FINELITE®
Better Lighting

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.
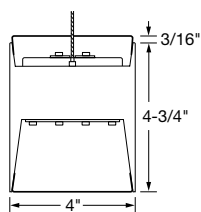
Signal White is standard finish

Note: see page 6 for all aesthetic options
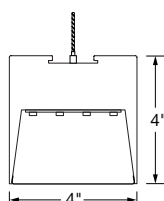
CROSS SECTIONS

Indirect/Direct
Top Glow Diffuser (standard)
3/16"
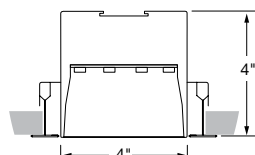4-3/4"
4"
Flush Downlight Diffuser (standard)
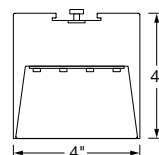
Direct
4"
4"
Flush Downlight Diffuser (standard)
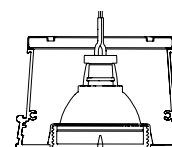
Recessed
4"
4"
Flush Downlight Diffuser (standard)

Surface Mount
4"
4"
Flush Downlight Diffuser (standard)

Accent Light
Specifiable with LED MR16 lamps (by Others)

LUMEN OUTPUT PACKAGES

S Standard

B Boosted Standard

H High

V Very High

A brand of **legrand**

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with Accent Light

Ordering Guide Example: HP - 4 - P - ID - 36' - S - S - 835 - F - F - 96LG - 120 - DC - FC-10% - FA50 - C1 - FE - SW - LGD18W - MR16 - QTY - SI - OBO - CP

BODY TYPE

Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Run Length of Configuration
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.

OUTPUT and LED TYPE

Uplight Output ID & I Only¹ (Flush)	Downlight Output ID & D Only¹ (Flush)	LED CRI/CCT
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

* 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

Uplight Optics ID Only	Downlight Optics ID & D Only	Reflector System
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)	**96LG** - 96 Low Gloss White

ELECTRICAL OPTIONS

Voltage	Circuiting³
120 - 120 Voltage **277** - 277 Voltage **347** - 347 Voltage²	**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

Driver Selection

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)*

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 **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 Source¹⁰	Accent Light Quantity¹⁰
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 Diffuser¹⁰
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)

OBO - Occupancy
OBD - Daylight
W601 - Wattstopper Sensor ¹²
OBE - Enlighted Sensor ¹¹
REE - Remote Enlighted ¹³
CLM-99 - Encelium RF
SLM-99 - Encelium 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

Special Options (Optional)

CP - Chicago Plenum ¹⁶
RLA - Red List Approved
RLD - Red List Declared

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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 Enlighted 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 Enlighted for Wall Wash fixtures. Enlighted 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 Ingrated Sensors require a DALI driver
¹⁶ Only available with C1, C2, and C3 mounting hardware with Finelite Gridbox installed for Remote mounting sensor

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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 0.1% Dimming, *Tunable White* (Logarithmic Dimming, Linear CCT Control)

Lutron Driver Options	
LUT-ES1	Lutron, Ecosystem 1% Dimming
LUT-TW	Lutron T-Series, EcoSystem 0.1% Dimming, *Tunable White*

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SPECIFICATIONS

BODY TYPE

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

LENGTHS: Any length, 2' minimum, in increments down to 1/16" (±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 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**).. 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 beteen 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.

STATIC WHITE DRIVER: Replaceable 120V, 277V, and 347V [3] 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

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

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SPECIFICATIONS

TUNABLE WHITE HANGING HARDWARE: For grid ceiling applications the dual GridBox™ mounting is supplied (standard). For hard ceiling applications the ceiling mounting box is supplied (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.
The lumens are based on 835. For other CCT/CRI, refer to the Lumen Adjustment Factor table on page 10.

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'

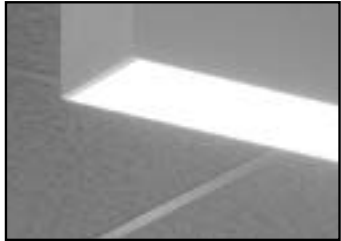[4] Consult Finelite for Generator Transfer Device and Battery Back up fit
[5] 20 business days lead time for color
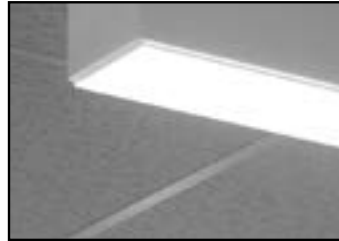[6] Excludes Battery Back up and Generator Transfer Device weight

TUNABLE WHITE ELECTRICAL OPTIONS [4]:
- **TW Driver Options 0-10V:** EM/GEN, GTD or 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 colors [5].

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 – **RLD** (Red List Declared) to your part number.

WEIGHT [6]: 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.

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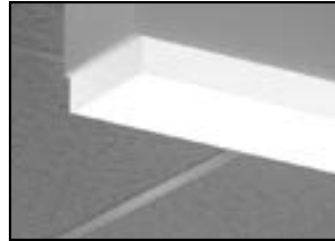## with Accent Light

AESTHETIC OPTIONS
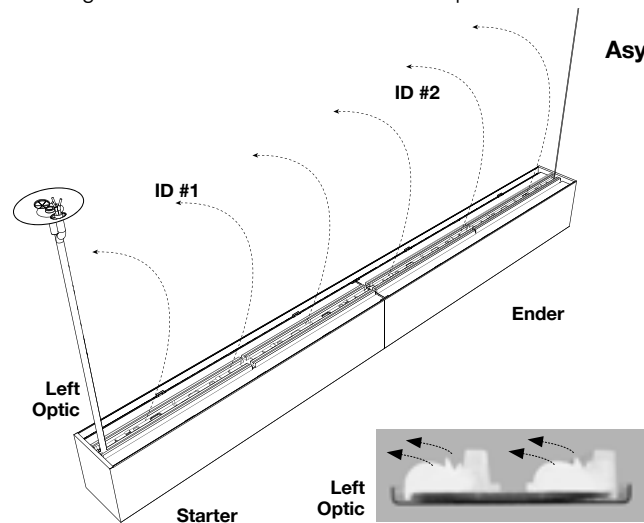

Flush Diffuser (**F**)

Bottom Glow Diffuser (**BG**)

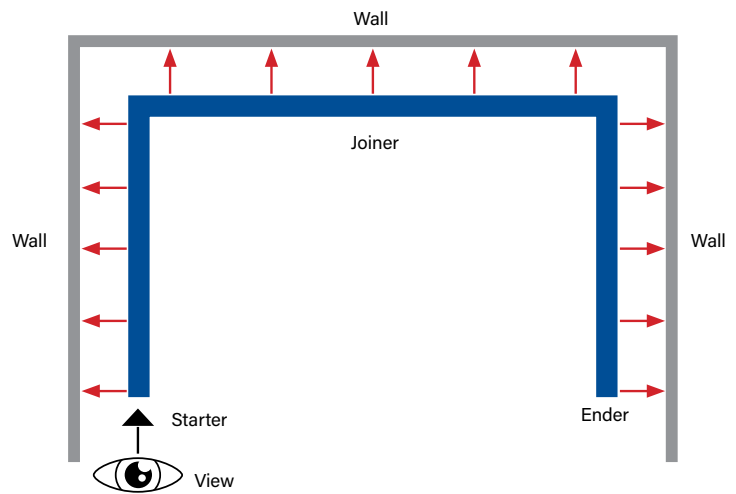

1" Drop Down Lens (**DL**)

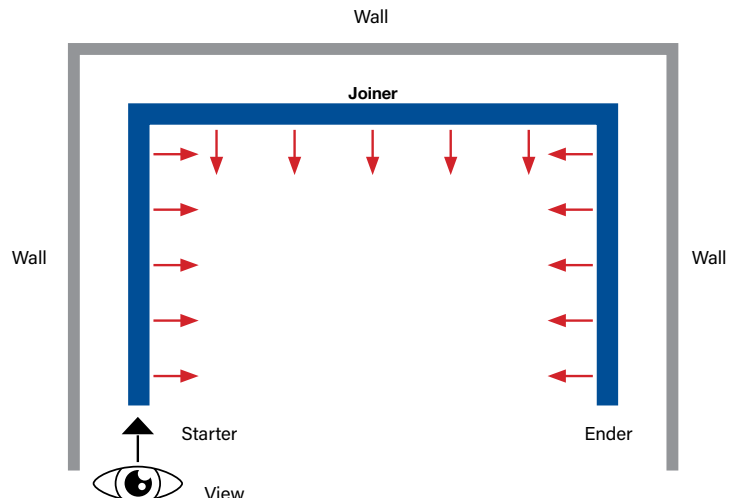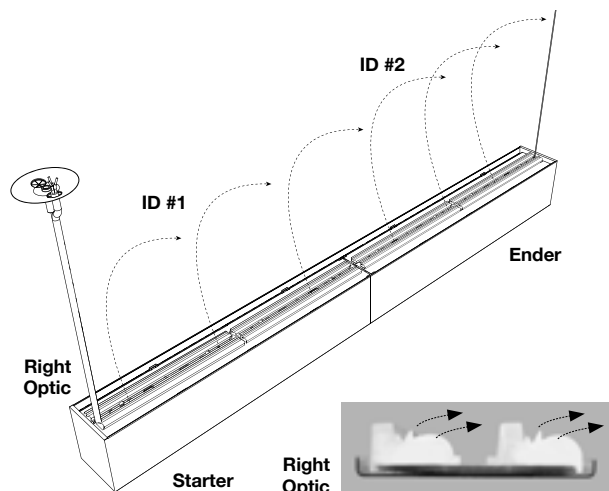Accent Light Housing[1] (**MR16**)

ASYMMETRIC OPTIONS [2]

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.

### Asymmetric Left Optic (ASY-L)

ID #2

ID #1

Left Optic

Ender

Left Optic

Starter

Wall

Joiner

Wall

Wall

Starter

Ender

View

Asymmetric Right Optic (ASY-R)

ID #2

ID #1

Right Optic

Ender

Right Optic

Starter

Wall

Joiner

Wall

Wall

Starter

Ender

View

[1] By others
[2] Indirect/Direct only

Page 6

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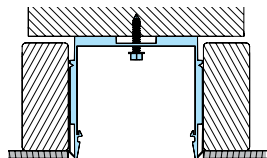
FINELITE®
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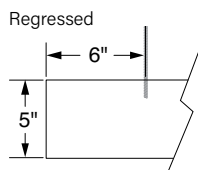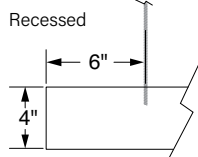## with Accent Light

Hard Ceiling Mounting Options
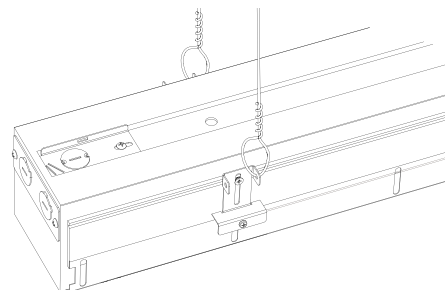
Threaded Rod Option
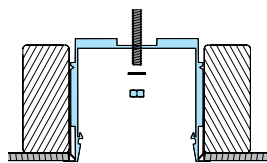
Screw Mount Option

Mounting Location for Securing to Structure

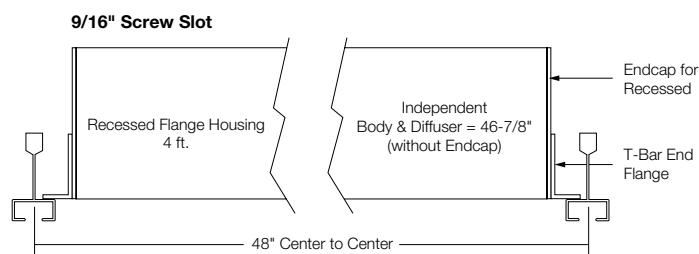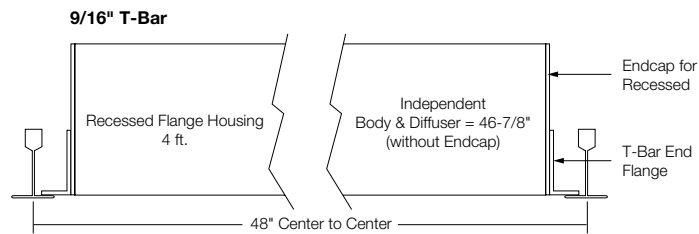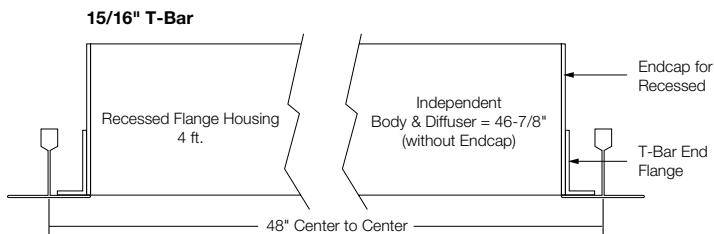Recessed

6"
4"

Regressed

6"
5"

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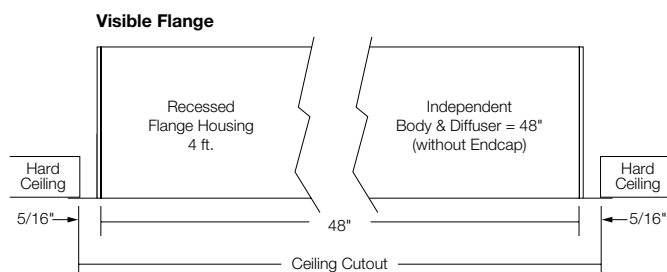
T-Bar Installation

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

Recessed Flange Housing 4 ft.

Independent Body & Diffuser = 46-7/8" (without Endcap)

Endcap for Recessed

T-Bar End Flange

48" Center to Center

9/16" T-Bar

Recessed Flange Housing 4 ft.

Independent Body & Diffuser = 46-7/8" (without Endcap)

Endcap for Recessed

T-Bar End Flange

48" Center to Center

9/16" Screw Slot

Recessed Flange Housing 4 ft.

Independent Body & Diffuser = 46-7/8" (without Endcap)

Endcap for Recessed

T-Bar End Flange

48" Center to Center

Hard Ceiling Length Detail - 4' Example
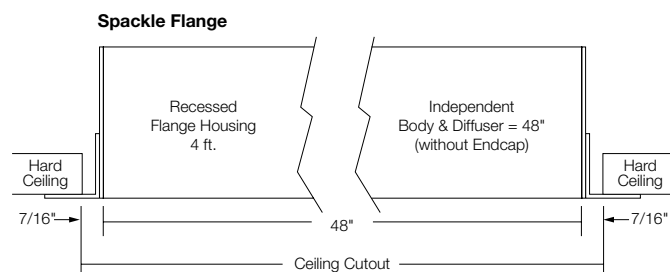
Spackle Flange

Recessed Flange Housing 4 ft.

Independent Body & Diffuser = 48" (without Endcap)

Hard Ceiling

Hard Ceiling

7/16"

48"

7/16"

Ceiling Cutout

Visible Flange

Recessed Flange Housing 4 ft.

Independent Body & Diffuser = 48" (without Endcap)

Hard Ceiling

Hard Ceiling

5/16"

48"

5/16"

Ceiling Cutout

FINELITE®
Better Lighting

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

Recessed Mounting Types - T-Bar

Rough-In Dimensions

15/16" T-Bar (C1)
4"
4"
5"

9/16" T-Bar (C2)
4"
4"
4-5/8"

Standard Screw Slot (C3)
4-5/16"
4"
4-5/8"

Flush Screw Slot (C3F)
4"
4"
4-5/8"

15/16" Tegular (C1T)
4"
4"
5"

9/16" Tegular (C2T)
4"
4"
4-5/8"

Tech Zone 6" (TZ6)
15/16" T-Bar (C1)
4"
4"
6"

Tech Zone 6" (TZ6)
9/16" T-Bar (C2)
4'
4"
6"

Tech Zone 6" (TZ6)
Standard Screw Slot (C3)
4-5/16'
4"
6"

Tech Zone 6" (TZ6)
Flush Screw Slot (C3F)
4"
4"
6"

Tech Zone 6" (TZ6)
9/16" Tegular (C2T)
4"
4"
6"
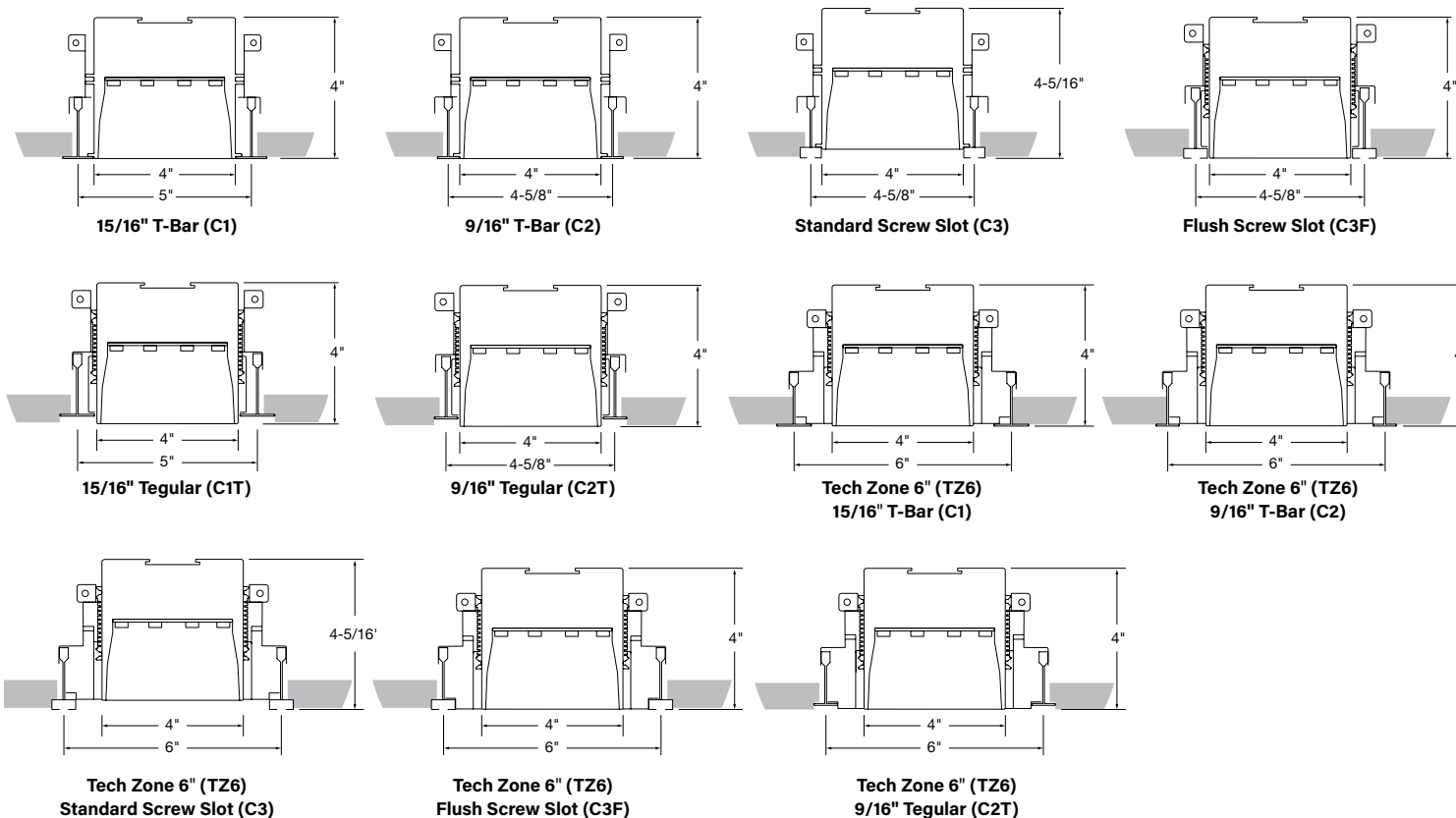
Recessed Mounting Types - Cutout Dimensions
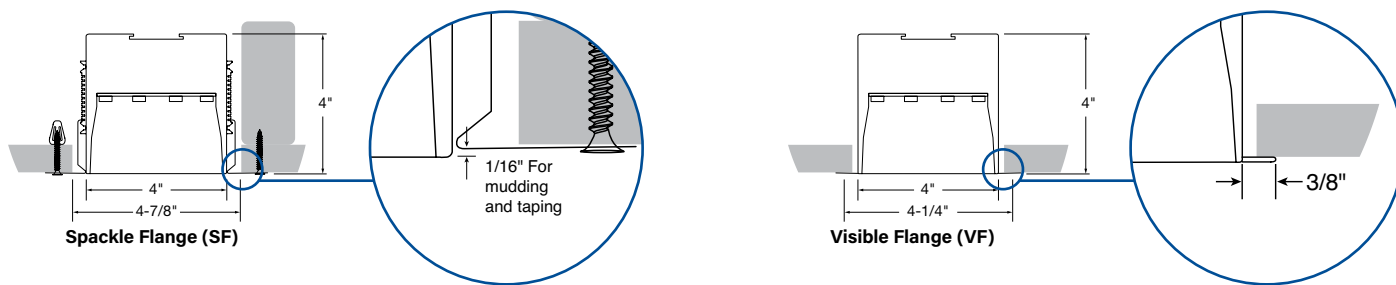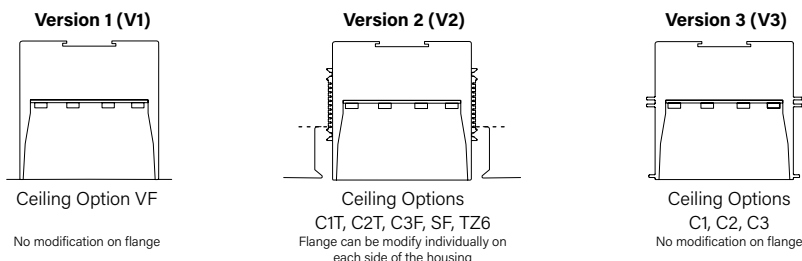
4"
4"
4-7/8"
1/16" For mudding and taping

Spackle Flange (SF)

4"
4"
4-1/4"
3/8"

Visible Flange (VF)

HOUSING

Version 1 (V1)

Ceiling Option VF

No modification on flange

Version 2 (V2)

Ceiling Options
C1T, C2T, C3F, SF, TZ6

Flange can be modify individually on each side of the housing

Version 3 (V3)

Ceiling Options
C1, C2, C3

No modification on flange

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

ACCENT LIGHT POSITIONING

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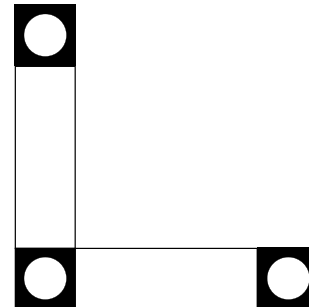Max Wattage: 10W
MR16 LED lamps by others

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

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

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.
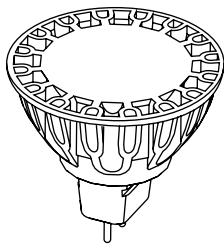
90° Corners
A MR16 can be placed at corner and each end of the luminaire.

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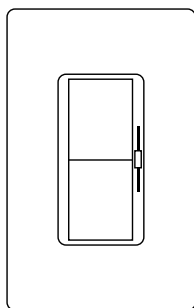
Socket Dimmer Compatible Matrix	
Manufacturer	**Model**
Lutron	DVELV-300P
Lutron	Nova T NTELV-300
Leviton	Renoir II AWSMT-EAW
Leviton	IPE04

FINELITE®
Better Lighting

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
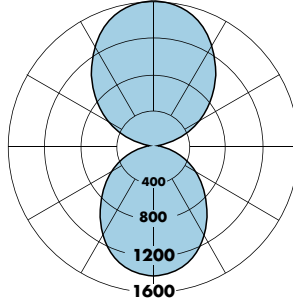**Uplight:** 4180 lumens (1045 lumens/foot)
Downlight: 3706 lumens (927 lumens/foot)
Total luminaire output: 7886 lumens (1972 lm/ft)
74.1 watts (18.5 W/ft)
Peak Candela Value: 1600 @ 180º
CRI: 80 / CCT: 3500K
ITL LM79 Report 85125

400
800
1200
1600

Direct Photometry - 4' Luminaire 3500K

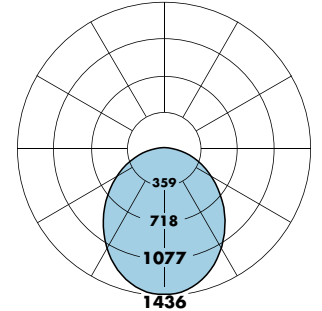**HP4-P-D-4'-V-V-835**
Downlight: Flush Diffuser

Efficacy: 100 lm/W
Total luminaire output: 3705 lumens (926 lm/ft)
37 watts (9.3 W/ft)
Peak Candela Value: 1436 @ 0º
CRI: 80 / CCT: 3500K
ITL LM79 Report 85124

359
718
1077
1436

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

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

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

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FINELITE®
Better Lighting

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

Recessed Photometry - 4' Luminaire 3500K

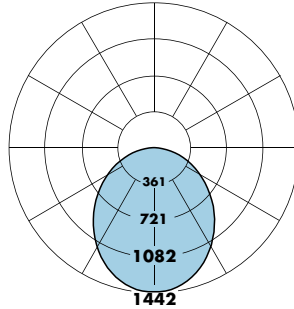**HP4-R-D-4'-V-835**
Downlight: Flush Diffuser

Efficacy: 101 lm/W
Total luminaire output: 3726 lumens (932 lm/ft)
37 watts (9.3 W/ft)

Peak Candela Value: 1442 @ 0º
CRI: 80 / CCT: 3500K
ITL LM79 Report 85128

Refer to LM-79 reports for candlepower summaries

361
721
1082
1442

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

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

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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.
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

	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. 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
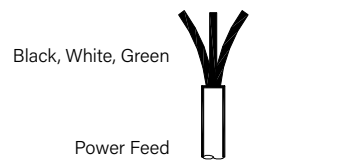
WIRING DIAGRAM - DIMMABLE TO 10%
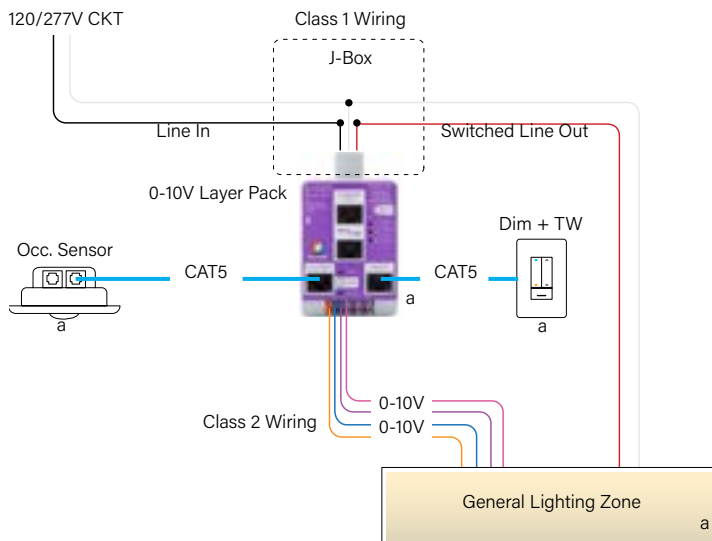
Luminaire Wiring

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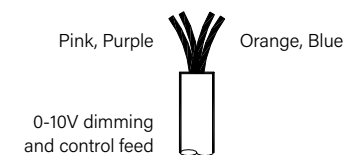- **Orange** (+) / **Blue** (-) control wires are for Tunable White control

Note:
Load or Dim to Off options available.

DUAL FEED DETAIL

Black, White, Green

Power Feed

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

Pink, Purple   Orange, Blue

0-10V dimming and control feed

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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