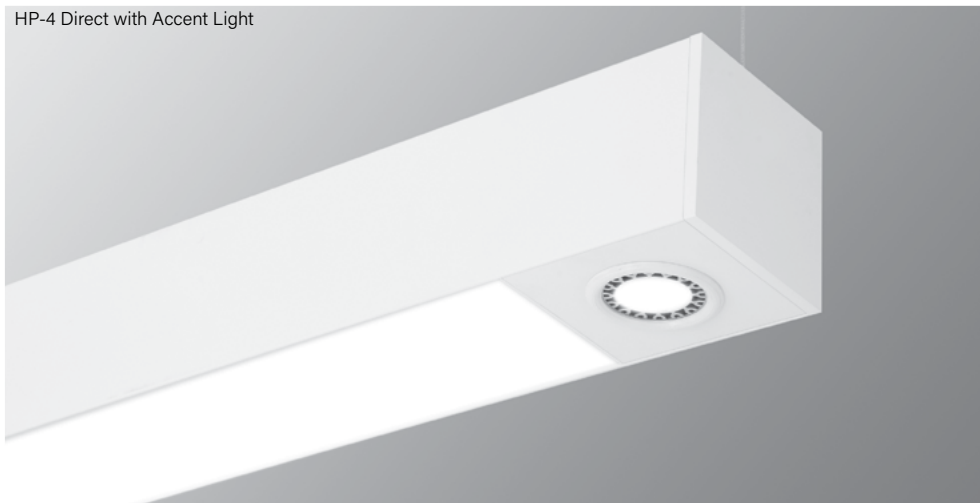


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 4" Aperture (HP-4) with Accent Light

HP-4 Direct with Accent Light



The High Performance 4" Aperture Pendant family Indirect/Direct, Direct, and Recessed now available with Accent Light. The luminaire delivers excellent performance using an advanced optical design and mid-power LEDs, achieving 90% of initial light output at 100,000+ hours.

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.

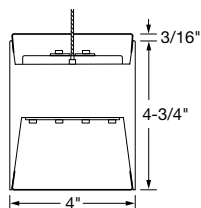
Signal White is standard finish

Note: see page 6 for all aesthetic options

CROSS SECTIONS

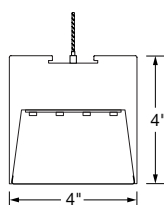
Indirect/Direct

Top Glow Diffuser
(standard)



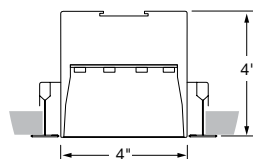
Flush Downlight Diffuser
(standard)

Direct



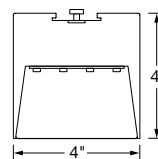
Flush Downlight Diffuser
(standard)

Recessed



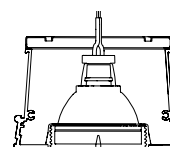
Flush Downlight Diffuser
(standard)

Surface Mount



Flush Downlight Diffuser
(standard)

Accent Light



Specifiable with LED
MR16 lamps (by Others)

LUMEN OUTPUT PACKAGES



Standard



Boosted
Standard



High



Very High



Declare.



Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

Page 1

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

High Performance 4" Aperture (HP-4) with Accent Light

BODY TYPE

Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Run Length of Configuration	Uplight Output ID & I Only ¹ (Flush)	Downlight Output ID & D Only ¹ (Flush)	LED CRI/CCT
HP - High Performance	4	P - Pendant R - Recessed SM - Surface Mount	D - Direct ID - Indirect/Direct	Minimum 2' increments accurate to 1/16" (±1/32"), standard. 12-foot maximum section length.	S - Standard (428 lm/ft) B - Boosted (538 lm/ft) H - High (813 lm/ft) V - Very High (1045 lm/ft) TL - Tailored: _____ lm/ft*	S - Standard (379 lm/ft) B - Boosted (477 lm/ft) H - High (721 lm/ft) V - Very High (927 lm/ft) TL - Tailored: _____ lm/ft*	830 - 80 CRI, 3000K 835 - 80 CRI, 3500K 840 - 80 CRI, 4000K 930 - 90 CRI, 3000K 935 - 90 CRI, 3500K 940 - 90 CRI, 4000K 8TW - 80 CRI, Tunable White 9TW - 90 CRI, Tunable White

OUTPUT and LED TYPE

MECHANICAL/OPTICAL OPTIONS

Uplight Optics ID Only	Downlight Optics ID & D Only	Reflector System	Voltage	Circuiting ³
TG - Top Glow (standard) F - Flush WSO - Widespread Optic WSOTG - Widespread Optic with Top Glow ASY-L - Asymmetric Left Optic ASY-R - Asymmetric Right Optic ASYTG-L - Asymmetric Left Optic with Top Glow ASYTG-R - Asymmetric Right Optic with Top Glow	F - Flush (standard)	96 - 96 Low Gloss White	120 - 120 Voltage 277 - 277 Voltage 347 - 347 Voltage ²	SC - Single Circuit* One single circuit in a run DC - Dual Circuit* ⁷ Independent control of up and down separately in an I/D style fixture MC - Multi-Circuit* More than one switch leg or zone (not 'DC' independent control of up and down separately for an I/D style fixture). Factory shop drawings required * Battery, Night Light, and Emergency to Generator circuits are in addition to the normal luminaire circuit(s)

ELECTRICAL OPTIONS

ELECTRICAL OPTIONS

MOUNTING OPTIONS

Driver Selection	Mounting Method	Ceiling Hardware Type
0-10V Driver Options FC-10% - 0-10V 10% (standard) FC-1% - 0-10V 1% OTI-10% - EldoLED OTI, 0-10V 10% ⁴ OTI-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, 0.1% ELD-DALI-TW - EldoLED DUALdrive LightShape, 1% (Tunable White)	DMX Driver Options FIN-DMX - Finelite DMX 1% (Tunable White - FineTune Controls Only) ⁴ 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	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 C2 - 9/16" T-Bar C3 - Screw Slot C4 - Hard Ceiling ⁷ C1T - 15/16" Tegular ⁸ C2T - 9/16" Tegular ⁸ C3F - Flush Screw Slot SF - Spackle Flange VF - Visible Flange TZ6 - Tech Zone 6" _____ (C1, C2, C2T, C3, C3F) See page 8 for flange information

OTHER OPTIONS

Endcap Style	Emergency Style (Optional) See page 5 Backup Battery table	Accent Light Source ¹⁰	Accent Light Quantity ¹⁰
FE - Flat Endcap (standard)	LGD18W - Legrand 18W Brand Battery Back-up LGD10W - Legrand 10W Brand Battery Back-up EM/GEN - Emergency to Generator NL - Night Light BSL722 - Bodine Battery Back up BSL310LP - Bodine Battery Back up Low Profile GTD - Generator Transfer Device ALCR - Automatic Load Control Relay	MR16 - MR16 (GU 5.3) NOTE: See page 9 for Accent Light info	QTY - _____
Finish			Accent Downlight Diffuser ¹⁰
SW - Signal White FB - Finelite Black SA - Satin Aluminum #### - RAL Color Code ⁹ _____			SI - Section between accents is illuminated NB - Section between accents is non-illuminated

OTHER OPTIONS

Integrated Sensor (Optional)	Special Options (Optional)
OBO - Occupancy OBD - Daylight W601 - Wattstopper Sensor ¹² OBE - Enlighth Sensor ¹¹ REE - Remote Enlighth ¹³ CLM - Encellum Sensor RE7 - nLight Air Sensor	AOCC-W - Lutron Athena Sensor (Device Color White) ¹⁴ AOCC-B - Lutron Athena Sensor (Device Color Black) ¹⁴ ARF-W - Lutron Athena RF (Device Color White) ¹⁴ ARF-B - Lutron Athena RF (Device Color Black) ¹⁴ VOCC - Lutron Vive Sensor ¹⁵ VRF - Lutron Vive RF ¹⁵ CP - Chicago Plenum ¹⁶ RLA - Red List Approved RLD - Red List Declared

¹ Consult factory for tailored lumen output
² Not available for Accent Light
³ Contact factory for switching options
⁴ Add DTO to gain "Dim to Off" functionality (FC-10% - DTO, FC-1% - DTO)
⁵ B & V outputs only
⁶ Direct only
⁷ Surface Mount only

⁸ Pendant only
⁹ 20 business days lead time for color
¹⁰ Accent lighting only. Lamp by Others. See Page 9 for more details
¹¹ Enlighth components installed by Finelite, provided by others
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 Enlighth for Wall Wash fixtures. Enlighth Control Unit & Sensor Cable installed for Remote mounting sensor
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 Integrated Sensors require a DALI driver
¹⁶ Only available with C1, C2, and C3 mounting hardware with Finelite Gridbox installed for Remote mounting sensor

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

High Performance 4" Aperture (HP-4) with Accent Light

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, <i>Tunable White</i> (Linear)
10V-TW-10%-DTO	EldoLED OTi, 0-10V 10% Dimming, Dim-to-Off, <i>Tunable White</i> (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 0.1% Dimming, <i>Tunable White</i> (Logarithmic Dimming, Linear CCT Control)

DMX Driver Options

FIN-DMX	Finelite, DMX 1% Dimming, <i>Tunable White</i> - 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, <i>Tunable White</i> (8 Bit, 2CH - CH1 Warm / CH2 Cool) (Linear)
ELD-DMX-TW16	EldoLED POWERdrive, DMX 0.1% Dimming, <i>Tunable White</i> (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 0.1% Dimming, <i>Tunable White</i>

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

High Performance 4" Aperture (HP-4) with Accent Light

SPECIFICATIONS

BODY TYPE

CONSTRUCTION: Precision-cut 6061-T6 extruded aluminum body. Internal joiner system, plug-together wiring, standard.

LENGTHS: Any length, 2' minimum, in increments down to 1/16" ($\pm 1/32$ "). 12' maximum section length.

MITERED CORNERS: Illuminated 90° corners in a single plane, available with Flush Diffuser. Contact factory for custom angles.

OUTPUT AND LED TYPE

LIGHT OUTPUT: Four lumen packages available, Standard (**S**), Boosted Standard (**B**), High (**H**), and Very High (**V**). For lengths 3 feet and greater, the uplight and downlight can be specified with different lumen packages and dual controls. For Tailored Outputs (**TL**), consult factory for range outside between Standard (**B**) to Very High (**V**). Light engines are replaceable.

MECHANICAL/OPTICAL OPTIONS

UPLIGHT OPTION¹: Patented Top Glow frost white diffuser standard. 12 ft. maximum diffuser length. 73% transmissive, 99% diffusion. Internal secondary diffusers at corners ensure visually seamless, uniform, continuous illumination options include: Flush frost white snap-in diffuser, 73% transmissive, 99% diffusion; Widespread Optic (**WSO**) and Widespread Optic with Top Glow (**WSOTG**); WSO enables increased luminaire spacing with improved ceiling uniformity. Asymmetric optic directs light in a specific direction. (**ASY-L**) distributes light to the left, (**ASY-R**) distributed light to the right of the luminaire. Consult factory for more tailored lumen outputs.

DOWNLIGHT OPTION: 12' maximum diffuser length. Flush frost white snap-in diffuser standard, 73% transmissive, 99% diffusion. Internal secondary diffusers at corners ensure visually seamless, uniform, continuous illumination. Available with Flush (**F**). Available with a solid endcap or an endcap with a diffuse filler to continue the luminous aesthetic. MR16, see page 9 for details or consult factory. For Tailored Outputs (**TL**), specify lm/ft² of outputs between those of Boosted (**B**) and Very High (**V**). Consult factory for more tailored lumen outputs. Non-illuminated sections (**NB**) are filled with Standard Flush diffuser.

LUMEN MAINTENANCE: 90% of initial light output (L90) at 100,000+ hours; 70% of initial light output (L70) at 200,000+ hours.

REFLECTORS: Die-formed 20-gauge cold-rolled steel reflectors finished in 96LG High Reflectance white powder coat paint.

ELECTRICAL OPTIONS

STATIC WHITE FEED: Standard with one 18-gauge/5-conductor single-circuit feed controlling uplight and downlight together (power and dimming). Specify dual feeds for independent control of uplight and

downlight. 14-gauge feed used when luminaire current exceeds 5 amps.

TUNABLE WHITE FEED: Standard with one 18-gauge/5-conductor single-circuit feed. 14-gauge feed used when fixture current exceeds 5 amps. DMX and power feed at same location (standard). DMX feeds cannot be cut or spliced. DMX feeds should be ordered based on fixed lengths.

STATIC WHITE DRIVER: Replaceable 120V, 277V, and 347V³ constant current reduction dimming driver standard. Can be wired dimming or non-dimming. 0-10V dimming controls with a range of 100%-10% standard. Dimming to 1% available. 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 (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:** ≥ 0.90
- **Total Harmonic Distortion (THD):** <20%
- **Dimming Range:** 100%-10%
- **Expected driver lifetime:** 100,000 hours
- **FineTune DMX:** 1%

LUTRON TUNABLE WHITE DRIVER OPTION: LUT-TW (0.1% T-Series 2-Channel Digital Tunable White (PSQ Series)).

MOUNTING OPTIONS

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' or 12' fixture lengths and up to 1' in on shorter lengths. **Recessed:** Standard bracket design works with most lay-in ceiling types. Brackets secure luminaire to the ceiling grid from above. Tie-in T-Bar brackets connect the luminaire to the T-Bar for securing to structure. Consult local codes for tie-wire recommendations. **Surface Mount:** Lay-in ceiling types: caddy clip with 1/4" - 20 stud and nut. Drywall or concrete surfaces (walls or ceilings): 1/4" - 20 stud and nut (provided by others). Mounted with three equidistant suspension points.

¹ Indirect/Direct only

² Direct only

³ Not available for Accent Lighting

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

High Performance 4" Aperture (HP-4) with Accent Light

SPECIFICATIONS

TUNABLE WHITE DMX HANGING HARDWARE: For grid ceiling applications the dual GridBox™ mounting is supplied (standard). For hard ceiling applications the ceiling mounting box is supplied (standard). DMX feeds cannot be cut or spliced. DMX feeds should be ordered based on fixed lengths. Available DMX pendant feed lengths are 5', 12', and 30' (5' standard).

TUNABLE WHITE DMX INTERCONNECTION CABLES: Luminaires are pre-wired with plug-and-play interconnection cables to support easy plug-together joining of fixture runs. If a non-FineTune DMX system is specified, a DMX to RJ45 adapter is provided.

OTHER OPTIONS

ENDCAPS: Flat diecast aluminum endcaps (**FE**) add 1/4" to each end of luminaire. 1" Drop Down Lens Endcap (**DE**) includes diffuse element to continue luminance of drop lens.

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

Backup Battery

	Legrand 18W	Legrand 10W/ Bodine BSL310LP
HP4-P-D		
Min. Housing Length	8'	4'
EM Lumen Output	1854	1102
EM Section Illum.	2'	2' or 4'
HP4-P-ID		
Min. Housing Length	8'	4'
EM Lumen Output	1854	1102
EM Section Illum.	2'	2' or 4'
HP4-R-D		
Min. Housing Length	8'	4'
EM Lumen Output	2000	1189
EM Section Illum.	4'	4'
HP4-SM-D		
Min. Housing Length	8'	4'
EM Lumen Output	1854	1102
EM Section Illum.	4'	2' or 4'

* Minimum fixture housing length for battery pack approved without sensor

Bodine GTD and Legrand ALCR Min. Length

Configuration	Min Length
Generator	D-2'; ID-3'
Generator + OCC	D-2'; ID-3'
Daylight	D-2'; ID-3'
Generator + Daylight	D-2'; ID-3'

TUNABLE WHITE ELECTRICAL OPTIONS⁴:

- **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

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.

FINISHES: Finelite Signal White (**SW**) powder coat standard. Finelite Black 9005 with semi gloss fine texture (**FB**) and Satin Aluminum (**SA**) is available. Optional Adders: 179 RAL colors⁵.

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. These fixtures are rated for Damp Location. Chicago Plenum options available for C1, C2, or C3 suspension using our GridBox. 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. Consult factory for tailored lighting options. Finelite makes the specification process easy when putting healthier products on your projects. Simply add - **RLA** (Red List Approved) or - **RDL** (Red List Declared) to your part number.

WEIGHT⁶: ID - 3.4 lb/ft; D & SM - 2.8 lb/ft

DLC QUALIFIED: Contact factory

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

⁴ Consult Finelite for Generator Transfer Device and Battery Back up fit

⁵ 20 business days lead time for color

⁶ Excludes Battery Back up and Generator Transfer Device weight

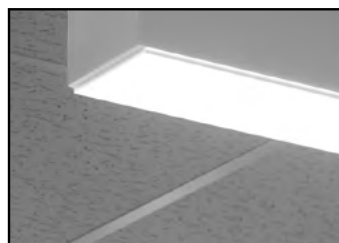
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Type:	Project:	
Ordering Info:		

High Performance 4" Aperture (HP-4) with Accent Light

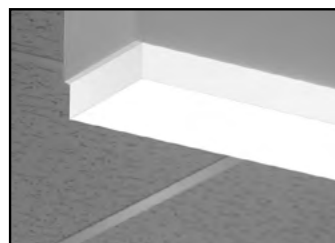
AESTHETIC OPTIONS



Flush Diffuser (F)



Bottom Glow Diffuser (BG)



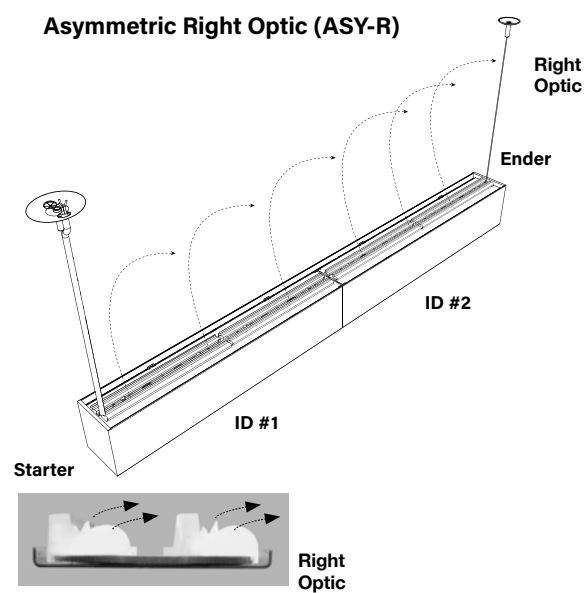
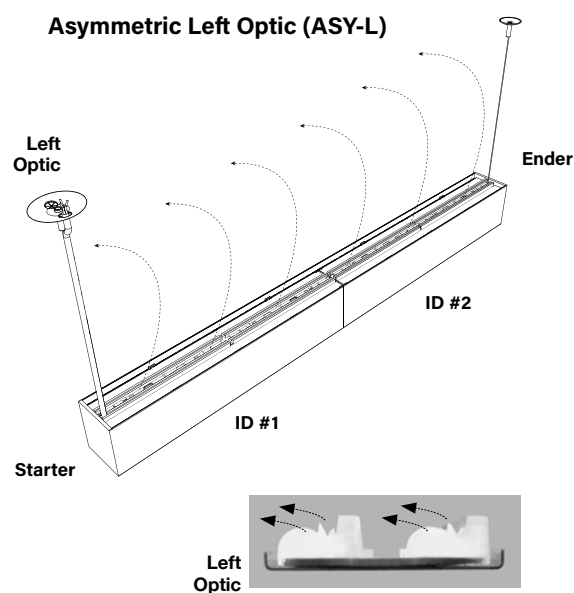
1" Drop Down Lens (DL)



Accent Light Housing¹ (MR16)

ASYMMETRIC OPTIONS²

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 ASY-L distributes light to the left or ASY-R distributes light to the right.



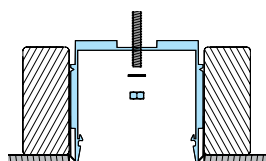
¹ By others
² Indirect/Direct only

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

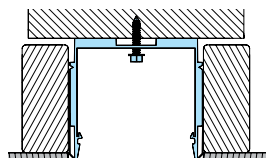
High Performance 4" Aperture (HP-4) with Accent Light

Hard Ceiling Mounting Options

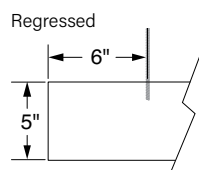
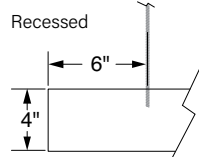
Threaded Rod Option



Screw Mount Option

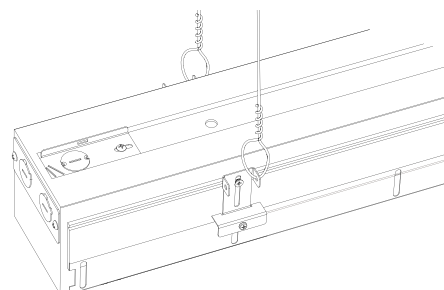


**Mounting Location for
Securing to Structure**



Two mounting options: threaded rod and screw mounting options. Mounting locations are located on each end of the luminaire. Mounting location is 6" away from each end of luminaire.

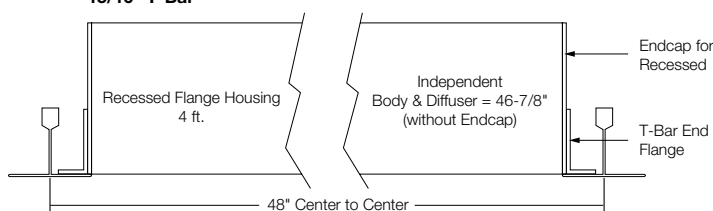
T-Bar Installation



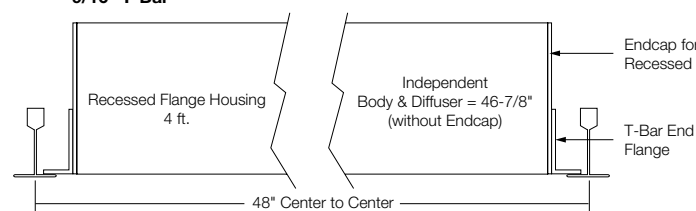
HP-4 R for T-Bar installations comes standard with a splice plate at the end of the luminaire. Mounting brackets (supplied) secure the luminaire to T-Bar and provide support to structure location. All even foot length (2, 4, 6, ...) luminaire runs are reduced in length by an appropriate amount to fit within typical 2x2 and 2x4 T-Bar grid systems. For uncommon T-Bar systems please consult factory.

Grid Length Detail - 4' Example

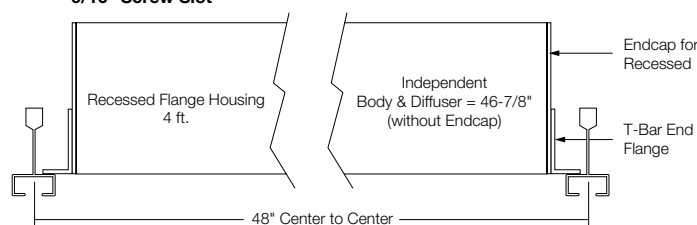
15/16" T-Bar



9/16" T-Bar

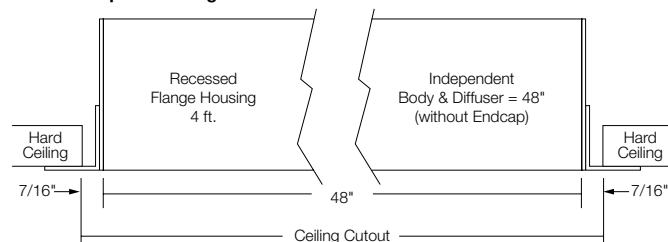


9/16" Screw Slot

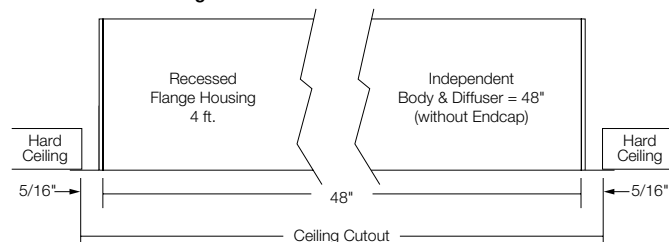


Hard Ceiling Length Detail - 4' Example

Spackle Flange



Visible Flange

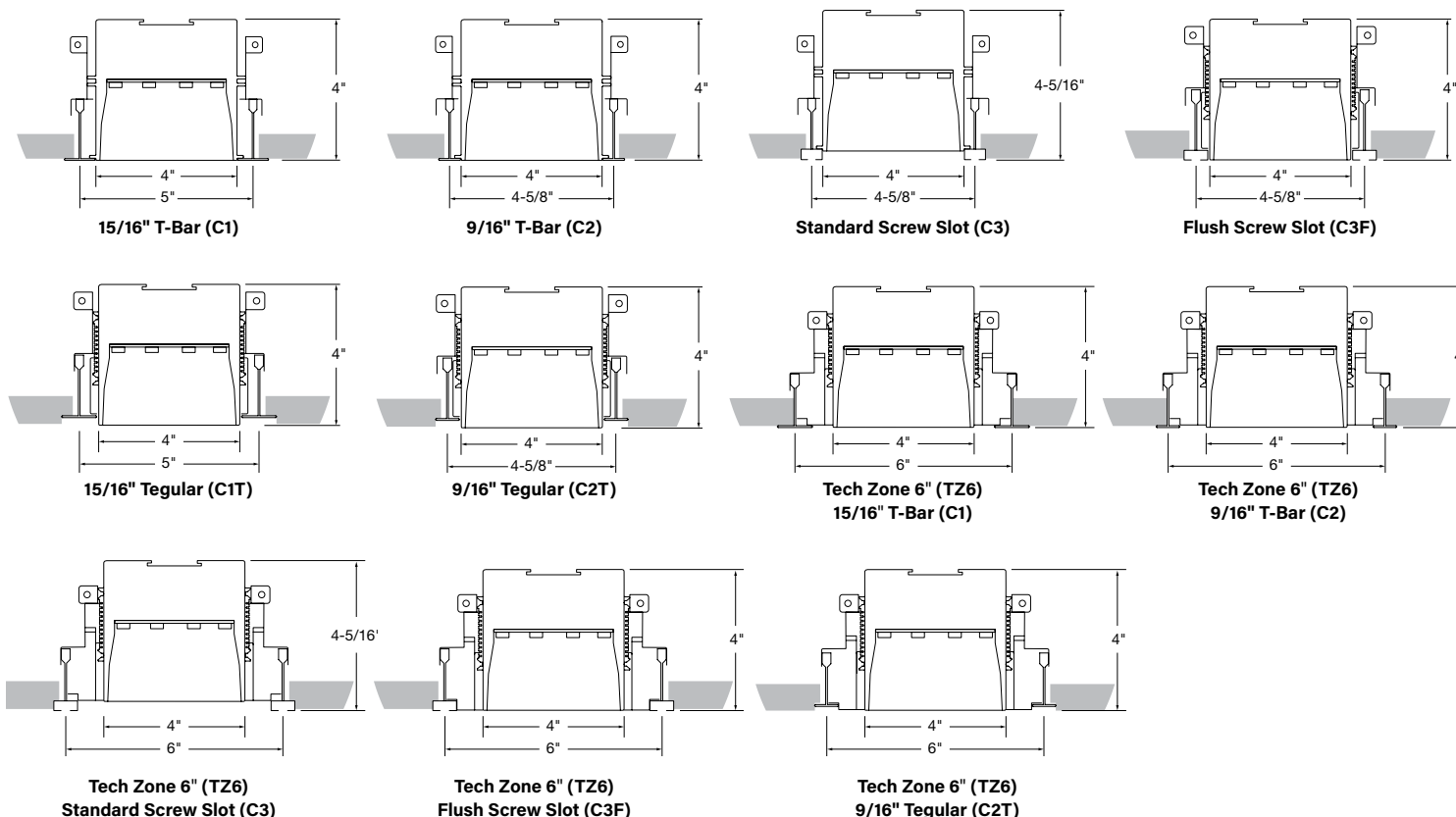


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

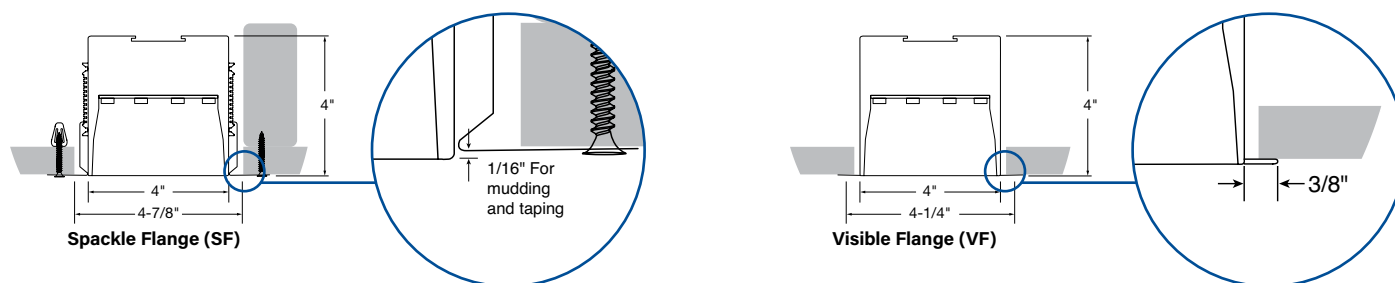
High Performance 4" Aperture (HP-4) with Accent Light

Recessed Mounting Types - T-Bar

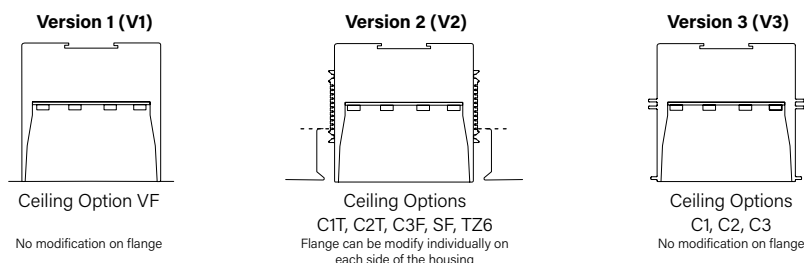
Rough-In Dimensions



Recessed Mounting Types - Cutout Dimensions



HOUSING



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

High Performance 4" Aperture (HP-4) with Accent Light

ACCENT LIGHT POSITIONING

Lamp Specifications

Base Type: GU 5.3
Voltage: 120V or 277V
Max Wattage: 10W
MR16 LED lamps by others



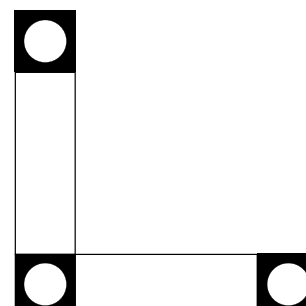
Independent Luminaires

A MR16 can be placed at the end of the luminaire.



Illuminated Sections (SI) or Non-Illuminated Section (NB)

Sections between LED MR16 lamps can be illuminated(SI) or non-illuminated(NB). The same Flush diffuser(F) material is used.



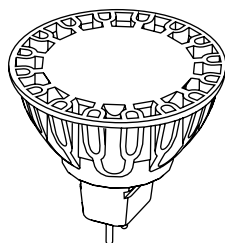
90° Corners

A MR16 can be placed at corner and each end of the luminaire.

Accent Light Specifications

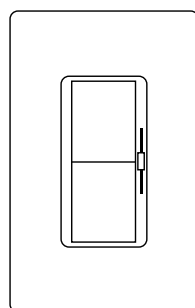
A separate feed drop is required for MR16s connected to different controllers.

The following MR16 model list has been tested and qualified compatible with Finelite's HP-4.
Finelite doesn't manufacture MR16 lamps.



Manufacturer	Model	Wattage (w)
Soraa	SM16-07-10D-940-03	7.5
Soraa	SM16-07-10D-830-03	7.5
Soraa	SM16-09-25D-830-H1	9
Euri Lighting	EM16-2000ew	6.5
GreenCreative	MR16 12V 6W DIM. 35W R	6
USHIO	UPHORIA PRO LED MR16	7
Philips	Philips 7MR16 ExpertColor	7

NOTE: Tunable white not available on MR16 lamps.



Socket Dimmer Compatible Matrix	
Manufacturer	Model
Lutron	DVELV-300P
Lutron	Nova T NTELV-300
Leviton	Renoir II AWSMT-EAW
Leviton	IPE04

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

High Performance 4" Aperture (HP-4) with Accent Light

Indirect/Direct Photometry - 4' Luminaire 3500K

HP4-P-ID-4'-V-V-835

Uplight: Flush Diffuser / Downlight: Flush Diffuser

Distribution: 53% Up (V) / 47% Down (V)

Efficacy: 106 lm/W

Uplight: 4180 lumens (1045 lumens/foot)

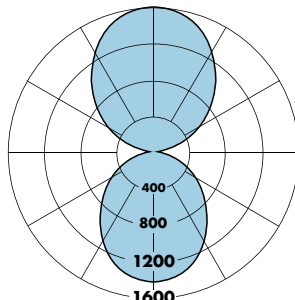
Downlight: 3706 lumens (927 lumens/foot)

Total luminaire output: 7886 lumens (1972 lm/ft)
74.1 watts (18.5 W/ft)

Peak Candela Value: 1600 @ 180°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85125



Direct Photometry - 4' Luminaire 3500K

HP4-P-D-4'-V-835

Downlight: Flush Diffuser

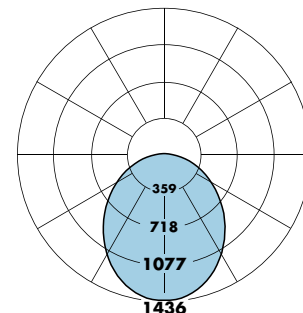
Efficacy: 100 lm/W

Total luminaire output: 3705 lumens (926 lm/ft)
37 watts (9.3 W/ft)

Peak Candela Value: 1436 @ 0°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85124



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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	3228 (↑53% 47%↓)	3668 (↑59% 41%↓)	4768 (↑68% 32%↓)	5697 (↑73% 27%↓)
↓B ¹	3618 (↑47% 53%↓)	4058 (↑53% 47%↓)	5158 (↑63% 37%↓)	6087 (↑69% 31%↓)
↓H ¹	4594 (↑37% 63%↓)	5034 (↑43% 57%↓)	6134 (↑53% 47%↓)	7062 (↑59% 41%↓)
↓V ²	5417 (↑32% 68%↓)	5857 (↑37% 63%↓)	6957 (↑47% 53%↓)	7886 (↑53% 47%↓)

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	807	917	1192	1424
↓B ¹	905	1015	1290	1522
↓H ¹	1148	1258	1533	1766
↓V ²	1354	1464	1739	1972

Power, 3500K (Watts Per Foot)

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	7.3	8.2	10.7	12.9
↓B ¹	8.2	9.2	11.7	13.9
↓H ¹	10.7	11.7	14.2	16.4
↓V ²	12.9	13.9	16.4	18.5

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	111	111	111	111
↓B ¹	110	110	110	110
↓H ¹	107	107	108	108
↓V ²	105	106	106	106

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output

¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.

² Based on ITL reports: 89125

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

S ¹	B ¹	H ¹	V ²
1517	1907	2882	3705

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

S ¹	B ¹	H ¹	V ²
379	477	720	926

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
3.6	4.6	7.1	9.3

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

S ¹	B ¹	H ¹	V ²
105	107	102	100

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output

¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.

² Based on ITL report: 85124

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: 4768 lm x 0.789 = 3762 lm

Total Light Output per Foot: 1192 lm/ft x 0.789 = 940 lm/ft.
watts/foot: 10.7 W/ft.

$$\text{Efficacy} = \frac{940 \frac{\text{lm}}{\text{ft.}}}{10.7 \frac{\text{W}}{\text{ft.}}} = 88 \text{ lm/W}$$

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

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

High Performance 4" Aperture (HP-4) with Accent Light

Recessed Photometry - 4' Luminaire 3500K

HP4-R-D-4'-V-835

Downlight: Flush Diffuser

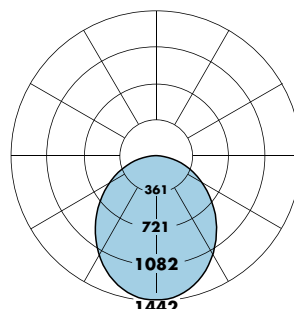
Efficacy: 101 lm/W

Total luminaire output: 3726 lumens (932 lm/ft)
37 watts (9.3 W/ft)

Peak Candela Value: 1442 @ 0°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85128



Refer to LM-79 reports for candlepower summaries

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

S ¹	B ¹	H ¹	V ²
1525	1917	2898	3726

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

S ¹	B ¹	H ¹	V ²
381	479	725	932

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
3.6	4.6	7.1	9.3

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

S ¹	B ¹	H ¹	V ²
105	104	102	101

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output

¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.

² Based on ITL report: 85128

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
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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: 4768 lm x 0.789 = 3762 lm

Total Light Output per Foot: 1192 lm/ft x 0.789 = 940 lm/ft.

watts/foot: 10.7 W/ft.

$$\text{Efficacy} = \frac{940 \frac{\text{lm}}{\text{ft.}}}{10.7 \frac{\text{W}}{\text{ft.}}} = 88 \text{ lm/W}$$

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

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

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.

NOTE: Tunable white not available on MR16 lamps.

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

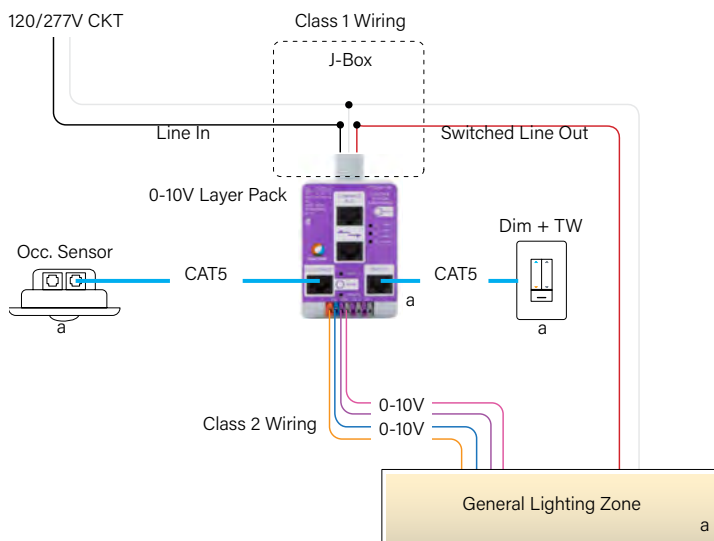
(Example: a 50 watt luminaire in static white would draw 55 watts using 0-10V Tunable White)

LUMINAIRE FAMILY MODIFICATIONS/RESTRICTIONS

Direct	Section Lengths											
	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. Tailored lengths available.											
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%



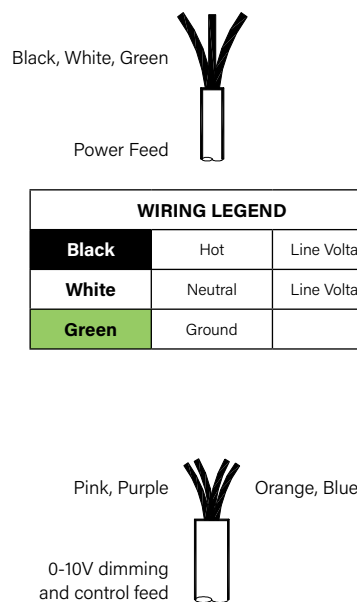
Luminaire Wiring

- **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

