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

FINELITE® Better Lighting

HPX Product Family - Pendant & Surface Mount

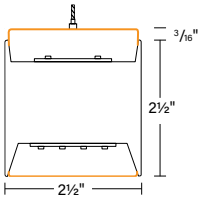
Signal White is standard finish

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.

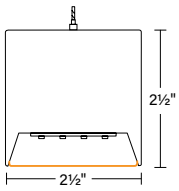
CROSS SECTIONS

Indirect/Direct
Top Glow Diffuser (standard)



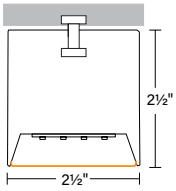
Flush Downlight Diffuser (standard)

Direct



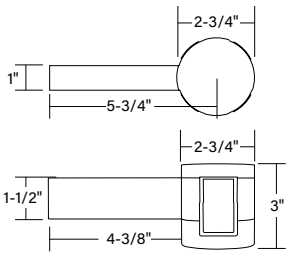
Flush Downlight Diffuser (standard)

Surface Mount



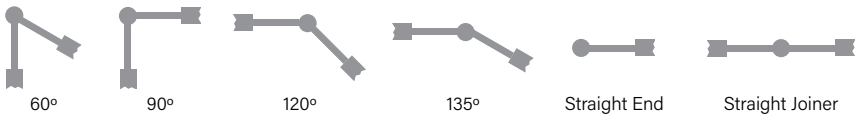
Flush Downlight Diffuser (standard)

Knuckle



1XP shown

STANDARD KNUCKLES *



T-Intersection Perpendicular

Y-Intersection 120°

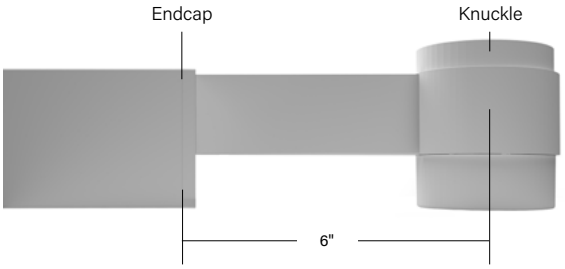
Non-uniform Y-Intersection 135°/90°

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.



Option Available

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

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FINELITE® Better Lighting

HPX Product Family - Pendant & Surface Mount

Clear Form

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** 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 (422 lm/ft) ◯ **B** - Boosted (531 lm/ft) ◯ **H** - High (803 lm/ft) ◯ **V** - Very High (1032 lm/ft) ◯ **TL** - Tailored: _____ lm/ft * * Specify lm/ft of outputs between Standard (S) and Very High (V). Consult factory for tailored lumen output outside of this range.	◯ **S** - Standard (411 lm/ft) ◯ **B** - Boosted (516 lm/ft) ◯ **H** - High (780 lm/ft) ◯ **V** - Very High (1003 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

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	Circuiting [2]	Driver Selection [3]
◯ **120** - 120 Voltage ◯ **277** - 277 Voltage ◯ **347** - 347 Voltage 347 Voltage not available for Knuckle options.	◯ **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)	**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% ◯ **DXL-DALI-1%** - EldoLED Dexal, 1% ◯ **ELD-DALI-0%** - EldoLED SOLOdrive, DALI 0.1% ◯ **ELD-DALI-TW** - EldoLED Dual Drive Light Shape, 1% *(Tunable White)* **DMX Driver Options** ◯ **FIN-DMX** - Finelite DMX 1% *(Tunable White - FineTUNE Controls Only)* [5] ◯ **ELD-DMX** - EldoLED POWERdrive, 0.1% ◯ **ELD-DMX-TW** - EldoLED POWERdrive, 0.1% *(Tunable White)* **Lutron Driver Options** ◯ **LUT-ES1** - Lutron, Ecosystem 1% ◯ **LUT-TW** - Lutron T-Series, EcoSystem 0.1% *(Tunable White)* See Page 3 for additional driver options and details

MOUNTING OPTIONS

Mounting Method	Ceiling Hardware Type
◯ **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 [6]	◯ **C1** - 15/16" T-Bar [7] ◯ **C2** - 9/16" T-Bar [7] ◯ **C3** - Screw Slot [7] ◯ **C4** - Hard Ceiling [7] ◯ **C1T** - 15/16" Tegular [7] ◯ **C2T** - 9/16" Tegular [7] ◯ **SMC4** - Surface Mount Hard Ceiling (Only available for HPX-SM)

OTHER OPTIONS

Endcap Style	Finish
◉ **FE** - Flat Endcap	◯ **SW** - Signal White ◯ **FB** - Finelite Black ◯ **SA** - Satin Aluminum ◯ **####** - RAL Color Code [8] _____

Emergency Style (Optional) See page 5 Backup Battery table — Clear Selection	Integrated Sensor (Optional) [11] — Clear Selection	
◯ **LGD18W** - Legrand 18W Brand Battery Back-up [9] ◯ **LGD10W** - Legrand 10W Brand Battery Back-up ◯ **EM/GEN** - Emergency to Generator ◯ **NL** - Night Light ◯ **BSL310LP** - Bodine Battery Back up Low Profile [10] ◯ **GTD** - Generator Transfer Device ◯ **ALCR** - Automatic Load Control Relay	◯ **OBO** - Occupancy ◯ **OBD** - Daylight ◯ **W601** - Wattstopper Sensor [12] ◯ **OBE** - Enlighted Sensor [13] ◯ **REE** - Remote Enlighted [14] ◯ **CLM** - Encelium Sensor ◯ **RE7** - nLight Air Sensor	◯ **AOCC-W** - Lutron Athena Sensor [15] *(Device Color White)* ◯ **AOCC-B** - Lutron Athena Sensor [15] *(Device Color Black)* ◯ **ARF-W** - Lutron Athena RF [15] *(Device Color White)* ◯ **ARF-B** - Lutron Athena RF [15] *(Device Color Black)* ◯ **VOCC** - Lutron Vive Sensor [16] ◯ **VRF** - Lutron Vive RF [16]

OTHER OPTIONS

Special Options (Optional) — Clear Selection
◯ **CP** - Chicago Plenum [17] ◯ **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 [18] ◯ **YINT x_____x 1Y120** - 120° Y-Intersection [18] ◯ **YINT x_____x 1Y135/90** - Non-uniform Y-Intersection [18] ◯ **L x _____ x_____ x L60** - "L" Shape with 60° ◯ **L x _____ x_____ x L90** - "L" Shape with 90° ◯ **STR x_____x 2E180** - Straight	◯ **L x _____ x_____ x L120** - "L" Shape with 120° ◯ **L x _____ x_____ x L135** - "L" Shape with 135° ◯ **E180** - Single Knuckle ◯ **CFG** - Configuration [19] 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] B & V outputs only
[6] Direct only
[7] C1, C2, C3 T-bar mounting for Pendant Only
[8] 20 Business day lead time for color
[9] Minimum 8ft required
[10] BSL310LP work with HPX Direct 8ft without sensor only
[11] Minimum fixture 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] Enlightened components installed by Finelite; Provided by OTHER
[14] Enlighted Control Unit & Sensor Cable installed for Remote mounting sensor
[15] 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
[16] Lutron Vive Ingrated Sensors require a DALI driver. Contact factory for Indirect Distribution.
[17] Only available with C1, C2, and C3 mounting hardware with Finelite Gridbox
[18] Require 2 power feed locations
[19] 4 weeks lead time for custom configurations

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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 (Logarithmic)
DXL-DALI-1%	EldoLED Dexal, DALI 1% Dimming (Logarithmic)
ELD-DALI-0%	EldoLED SOLOdrive, DALI 0.1% Dimming (Logarithmic)
ELD-DALI-1%	EldoLED ECOdrive, DALI 1% Dimming (Logarithmic)
ELD-DALI-TW	EldoLED DUALdrive Light Shape, DALI 1% Dimming, *Tunable White* (Logarithmic Dimming, Linear CCT Control)

DMX Driver Options	
FIN-DMX	Finelite, DMX 1% Dimming, *Tunable White* - **FineTUNE Controls Only** (Linear)
ELD-DMX	EldoLED POWERdrive, DMX 0.1% Dimming (8 Bit, 1CH) (Linear)
ELD-DMX-16	EldoLED POWERdrive, DMX 0.1% Dimming (16 Bit, 2CH) (Linear)
ELD-DMX-TW	EldoLED POWERdrive, DMX 0.1% Dimming, *Tunable White* (8 Bit, 2CH - CH1 Warm / CH2 Cool) (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, Ecosystem 1% Dimming
LUT-TW	Lutron T-Series, EcoSystem 1% Dimming, *Tunable White*

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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.

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: 90% of initial light output (L90) at 100,000+ hours; 70% of initial light output (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 powerfeed 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). DMX and power feed at same location (standard). DMX feeds cannot be cut or spliced. DMX feeds should be ordered based on fixed lengths. 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-ES (LDE1)** - (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:

LUTDTW 1% T-Series 2-Channel Digital Tunable White (PSQ Series).

MOUNTING TYPE

HANGING HARDWARE:

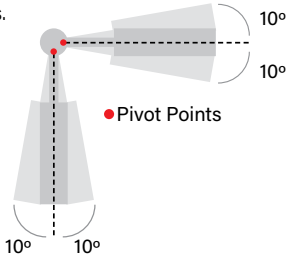
- **Pendant:** 50" Fully Adjustable (**FA**) plated steel aircraft cable with safety stop hardware standard. Contact factory for additional lengths up to 150". The Flexible Mounting Bracket (**FM**) [2] adjusts the suspension points to accommodate existing architecture. Suspension points adjust up to 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:

- **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.



[1] Indirect/Direct (ID) only
[2] Direct only

Continued

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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

TUNABLE WHITE ELECTRICAL OPTIONS:

- **TW Driver Options 0-10V:** EM/GEN, GTD, or Battery Back-up
- **FineTune DMX:** EM/GEN or Battery Back-up
- **DMX:** Battery Back-up
- **DALI:** EM/GEN, GTD, or Battery Back-up
- **LUTRON:** EM/GEN, GTD, or Battery Back-up

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'

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 fixture length with a sensor is 4ft.

FINISHES: Finelite Signal White (**SW**) powder coat standard. Finelite Black (RAL 9005) with semi gloss fine texture (**FB**) and Satin Aluminum (**SA**) are available. Optional Adders: 179 RAL colors. [3]

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: 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.

[3] 20 Business day lead time for color

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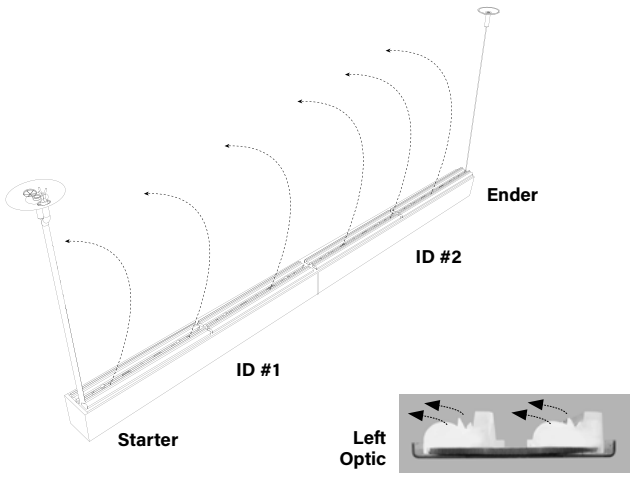
FINELITE® Better Lighting

HPX Product Family - Pendant & Surface Mount

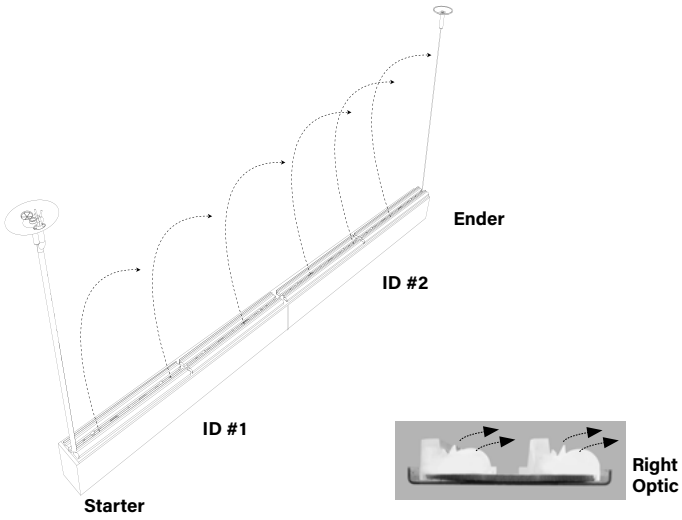
ASYMMETRIC OPTIONS

Use this tool to understand how to specify Asymmetric for your project. The diagrams below show a linear run from power feed to ender. Specify, ASYTG-L distributes light to the left or ASYTG-R distributes light to the right.

Asymmetric Left Optic (**ASYTG-L**)



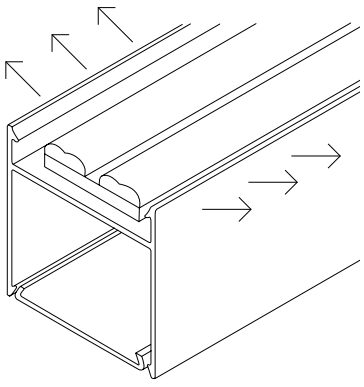
Asymmetric Right Optic (**ASYTG-R**)



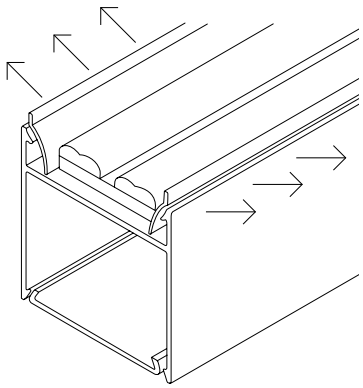
WIDESPREAD OPTIONS

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

Widespread Optic (**WSO**)

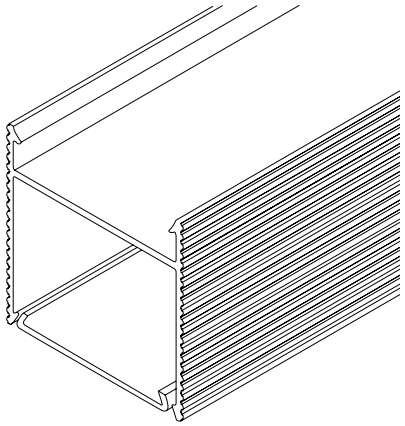


Widespread Optic Top Glow (**WSOTG**)



GROOVE OPTION

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



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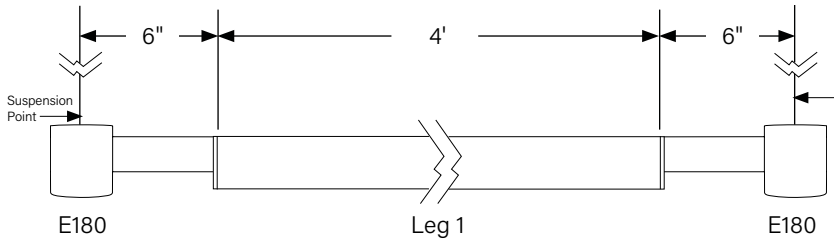
FINELITE® Better Lighting

HPX Product Family - Pendant & Surface Mount

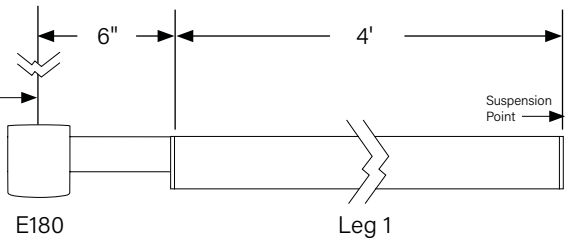
STANDARD CONFIGURATION EXAMPLES [1, 2]

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'



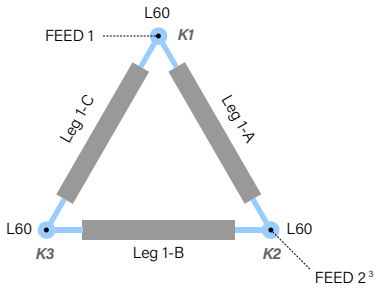
Potential location for joining note near " L " configuration example on page 9.

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

Example - STR x 4' x 2E180

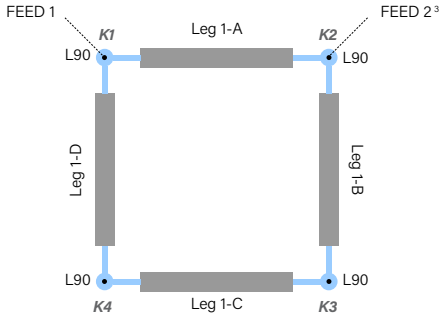
TRI x _____ x 3L60
Triangle - Provide Leg 1 dimension

Example - TRI x 4' x 3L60



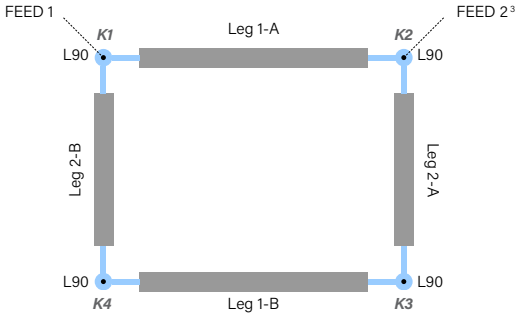
SQ x _____ x 4L90
Square - Provide Leg 1 dimension

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

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

FINELITE® Better Lighting

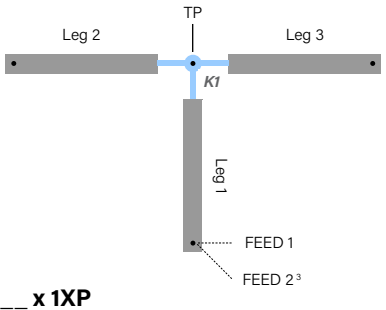
HPX Product Family - Pendant & Surface Mount

STANDARD CONFIGURATION EXAMPLES [1, 2]

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.

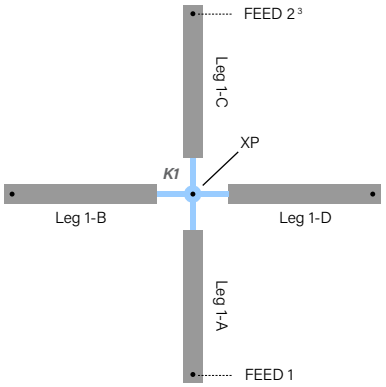
T x _____ x _____ x _____ x 1Y120
T-Intersection - Provide Leg 1, Leg 2, Leg 3 dimension

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



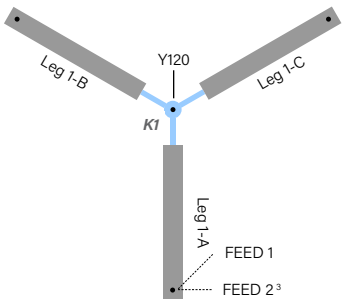
PLS x _____ x 1XP
Plus - Provide Leg 1 dimension

Example - PLS x 4' x 1XP



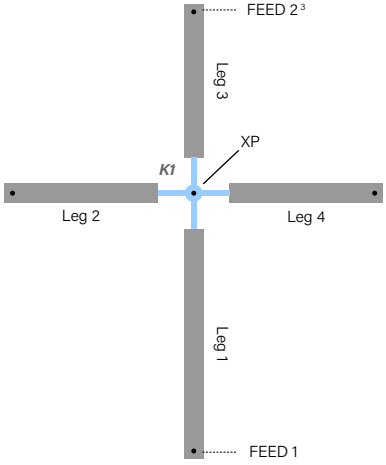
YINT x _____ x 1Y120
Y-Intersection - Provide Leg 1 dimension

Example - YINT x 4' x 1Y120



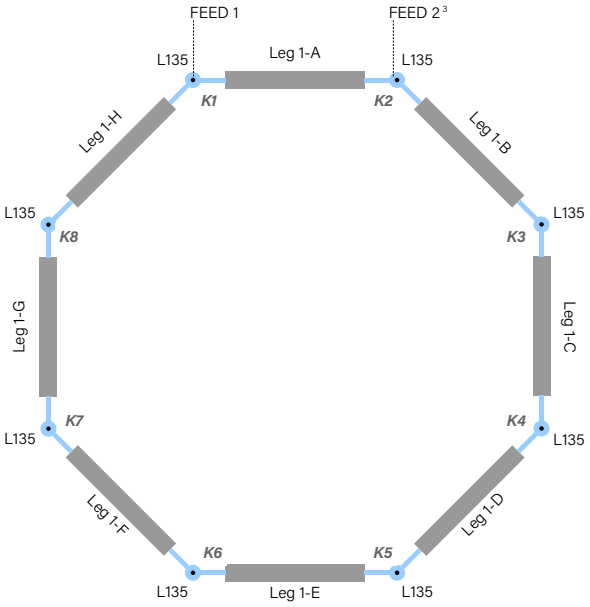
CRS x _____ x _____ x _____ x _____ x 1XP
CRS - Provide Leg 1, Leg 2, Leg 3, and Leg 4 dimension

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

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

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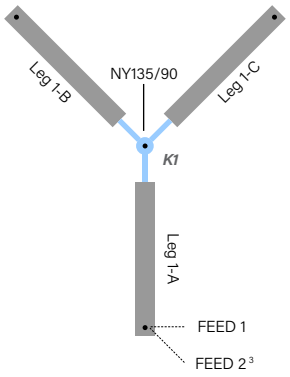
HPX Product Family - Pendant & Surface Mount

STANDARD CONFIGURATION EXAMPLES [1, 2]

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.

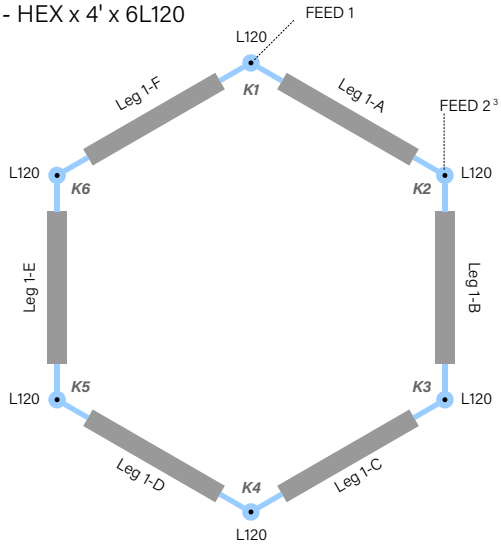
YINT x _____ x 1NY135/90
Y-Intersection - Provide Leg 1 dimension

Example - YINT x 4' x 1NY135/90



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

Example - HEX x 4' x 6L120

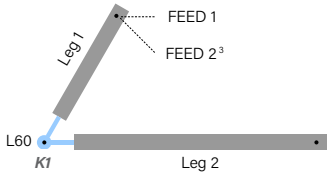


"L" SHAPE CONFIGURATION EXAMPLES [1, 2]

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

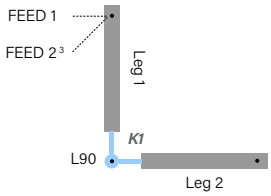
L x _____ x _____ x L60
L Shape - Provide Leg 1 and Leg 2 dimension

Example - L x 4' x 8' x L60



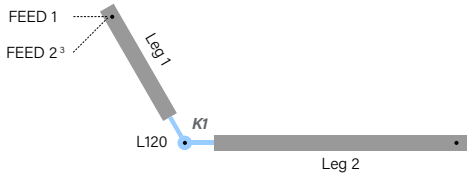
L x _____ x _____ x L90
L Shape - Provide Leg 1 and Leg 2 dimension

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
[2] 2' minimum length for linear sections
[3] Used for Dual Circuit Designs

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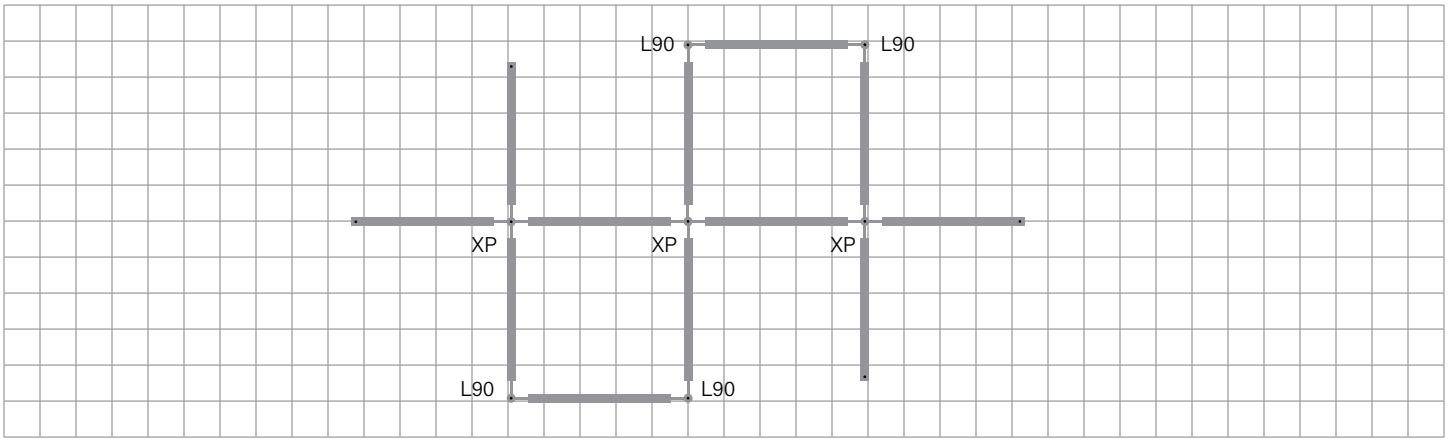
HPX Product Family - Pendant & Surface Mount

CUSTOM CONFIGURATION EXAMPLE [1, 2]

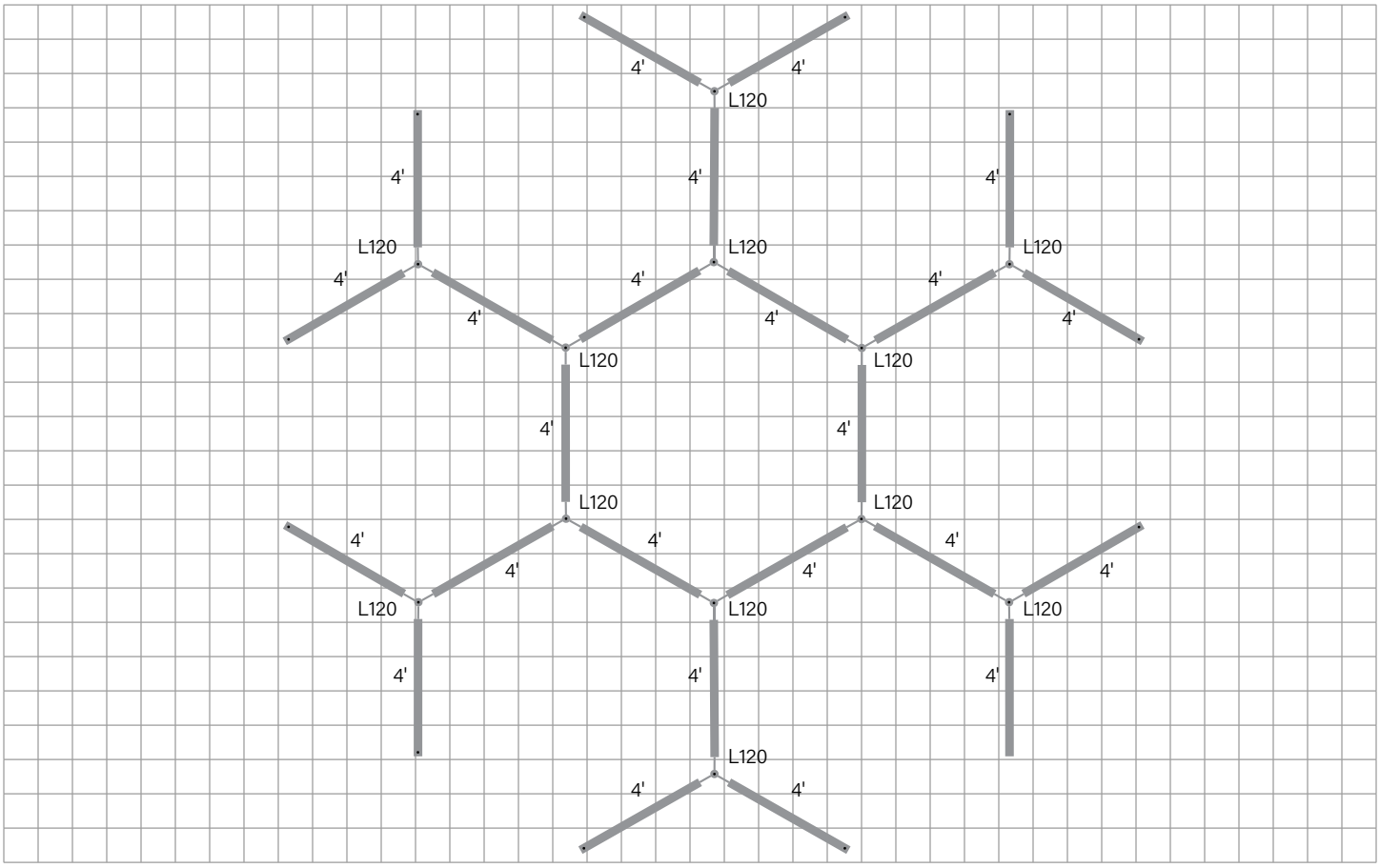
99CFG

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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FINELITE® Better Lighting

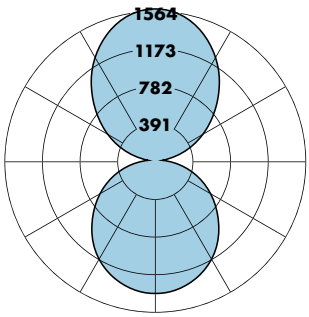
HPX Product Family - Pendant & Surface Mount

Indirect/Direct with Top Glow Photometry

4' Luminaire 3500K

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

Distribution: 50% Up (**V**) / 50% Down (**V**)
Efficacy: 119 lm/W
Uplight: 4073 lumens (1018 lumens/ft)
Downlight: 4111 lumens (1028 lumens/ft)
Total luminaire output: 8184 lumens
68.9 watts
Peak Candela Value: 1564 @ 180°
CRI: 80 / CCT: 3500K
ITL LM79 Report 92550



Complete LM79 LED Photometry

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

	↑S¹	↑B¹	↑H¹	↑V²
↓S¹	3350 [↑50% | 50%↓]	3783 [↑56% | 44%↓]	4865 [↑66% | 34%↓]	5778 [↑71% | 29%↓]
↓B¹	3779 [↑45% | 55%↓]	4212 [↑50% | 50%↓]	5293 [↑60% | 40%↓]	6207 [↑66% | 34%↓]
↓H¹	4851 [↑35% | 65%↓]	5283 [↑40% | 60%↓]	6365 [↑50% | 50%↓]	7279 [↑56% | 44%↓]
↓V¹	5756 [↑29% | 71%↓]	6189 [↑34% | 66%↓]	7270 [↑44% | 56%↓]	8184 [↑50% | 50%↓]

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

	↑S¹	↑B¹	↑H¹	↑V²
↓S¹	838	946	1216	1445
↓B¹	945	1053	1323	1552
↓H¹	1213	1321	1591	1820
↓V¹	1439	1547	1818	2046

Power, 3500K, 80 CRI (Watts Per Foot)

	↑S¹	↑B¹	↑H¹	↑V²
↓S¹	6.7	7.7	10.0	12.0
↓B¹	7.7	8.6	10.9	12.9
↓H¹	10.0	10.9	13.2	15.2
↓V¹	12.0	12.9	15.2	17.2

Efficacy, 3500K, 80 CRI (Lumens Per Watt)

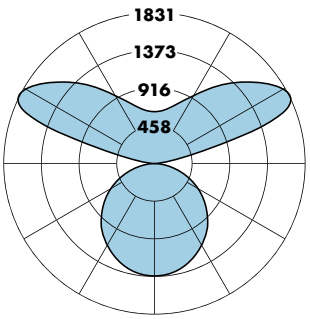
	↑S¹	↑B¹	↑H¹	↑V²
↓S¹	124	124	122	121
↓B¹	123	123	122	120
↓H¹	122	121	120	120
↓V¹	120	120	119	119

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.
² Based on ITL report: 92550

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

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

Distribution: 51% Up (**V**) / 49% Down (**V**)
Efficacy: 119 lm/W
Uplight: 4223 lumens (1056 lumens/ft)
Downlight: 4005 lumens (1001 lumens/ft)
Total luminaire output: 8228 lumens
69.0 watts
Peak Candela Value: 1831 @ 117.5°
CRI: 80 / CCT: 3500K
ITL LM79 Report 92549



Complete LM79 LED Photometry

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

	↑S¹	↑B¹	↑H¹	↑V²
↓S¹	3368 [↑51% | 49%↓]	3813 [↑57% | 43%↓]	4924 [↑67% | 33%↓]	5862 [↑72% | 28%↓]
↓B¹	3790 [↑46% | 54%↓]	4234 [↑51% | 49%↓]	5346 [↑61% | 39%↓]	6284 [↑67% | 33%↓]
↓H¹	4844 [↑36% | 64%↓]	5288 [↑41% | 59%↓]	6400 [↑51% | 49%↓]	7338 [↑58% | 42%↓]
↓V¹	5734 [↑30% | 70%↓]	6179 [↑35% | 65%↓]	7290 [↑45% | 55%↓]	8228 [↑51% | 49%↓]

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

	↑S¹	↑B¹	↑H¹	↑V²
↓S¹	842	953	1231	1466
↓B¹	947	1059	1336	1571
↓H¹	1211	1322	1600	1835
↓V¹	1433	1545	1822	2057

Power, 3500K, 80 CRI (Watts Per Foot)

	↑S¹	↑B¹	↑H¹	↑V²
↓S¹	6.8	7.7	10.0	12.0
↓B¹	7.7	8.6	10.9	12.9
↓H¹	10.0	10.9	13.2	15.2
↓V¹	12.0	12.9	15.2	17.3

Efficacy, 3500K, 80 CRI (Lumens Per Watt)

	↑S¹	↑B¹	↑H¹	↑V²
↓S¹	125	124	123	122
↓B¹	124	123	123	122
↓H¹	121	121	121	120
↓V¹	119	120	120	119

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.
² Based on ITL report: 92549

Wattage is Real Power. 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	0.985
3500K	1.000
4000K	1.032

Lumen Adjustment Factors 90 CRI	
3000K	0.746
3500K	0.760
4000K	0.789

High Output (**H**) / Standard Output (**S**), 4000K, 90 CRI
Lumen Adjustment Factor: 0.789
Total Light Output: 4924 lm x 0.789 = 3885 lm
Total Light Output per Foot: 1231 lm/ft x 0.789 = 971 lm/ft.
watts/foot: 10.0 W/ft.

$$\textbf{Efficacy} = \frac{971 \ \frac{\text{lm}}{\text{ft.}}}{10.0 \ \frac{\text{W}}{\text{ft.}}} = 97 \text{ lm/W}$$

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FINELITE® Better Lighting

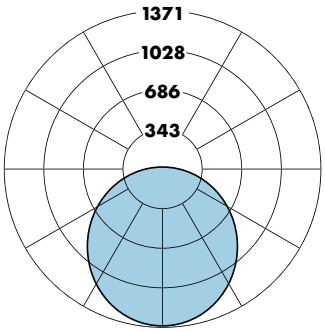
HPX Product Family - Pendant & Surface Mount

Direct & Surface Mount Photometry

4' Luminaire 3500k

HPX-P-D-V-835-F

Efficacy: 120 lm/W
Total luminaire output: 4011 lumens (1003 lumens/ft)
33.5 watts (8.4 watts/ft)
Peak Candela Value: 1371 @ 0°
CRI: 80 / CCT: 3500K
ITL LM79 Report 92552



CANDLEPOWER SUMMARY

	0.0	22.5	45.0	67.5	90.0	Flux
0	1371	1371	1371	1371	1371	
5	1365	1364	1364	1364	1364	130
15	1321	1312	1318	1320	1317	372
25	1228	1215	1225	1225	1223	564
35	1092	1081	1092	1090	1087	681
45	920	915	921	919	915	709
55	723	721	723	722	719	645
65	507	507	509	509	507	503
75	290	288	292	293	294	308
85	88	89	91	94	94	101
90	0	0	0	0	0	

Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
S[1]	**B[1]**	**H[1]**	**V[2]**
1642	2064	3120	4011

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
S[1]	**B[1]**	**H[1]**	**V[2]**
410	516	780	1003

Power, 3500K, CRI (Watts Per Foot)			
S[1]	**B[1]**	**H[1]**	**V[2]**
3.3	4.2	6.4	8.4

Efficacy, 3500K, 80 CRI (Lumens Per Watt)			
S[1]	**B[1]**	**H[1]**	**V[2]**
125	124	121	120

Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI	
3000K	0.985
3500K	1.000
4000K	1.032

Lumen Adjustment Factors 90 CRI	
3000K	0.746
3500K	0.760
4000K	0.789

High Output (**H**), 4000K, 90 CRI

Lumen Adjustment Factor: 0.789

Total Light Output: 3120 lm x 0.789 = 2462 lm

Total Light Output per Foot: 780 lm x 0.789 = 615 lm

watts/foot: 6.4 W/ft.

$$\textbf{Efficacy} = \frac{615\ \frac{\text{lm}}{\text{ft.}}}{6.4\ \frac{\text{W}}{\text{ft.}}} = 96\ \text{lm/W}$$

Wattage is Real Power. If you would like additional details to calculate Apparent Power, please contact your local Finelite representative.

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.
[2] Based on ITL report: 92552

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Ordering Info:	

FINELITE® Better Lighting

0-10V Tunable White

Finelite's award-winning, 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

PHOTOMETRY

Apply a power adjustment factor to calculate wattage usage

POWER	CONVERSION FACTOR
	1.1X

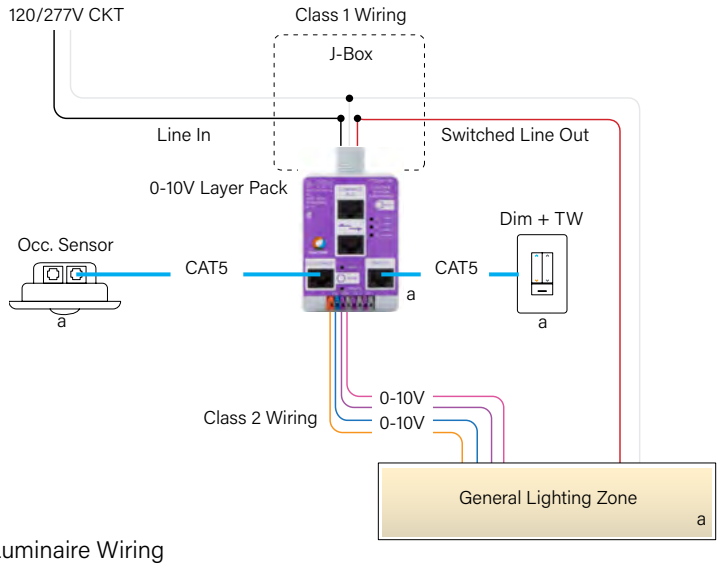
(Example: a 50 watt luminaire in static white would draw 55 watts using 0-10V Tunable White)

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

WIRING DIAGRAM - DIMMABLE TO 10%

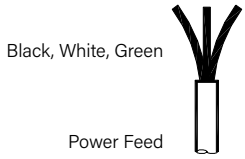


Luminaire Wiring

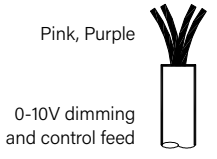
- **Purple** (+) / **Pink** (-) control wires are for intensity control
- **Orange** (+) / **Blue** (-) control wires are for Tunable White control

Note:
Load or Dim to Off options available.

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

Tunable White LUMINAIRES

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