Submitted by:	Date:
Type:	Project:
Ordering Info:	

FINELITE® Better Lighting

HPX Product Family - Pendant & Surface Mount



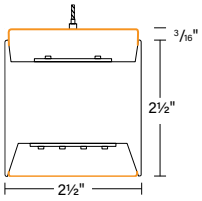
The High Performance 2.5" Aperture (HPX) is a patented LED linear luminaire with a square micro profile and internal driver design. This line of light luminaire delivers excellent performance, and is equipped with a unique LED configuration for superior illumination. Output can be enhanced with advanced optical options. Available in Pendant and Surface Mount, HPX can be tailored from 2' to 12' sections in 1' increments. HPX Pendants includes Knuckle options to create unique geometric shapes.

This product is enrolled in the International Living Future Institute (ILFI) Declare 2.0 Program and is third-party verified with options achieving **Red List Approved** and **Red List Declared** status.

Signal White is standard finish

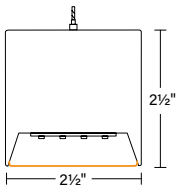
CROSS SECTIONS

Indirect/Direct
Top Glow Diffuser (standard)



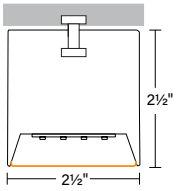
Flush Downlight Diffuser (standard)

Direct



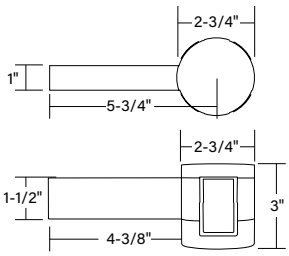
Flush Downlight Diffuser (standard)

Surface Mount



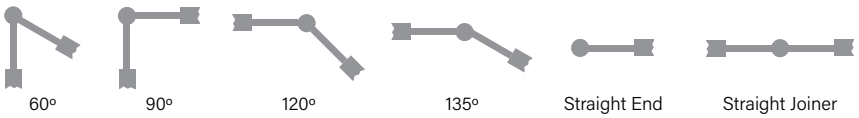
Flush Downlight Diffuser (standard)

Knuckle



1XP shown

STANDARD KNUCKLES *





T-Intersection Perpendicular

Y-Intersection 120°

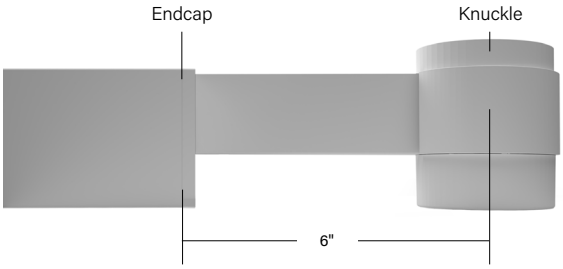
Non-uniform Y-Intersection 135°/90°

X-Intersection Perpendicular

* Each arm field adjustable 10° in either direction for 20° total range of motion.

KNUCKLES WITH ENDCAP

Add 1/4" Endcap to measurement from center of Knuckle to luminaire.



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FINELITE®
Better Lighting

HPX Product Family - Pendant & Surface Mount

BASIC RULES BEFORE ORDERING HPX LUMINAIRE

Max 2 Harnesses Plugs at Joint

HPX can have a maximum of two wiring harnesses at a joint.



Battery Allowed in 8ft. or Longer

Due to space limitations, batteries are only allowed in 8ft. or longer for HPX Indirect/Direct or Direct luminaires.



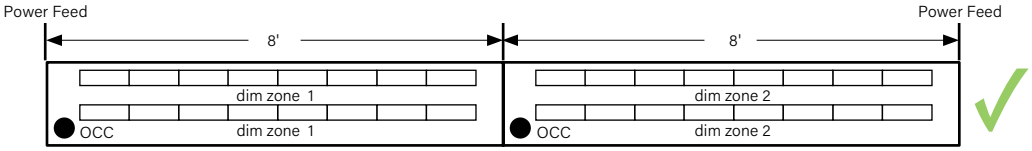
Battery + Sensor Fit

NO sensor in center of luminaire section.
NO two sensor or one sensor and one test button at joint.
NO battery packs in the same section as a sensor.

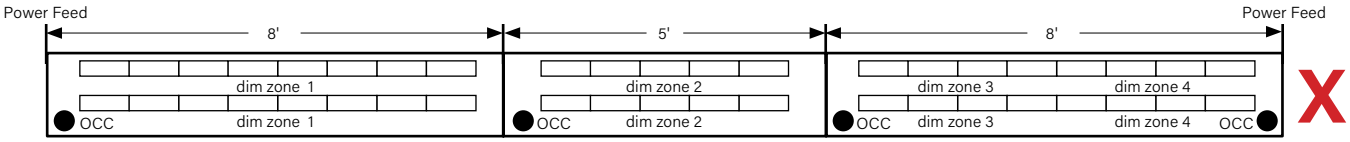


Sensor and Zone Combo
Sensor, Zone, and EM Combo

Contact factory for separate switch/dim zone capabilities - zones must align with standard driver wiring diagrams and plug-together wiring restrictions.



One feed for multiple sensor and One feed per dimming zone.



No LED harness from joiner to starter and there is no space for extra driver. Only one feed per dimming zone.

Tunable White with Zone or Multi and Dual Circuit

Each Starter and Joiner must have its own dimming zone.
It is not possible to extend the dimming zone from the Starter to the Joiner.



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FINELITE® Better Lighting

HPX Product Family - Pendant & Surface Mount

Clear Form

Ordering **Guide Example:** HP - X - RP - D - 36' - S - S - 835 - F - 120 - SC - FC-10% - C1 - FE - SW - LGD18W - OBD - CP

BODY TYPE

Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Run Length
◉ **HP** - High Performance	◉ **X** - 2.5" Square	◯ **P** - Pendant ◯ **SM** - Surface Mount ◯ **P-GR** - Pendant with Groove Body ◯ **SM-GR** - Surface Mount with Groove Body See page 4 for description of Groove Body	◯ **D** - Direct ◯ **ID** - Indirect/Direct Indirect/Direct only available for Pendat (**P**) option	_____ Minimum 2' section length. Increments of 1'; 12' maximum section length 3' Minimum lenght for dual circuit applications. ◯ **Select Kunckle** (Pendant Only) Leave length section blank and use "Standard Configuration" to specify size and shape. Total length to be calculated by factory.

OUTPUT and LED TYPE

Uplight Output ID Only	Downlight Output	LED CRI/CCT [1]
◯ **S** - Standard (470 lm/ft) ◯ **B** - Boosted (602 lm/ft) ◯ **H** - High (912 lm/ft) ◯ **V** - Very High (1169 lm/ft) ◯ **TL** - Tailored: _____ lm/ft *	◯ **S** - Standard (419 lm/ft) ◯ **B** - Boosted (542 lm/ft) ◯ **H** - High (837 lm/ft) ◯ **V** - Very High (1080 lm/ft) ◯ **TL** - Tailored: _____ lm/ft *	◯ **830** - 80 CRI min, 3000K ◯ **835** - 80 CRI min, 3500K ◯ **840** - 80 CRI min, 4000K ◯ **930** - 90 CRI min, 3000K ◯ **935** - 90 CRI min, 3500K ◯ **940** - 90 CRI min, 4000K ◯ **8TW** - 80 CRI min, Tunable White ◯ **9TW** - 90 CRI min, Tunable White

* Specify lm/ft of outputs between Standard (S) and Very High (V). Consult factory for tailored lumen output outside of this range.

MECHANICAL/OPTICAL OPTIONS

Uplight Option ID Only	Downlight Option
◯ **TG** - Top Glow (Standard) ◯ **F** - Flush Diffuser ◯ **WSO** - Widespread Optic ◯ **WSOTG** - Widespread Optic with Top Glow ◯ **ASYTG-L** - Asymmetric Left Optic with Top Glow ◯ **ASYTG-R** - Asymmetric Right Optic with Top Glow	◉ **F** - Flush

ELECTRICAL OPTIONS

Voltage

◯ **120** - 120 Voltage
◯ **277** - 277 Voltage
◯ **347** - 347 Voltage (OTi only)
347 Voltage not available for Knuckle options.

ELECTRICAL OPTIONS

Circuiting [2]

◯ **SC** - Single Circuit*
One single circuit in a run
◯ **DC** - Dual Circuit*
Independent control of up and down separately in an I/D style luminaire
◯ **MC** - Multi Circuit*
More than one switch leg or zone (not 'DC' independent control of up and down separately for an I/D style luminaire). Factory shop drawings required

*Battery, Night Light, and Emergency to Generator circuits are in addition to the normal luminaire circuit(s)

Driver Selection [3]

0-10V Driver Options
◯ **FC-10%** - 0-10V 10% (standard)
◯ **FC-1%** - 0-10V 1%
◯ **OTi-10%** - EldoLED OTi, 0-10V 10% [4]
◯ **OT-1%** - EldoLED OTi, 0-10V 1% [4]
◯ **ELD-10V-0%** - EldoLED SOLOdrive, 0-10V 0.1%
◯ **10V-TW-10%** - EldoLED OTi, 0-10V 10% *(Tunable White)* [4]

DALI Driver Options
◯ **FC-DALI-1%** - DALI 1%
◯ **FC-DALI-TWDT8** - DALI 1%, Tunable White DT8
◯ **ELD-DALI-1%** - EldoLED ECOdrive D4i, DALI 1% Dimming DT6
◯ **ELD-DALI-TWDT6** - EldoLED Dual Drive Light Shape, 1% *DT6 (Tunable White)*

DMX Driver Options
◯ **ELD-DMX-SW8** - EldoLED POWERdrive, 0.1%
◯ **ELD-DMX-TW** - EldoLED POWERdrive, 0.1% (Tunable White)

Lutron Driver Options
◯ **LUT-ES1** - Lutron, LDE1 Ecosystem 1%
◯ **LUT-TW** - Lutron LD2 Dali-2 1%, DT8 *(Tunable White)*

See Page 3 for additional driver options and details

MOUNTING OPTIONS

Mounting Method Clear Selection

◯ **FA50** - Fully Adjustable 50"
◯ **FA100** - Fully Adjustable 100"
◯ **FA150** - Fully Adjustable 150"
◯ **FA200** - Fully Adjustable 200"
◯ **FA250** - Fully Adjustable 250"
◯ **FA300** - Fully Adjustable 300"
◯ **FM** - Flexible Mounting [5]

MOUNTING OPTIONS

Ceiling Hardware Type

◯ **C1** - 15/16" T-Bar [6]
◯ **C2** - 9/16" T-Bar [6]
◯ **C3** - Screw Slot [6]
◯ **C4** - Hard Ceiling
◯ **C1T** - 15/16" Tegular [6]
◯ **C2T** - 9/16" Tegular [6]
◯ **SMC4** - Surface Mount Hard Ceiling
(Only available for HPX-SM)

Endcap Style

◉ **FE** - Flat Endcap

Finish

◯ **SW** - Signal White (standard)
◯ **FB** - Finelite Black [7]
◯ **SA** - Satin Aluminum [7]
◯ **MM01** - Gray Elm [8]
◯ **MM02** - White Oak [8]
◯ **MM03** - Teak [8]
◯ **MM04** - Walnut [8]
◯ **####** - RAL Color Code [8]
_____
Material Mimic (MM) RLA & RLD pending

OTHER OPTIONS

Emergency Style (Optional) Clear Selection
See page 5 Backup Battery table

◯ **LGD18W** - Legrand 18W Brand Battery Back-up [9]
◯ **LGD10W** - Legrand 10W Brand Battery Back-up [9]
◯ **EM/GEN** - Emergency to Generator
◯ **NL** - Night Light
◯ **BSL310LP** - Bodine Battery Back up Low Profile [10]
◯ **BSL10T3** - Bodine Battery Back up Low Profile Compact
◯ **GTD** - Generator Transfer Device [20]
◯ **ALCR** - Automatic Load Control Relay [20]
◯ **RRU** - Shunt Relay for 0-10V

Integrated Sensor (Optional) [11] Clear Selection

◯ **OBO1** - WS FS-305 w/ FS-L6 lens on/off (max mounting height 8') OCC Sensor
◯ **OBO2** - WS FS-305 w/ FS-L3W lens on/off (max mounting height 20') OCC Sensor
◯ **OBO3** - WS FS-305D w/ FS-L6 lens Dim to 50% (max mounting height 8') OCC Sensor
◯ **OBO4** - WS FS-305D w/ FS-L3W lens Dim to 50% (max mounting height 20') OCC Sensor
◯ **OBD** - Daylight
◯ **W601** - Wattstopper Sensor [12]
◯ **CLM** - Wattstopper Plus RF (see page 8 for details)
◯ **SLM** - Wattstopper Plus Sensor
◯ **RE7** - nLight Occupancy & Daylight [13]
◯ **NE7** - nLight Occupancy [13]
◯ **AOCC-W** - Lutron Athena Sensor [14, 19] *(Device Color White)*
◯ **AOCC-B** - Lutron Athena Sensor [14, 19] *(Device Color Black)*
◯ **ARF-W** - Lutron Athena RF [14, 19] *(Device Color White)*
◯ **ARF-B** - Lutron Athena RF [14, 19] *(Device Color Black)*
◯ **VOCC** - Lutron Vive Sensor [15, 19]
◯ **VRF** - Lutron Vive RF [15, 19]
◯ **WCLA-D** - WaveLinx WCL-OEM-WAA-D [21]
◯ **WCLA** - WaveLinx WCL-OEM-WAA [21]
◯ **WCLB-D** - WaveLinx WCL-OEM-WAB-D [21]
◯ **WCLB** - WaveLinx WCL-OEM-WAB [21]
◯ **WCLR** - WaveLinx Remote [21]

OTHER OPTIONS

Special Options (Optional) Clear Selection

◯ **CP** - Chicago Plenum [16]
◯ **RLA** - Red List Approved
◯ **RLD** - Red List Declared

OTHER OPTIONS

Standard Configurations (see page 6 - 7) Clear Selection

◯ **SQ x_____x 4L90** - Square
◯ **REC x_____x _____x 4L90** - Rectangle
◯ **TRI x_____x 3L60** - Triangle
◯ **HEX x_____x 6L120** - Hexagon
◯ **OCT x_____x 8L135** - Octagon
◯ **PLS x_____x 1XP** - Plus
◯ **T x_____x_____x_____x TP** - T Configuration
◯ **CRS x_____x _____x_____x_____x 1XP** - Cross [17]
◯ **YINT x_____x 1Y120** - 120º Y-Intersection [17]
◯ **YINT x_____x 1Y135/90** - Non-uniform Y-Intersection [17]
◯ **L x _____ x_____ x L60** - "L" Shape with 60º
◯ **L x _____ x_____ x L90** - "L" Shape with 90º
◯ **STR x_____x 2E180** - Straight
◯ **L x _____ x_____ x L120** - "L" Shape with 120º
◯ **L x _____ x_____ x L135** - "L" Shape with 135º
◯ **E180** - Single Knuckle
◯ **CFG** - Configuration [18]
Select CFG when specifying custom configuration. Please provide plan drawings to clearly communicate.

1 Tunable white is not available with Knuckle
2 Contact factory for switching options
3 For Indirect/Direct lengths 3' and greater, separate dimming for uplight and downlight available
4 Add DTO to gain "Dim to Off" functionality (FC-10% - DTO, FC-1% - DTO)
5 Direct only
6 C1, C2, C3, C1T, and C2T T-bar mounting for Pendant Only
7 15 Business day lead time
8 20 Business day lead time for MM and color
9 Minimum fixture length 8ft required for HPX D and HPX SM; Minimum 12ft required for HPX ID
10 BSL310LP work with HPX Direct 8ft without sensor only
11 Minimum luminaire length with a sensor is 4ft.
12 LMFS-601 w/ 0-10V driver(s) and LMFI-111, up to 6 drivers may be connected. LMFS-601 w/ Dali driver, only 1 driver can be connected
13 Contact factory
14 0-10V Drivers - AOCC up to 10 drivers may be connected; ARF up to 40 driver may be connected. DALI Drivers - AOCC & ARF up to 4 drivers can be connected.
15 Lutron Vive Ingrated Sensors require a DALI driver. Contact factory for Indirect Distribution.
16 Only available with C1, C2, and C3 mounting hardware
17 Require 2 power feed locations
18 4 weeks lead time for custom configurations
19 When LUT-ELI is specified for emergency lighting, do not include an integral UL924 relay (e.g., ALCR or GTD). For more details, see Lutron EM App Note 106 or Lutron Vive EM App Note 628
20 Do not use in applications where Lutron integrated controls and LUT-ELI are both specified.
21 See sensor under Specification Section (page 6) for more information.

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FINELITE® Better Lighting

HPX Product Family - Pendant & Surface Mount

SUPPLEMENTARY DRIVER PAGE

0-10V Driver Options	
FC-10%	Factory Choice, 0-10V 10% Dimming (Linear)
FC-10%-DTO	Factory Choice, 0-10V 10% Dimming, Dim-to-Off (Linear)
FC-1%	Factory Choice, 0-10V 1% Dimming (Linear)
FC-1%-DTO	Factory Choice, 0-10V 1% Dimming, Dim-to-Off (Linear)
ELD-10V-0%	EldoLED SOLOdrive, 0-10V 0.1% Dimming (Linear)
ELD-10V-1%	EldoLED ECOdrive, 0-10V 1% Dimming (Linear)
10V-TW-10%	EldoLED OTi, 0-10V 10% Dimming, *Tunable White* (Linear)
10V-TW-10%-DTO	EldoLED OTi, 0-10V 10% Dimming, Dim-to-Off, *Tunable White* (Linear)
OTi-10%	EldoLED OTi, 0-10V 10% Dimming (Linear)
OTi-10%-DTO	EldoLED OTi, 0-10V 10% Dimming, Dim-to-Off (Linear)
OTi-1%	EldoLED OTi, 0-10V 1% Dimming (Linear)
OTi-1%-DTO	EldoLED OTi, 0-10V 1% Dimming, Dim-to-Off (Linear)

DALI Driver Options	
FC-DALI-1%	Factory Choice, DALI 1% Dimming, DT6 (Logarithmic)
FC-DALI-TWDT8	Factory Choice DALI 1% Dimming, Tunable White DT8
ELD-DALI-0%	EldoLED SOLOdrive, DALI 0.1% Dimming, DT6 (Logarithmic)
ELD-DALI-1%	EldoLED ECOdrive, D4i, DALI 1% Dimming, DT6 (Logarithmic) (formerly Dexal)
ELD-DALI-TWDT6	EldoLED DUALdrive Light Shape, DALI 0.1% Dimming, *Tunable White* (Logarithmic Dimming, Linear CCT Control) DT6
ELD-DALI-TWDT8	EldoLED DUALdrive Light Shape, DALI 0.1% Dimming, *Tunable White* (Logarithmic Dimming, Linear CCT Control) DT8

DMX Driver Options	
ELD-DMX-SW8	EldoLED POWERdrive, DMX 0.1% Dimming, (Static White, 8-Bit) (Linear)
ELD-DMX-SW16	EldoLED POWERdrive, DMX 0.1% Dimming, (Static White, 16-Bit) (Linear)
ELD-DMX-TW16	EldoLED POWERdrive, DMX 0.1% Dimming, Tunable White (16 Bit, 4CH - CH1, 2 Warm / CH3, 4 Cool) (Linear)

Lutron Driver Options	
LUT-ES1	Lutron, LDE1 Ecosystem 1% Dimming
LUT-TW	Lutron LD2 Dali-2 1%, Tunable White DT8

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FINELITE® Better Lighting

HPX Product Family - Pendant & Surface Mount

SPECIFICATIONS

BODY TYPE

CONSTRUCTION: Precision-cut 6063-T6 extruded aluminum body. Internal joiner system, plug-together wiring, standard.

LENGTHS: Any length, 2' minimum section length. Increments of 1'. 12' maximum section length. For Indirect/Direct, select a minimum body length of 3' or greater when requiring dual circuiting or when uplight and downlight outputs differ.

GROOVE BODY: The Groove form factor option gives added dimension and ribbed texture to the HPX square micro profile luminaire.



ARRAY TYPE

LIGHT OUTPUT: Four lumen packages available, Standard (**S**), Boosted Standard (**B**), High (**H**), and Very High (**V**). A separate chart summarizes lumen distribution and wattage. For Tailored Outputs outside of range from Standard (**S**) to Very High (**V**), consult factory. Light engines are replaceable.

WELL Building, feature L04 Electric Light Glare control: *HPX D :* 80CRI - Tailored to 340 lumens/ft, 90 CRI - **S**.

LEED v5, interior Lighting Indoor Environmental Quality (qualify for LEED v4.1): *HPX D :* 80CRI - Tailored to 340 lumens/ft, 90CRI - **S**/**B**.

MECHANICAL FEATURES

UPLIGHT OPTION [1]: Patented Top Glow Frost White Diffuser, standard. 12' maximum diffuser length. Optical distribution pattern options include Widespread Optic (**WSO**); WSO enables increased luminaire spacing with improved ceiling uniformity, and Asymmetric (**ASYTG-L** / **ASYTG-R**). Asymmetric optic directs light in a specific direction. ASYTG-L distributes light to the left, ASYTG-R distributes light to the right of the luminaire. Consult factory for more tailored lumen outputs.

DOWNLIGHT OPTION: 12' maximum diffuser length. Flush (**F**) frost white snap-in diffuser, standard; 73% transmissive, 99% diffusion. Internal secondary diffusers at corners ensure visually seamless, uniform, continuous illumination. Consult factory for more tailored lumen outputs.

LUMEN MAINTENANCE: L70 at 200,000+ hours.

ELECTRICAL FEATURES

STATIC WHITE FEED: 18-gauge/5-conductor single-circuit feed, standard. 14-gauge feed used when luminaire current exceeds 5 amps. 1 and 2 Knuckle can be specified with a power-feed at the hub.

TUNABLE WHITE FEED: Standard with one 18-gauge/5-conductor single-circuit feed. 14-gauge feed used when luminaire current exceeds 5 amps (14-gauge plug together connection not available on Knuckle arms). Tunable White is not available with Knuckle installations.

STATIC WHITE DRIVER: Replaceable 120V, 277V, and 347V Constant Current Reduction dimming driver standard. Can be wired dimming or non-dimming. 0-10V dimming controls with a range of 10% - 100% Dimming to 1% available; Consult factory. Separate dimming for uplight and downlight available. Driver is fully accessible from below the ceiling.

- **Power Factor:** ≥ 0.9
- **Total Harmonic Distortion (THD):** <20%
- **Expected driver lifetime:** 100,000 hours

LUTRON STATIC DRIVER OPTIONS:

LUT-ES1 - Hi-lume 1% EcoSystem with Soft-On, Fade-to-Black dimming (LDE1 series).

TUNABLE WHITE DRIVER: Replaceable LED driver. Driver is accessible from below the ceiling. 120V/277V.

- **Power factor** ≥0.9
- **Total Harmonic Distortion (THD):** <20%
- **Dimming Range:** 100 - 1%
- **Expected driver lifetime:** 100,000 hours

LUTRON TUNABLE WHITE DRIVER OPTION:

LUTD-TW - Lutron LD2 Dali-2 1%, Tunable White, DT8

MOUNTING TYPE

HANGING HARDWARE:

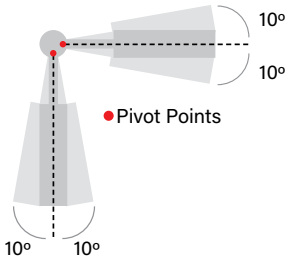
- **Pendant:** 50" Fully Adjustable (**FA**) plated steel aircraft cable with safety stop hardware standard. Contact factory for additional lengths up to 150". The Flexible Mounting Bracket (**FM**) [2] adjusts the suspension points to accommodate existing architecture. Suspension points adjust up to 2' in from the end of 8' to 12' luminaire lengths and up to 1' in on shorter lengths.
- **Surface Mount:** Ceiling types: Drywall or concrete surfaces (walls or ceilings): 1/4"-20 stud and nut (provided by others).

OTHER FEATURES

ENDCAPS: Flat diecast aluminum endcaps add 1/4" to each end of luminaire. Knuckle endcaps include attachments brackets for easy installation.

ALL KNUCKLES (Pendant Only)**:**

- **Mounting:** Knuckle with Endcap adds 6" per Knuckle to overall length of suspension-to-suspension spacing. Knuckle is designed for use with Pendant mounted HPX.
- **Power Feed:** Our Standard Configurations are available with a single 18/5 feed into 1 or 2 arm Knuckle. 3 and 4 arm Knuckles do not accept power feeds. EM feeds will be in the luminaire section adjacent to the Knuckle. Consult factory for available options regarding feeds, multiple circuits, and emergency wiring. Feed locations will be confirmed on the shop drawings.
- **Standard Configurations:** See pages 1 & 7-9 for various standard angles with 1, 2, 3, and 4 arms. Each arm can be field adjusted +/-10 degrees for a total of 20 degrees. For example, L90, accommodates angles of 70 to 110 degrees; L60, accommodates 40 to 80 degrees.



Continued

1 Indirect/Direct (ID) only
2 Direct only

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Protected by one or more US Patents: 8915613; 9681516,B2; D702,390

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Submitted by:		Date:
Type:	Project:	
Ordering Info:		

FINELITE® Better Lighting

HPX Product Family - Pendant & Surface Mount

SPECIFICATIONS

EMERGENCY STYLE: Optional emergency to generator/inverter wiring, internal generator transfer switch, nightlight wiring, step-dimming driver, backup battery.

Backup Battery

	Legrand 18W	Legrand 10W/ Bodine BSL310LP
HPX-P-D		
Min. Housing Length	8'*	8'*
EM Lumen Output	2006	1194
EM Section Illuminated	2'	2' or 4'
HPX-SM-D		
Min. Housing Length	8'*	8'*
EM Lumen Output	2006	1194
EM Section Illuminated	2'	2' or 4'
HPX-P-ID		
Min. Housing Length	12'	8'
EM Lumen Output	2006	1194
EM Section Illuminated	2'	2' or 4'

* Minimum luminaire housing length for battery pack approved without sensor
The lumens are based on 835. For other CCT/CRI, refer to the Lumen Adjustment Factor table on page 11.

Bodine GTD and Legrand ALCR Min. Length

Configuration	Min Length
Generator	D- 4'; ID-6'
Generator + OCC	D- 6'; ID-8'
Daylight	D-4'; ID-6'
Generator + Daylight	D-6'; ID-8'

TUNABLE WHITE ELECTRICAL OPTIONS [1]:

TW Driver Options

- **0-10V:** EM/GEN, GTD, or Battery Back Up
- **DMX:** Battery Back Up
- **DALI:** EM/GEN, GTD, or Battery Back Up
- **LUTRON:** EM/GEN, GTD, or Battery Back Up

INTEGRATED SENSORS: Integrated PIR (Passive Infrared) Occupancy (**OBO**) or Daylight Sensors (**OBD**) available with Flush and Bottom Glow downlight diffusers. PIR sensors not recommended for stairwell applications. Refer to Occupancy Sensor & Daylight Sensor tech sheet and the Embedded Intelligence landing page for more information and additional sensor options. Minimum luminaire length with a sensor is 4ft. Wavelinx Sensors [2]: Wavelinx PRO (**WCLA-D)** requires **DTO** 0–10V Aux driver to power sensor; Wavelinx PRO (**WCLA)** requires standard 0–10V driver, control module, and 54" cable; Wavelinx LITE (**WCLB-D)** requires **DTO** 0–10V Aux driver to power sensor; Wavelinx LITE (**WCLB)** requires standard 0–10V driver, control module, and 54" cable. Wavelinx Remote (**WCLR**) option can be used with **LITE** or **PRO**. Finelite provides Wavelinx control module and 54" sensor cable ***ONLY*** (sensor provided and installed remotely by others). Sensor cables will exit existing fixture feed holes nearest the specified locations within the fixture or run.

FINISHES: Finelite Signal White (**SW**) powder coat standard. Finelite Black (RAL 9005) with semi gloss fine texture (**FB**) [3] and Satin Aluminum (**SA**) [3] are available. Material Mimic options [4,6]: Gray Elm (**MM01**), White Oak (**MM02**), Teak (**MM03**), Walnut (**MM04**). Optional Adders: 179 RAL colors. [4]

LABELS: Luminaire and electrical components are ETL-listed conforming to UL 1598 in the U.S.A. and CAN/CSA C22.2 No. 250.0 in Canada. In accordance with NEC Code 410.130 (G), this luminaire contains an internal driver disconnect. UL 924 and UL 2108 - PoE options available on request, contact factory for more details. These luminaires are rated for Damp Location. Finelite products use electronic components that are RoHS compliant, and the mechanical components of the luminaire have been verified to not knowingly contain any restricted substances listed per RoHS Directive 2015/863. High efficacy LED light source requirements. Finelite makes the specification process easy when putting healthier products on your projects. Simply add – **RLA** (Red List Approved) or – **RLD** (Red List Declared) to your part number.

WEIGHT [5]: 2.3 lb/ft.

WARRANTY: 10-year performance-based warranty on all standard components. Optional accessories such as emergency battery packs are covered by their individual manufacturer warranties.

MATERIAL MIMIC OPTIONS [4, 6]


Gray Elm (**MM01**)


White Oak (**MM02**)


Teak (**MM03**)


Walnut (**MM04**)

The appearance of Material Mimic finishes may vary due to environmental lighting conditions and surrounding color influences. Sample swatches are available upon request for evaluation in situ under expected lighting and design conditions.

1 Consult Finelite for Generator Transfer Device and Battery Back up fit
2 Contact Factory for more information
3 15 business days lead time.
4 20 business days lead time for Material Mimic and color.
5 Excludes Battery Backup and Generator Transfer Device weight.
6 Due to the uniqueness of Material Mimic options, color and grain pattern may vary, sample swatches are available upon request.

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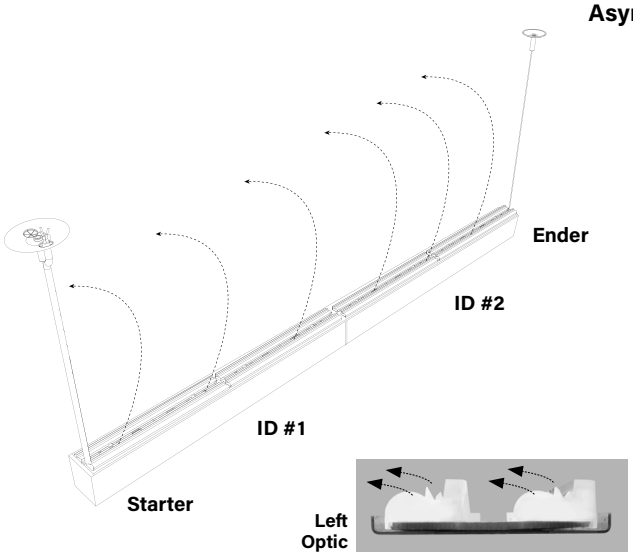
FINELITE® Better Lighting

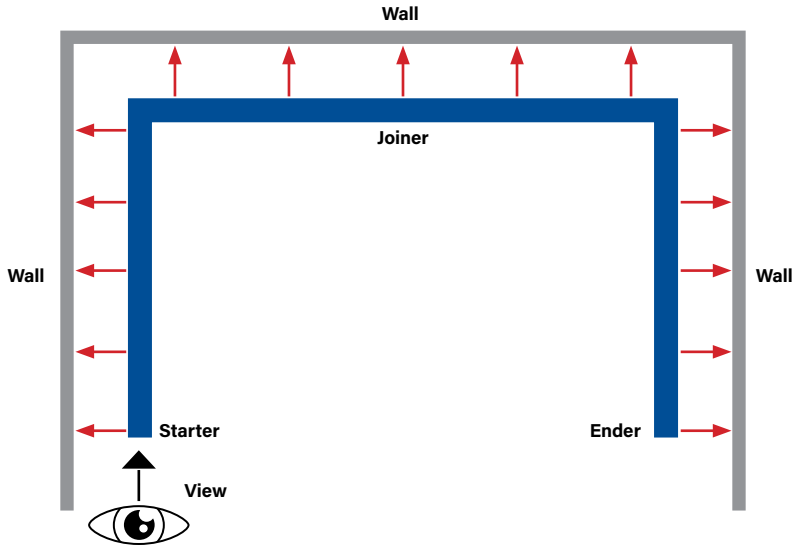
HPX Product Family - Pendant & Surface Mount

ASYMMETRIC OPTIONS

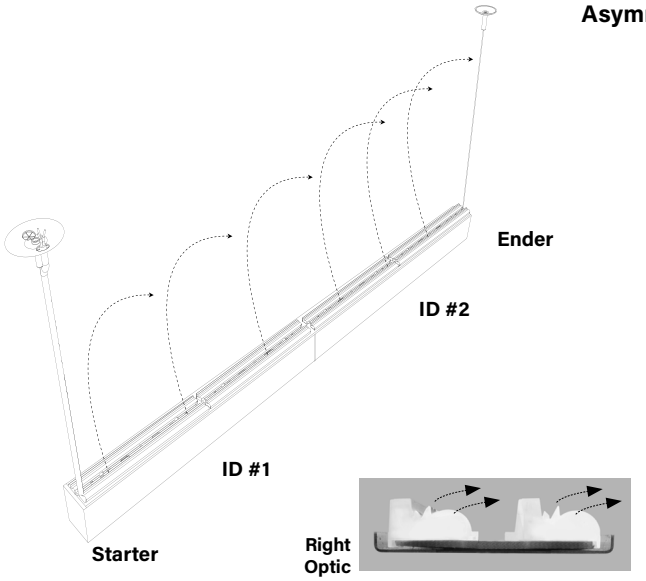
The diagrams below show a linear run from power feed to ender. Specifing ASY-L distributes light to the left or ASY-R distributes light to the right. For proper orientation: view luminaire from starter end when specifying the direction of the Asymmetric optic.

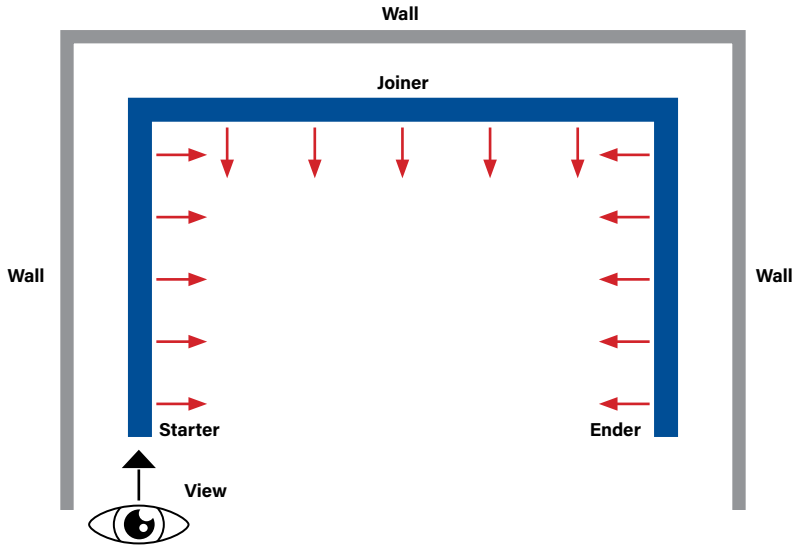
Asymmetric Left Optic (ASY-L)





Asymmetric Right Optic (ASY-R)





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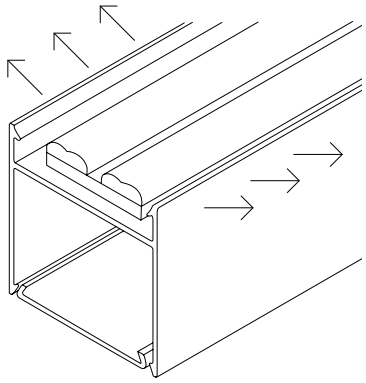
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HPX Product Family - Pendant & Surface Mount

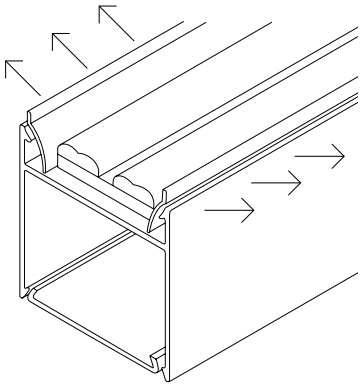
WIDESPREAD OPTIONS

Widespread Optic (**WSO**) delivers distribution for improved performance.

Widespread Optic (**WSO**)

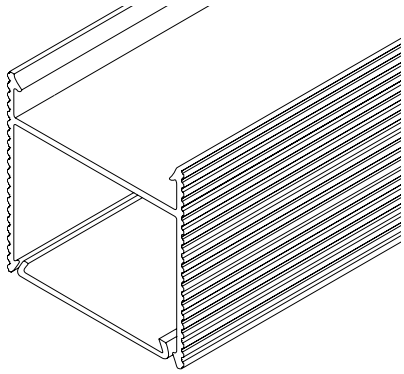


Widespread Optic Top Glow (**WSOTG**)



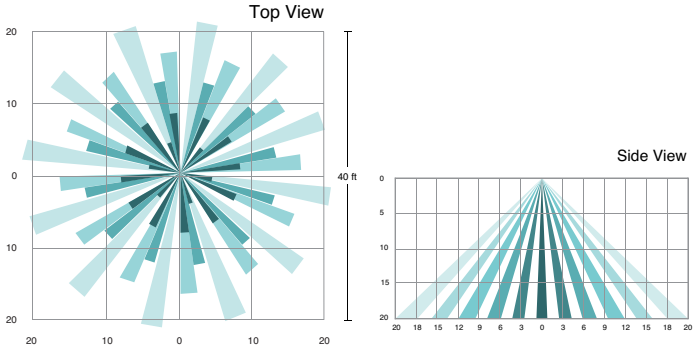
GROOVE OPTION

Groove Body available for Pendant (**P-GR**) and Surface Mount (**SM-GR**)

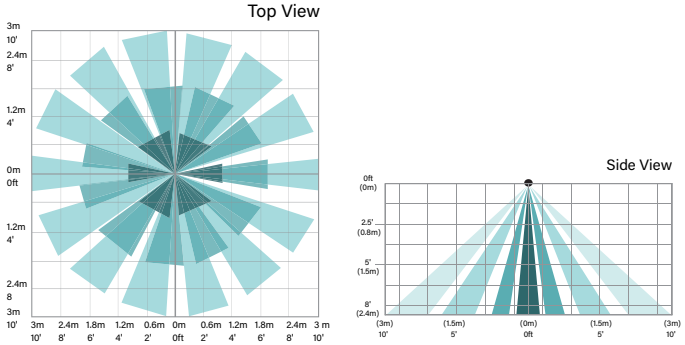


OCCUPANCY SENSOR OPTIONS

FS-L3W top and side coverage patterns

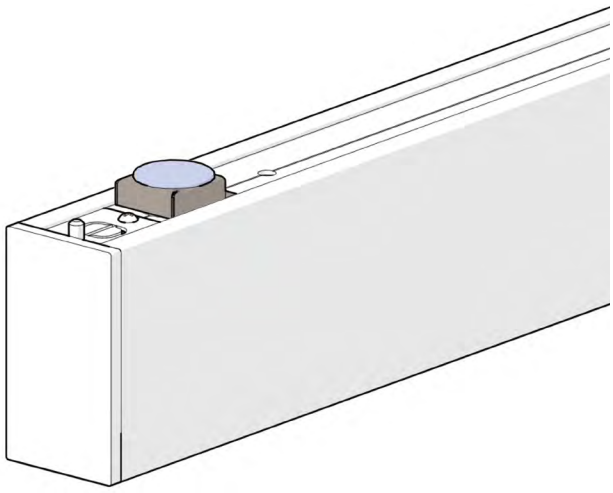


FS-L6 top and side coverage patterns



CONNECTED LIGHTING MODULE (CLM) LOCATION

The default location for the Connected Lighting Module (CLM) will be on the topside of the fixture. Consult factory for direct side mounting. For Indirect, Lenses can go over the sensor, no special lens reduction needed.



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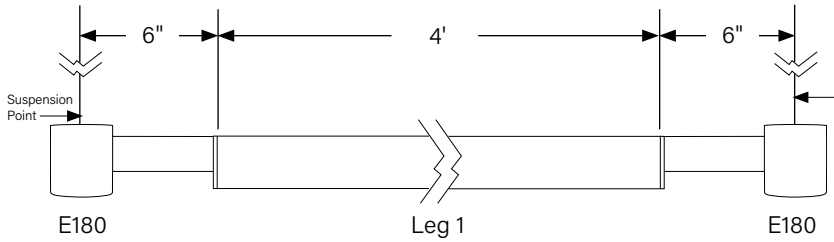
HPX Product Family - Pendant & Surface Mount

STANDARD CONFIGURATION EXAMPLES [1, 2]

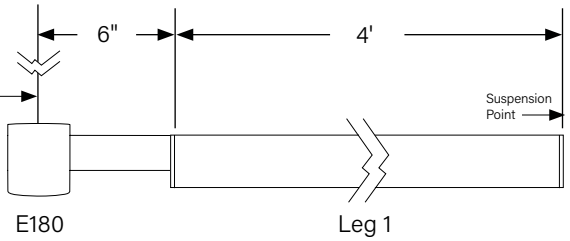
(KNUCKLE ONLY AVAILABLE WITH PENDANT)

Luminaires can be joined by traditional joint or Knuckle joint for longer runs to fit your design needs. EM feeds will drop on the knuckle adjacent to the luminaire section. 3' Minimum lenght for dual circuit applications.

Support to Support Location Example
E180 x 4' x E180



Support to Support Location Example
E180 x 4'



Potential location for joining note near " L " configuration example on page 9.

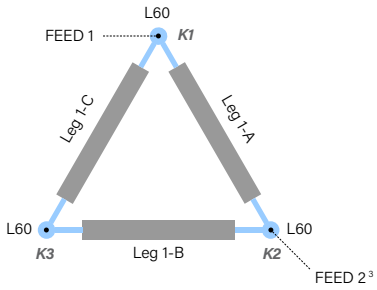
STR x _____ x 2E180
Straight - Provide Leg 1 dimension

Example - STR x 4' x 2E180



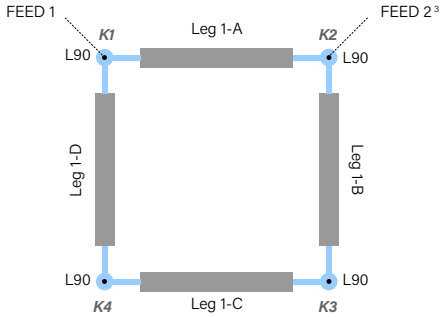
TRI x _____ x 3L60
Triangle - Provide Leg 1 dimension

Example - TRI x 4' x 3L60



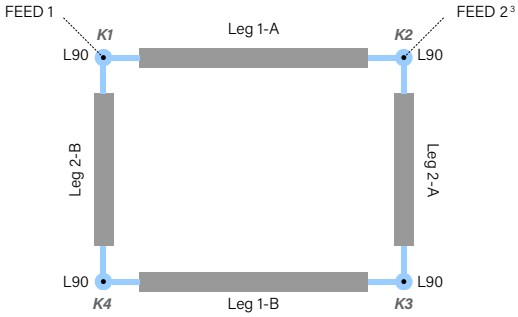
SQ x _____ x 4L90
Square - Provide Leg 1 dimension

Example - SQ x 4' x 4L90



REC x _____ x _____ x 4L90
Rectangle - Provide Leg 1, Leg 2 dimension

Example - REC x 6' x 4' x 4L90



● = Suspension Points

[1] Drawings are not to scale
[2] 2' minimum length for linear sections
[3] Used for Dual Circuit Designs

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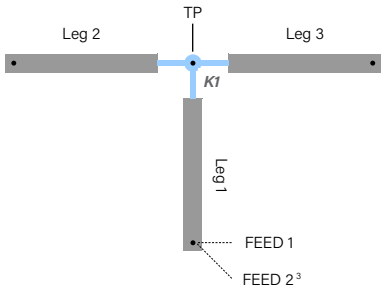
STANDARD CONFIGURATION EXAMPLES [1, 2]

(KNUCKLE ONLY AVAILABLE WITH PENDANT)

Luminaires can be join by traditional joint or Knuckle joint for longer runs to fit your design needs.
EM feeds will drop on the knuckle adjacent to the luminaire section.

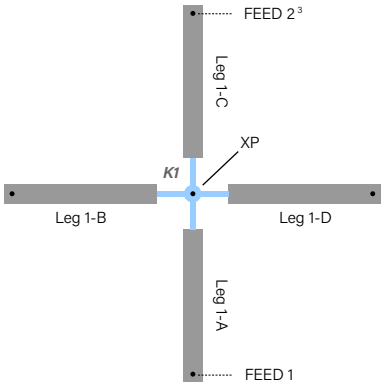
T x _____ x _____ x _____ x 1Y120
T-Intersection - Provide Leg 1, Leg 2, Leg 3 dimension

Example - T x 4' x 4' x 4' x 1Y120



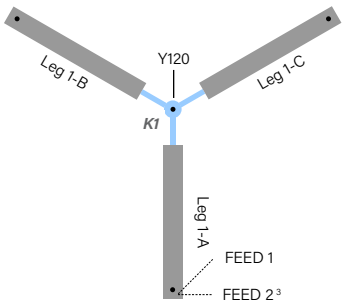
PLS x _____ x 1XP
Plus - Provide Leg 1 dimension

Example - PLS x 4' x 1XP



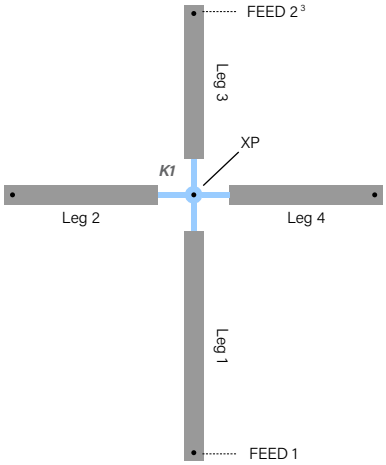
YINT x _____ x 1Y120
Y-Intersection - Provide Leg 1 dimension

Example - YINT x 4' x 1Y120



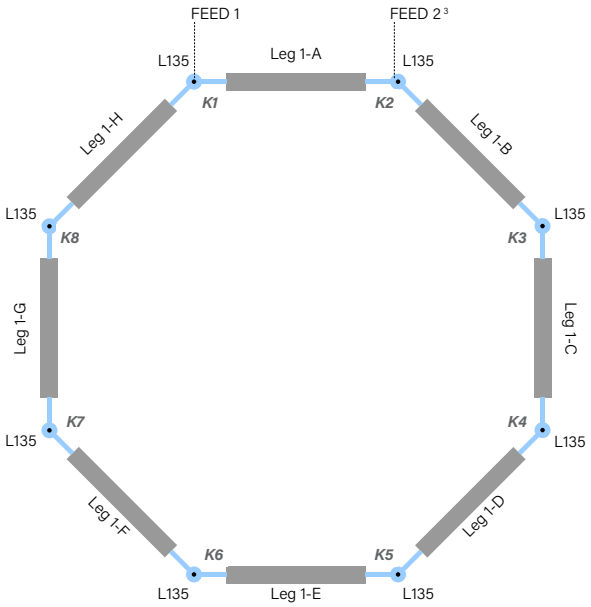
CRS x _____ x _____ x _____ x _____ x 1XP
CRS - Provide Leg 1, Leg 2, Leg 3, and Leg 4 dimension

Example - CRS x 6' x 4' x 4' x 4' x 1XP



OCT x _____ x 8L135
Octagon - Provide Leg 1 dimension

Example - OCT x 4' x 8L135



● = Suspension Points

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[3] Used for Dual Circuit Designs

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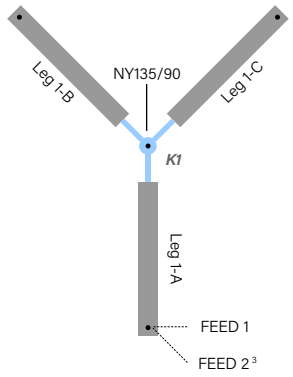
STANDARD CONFIGURATION EXAMPLES [1, 2]

(KNUCKLE ONLY AVAILABLE WITH PENDANT)

Luminaires can be join by traditional joint or Knuckle joint for longer runs to fit your design needs.
EM feeds will drop on the knuckle adjacent to the luminaire section.

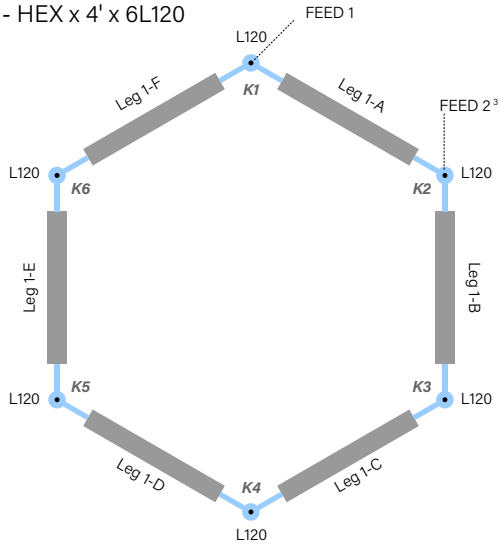
YINT x _____ x 1NY135/90
Y-Intersection - Provide Leg 1 dimension

Example - YINT x 4' x 1NY135/90



HEX x _____ x 6L120
Hexagon - Provide Leg 1 dimension

Example - HEX x 4' x 6L120

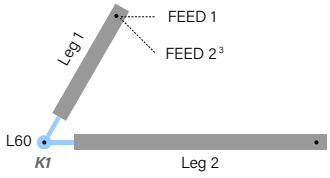


"L" SHAPE CONFIGURATION EXAMPLES [1, 2]

Luminaires can be join by traditional joint or Knuckle joint for longer runs to fit your design needs.

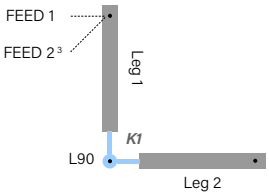
L x _____ x _____ x L60
L Shape - Provide Leg 1 and Leg 2 dimension

Example - L x 4' x 8' x L60



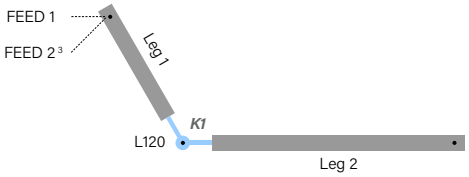
L x _____ x _____ x L90
L Shape - Provide Leg 1 and Leg 2 dimension

Example - L x 4' x 4' x L90



L x _____ x _____ x L120
L Shape - Provide Leg 1 and Leg 2 dimension

Example - L x 4' x 8' x L120



L x _____ x _____ x L135
L Shape - Provide Leg 1 and Leg 2 dimension

Example - L x 4' x 12' x L135



● = Suspension Points

[1] Drawings are not to scale
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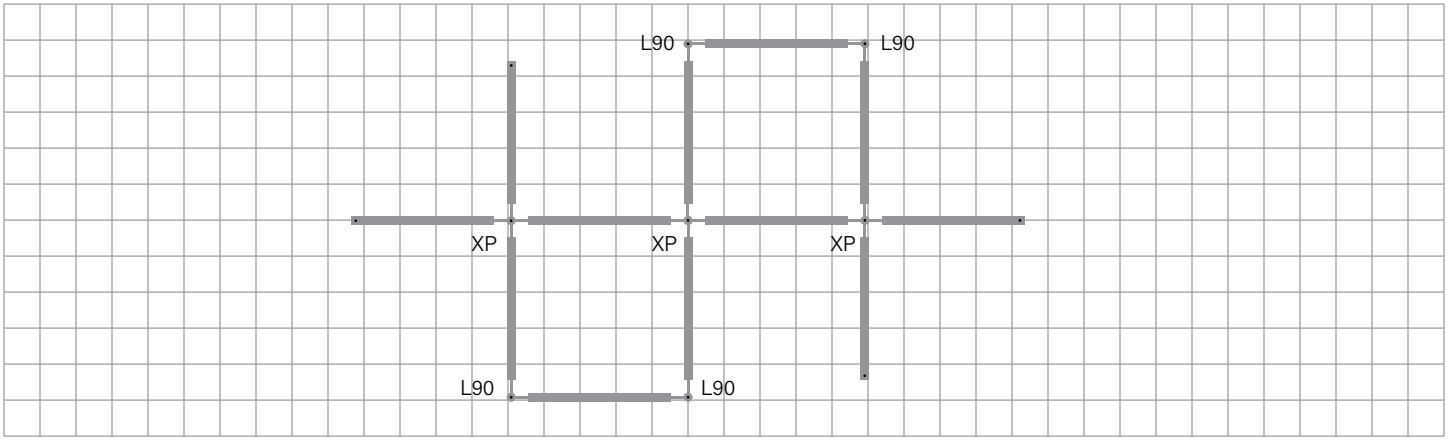
CUSTOM CONFIGURATION EXAMPLE [1, 2]

(KNUCKLE ONLY AVAILABLE WITH PENDANT)

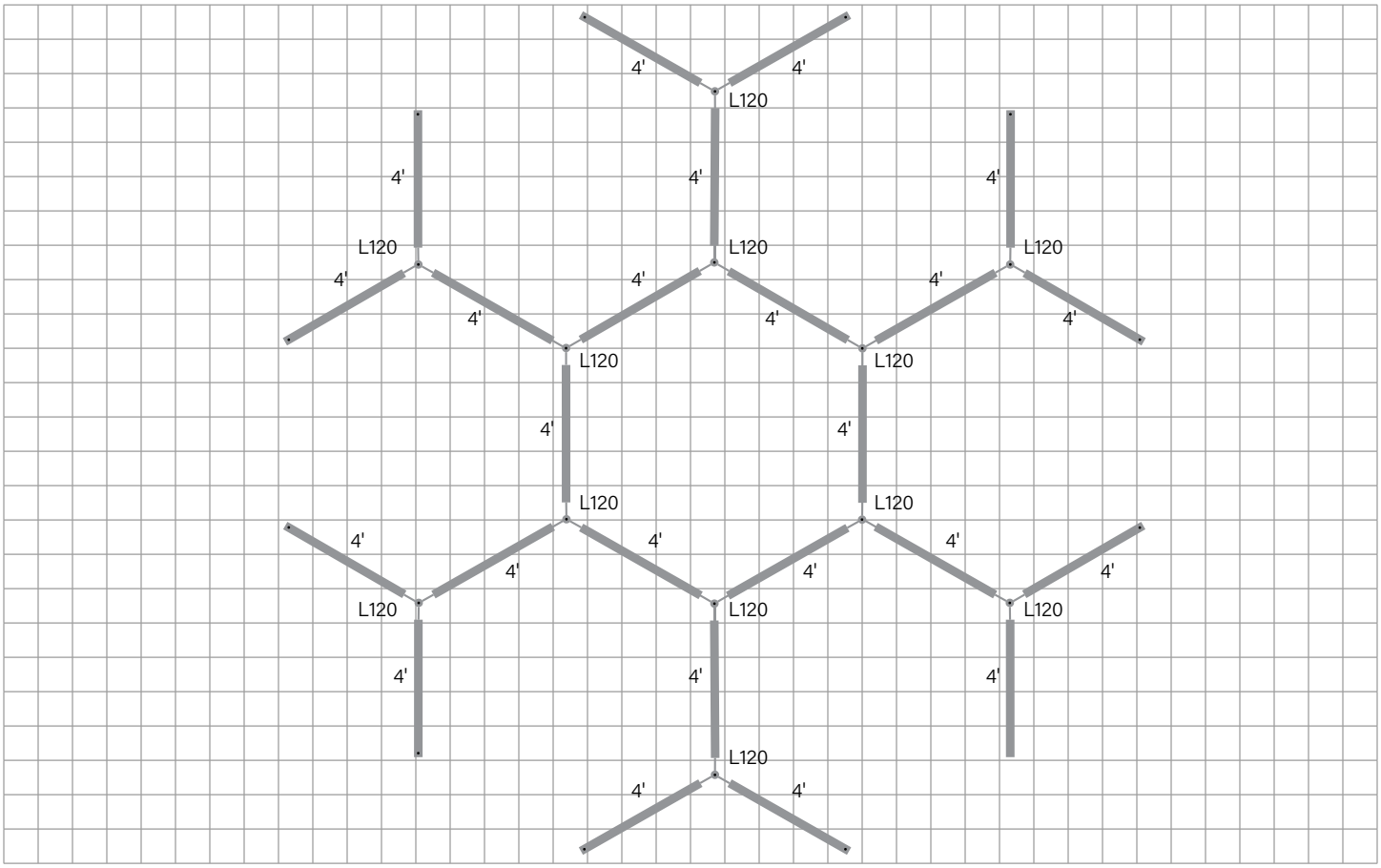
99CFG

Custom Configuration - Please provide a sketch or drawing showing desired configurations.

Examples



= 1 ft²



● = Suspension Points

[1] Drawings are not to scale

[2] 2' minimum length for linear sections

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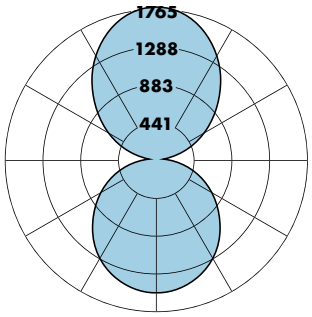
HPX Product Family - Pendant & Surface Mount

Indirect/Direct with Top Glow Photometry

4' Luminaire 3500K

HPX-P-ID-V-V-835-F-F
Uplight: Flush / **Downlight:** Flush

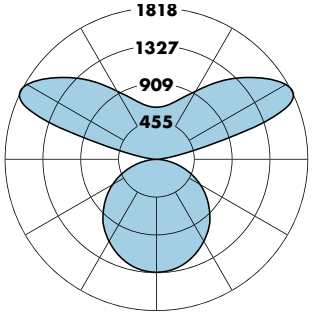
Distribution: 52% Up (**V**) / 48% Down (**V**)
Efficacy: 132 lm/W
Uplight: 4679 lumens (1170 lumens/ft)
Downlight: 4319 lumens (1080 lumens/ft)
Total luminaire output: 8998 lumens (2181 lm/ft)
68.4 watts (17.1W/ft)
Peak Candela Value: 1765 @ 180°
CRI: 80 / CCT: 3500K



Indirect/Direct with Widespread Optic Photometry 4' Luminaire 3500K

HPX-P-ID-V-V-835-WSO-F
Uplight: Widespread Optic / **Downlight:** Flush

Distribution: 53% Up (**V**) / 47% Down (**V**)
Efficacy: 135 lm/W
Uplight: 4863 lumens (1216 lumens/ft)
Downlight: 4312 lumens (1078 lumens/ft)
Total luminaire output: 9175 lumens (2294 lm/ft)
68.4 watts (17.1W/ft)
Peak Candela Value: 1818 @ 117.5°
CRI: 80 / CCT: 3500K



Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire

	↑S [1]			↑B [1]			↑H [1]			↑V [1]		
↓S [1]	3547	↑53%	↓47%	4085	↑59%	↓41%	5325	↑69%	↓31%	6354	↑74%	↓26%
↓B [1]	4040	↑46%	↓54%	4578	↑53%	↓47%	5817	↑63%	↓37%	6846	↑68%	↓32%
↓H [1]	5220	↑36%	↓64%	5757	↑42%	↓58%	6997	↑52%	↓48%	8026	↑58%	↓42%
↓V [2]	6192	↑30%	↓70%	6730	↑36%	↓64%	7969	↑46%	↓54%	8998	↑52%	↓48%

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire

	↑S [1]			↑B [1]			↑H [1]			↑V [1]		
↓S [1]	3618	↑54%	↓46%	4176	↑60%	↓40%	5463	↑69%	↓31%	6531	↑74%	↓26%
↓B [1]	4111	↑47%	↓53%	4669	↑54%	↓46%	5955	↑64%	↓36%	7023	↑69%	↓31%
↓H [1]	5290	↑37%	↓63%	5849	↑43%	↓57%	7135	↑53%	↓47%	8203	↑59%	↓41%
↓V [2]	6263	↑31%	↓69%	6821	↑37%	↓63%	8107	↑47%	↓53%	9175	↑53%	↓47%

Light Output, 3500K, 80 CRI (Lumens Per Foot)

	↑S [1]	↑B [1]	↑H [1]	↑V [1]
↓S [1]	887	1021	1331	1588
↓B [1]	1010	1144	1454	1712
↓H [1]	1305	1439	1749	2006
↓V [2]	1548	1682	1992	2250

Light Output, 3500K, 80 CRI (Lumens Per Foot)

	↑S [1]	↑B [1]	↑H [1]	↑V [1]
↓S [1]	905	1044	1366	1633
↓B [1]	1028	1167	1489	1756
↓H [1]	1323	1462	1784	2051
↓V [2]	1566	1705	2027	2294

Power, 3500K (Watts Per Foot)

	↑S [1]		↑B [1]		↑H [1]		↑V [1]	
	120V	270V	120V	270V	120V	270V	120V	270V
↓S [1]	6.9	7.2	7.9	8.1	10.1	10.2	12.0	12.1
↓B [1]	7.9	8.1	8.9	9.0	11.1	11.1	13.0	13.0
↓H [1]	10.1	10.2	11.1	11.1	13.3	13.2	15.2	15.1
↓V [2]	12.0	12.1	13.0	13.0	15.2	15.1	17.1	17.0

Power, 3500K (Watts Per Foot)

	↑S [1]		↑B [1]		↑H [1]		↑V [1]	
	120V	270V	120V	270V	120V	270V	120V	270V
↓S [1]	6.9	7.2	7.9	8.1	10.1	10.2	12.0	12.1
↓B [1]	7.9	8.1	8.9	9.0	11.1	11.1	13.0	13.0
↓H [1]	10.1	10.2	11.1	11.1	13.3	13.2	15.2	15.1
↓V [2]	12.0	12.1	13.0	13.0	15.2	15.1	17.1	17.0

Efficacy, 3500K, 80 CRI (Lumens Per Watt) 120 | 277

	↑S [1]		↑B [1]		↑H [1]		↑V [1]	
	120V	270V	120V	270V	120V	270V	120V	270V
↓S [1]	130	123	130	126	133	131	133	132
↓B [1]	129	125	129	127	132	131	132	132
↓H [1]	130	128	130	130	132	133	132	133
↓V [2]	129	128	130	130	131	132	132	133

Efficacy, 3500K, 80 CRI (Lumens Per Watt) 120 | 277

	↑S [1]		↑B [1]		↑H [1]		↑V [1]	
	120V	270V	120V	270V	120V	270V	120V	270V
↓S [1]	132	126	133	129	136	134	136	135
↓B [1]	131	127	132	130	135	134	135	135
↓H [1]	132	130	132	132	135	136	135	136
↓V [2]	131	130	131	131	134	135	134	135

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
1 Based on 4' luminaire 3500K Very High Output (**V**) test - 120V.

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
1 Based on 4' luminaire 3500K Very High Output (**V**) test - 120V.

Wattage is Real Power. Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%. If you would like additional details to calculate Apparent Power, please contact your local Finelite representative.

Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI	
3000K	0.970
3500K	1.000
4000K	1.030

Lumen Adjustment Factors 90 CRI	
3000K	0.830
3500K	0.860
4000K	0.890

High Output (**H**) / Standard Output (**S**), 4000K, 90 CRI
Lumen Adjustment Factor: 0.890
Total Light Output: 5325 lm x 0.890 = 4739 lm
Total Light Output per Foot: 1331 lm/ft x 0.890 = 1185 lm/ft.
watts/foot: 10.1 W/ft.

$$\textbf{Efficacy} = \frac{1185\ \frac{\text{lm}}{\text{ft.}}}{10.1\ \frac{\text{W}}{\text{ft.}}} = 117\ \text{lm/W}$$

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Submitted by:		Date:
Type:	Project:	
Ordering Info:		

FINELITE® Better Lighting

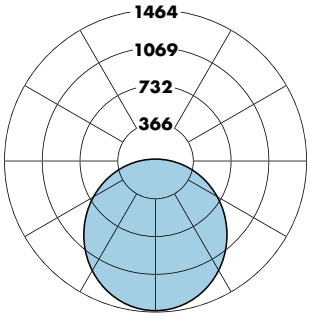
HPX Product Family - Pendant & Surface Mount

Direct & Surface Mount Photometry

4' Luminaire 3500k

HPX-P-D-V-835-F

Efficacy: 126 lm/W
Total luminaire output: 4321 lumens (1080 lumens/ft)
34.4 watts (8.6 watts/ft)
Peak Candela Value: 1464 @ 0°
CRI: 80 / CCT: 3500K



Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
↓S [1]	↓B [1]	↓H [1]	↓V [1]
1677	2169	3349	4321

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
↓S [1]	↓B [1]	↓H [1]	↓V [1]
419	542	837	1080

Power, 3500K (Watts Per Foot)							
↓S [1]		↓B [1]		↓H [1]		↓V [1]	
120V	270V	120V	270V	120V	270V	120V	270V
3.4	3.6	4.4	4.5	6.6	6.6	8.6	8.5

Efficacy, 3500K, 80 CRI (Lumens Per Watt)							
↓S [1]		↓B [1]		↓H [1]		↓V [1]	
120V	270V	120V	270V	120V	270V	120V	270V
122	116	123	121	126	127	126	128

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
1 Based on 4' luminaire 3500K Very High Output (**V**) test - 120V.

Wattage is Real Power. Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%. If you would like additional details to calculate Apparent Power, please contact your local Finelite representative.

Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI	
3000K	0.970
3500K	1.000
4000K	1.030

Lumen Adjustment Factors 90 CRI	
3000K	0.830
3500K	0.860
4000K	0.890

High Output (**H**), 4000K, 90 CRI
Lumen Adjustment Factor: 0.890
Total Light Output: 3349 lm x 0.890 = 2981 lm
Total Light Output per Foot: 837 lm x 0.890 = 745 lm
watts/foot: 6.6 W/ft.

$$\textbf{Efficacy} = \frac{745\ \frac{\text{lm}}{\text{ft.}}}{6.6\ \frac{\text{W}}{\text{ft.}}} = 113\ \text{lm/W}$$

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Protected by one or more US Patents: 8915613; 9681516,B2; D702,390

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Submitted by:	Date:
Type:	Project:
Ordering Info:	

FINELITE® Better Lighting

0-10V Tunable White

Finelite's contractor friendly Tunable White luminaires are available at low cost, with powerful and simple 0-10V tuning and intensity controls.

TUNABLE WHITE FEATURES

- CCT range: 2700K - 6500K
- Dimming Range: 100% to 10%
- CRI Options: 80 CRI or 90 CRI

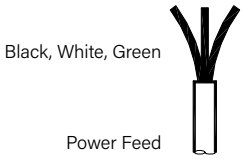
Note:
Dim to Off options available.

LUMINAIRE FAMILY MODIFICATIONS/RESTRICTIONS

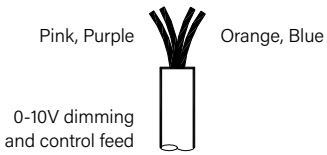
	Section Lengths										
Direct	**2'**	**3'**	**4'**	**5'**	**6'**	**7'**	**8'**	**9'**	**10'**	**11'**	**12'**
Output S,B,H,V Single Circuit	Rows can be comprised of 2'-12' sections.										
Integral Battery Backup (BSL310LP)			✓		✓		✓		✓		✓
Indirect/Direct											
Output S,B Single Circuit	✓		✓		✓		✓		✓		✓
Integral Battery Backup (BSL310LP)							✓		✓		✓
Output H,V Single Circuit			✓				✓				✓
Integral Battery Not Available	Remote Battery backup solution available. Contact Factory.										
Output S,B,H,V Dual Circuit			✓				✓				✓
Integral Battery Not Available	Remote Battery backup solution available. Contact Factory.										

EN/GEN sections available for all body lengths

DUAL FEED DETAIL



WIRING LEGEND		
Black	Hot	Line Voltage
White	Neutral	Line Voltage
Green	Ground	



WIRING LEGEND		
Pink	Dimming	0-10V DC
Purple	Dimming	0-10V DC
Orange	TW	0-10V DC
Blue	TW	0-10V DC

PHOTOMETRY

Apply a power adjustment factor to calculate wattage usage

POWER	CONVERSION FACTOR
	1.1X

(Example: a 50 watt luminaire in static white would draw 55 watts using 0-10V Tunable White)

Tunable White LUMINAIRES

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