustable LED Exit/ Em. Combo GRN Letters, White Housing, Remote Capability	2	15.6	21.6	4.5	25	green	BBUP	double	white	5° to 104°F	2	6V 5.4W 939/20734	N/A	90	UL/ETL Listed	STK
20794	2 Headed Adjustable LED Exit/Em. Combo Red Letters, Black Housing	4	15.6	21.6	4.5	25	red	BBUP	double	black	5° to 104°F	2	6V 5.4W 939/20734	N/A	90	UL/ETL Listed	STK
20795	2 Headed Adjustable LED Exit/Em. Combo GRN Letters, Black Housing	2	15.6	21.6	4.5	25	green	BBUP	double	black	5° to 104°F	2	6V 5.4W 939/20734	N/A	90	UL/ETL Listed	STK



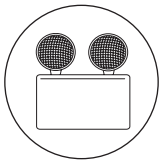


Accessories

207LWG	Large Wire Guard for Exit Sign	206HDS	White LED Emergency Heads
207R1	Single White Remote Head 6W 6V	207B4	Ni-Cd Battery 4.8VDC
207R2	Double White Remote Head 6W 6V	20703	Plasic Exit Canopy LED Combo
207R3	Single Grey Remote Waterpoof Head 5.4W 6V	206FPWH	Faceplate LED Combo
207R4	Double Grey Remote Waterproof Head 2 X 5.4W 6V		
207RT	Hand Held Remote Test Unit		
20734	Lead Acid Battery 6V 4.5 Ah In-Terminals		

Heavy Duty Emergency Lighting, 120 or 277 Voltage, Damp Location

20775	50 Watt 6V Heavy Duty Emergency Light Unit w/ 35W Remote Capacity	50/ 35	14	12.5	3	N/A	N/A	BBUP	N/A	off-white	-40° to 50°C	2	6V 7.2W/ 20739	N/A	90	UL 924, NFPA LIFE Safety Code 101, ETL Listed	SPC
20776	50 Watt 12V Heavy Duty Emergency Light Unit w/ 32W Remote Capacity	50/ 32	14	12.5	3	N/A	N/A	BBUP	N/A	off-white	-40° to 50°C	2	12V 9W/ 20739	N/A	90	UL 924, NFPA LIFE Safety Code 101, ETL Listed	SPC



Accessories

207R1	Single White Remote Head 6W 6V
207R2	Double White Remote Head 6W 6V
207R3	Single Grey Remote Waterpoof Head 5.4W 6V
207R4	Double Grey Remote Waterproof Head 2 X 5.4W 6V
20739	Lead Acid Battery 6V 10 Ah

Call for availability on Special (SPC)

Wet Location Exit/Emergency
Diecast Exits
Steel LED Exits
Emergency Lights & Combos

Wet Location Exit And Emergency Lighting, 120 or 277 Voltage, Wet Location



Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (Inches)	Lamp Life (Yrs.)	Exit Color	AC/Battery Backup	Single/Double Face	Housing Color	Temperature Range	Number Of Lamps	Replacement Lamp / Battery	Exit Plate Color	Battery Runtime (Min)	Certifications	Stocking or Special
23500	Wet Location Single Face LED Exit Red Letters Battery Backup	3	12	12	5.25	25	red	BBUP	single	white	0° to 40°C	2	20732	N/A	90	NFPA Life Safety 101, NEC, OSHA, NEMA 4	SPC
23501	Wet Location Single Face LED Exit GRN Letters Battery Backup	3	12	12	5.25	25	green	BBUP	single	white	0° to 40°C	2	20732	N/A	90	NFPA Life Safety 101, NEC, OSHA, NEMA 4	SPC
23503	Wet Location Emergency Unit Battery Back-up 2 - 7.2W 6V heads	14	12.5	9.75	6	N/A	n/a	BBUP	n/a	white	0° to 40°C	2	6V 7.2W/ 20739	N/A	90	NFPA Life Safety 101, NEC, OSHA, NEMA 4	SPC
23504	Wet Location Red LED Exit Emergency Combo Battery Backup	3	18	12	5.25	25	red	BBUP	single	white	0° to 40°C	2	6V 5.4W 939/	N/A	90	NFPA Life Safety 101, NEC, OSHA, NEMA 4	SPC
23505	Wet Location GRN LED Exit Emergency Combo Battery Backup	3	18	12	5.25	25	green	BBUP	single	white	0° to 40°C	2	6v 5.4W 939/	N/A	90	NFPA Life Safety 101, NEC, OSHA, NEMA 4	SPC

Accessories

20732	Ni-Cd Battery 4.8V 1000 Mah	20739	Lead Acid Battery 6V 10 Ahv

Diecast Exit Signs, 120 or 277 Voltage, Damp Location (Continued on next page)



26D90	Diecast Exit Sign Red Single Face AC Only	3.6	9	13.25	1.9	25	red	AC Only	single	black	-0° to 50°F	N/A	N/A	N/A	N/A	UL/ETL Listed	SPC
26D91	Diecast Exit Sign Green Single Face AC Only	4.4	9	13.25	1.9	25	green	AC Only	single	black	-0° to 50°F	N/A	N/A	N/A	N/A	UL/ETL Listed	SPC
26D93	Diecast Exit Sign Red Double Face AC Only	3.6	9	13.25	1.9	25	red	AC Only	double	black	-0° to 50°F	N/A	N/A	N/A	N/A	UL/ETL Listed	SPC
26D94	Diecast Exit Sign Green Double Face AC Only	4.4	9	13.25	1.9	25	green	AC Only	double	black	-0° to 50°F	N/A	N/A	N/A	N/A	UL/ETL Listed	SPC
26L90	Diecast Exit Sign Red Single Face Battery Backup	3.6	9	13.25	1.9	25	red	BBUP	single	black	-0° to 50°F	N/A	20730	N/A	90	UL/ETL Listed	SPC
26L91	Diecast Exit Sign Green Single Face Battery Backup	4.4	9	13.25	1.9	25	green	BBUP	single	black	-0° to 50°F	N/A	20730	N/A	90	UL/ETL Listed	SPC
26L93	Diecast Exit Sign Red Double Face Battery Backup	3.6	9	13.25	1.9	25	red	BBUP	double	black	-0° to 50°F	N/A	20730	N/A	90	UL/ETL Listed	SPC
26L94	Diecast Exit Sign Green Double Face Battery Backup	4.4	9	13.25	1.9	25	green	BBUP	double	black	-0° to 50°F	N/A	20730	N/A	90	UL/ETL Listed	SPC

Accessories

20730	Ni-Cd Battery 4.8V 650 mAh	207WGWH	White Wire Guard for Exit Sign

Steel LED Exit Signs, 120 or 277 Voltage, Damp Location



27L98	Steel LED Red Universal Battery Backup Exit Sign	5	7.63	12.1	2.3	25	red	BBUP	double	white	-4°to 113°F	N/A	27L BATTERY	N/A	90	UL/ETL Listed	SPC
27L99	Steel LED Green Universal Battery Backup Exit Sign	5	7.63	12.1	2.3	25	green	BBUP	double	white	-4°to 113°F	N/A	27L BATTERY	N/A	90	UL/ETL Listed	SPC

Accessories

207WG	Wire Guard for Exit Sign	27LBATTERY	NiCd Battery 7.2V .64H
207WGWH	White Wire Guard for Exit Sign		

Steel Led Exit / Emergency Combo Signs, 120 or 277 Voltage, Damp Location



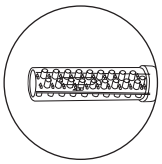
27090	Steel Red LED Universal Exit Emergency Combo	2.5	13	12.3	2.3	25	red	BBUP	S	white	5° to 104°F	2	4W Par36/ 20739	N/A	90	UL/ETL Listed	SPC
27091	Steel Green LED Universal Exit Emergency Combo	2.5	13	12.3	2.3	25	green	BBUP	S	white	5° to 104°F	2	4W Par36/ 20739	N/A	90	UL/ETL Listed	SPC

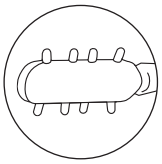
Accessories

20739	Lead Acid Battery 6V 10 Ah

LED Retrofit Kits & Accessories

Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (Inches)	Lamp Life (Yrs.)	Voltage	Exit Color	Number Of Lamps	LED Retrofit Kit Base Type	Certifications	Stocking or Special
20710	One Red LED Exit Retrofit Lamp	.7	4.75	1.25	1.25	10+	120	red	1	candelabra	UL, cUL, UL924	STK
20711	One Red LED Exit Retrofit Lamp Kit With 2 Base Adapters	.7	4.75	1.25	1.25	10+	120	red	1	candelabra	UL, cUL, UL924	STK
20715	Two Red LED Exit Retrofit Lamps With 4 Base Adapters 120 Use Only	1.2	4.75	1.25	1.25	10+	120	red	2	candelabra	ETL, CETL Listed to UL 924 Standards	STK
20716	Red LED Exit Retrofit Kit Hardwire 120/277	1.2	4.75	1.65	0.6	10+	120 or 277	red	2	hardwire	ETL, CETL Listed to UL 924 Standards	STK
20717	Two Green LED Exit Retrofit Lamps With 4 Base Adapters 120 Use Only	.7	5.6	6.9	1	10+	120	green	2	candelabra	ETL, CETL Listed to UL 924 Standards	STK
20718	Green LED Exit Retrofit Kit Hardwire 120/277	.7	4.75	1.65	0.6	10+	120 or 277	green	2	hardwire	ETL, CETL Listed to UL 924 Standards	STK
20719	Two White LED Exit Retrofit Lamp, 4 Base Adapters, 120 Use Only	1.7	4.75	1.65	.6	10+	120	white	2	candelabra	ETL, CETL Listed to UL 924 Standards	STK
20720	Two Red LED Exit Retrofit Lamps, 4 Base Adapters, 2 Red Diffuser Panels	.7	5.6	6.9	1	10+	120	red	2	candelabra	ETL, CETL Listed to UL 924 Standards	STK
20721	White LED Exit Retrofit Kit Hardware 1201277	1.8	4.75	6.9	1	10+	120 or 277	white	2	hardwire	ETL, CETL Listed to UL 924 Standards	STK
20797	Socket Adapter Candelabra to Medium Base		1	0.50 dia								SPC
20798	Socket Adapter Candelabra to Intermediate Base		1	0.50 dia								SPC
20799	Socket Adapter Candelabra to Bayonet Base		1	0.50 dia								SPC





Exit Accessories

Item Number	Item Description	Height (Inches)	Width (Inches)	Depth (Inches)	Rating	Finish	Number of Lamps	Replacement Lamp / Battery	Stocking or Special
207R1	Single WH Remote Head 6W 6V	7	5	5	Damp Location	white	1	939	STK
207R2	Double WH Remote Head 6W 6V	7	13	5	Damp Location	white	2	939	STK
207R3	Single Grey Remote Waterproof Head 5.4W 6V	4.8	4.75	4.5	Waterproof	grey	1	939	STK
207R4	Double Grey Remote Waterproof Head 2 X 5.4W 6V	6.75	10.25	4.5	Waterproof	grey	2	939	STK
207B2	Ni-Cd Battery 2.4V 300 mAh	1.96	1.10	0.55	Damp Location	yellow			SPC
207B3	Ni-Cd Battery 3.6V 300 mAh	1.96	1.10	0.98	Damp Location	yellow			SPC
207B4	Ni-Cd Battery 8.4V VDC	1.96	1.10	0.98	Damp Location	yellow			SPC
20729	Ni-Cd Battery 4.8V 400Ah	1.125	1.125	1.125	Damp Location	yellow			SPC
20730	Ni-Cd Battery 4.8V 650m Ah	3.875	1.125	0.625	Damp Location	yellow			SPC
20732	Ni-Cd Battery 4.8V 1000m Ah	1.7	2.6	0.6	Damp Location	black			SPC
20734	Lead Acid Battery 6V 4.5 Ah In-Terminals	4	2.75	1.813	Damp Location	black			SPC
20739	Lead Acid Battery 6V 10Ah	3.688	5.875	1.938	Damp Location	black			SPC



Call for availability on Special (SPC)

Exit Warranties

This TCP product (exceptions – batteries and self luminous; see below) is warranted for a period of five years from date of original purchase against defects in materials and workmanship. If these products should fail to operate due to materials and workmanship, simply return this to the place of purchase or to the TCP, Inc. service center (address on back of catalog) with its RGA as stated in the terms & conditions, and the product will be repaired or replaced at TCP's sole discretion. The warranty is expressly limited to repair or replacement of the product. No labor charge will be honored without prior written factory authorization. Damage incurred from handling or in transit is not covered by this guarantee. Claims for shipping damages must be filed with the carrier. This warranty gives the customer specific legal rights, which vary from state to state. Light bulbs are not covered under this warranty.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

Battery Type	Life Expectancy	Full Warranty
Sealed Lead Acid	8 years	1 year
Nickel Cadmium	10 years	7 years

*All data in this catalog is subject to change without notice.

NOTES:

- Special order (SPC) items may take up to 90 days to deliver. Please call for availability and lead times.
- Orders for special order items CANNOT BE CANCELLED.
- Orders for special order items CANNOT BE RETURNED.



Our people make the difference.

TCP's **knowledgeable sales and service team** are eager to assist you!

Polycarbonate




Polycarbonate Exit Signs:

FEATURES & BENEFITS
- All units damp location listed, UL and ETL Listed
- UL94 V-0 Injection molded construction
- Dual exit face plates are a standard feature
- 90 minutes of run time on all battery back-up units
- 120 or 277 VAC operation
- LED Lamp life of 25 years
- Comes with a mounting canopy for ceiling or wall mount applications

Polycarbonate Emergency Lighting:

FEATURES & BENEFITS
- All units damp location listed,UL and ETL Listed
- UL94 V-0 Injection molded construction
- 6V maintenance free battery provides 90 minutes of run time
- 120 or 277 VAC operation
- 20765 unit has capability for remote heads
- Features two 5.4W halogen lamps or MR16 lamps

Polycarbonate Combination Units:

FEATURES & BENEFITS
- All units damp location listed
- UL and ETL Listed
- UL94 V-0 Injection molded construction
- Dual exit face plates a standard feature
- 90 minutes of run time on all battery back-up units
- 120 or 277 VAC operation
- All combos come with an extra battery as a standard feature and can run up to 12W of remote heads
- LED lamp life of 25 years
- Comes with a mounting canopy for ceiling or wall mount applications

APPLICATIONS
- Industrial and commercial facilities

LED Retrofits



FEATURES & BENEFITS
- Consumes 1.2 watts per lamp, very energy efficient!
- Made to UL 924 specifications
- Kits come with up to 4 adapters for universal use
- High efficiency LED's available for crisp even illumination
- Screw-in LED replacement lamps suitable for 120V use only
- Hardwire kits available for 120V or 277 volt usage

APPLICATIONS
- Use in place of fluorescent and incandescent lamps inside exit signs

Heavy Duty | Wet Location





Heavy Duty Emergency Lighting:

FEATURES & BENEFITS
- All units damp location listed
- Environmentally coated solid state charger
- Automatic low voltage disconnect
- Compact low profile design in an attractive neutral finish
- 6-Volt premium grade maintenance free battery with remote capability
- 90 minutes of run time on all battery back-up units
- 120 or 277 VAC operation

Wet Location Exit & Emergency Lighting:

FEATURES & BENEFITS
- Units are NEMA 4 rated
- Temperature range 0°C to 40°C
- ABS corrosion resistant UV stabilized enclosure
- Meets NFPA Life Safety 101, NEC, OSHA, Local and State Codes
- 90 minutes of run time on all battery back-up units
- 120 or 277 VAC operation

APPLICATIONS
- Rugged environments, factories, schools

Diecast | EdgeLit Exit Signs





Diecast Exit Signs:

FEATURES & BENEFITS
- Specification grade design
- Available in white and brushed aluminum finishes, single or double face
- Universal knock out chevrons included
- Quick clip snap closure for front faceplate
- Universal mounting canopy included for easy installation
- 90 minutes of run time on all battery back-up units
- 120 or 277 VAC operation

APPLICATIONS
- Indoor locations
- Architectural grade buildings, churches

Edge-Lit Exit Signs:

FEATURES & BENEFITS
- UL and ETL listed
- Specification grade design
- 70 SKU's available for all your lighting needs
- Chevrons are included for easy installation in the field
- Surface mounted units can be installed top, back, or end mounted
- High efficiency panels with energy consumption of less than 3W for AC only and less than 5W for battery back-up units
- 90 minutes of run time on all battery back-up units
- 120 or 277 VAC operation

APPLICATIONS
- Indoor locations
- Architectural grade buildings, churches

Steel



Steel Exit Signs:

FEATURES & BENEFITS
- UL and ETL Listed
- Housing constructed of die formed, heavy gauge steel
- Dual exit face plates a standard feature
- 90 minutes of run time on all battery back-up units
- 120 or 277 VAC operation
- High output LED's provide even illumination
- LED Lamp life of 25 years
- Comes with a mounting canopy for ceiling or wall mount applications



Steel Emergency Lighting:

FEATURES & BENEFITS
- UL and ETL Listed
- Housing constructed of die formed, heavy gauge steel
- 6V maintenance free battery provides 90 min. run time
- 120 or 277 VAC operation
- Allows for 18 – 36 watts of extra capacity
- Emergency units furnished with adjustable high intensity 9W 12V PAR 36 heads
- Solid state charger with automatic brown out protection, low voltage disconnect, momentary test switch, and standard charge indicator lights all standard features

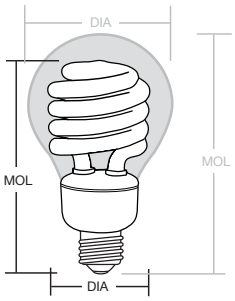
APPLICATIONS
- Industrial facilities, factories, rugged environments

Accessories

- Wire guards and polycarbonate shields are made of durable materials and are a vandalism deterrent for the emergency and exit line. Compatible with all TCP units.
- Wire guards available in white and silver finishes.
- Replacement batteries, canopies and faceplates available for all exit and emergency line units

PRODUCT IDENTIFICATION

Bulb Size



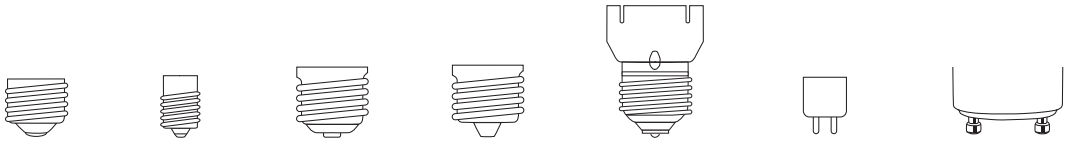
DIA: Diameter of bulb at widest point

MOL: Maximum overall length including base

Note: Lamp drawings are not drawn to scale. Be sure to check size and dimension information when identifying each lamp.

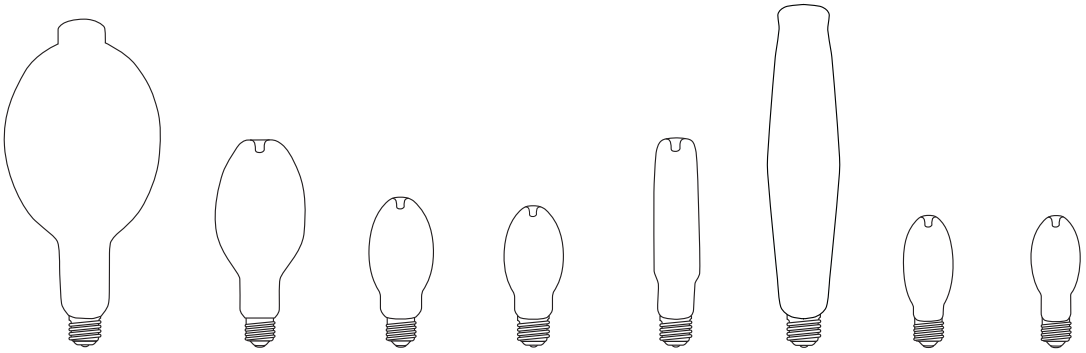
To convert inches to millimeters, multiply the dimension (in inches) by 25.4 (i.e. 1.5" x 25.4 = 38.1mm).

Base Types



Medium E26 | Candelabra E12 | Mogul E39 | Extended Mogul | Medium Skirt E26 / 60 x 39 | 2-Pin GU Base | GU 24 Base

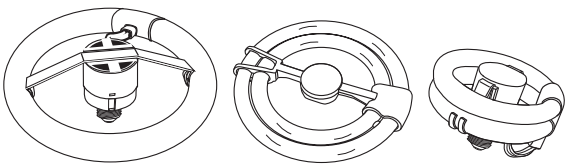
HID Lamp Shapes



BT56 Blown Tubular | ED37 Eliptical Dimpled | ED28 Eliptical Dimpled | ED23.5 Eliptical Dimpled | ED18 Eliptical Dimpled | E25 Eliptical | ED17 Eliptical Dimpled | EDX17 Narrow Neck (Open Fixture)

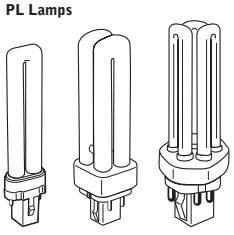
Compact Fluorescent Shapes

Circline



17030/27 Circline | 2D Replacement | 33 Watt Circline

PL Lamps

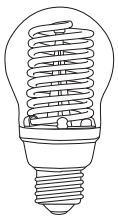


Twin Tube | Quad Tube | Triple Tube

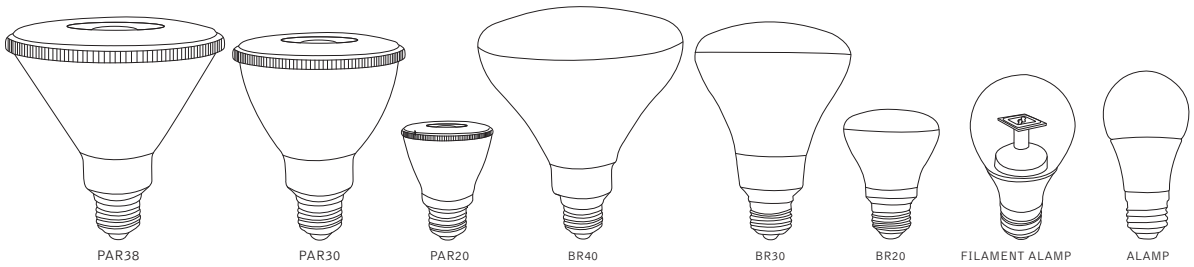
SpringLamp®

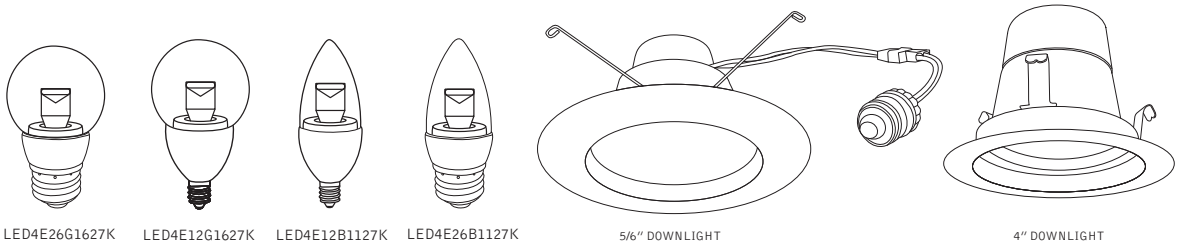


Cold Cathode

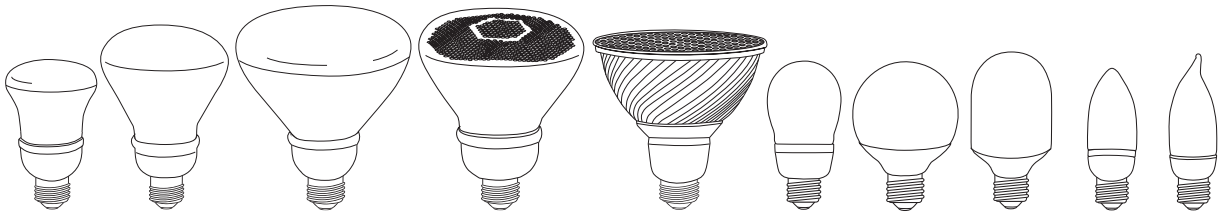


LED Shapes





Other Shapes



Light Level Recommendations

IES Recommended Light Levels

Type of Activity	Range of Illuminance (in footcandles)
Public spaces with dark surroundings	2 – 5 fc
Spaces for short temporary visits (typical hallway)	5 – 10 fc
Working spaces where visual tasks are only occasionally performed	10 – 20 fc
Ambient lighting for computer use	20 – 30 fc

Performance of visual tasks:

High contrast or large size (typical office work)	20 – 50 fc
Medium contrast or small size	100 – 200 fc
Low contrast or very small size	100 – 200 fc
Low contrast and very small size over a prolonged period	200 – 500 fc
Very prolonged and exacting visual tasks	500 – 1000 fc
Visual tasks of extremely low contrast and small size	1000 – 2000 fc

*Obtained by combination of general and task lighting

accent lighting
Directional lighting to emphasize a particular object or to draw attention to a part of the field of view. (See directional lighting.)

adaptation
The process by which the retina of the eye becomes accustomed to more or less light than it was exposed to during an immediately preceding period. It results in a change in the sensitivity of the eye to light.

ANSI
American National Standards Institute
The organization that develops voluntary guidelines and produces standards for the electrical and other industries.

arc tube
A completely sealed quartz or ceramic tube where the electrical discharge (arc) occurs and light is generated.

average life
Value for life expectancy of a lamp.

baffle
A single opaque or translucent element to shield a source from direct view at certain angles, or to absorb unwanted light.

ballast
A device used with an electric-discharge lamp to obtain the necessary circuit conditions (voltage, current and wave form) for starting and operating; all fluorescent and HID light sources require a ballast for proper operation. Dimming ballasts are special ballasts which when used together with a dimmer will vary the light output of a lamp.

ballast factor, BF
The measured ability of a particular ballast to produce light from the lamp(s) it powers. Ballast factor is derived by dividing the lumen output of a particular lamp/ballast combination by the lumen output of the same lamp(s) on a reference ballast.

base
End of the lamp that inserts into the lamp socket.

beam angle
The angle between the two directions for which the intensity (candlepower) is 50% of the maximum intensity as measured in a plane through the nominal beam centerline (center beam candlepower).

beam spread
(In any plane) the angle between the two directions in the plane in which the candlepower is equal to a stated percent (usually ten percent) of the maximum candlepower in the beam.

brightness
See luminance.

bulb
Outer jacket or envelope of a lamp.

burning position
Position that lamps are designed to operate.

candela, cd
The unit of measure indicating the luminous intensity (candle-power) of a light source in a specific direction; any given light source will have many different intensities, depending upon the direction considered.

candlepower distribution
A curve that represents the variation in luminous intensity (expressed in candelas) in a plane through the light center of a lamp or luminaire; each lamp or lamp/luminaire combination has a unique set of candlepower distributions that indicate how light will be spread.

candlepower distribution curve
A curve, generally polar, representing the variation of luminous intensity of a lamp or luminaire in a plane through the light center.

CCT rating
CCT rating is based on operation at rated watts in the designated operating position. For universal lamps, CCT is rated in the vertical position. All other operating positions will lead to higher values of CCT.

center beam candlepower, CBCP
The intensity of light produced at the center of a reflector lamp, expressed in candelas.

chromaticity
The aspect of color that includes consideration of its dominant wavelength and purity.

coefficient of utilization, CU
The ratio of the luminous flux (lumens) from a luminaire received on the work-plane to the lumens emitted by the luminaire's lamps alone.

color rendering index, CRI
The measure of a light source's ability to render the color of objects "correctly," as compared with a reference source with comparable color temperature; the scale peaks at 100.

color uniformity
Consistency of color from lamp to lamp.

correlated color temperature, CCT
A specification of the color appearance of a lamp relating its color to that of a reference source heated to a particular temperature, measured in degrees Kelvin (K); CCT generally measures the "warmth" or "coolness" of light source appearance.

current, I
A measure of the flow of electricity, expressed in amperes (A).

current crest factor
Ratio of peak to rms value of lamp current: mh values range from 1.4 – 1.8. Cannot go above 1.8 or it reduces lamp life.

cut-off angle
(Of a luminaire) the angle from the vertical at which a reflector, louver or other shielding device cuts off direct visibility of a light source. It is the complementary angle of the shielding angle.

diffuse lighting
Light that is not predominantly incident from any particular direction.

diffuser
A device to redirect or scatter the light from a source by the process of diffuse transmission.

direct glare
Glare resulting from high luminance or insufficiently shielded light sources in the field of view, or from reflecting areas of high luminance. It is usually associated with bright areas such as luminaires, ceilings and windows that are outside the visual task or region being viewed.

direct lighting
Lighting by luminaires distributing 90 to 100 percent of the emitted light in the general direction of the surface to be illuminated. The term usually refers to light emitted in a downward direction. (See accent lighting.)

directional lighting
Illumination on the work-plane or on an object predominantly from a single direction.

disability glare
Glare resulting in reduced visual performance and visibility. It is often accompanied by discomfort.

discharge lamp
Light-producing device that depends on electric arc, rather than filament, to create illumination.

discomfort glare
Glare producing discomfort. It does not necessarily interfere with visual performance or visibility.

double-ended
Lamps that have two bases opposite one another for series electrical connection, mounting connection and heat dissipation.

economic life
Number of hours a group of lamps will burn before it's ergonomically advisable to group re-lamp (typically 60% - 75% of rated life).

efficacy
Efficiency of a light source expressed in lumens per watt (LPW or lm/W).

energy
A measure of work done by an electrical system over a given period of time, often expressed in kilowatt-hours (kWh).

ENERGY STAR®
U.S. Department of Energy (DOE) and Environmental Protection Agency (EPA) designation for products meeting certain energy efficiency and performance standards.

enhancing reflections
Reflections which enhance appearance described in such terms as sparkling, glittering, etc.

ESCO
Energy Saving Service Company

fenestration
Any opening or arrangement of openings or windows (normally filled with media for light control) for the admission of daylight or for the transmission of electric lighting from one room to another room.

filament
A tungsten wire purposely positioned inside a lamp bulb that when heated, electrically generates radiation in the visible, infrared and ultraviolet ranges.

fixture
See luminaire.

floodlight
A reflector lamp with a relatively wide beam pattern.

fluorescent lamp
A low pressure mercury electric discharge lamp, tubular in shape in which a fluorescent coating (phosphor) transforms ultraviolet energy into visible light.

footcandle, fc
A unit of illuminance equal to 1 lumen per square foot.

formed body arc tube
Arc tube formed by quartz sculpting process, has 1/3 less quartz mass than standard arc tubes, 3rd starter electrode eliminated. Ballast requires external ignitor with 3-4 KV to start lamp.

frequency
The number of times per second that an alternating current system reverses from positive to negative and back to positive, expressed in cycles per second or hertz, Hz.

general lighting
Lighting designed to provide a substantially uniform illuminance throughout an area, exclusive of any provision for special local requirements.

glare
Excessive brightness that may be caused by either direct or indirect viewing of a light source; any brightness or brightness relationship that annoys, distracts or reduces visibility.

harmonic
An electrical frequency that is an integer multiple of the fundamental frequency; for example, if 60 Hz is the fundamental frequency, then 120 Hz is the second harmonic and 180 Hz is the third harmonic; some electronic devices, such as ballasts or power supplies, can cause harmonic distortion, directly affecting power quality.

Hertz, Hz
A unit of frequency equal to one cycle per second. (See frequency.)

high intensity discharge (HID) lamps
A general group of lamps consisting of mercury, metal halide and high pressure sodium lamps.

illuminance
Light arriving at a surface, expressed in lumens per unit area; 1 lumen per square foot equals 1 footcandle, while 1 lumen per square meter equals 1 lux.

incandescent filament lamp
A lamp in which light is produced by a filament heated to incandescence by an electric current.

indirect lighting
Lighting by luminaires distributing 90 to 100 percent of the emitted light upward.

initial lumens
The light output of an HID lamp at rated power on a reference ballast after 100 hours of operation.

lamp
Manufactured light source; the 3 broad categories of electric lamps are incandescent, fluorescent, and high intensity discharge (HID). Also, a generic term for a man-made source of light.

lamp life
An average rating, in hours, indicating when 50% of a large group of lamps have failed, when operated at nominal lamp voltage and current. Manufacturers use 3 hours per start for fluorescent lamps and 10 hours per start for HID lamps when performing lamp life testing procedures. Every lamp type has a unique mortality curve that depicts its average rated life.

lamp lumen depreciation factor, LLD
The multiplier to be used in illumination calculations to relate the initial rated output of light sources to the anticipated minimum rated output based on the relamping program to be used.

lamp voltage
Voltage which lamps operate when they are fully warmed up.

lens
A glass or plastic element used in luminaires to change the direction and control the distribution of light rays.

level of illumination
See illuminance.

light
Radiant energy that is capable of producing a visual sensation.

light center length (LCL)
The distance from the center of the visible arc discharge to the bottom of the contact of the base.

light emitting diode (LED)
Semiconductor diodes, electronic devices that permit current flow in only one direction. The diode is formed by bringing two slightly different materials together, forming a junction. When a forward voltage is applied, current flow begins and energy is radiated in the form of light.

light loss factor, LLF
A factor used in calculating illuminance after a given period of time and under given conditions. It takes into account temperature and voltage variations, dirt accumulation on luminaire and room surfaces, lamp depreciation, maintenance procedures and atmosphere conditions. Formerly called maintenance factor.

light on centers, LOC
Distance between LED lights.

light source
See lamp.

lighting design lumens (LDL)
Number of lumens at 2,000 hrs. Of operartion.

louver
A series of baffles used to shield a source from view at certain angles or to absorb unwanted light. The baffles are usually arranged in a geometric pattern.

lumen, lm
A unit of luminous flux; the overall light output of a luminous source is measured in lumens. Amount of light lamp emits once it's started.

lumen depreciation
The decrease in lumen output of a light source over time; every lamp type has a unique lumen depreciation curve (sometimes called lumen maintenance curve) depicting the pattern of decreasing light output.

lumen maintenance
Lumen output provided by lamp at given point in, or percentage of, its life.

lumens per watt, LPW
Lumen (light) output divided by lamp watts consumed (i.E. Amount of electricity used); also known as efficacy.

luminaire
A light fixture; the complete lighting unit, including lamp, reflector, ballast, socket, wiring, diffuser, and housing.

luminaire efficiency
The ratio of luminous flux (lumens) emitted by a luminaire to that emitted by the lamp or lamps used therein.

luminance, L
Light reflected in a particular direction; the photometric quantity most closely associated with brightness perception, measured in units of luminous intensity (candelas) per unit area (square feet or square meters).

luminance contrast
The relationship between the luminances of an object and its immediate background.

luminance ratio
The ratio between the luminances of any two areas in the visual field.

luminous flux
The time rate of flow of light.

lux, lx
A unit of illuminance equal to 1 lumen per square meter.

maximum overall length, MOL
The maximum allowable distance from the top of the glass bulb to the end of the contact of the base.

matte surface
A non-glossy dull surface as opposed to a shiny (specular) surface. Light reflected from a matte surface is diffuse.

mean lumens
Lumen output of a light source after the source has been used. Mean lumen values for fluorescent and HID lamps are typically measured at 40% of rated life.

milli-candela, MCD
The measurement of light output of an LED in thousandths of a candela.

nanometer, nm
A unit of length equal to 10-9 meters; commonly used as a unit of wavelength.

open rated lamp, mogul base
Designed with an extended contact pin on the bottom of the base. Lamps should be used with an open fixture mogul socket (EX39) which prevents electrical contact if a non open rated lamp is used.

open rated lamp, medium base
Designed for open fixtures; has narrower neck than standard medium base lamps to fit into an exclusionary medium socket for open fixture use.

operating position
Metal halide lamps are specified and designed to be operated in certain positions such as vertical or base-up.

power
The rate at which energy is taken from an electrical system or dissipated by a load, expressed in watts (W); power that is generated by a utility is typically expressed in volt-amperes (V-A).

power factor
A measure of the effectiveness with which an electrical device converts volt-amperes to watts; devices with power factors >0.90 are "high power factor" devices.

pulse start lamp
Specially designed metal halide lamp that requires high voltage pulse for starting. Has improved lumen maintenance.

quality of lighting
Pertains to the distribution of luminance in a visual environment. The term is used in a positive sense and implies that all luminances contribute favorably to visual performance, visual comfort, ease of seeing, safety and esthetics for the specific visual tasks involved.

quantity of light
The product of the luminous flux by the time it is maintained. It is the time integral of luminous flux.

rated life
The number of operating hours at which 50% of most metal halide lamps or 70% of some pulse start lamps initially started will still be operating.

reference ballast
A ballast specially constructed to have certain prescribed characteristics for use in testing electric-discharge lamps and other ballasts.

reflectance, rho
The percentage of light reflected back from a surface, the difference having been absorbed or transmitted by the surface.

reflected glare
Glare resulting from specular reflections of high luminance in polished or glossy surfaces in the field of view.

reflection
The process by which flux leaves a surface or medium from the incident side.

reflector
A device used to redirect the light by the process of reflection.

refraction
The process by which the direction of a ray of light changes as it passes obliquely from one medium to another.

refractor
A device used to redirect the luminous flux from a source, primarily by the process of refraction.

resistance, R
A measure of resistance to flow of current, expressed in ohms.

restrike time
The time to re-ignite the arc of an HID lamp.

shielding
A general term to include all devices used to block, diffuse or redirect light rays, including baffles, louvers, shades, diffusers and lenses.

shielding angle
The complementary angle of the cut-off angle of a luminaire.

shroud
Glass cylinder surrounding arc tube to protect against hot arc tube particles breaking the glass bulb if an arc tube rupture occurs; reduces risk of using mh lamps in open fixtures.

Special (SPC)
Items not stocked in TCP's warehouse. These items have longer lead times than stocked (STK) items. Contact our Customer Service department at 800-324-1496 for additional details.

spectral power distribution, SPD
A curve illustrating the distribution of power produced by the lamp, at each wavelength across the spectrum.

specular surface
A shiny, highly polished surface which reflects light at an angle equal to that of the incident light.

spotlight
A reflector lamp with a narrow beam pattern used to illuminate a specifically defined area.

Stocked (STK)
Item is in stock and applicable to standard shipping.

supplementary lighting
Lighting used to provide an additional quantity and quality of illumination that cannot be readily obtained by a general lighting system and that supplements the general lighting level usually for specific task requirements.

Special Order (SPO)
Items marked SPO require a lead time of 4-6 weeks, and utilize a premium delivery option. Contact our Customer Service department at 800-324-1496 for additional details.

transmission
The process by which incident flux leaves a surface or medium on a side other than the incident side, the characteristics of many materials such as glass, plastics and textiles.

transmittance
The ratio of the flux transmitted by a medium to the incident flux.

UV Guard™
Refers to TCP's metal halide lamps with a protective quartz sleeve around the arc tube. Suitable for use in open luminaires and reduces UV by up to 90%.

veiling reflections
Reflections which partially or totally obscure the details to be seen by reducing the contrast.

visual comfort probability, VCP
A discomfort glare calculation that predicts the percent of observers positioned in the least favorable part of the room who would be expected to judge a lighting condition to be comfortable. VCP rates the luminaire in its environment, taking into account such factors as illuminance level, room dimensions and reflectances, luminaire type, size and light distribution, number and location of luminaires, and observer location and line of sight. The higher the VCP the more comfortable the lighting environment.

visual field
The location of objects or points in a space where the head and eyes are kept fixed.

visual surround
all portions of the visual field except the visual task.

visual task
Those details and objects which must be seen for the performance of a given activity, including the immediate background of the details or objects.

voltage, V
A measure of electrical potential, expressed in volts (V).

warm-up time
The amount of time from ignition of the lamp to 90% of full light output of an HID lamp.

watt, W
A unit of electrical power equal to 1 joule per second.

work plane
The plane at which work usually is done, and on which the illuminance is specified and measured. Unless otherwise indicated, this is assumed to be a horizontal plane 0.76 meters (30 inches) above the floor.

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