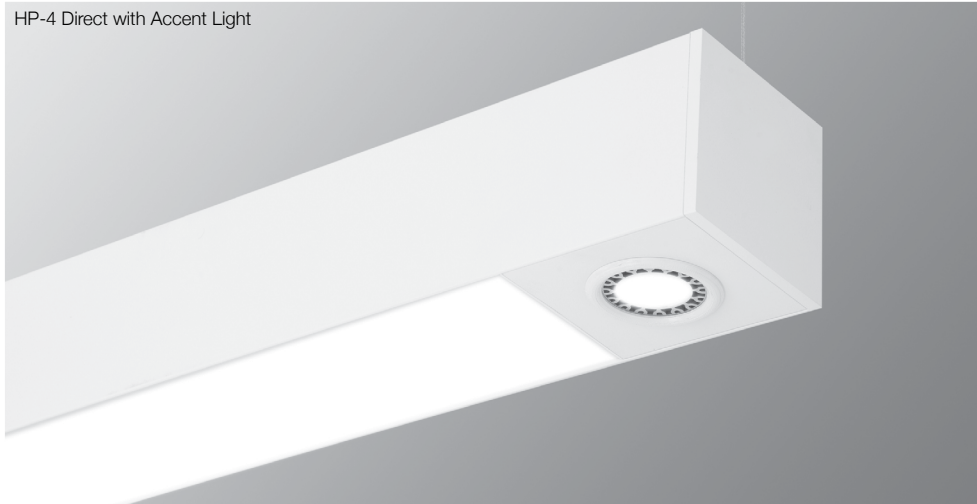


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

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



HP-4 Direct with Accent Light

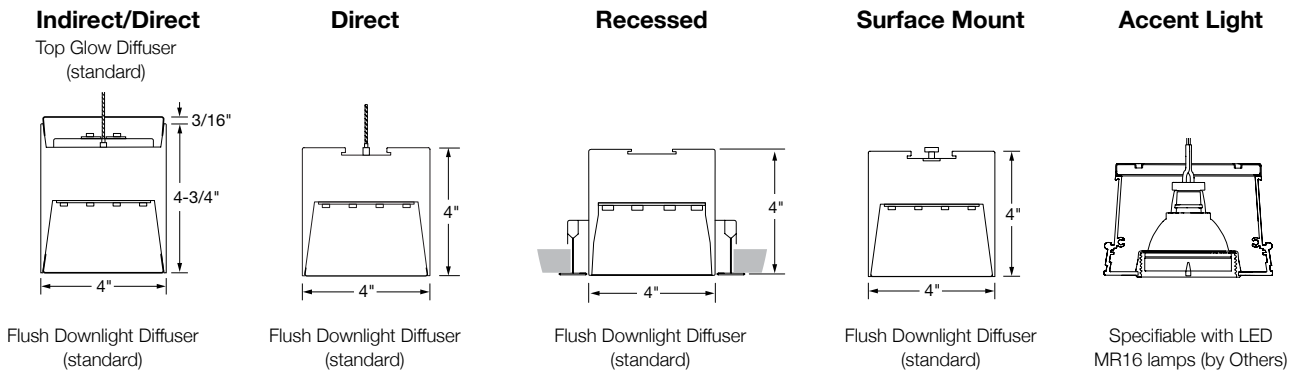
The High Performance 4" Aperture Pendant family Indirect/Direct, Direct, and Recessed now available with Accent Light. The luminaire delivers excellent performance using an advanced optical design and mid-power LEDs, achieving 90% of initial light output at 100,000+ hours.

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 Declared status.

Signal White is standard finish

Note: see page 6 for all aesthetic options

CROSS SECTIONS



LUMEN OUTPUT PACKAGES



Standard



Boosted
Standard



High



Very High



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

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

BODY TYPE

OUTPUT and LED TYPE

Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Run Length of Configuration	Uplight Output ID & I Only ¹	Downlight Output ID & D Only ¹	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 B - Boosted Standard H - High V - Very High TL - Tailored: _____lm/ft*	S - Standard B - Boosted Standard H - High V - Very High 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

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

MECHANICAL/OPTICAL OPTIONS

ELECTRICAL 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

MOUNTING OPTIONS

Driver Selection	Mounting Method	Ceiling Hardware Type
0-10V Driver Options FC-10% - 0-10V 10% ⁴ (standard) FC-1% - 0-10V 1% ⁴ OSR-10% - Osram OTi, 0-10V 10% ⁴ OSR-1% - Osram OTi, 0-10V 1% ⁶ ELD-10V-0% - EldoLED SOLOdrive, 0-10V 0.1% OSR-10V-TW - Osram OTi, 0-10V 10% (Tunable White) ⁴ DALI Driver Options FC-DALI-1% - DALI 1% OSR-DALI-1% - Osram 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-ES5 - Lutron, Ecosystem 5% LUT-2W - Lutron, 2-wire (120v only) 1% LUT-TW - Lutron T-Series, EcoSystem 1% (Tunable White)	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

See Page 3 for additional driver options and details

OTHER OPTIONS

Endcap Style	Finish	Emergency Style (Optional)	Accent Light Source ¹⁰
FE - Flat Endcap (standard) DE - 1" Drop Endcap ⁸	SW - Signal White FB - Finelite Black ⁹ SA - Satin Aluminum ⁹ #### - RAL Color Code ⁹ ... _____	FAC CHO - Factory Choice 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	MR16 - MR16 (GU 5.3) NOTE: See page 9 for Accent Light info

OTHER OPTIONS

Accent Light Quantity ¹⁰	Accent Downlight Diffuser ¹⁰	Integrated Sensor (Optional)	Special Options (Optional)
QTY - _____	SI - Section between accents is illuminated NB - Section between accents is non-illuminated	OBO - Occupancy OBD - Daylight OBE - Enlighted ¹¹	RLA - Red List Approved RLD - 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)

⁵ B & V outputs only

⁶ Direct only

⁷ Surface Mount only

⁸ 1" Drop Down Lens downlight only

⁹ 20 business days lead time for color

¹⁰ Accent lighting only. Lamp by Others. See Page 9 for more details

¹¹ Enlighted components installed by Finelite, provided by others

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)
OSR-10V-TW	Osram OTi, 0-10V 10% Dimming, <i>Tunable White</i> (Linear)
OSR-10V-TW-DTO	Osram OTi, 0-10V 10% Dimming, Dim-to-Off, <i>Tunable White</i> (Linear)
OSR-10%	Osram OTi, 0-10V 10% Dimming (Linear)
OSR-10%-DTO	Osram OTi, 0-10V 10% Dimming, Dim-to-Off (Linear)
OSR-1%	Osram OTi, 0-10V 1% Dimming (Linear)
OSR-1%-DTO	Osram OTi, 0-10V 1% Dimming, Dim-to-Off (Linear)

DALI Driver Options

FC-DALI-1%	Factory Choice, DALI 1% Dimming (Logarithmic)
OSR-DALI-1%	Osram 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 - FineTUNE Controls Only</i> (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-ES5	Lutron, Ecosystem 5% Dimming
LUT-2W	Lutron, 2-wire (120v only) 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, Bottom Glow Diffuser, and 1" Drop Down Lens. 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 OPTION ¹: 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**), Bottom Glow (**BG**), and 1" Drop Down Lens (**DL**). 1" Drop Down Lens made of highly efficient acrylic. 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:

- **LUTES1** (Hi-lume 1% EcoSystem with Soft-On, Fade-to-Black dimming (LDE1 series))
- **LUTES5** (5-Series 5% EcoSystem (LDE5 Series))
- **LUT2W** (Hi-lume 1% 2-wire, 120V forward phase dimming (LTEA 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 is 1%

LUTRON TUNABLE WHITE DRIVER OPTION: LUTDTW (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

Continued

Page 4

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

nut. Drywall or concrete surfaces (walls or ceilings): 1/4" - 20 stud and nut (provided by others). Mounted with three equidistant suspension points.

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.

- **Indirect/Direct:** backup batteries deliver 1608 lumens.
12' minimum luminaire length. 2' illuminated (downlight standard).
- **Direct:** backup batteries deliver 1608 lumens.
8' minimum luminaire length. 2' illuminated.
- **Recessed:** backup batteries deliver 1608 lumens.
8' minimum luminaire length. 2' illuminated (downlight standard).
- **Surface Mount:** backup batteries deliver 1608 lumens.
8' minimum luminaire length. 2' illuminated (downlight standard).

TUNABLE WHITE ELECTRICAL OPTIONS³:

- **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 or daylight sensors available with Flush downlight diffusers. Refer to Occupancy Sensor and Daylight Sensor tech sheets for more info.

FINISHES: Finelite Signal White (**SW**) powder coat standard. Finelite Black 9005 with semi gloss fine texture (**FB**)⁴ and Satin Aluminum (**SA**)⁴ is available. Optional Adders: 185 RAL colors⁴.

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. 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** (Declared Label) to your part number.

WEIGHT⁵: ID - 3.4 lb/ft; D & SM - 2.8 lb/ft

DLC QUALIFIED: Configurations of this product are listed on the DLC Qualified Products List (QPL). www.designlights.org/search

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 Consult Finelite for Generator Transfer Device and Battery Back up fit

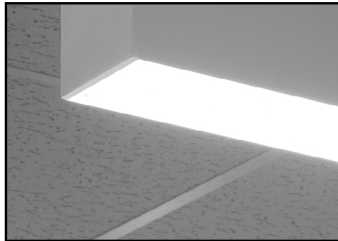
⁴ 20 business days lead time for color

⁵ Excludes Battery Back up and Generator Transfer Device weight

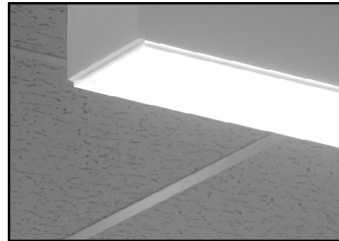
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High Performance 4" Aperture (HP-4) with Accent Light

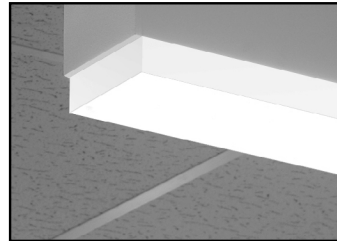
AESTHETIC OPTIONS



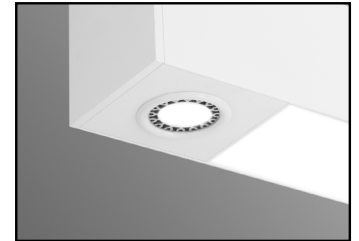
Flush Diffuser (F)



Bottom Glow Diffuser (BG)



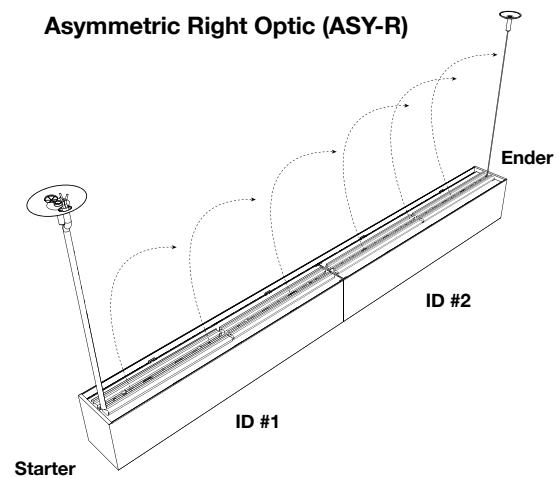
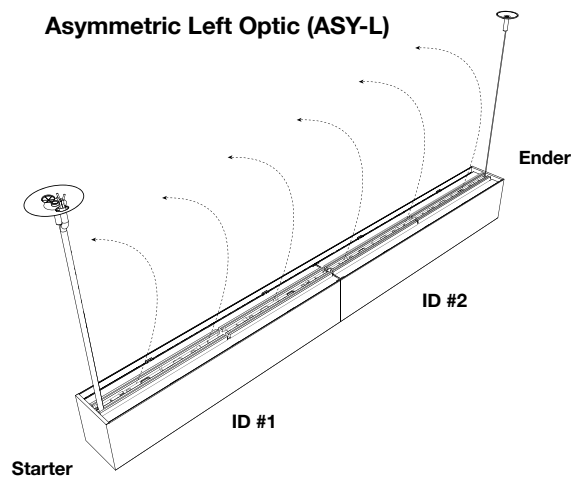
1" Drop Down Lens (DL)



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.



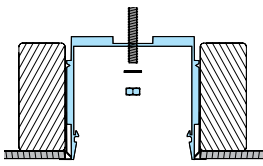
¹ By others
² Indirect/Direct only

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

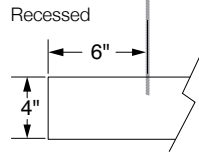
High Performance 4" Aperture (HP-4) with Accent Light

Hard Ceiling Mounting Options

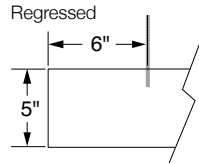
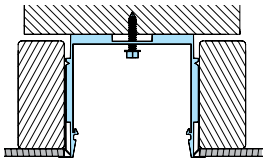
Threaded Rod Option



Mounting Location for Securing to Structure

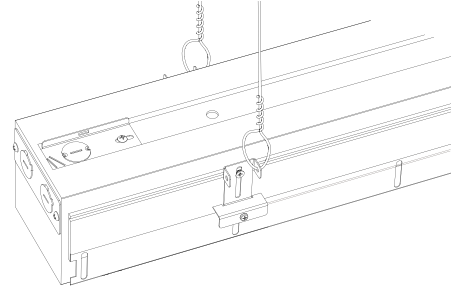


Screw Mount Option



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.

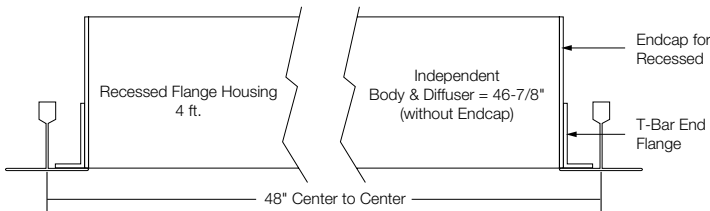
T-Bar Installation



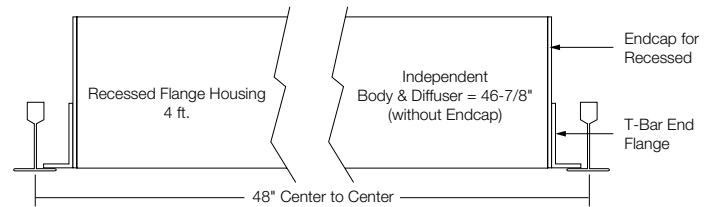
HP-4 R for T-Bar installations comes standard with a splice plate at the end of the luminaire. Mounting brackets (supplied) secure the luminaire to T-Bar and provide support to structure location. All even foot length (2, 4, 6, ...) luminaire runs are reduced in length by an appropriate amount to fit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

Grid Lenth Detail - 4' Example

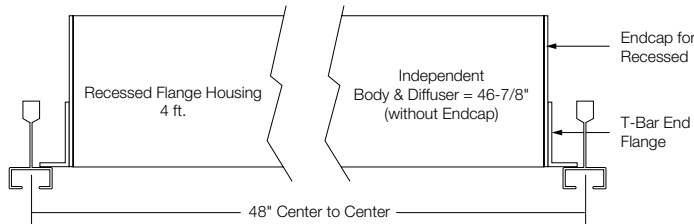
1" T-Bar



9/16" T-Bar

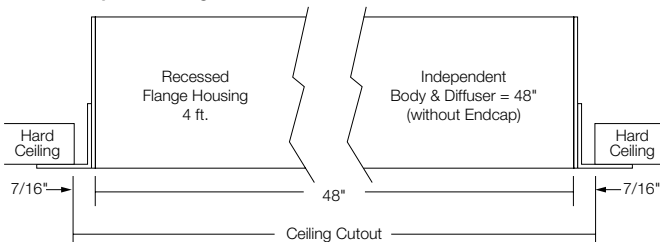


9/16" Screw Slot

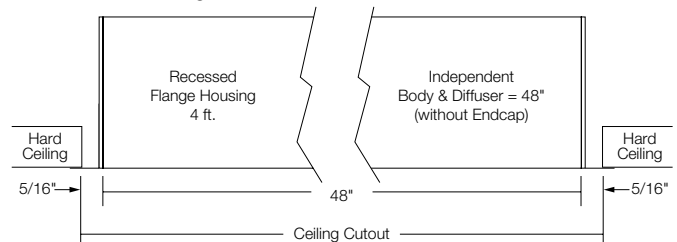


Hard Ceiling Lenth Detail - 4' Example

Spackle Flange



Visible Flange

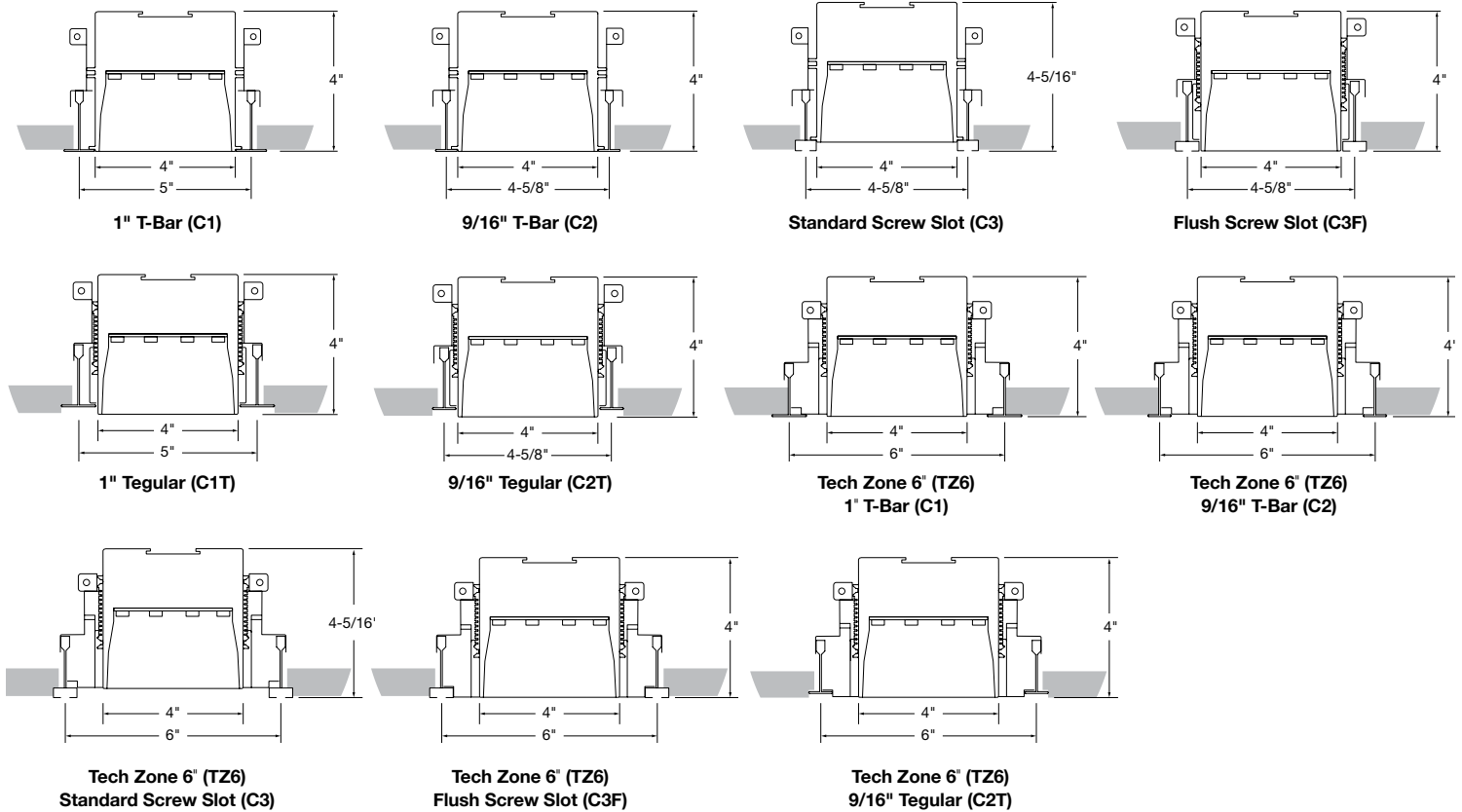


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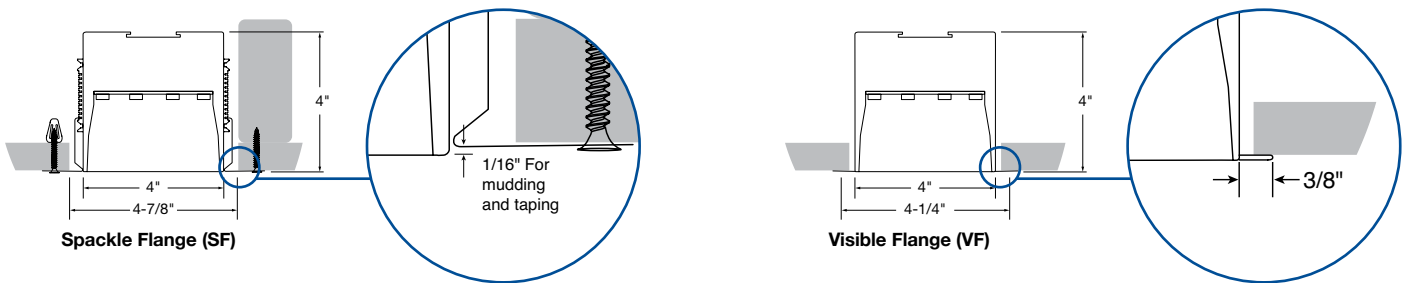
High Performance 4" Aperture (HP-4) with Accent Light

Recessed Mounting Types - T-Bar

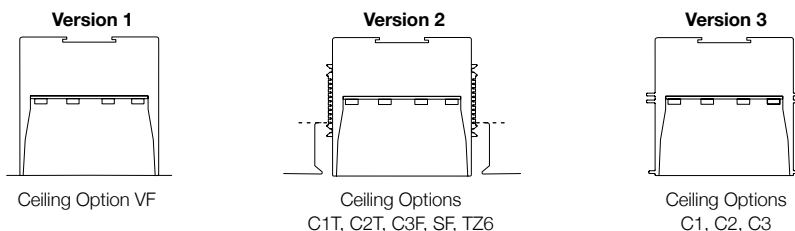
Rough-In Dimensions



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

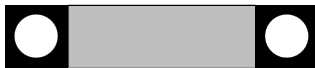
Lamp Specifications

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



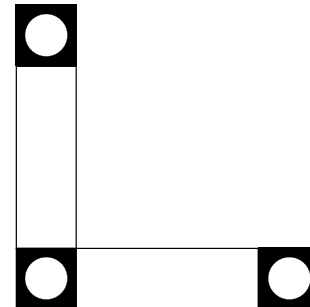
Independent Luminaires

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.



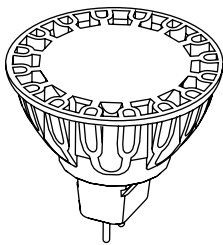
90° Corners

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

Accent Light Specifications

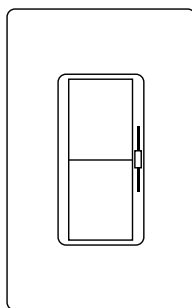
A separate feed drop is required for each MR16 location. Dimming is available for 120v only.

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)

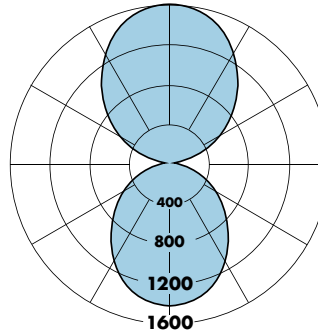
Downlight: 3706 lumens (927 lumens/foot)

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



CANDELA DISTRIBUTION						
	0.0	22.5	45	67.5	90	Flux
0	1443	1443	1443	1443	1443	
5	1433	1434	1434	1433	1434	136
15	1368	1360	1365	1363	1356	384
25	1239	1225	1228	1224	1216	564
35	1062	1050	1049	1040	1034	654
45	859	850	847	838	832	652
55	647	640	637	628	624	568
65	435	430	429	424	422	424
75	233	234	233	234	232	248
85	65	67	68	69	70	76
90	0	0	0	0	0	
95	71	72	76	81	82	86
105	257	261	266	270	269	281
115	485	483	485	490	486	482
125	723	726	726	720	717	646
135	963	958	961	958	951	739
145	1189	1177	1185	1179	1172	738
155	1377	1367	1374	1368	1363	631
165	1517	1510	1514	1511	1510	426
175	1590	1590	1590	1589	1590	151
180	1600	1600	1600	1600	1600	

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.

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

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 report: 89125

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

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

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

Direct Photometry - 4' Luminaire 3500K

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

Downlight: Flush Diffuser

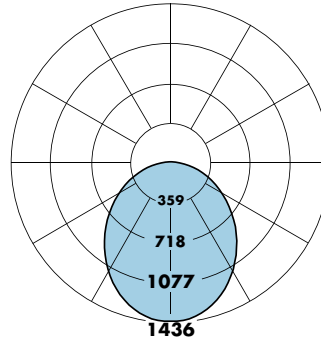
Efficacy: 100 lm/W

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



CANDELA DISTRIBUTION						
	0.0	22.5	45.0	67.5	90.0	FLUX
0	1436	1436	1436	1436	1436	
5	1428	1428	1427	1427	1427	135
15	1363	1353	1358	1357	1350	382
25	1236	1221	1226	1219	1212	563
35	1060	1047	1048	1037	1030	653
45	859	849	848	836	831	652
55	647	639	637	628	623	568
65	434	432	431	425	424	425
75	236	236	237	235	236	250
85	67	68	69	70	69	77
90	0	0	0	0	0	

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: 2882 lm x 0.789 = 2274 lm

Total Light Output per Foot: 720 lm/ft x 0.789 = 568 lm/ft.

watts/foot: 7.1 W/ft.

$$\text{Efficacy} = \frac{568 \frac{\text{lm}}{\text{ft.}}}{7.1 \frac{\text{W}}{\text{ft.}}} = 80 \text{ lm/W}$$

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

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

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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

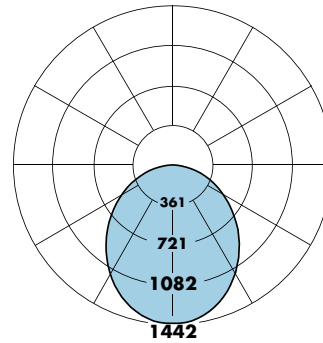
Total luminaire output: 3726 lumens (932 lm/ft)
37 watts (9.3 W/ft)

Peak Candela Value: 1442 @ 0°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85128

Refer to LM-79 reports for candlepower summaries



CANDELA DISTRIBUTION						
	0.0	22.5	45	67.5	90	Flux
0	1442	1442	1442	1442	1442	
5	1434	1434	1433	1433	1434	136
15	1369	1360	1365	1364	1359	384
25	1241	1226	1232	1225	1219	566
35	1064	1053	1055	1043	1037	657
45	864	853	851	840	834	655
55	650	644	640	631	626	571
65	441	436	433	428	425	428
75	238	237	238	237	236	252
85	70	69	70	72	71	78
90	0	0	0	0	0	

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: 2898 lm x 0.789 = 2287 lm

Total Light Output per Foot: 725 lm/ft x 0.789 = 572 lm/ft.

watts/foot: 7.1 W/ft.

$$\text{Efficacy} = \frac{572 \frac{\text{lm}}{\text{ft}}}{7.1 \frac{\text{W}}{\text{ft}}} = 80 \text{ lm/W}$$

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

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

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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

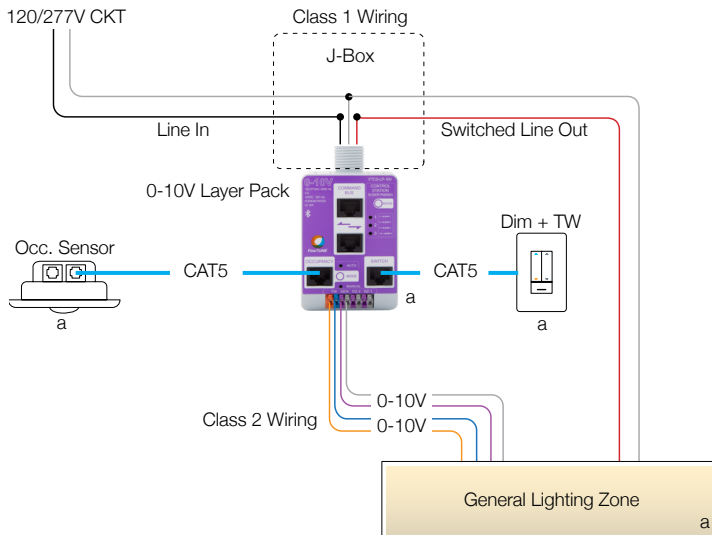
(Example: a 50 watt luminaire in static white would draw 55 watts using 0-10V Tunable White)

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%



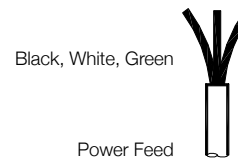
Luminaire Wiring

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

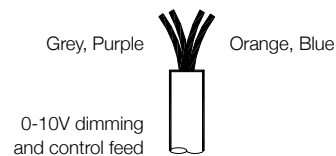
Note:

Load or Dim to Off options available.

DUAL FEED DETAIL



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



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

