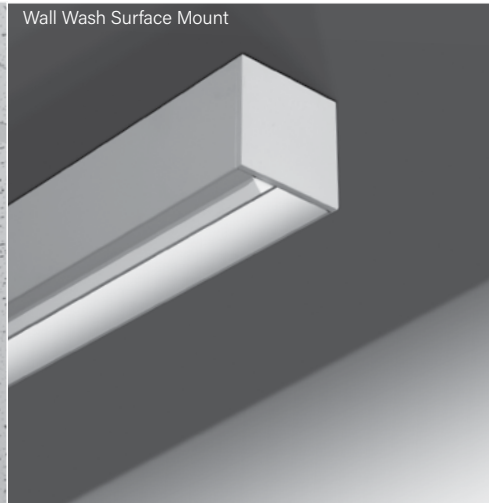


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|----------------|----------|-------|
| Submitted by: | | Date: |
| Type: | Project: | |
| Ordering Info: | | |

High Performance 4" Aperture (HP-4) Surface Mount



High Performance 4" Aperture is a patented, linear LED luminaire family. HP-4 delivers excellent performance using an advanced optical design and mid-power LEDs. Achieving 90% of initial light output at 100,000+ hours and backed by a 10-year performance-based warranty on all standard components.

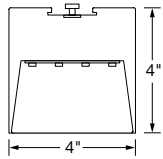
This product is enrolled in the International Living Future Institute (ILFI) Declare 2.0 Program and is third-party verified with options achieving **Red List Approved** and **Red List Declared** status.

Signal White is standard finish

Note: see page 6 for all aesthetic options

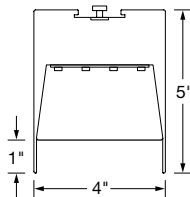
CROSS SECTIONS

Surface Mount



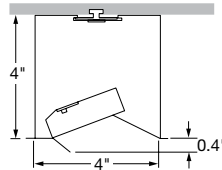
Flush Downlight Diffuser (standard)

Surface Mount Regressed



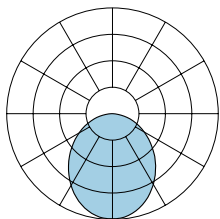
Flat Diffuser with 1" Regressed (RG)

Surface Mount Wall Wash

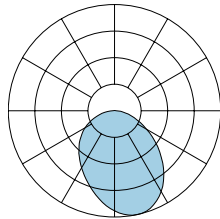


Kicker (standard)

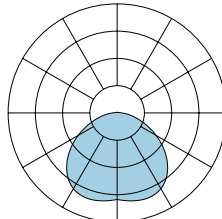
OPTIC OPTIONS



Standard Downlight Optic (F)

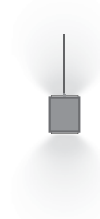


Downlight Asymmetric Optic (DAO)



Downlight Spread Optic (DSO)

ALSO AVAILABLE IN



Pendant (D, ID, I)



Wall Mount (WM)



Surface Mount (SM)



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

High Performance 4" Aperture (HP-4) Surface Mount

Ordering Guide Example: HP - 4 - SM - D - 36' - S - 835 - F - 96LG - 120 - SC - FC-10% - C1 - FE - SW - LGD18W - OBO - CP

BODY TYPE

OUTPUT AND LED TYPE

| Platform | Series Name | Luminaire Type | Luminaire Distribution | Total Length of Run | Downlight Output (Flush) | LED CRI/CCT |
|-----------------------|-------------|--|---------------------------------------|---|---|--|
| HP - High Performance | 4 | SM - Surface Mount SM RG - Direct Regressed | D - Direct WW-D - Wall Wash Direct | Minimum 2' section length. Increments accurate to 1/16" (±1/32"), standard. 12' maximum section length. | S - Standard (379 lm/ft) B - Boosted (477 lm/ft) H - High (720 lm/ft) V - Very High (926 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 |

MECHANICAL/OPTICAL OPTIONS

ELECTRICAL OPTIONS

| Downlight | Reflector System | Voltage | Circuiting ⁴ |
|---|--|--|--|
| F - Flush (standard) BG - Bottom Glow DL - 1" Drop Down Lens DSO - Downlight Spread Optic ³ DAO-L - Downlight Asymmetric Optic Left ^{3,11} DAO-R - Downlight Asymmetric Optic Right ^{3,11} FO - Fully Open for Wall Wash only K - Kicker for Wall Wash only (standard) ² RG-D - Flat Diffuser with 1" Regress ¹ RG-WCB - White Cross Blade Baffle ¹ RG-LHE - Hollowed Ellipse Louver ¹ RG-LHC - Hex Louver ¹ | 96LG - 96 Low Gloss White SSA - Semi-Specular Aluminum for Wall Wash only | 120 - 120 Voltage 277 - 277 Voltage 347 - 347 Voltage (OTI only) | SC - Single Circuit* Battery, Night Light, and Emergency to Generator circuits are in addition to the normal luminaire circuit(s) |

ELECTRICAL OPTIONS

MOUNTING OPTIONS

OTHER OPTIONS

| Driver Selection ⁵ | Ceiling Hardware Type | Endcap Style | Finish |
|--|---|---|---|
| 0-10V Driver Options FC-10% - 0-10V 10% (standard) FC-1% - 0-10V 1% OTI-10% - EldoLED OTI, 0-10V 10% ⁶ OTI-1% - EldoLED OTI, 0-10V 1% ⁶ ELD-10V-0% - EldoLED SOLOdrive, 0-10V 0.1% 10V-TW-10% - EldoLED OTI, 0-10V 10% (Tunable White) ⁶ 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, 0.1% (Tunable White) | DMX Driver Options 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 LD2 Dali-2 1% (Tunable White) | C1 - 15/16" T-Bar C2 - 9/16" T-Bar C3 - Screw Slot C4 - Hard Ceiling | FE - Flat Endcap (standard) DE - 1" Drop Endcap ⁸ OE - Open Endcap ⁹ SW - Signal White (standard) FB - Finelite Black SA - Satin Aluminum #### - RAL Color Code ¹⁰ |

See Page 3 for additional driver options and details

OTHER OPTIONS

| Emergency Style (Optional) <small>See page 5 Backup Battery table</small> | Integrated Sensor (Optional) | Special Options (Optional) |
|---|---|--|
| 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 BSL10T3 - Bodine Battery Back up Low Profile Compact GTD - Generator Transfer Device ALCR - Automatic Load Control Relay See Backup Battery table on page 5 for fitment limitations | OBO - Occupancy ¹¹ OBD - Daylight ¹¹ W601 - Wattstopper Sensor ¹² OBE - Enlighted ¹³ REE - Remote Enlighted ¹⁴ CLM - Encelium RF SLM - Encelium Sensor | AOCC-W - Lutron Athena Sensor ¹⁵ (Device Color White) AOCC-B - Lutron Athena Sensor ¹⁵ (Device Color Black) ARF-W - Lutron Athena RF ¹⁵ (Device Color White) ARF-B - Lutron Athena RF ¹⁵ (Device Color Black) VOCC - Lutron Vive Sensor ¹⁶ VRF - Lutron Vive RF ¹⁶ CP - Chicago Plenum ¹⁷ RLA - Red List Approved RLD - Red List Declared |

¹ Regressed only

² Kicker standard in Signal White. Customer Custom color kickers have a surcharge

³ Not available with Regressed or Curves

⁴ Contact factory for switching options

⁵ See page 3 for more details

⁶ Add DTO to gain "Dim to Off" functionality (FC-10% - DTO, FC-1% - DTO)

⁷ B & V outputs only

⁸ 1" Drop Down Lens downlight only

⁹ Available with Hollowed Ellipse Louver (LHE) only

¹⁰ 20 business days lead time for color

¹¹ Not available with Wall Wash

¹² LMFS-601 w/ 0-10V driver(s) and LMFI-111, up to 6 drivers may be connected.

¹³ LMFS-601 w/ Dali driver, only 1 driver can be connected.

¹⁴ Enlighted components installed by Finelite, provided by others

¹⁵ Enlighted for Wall Wash fixtures. Enlighted Control Unit & Sensor Cable installed for Remote mounting sensor

¹⁶ 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

¹⁷ Lutron Vive Integrated Sensors require a DALI driver

¹⁸ Only available with C1, C2, and C3 mounting hardware with Finelite Gridbox

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

High Performance 4" Aperture (HP-4) Surface Mount

SUPPLEMENTARY DRIVER PAGE

0-10V Driver Options

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

DALI Driver Options

| | |
|---------------------|---|
| FC-DALI-1% | Factory Choice, DALI 1% Dimming (Logarithmic) |
| ODXL-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) |

DMX Driver Options

| | |
|---------------------|--|
| ELD-DMX | EldoLED POWERdrive, DMX 0.1% Dimming (8 Bit, 1CH) (Linear) |
| ELD-DMX-16 | EldoLED POWERdrive, DMX 0.1% Dimming (16 Bit, 2CH) (Linear) |
| ELD-DMX-TW | EldoLED POWERdrive, DMX 0.1% Dimming, Tunable White (8 Bit, 2CH - CH1 Warm / CH2 Cool) (Linear) |
| ELD-DMX-TW16 | EldoLED POWERdrive, DMX 0.1% Dimming, Tunable White (16 Bit, 4CH - CH1, 2 Warm / CH3, 4 Cool) (Linear) |

Lutron Driver Options

| | |
|----------------|-------------------------------------|
| LUT-ES1 | Lutron, Ecosystem 1% Dimming |
| LUT-TW | Lutron LD2 Dali-2 1%, Tunable White |

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

High Performance 4" Aperture (HP-4) Surface Mount

SPECIFICATIONS

BODY TYPE

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

LENGTHS: Any length, 2' minimum, in increments down to 1/16" (±1/32"). 12' maximum section length. Hollowed Ellipse Louver (LHE), Hex Louver (LHC), and White Cross Blade Baffle (WCB) are available in 1' increments.

MITERED CORNERS¹: Illuminated corners of greater than 60° and less than 180° in a single plane, available with Flush Diffuser, Bottom Glow Diffuser, Regressed Diffuser, White Cross Blade Baffle² or Wall Wash. Corners not available with Wall Wash (WW-D), Hollowed Ellipse Louver (LHE), Hex Louver (LHC) or 1" Drop Down Lens. Consult factory for tailored lighting options.

OUTPUT AND LED TYPE

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

MECHANICAL/OPTICAL OPTIONS

DOWNLIGHT OPTION: 12' maximum diffuser length. Flush frost white snap-in diffuser standard, 77% transmissive, 99% diffusion. Internal secondary diffusers at corners ensure visually seamless, uniform, continuous illumination. Available with Flush (F), Bottom Glow (BG), 1" Drop Down Lens (DL), White Cross Blade Baffle (WCB)³, Ellipse Louver (LHE)³, Hex Louver (LHC)³, Downlight Spread Optic (DSO), Downlight Asymmetric Optic Left and Right (DAO-L, DAO-R), and Regressed downlight diffusers (RG). 1" Drop Down Lens made of acrylic. Available with a solid endcap or an endcap with a diffuse filler to continue the luminous aesthetic. Downlight Spread Optic (DSO) & Downlight Asymmetric Optic (DAO) are an extruded lenses with a subtle ribbed appearance providing desired improved optical performance. Consult factory for more tailored lumen outputs.

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

REFLECTORS: Die-formed 20-gauge cold-rolled steel reflectors finished in 96LG High Reflectance white powder coat paint. The standard Semi-Specular Aluminum (SSA) Kicker (K) reflector delivers light high on the vertical surface. The Kicker reflector can be easily removed for open distribution (FO).

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.

0-10V:

- One 18-gauge / 3-conductor power
- One 18-gauge / 4-conductor for dimming and controls

Dali:

- One 18-gauge / 5-conductor power and controls

DMX:

- One 18-gauge / 3-conductor power
- One DMX feed

STATIC WHITE DRIVER: Replaceable 120V, 277V, and 347V Constant Current Reduction dimming driver standard. Can be wired dimming or non-dimming. 0-10V dimming controls with a range of 10%- 100% 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 DRIVER OPTIONS:

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

TUNABLE WHITE DRIVER: Replaceable LED driver. Driver is accessible from below the ceiling. 120V and 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 - Lutron LD2 Dali-2 1%, Tunable White.

MOUNTING OPTIONS

HANGING HARDWARE: 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).

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 prewired with plug-and-play interconnected cables to support easy plug-together joining of fixture runs. DMX to RJ45 adapters and an RJ45 terminator for every 32 DMX drivers are included.

OTHER FEATURES

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. Open Endcap (OE) is for use with the Hollowed Ellipse Louver (LHE)⁵; following the curve of the louver.

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

Backup Battery

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

¹ Not available with Wall Wash

² White Cross Blade (WCB) baffles not available with custom angles. Available in 90 degrees only

³ Regressed only

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

High Performance 4" Aperture (HP-4) Surface Mount

Specifications

| 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 OPTIONS⁶:

TW Driver Options

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

INTEGRATED SENSORS: Integrated PIR (Passive Infrared) Occupancy (**OBO**) or Daylight Sensors (**OBD**) available with Flush and Bottom Glow downlight diffusers. PIR sensors not recommended for stairwell applications. Refer to Occupancy Sensor & Daylight Sensor tech sheet and the Embedded Intelligence landing page for more information and additional sensor options. The default location for the Connected Lighting Module (**CLM**) will be on the topside of the fixture for all mounting types except for Surface Mount (**SM**). In SM fixtures the CLM will be located on the direct side of fixture housed in a bracket that is flush with the direct lens.

FINISHES: Finelite Signal White (**SW**) powder coat, Finelite Black (RAL 9005) with semi gloss fine texture (**FB**), and Satin Aluminum (**SA**) are standard. Optional Adder: 179 RAL colors⁷ are available.

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

WEIGHT⁸: SM - 2.8 lb/ft; WW - 2.9 lb/ft

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

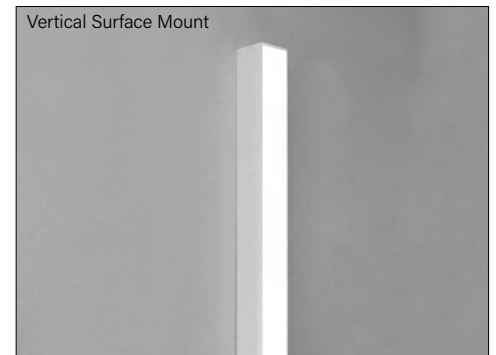
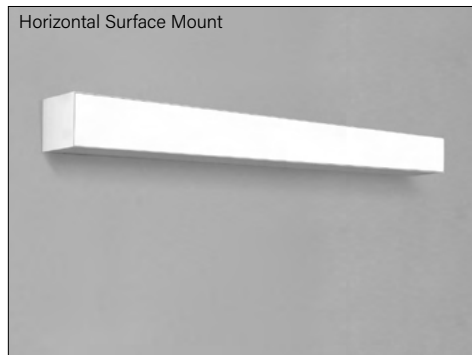
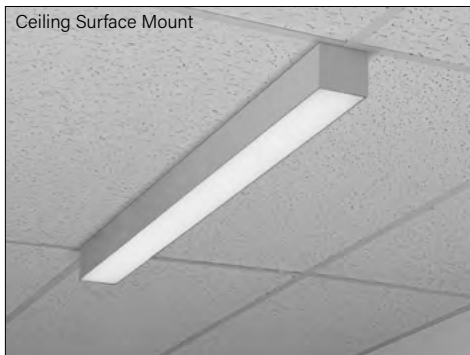
⁵ Regressed only

⁶ Consult Finelite for Generator Transfer Device and Battery Backup fit

⁷ 20 business days lead time for color

⁸ Excludes Battery Backup and Generator Transfer Device weight

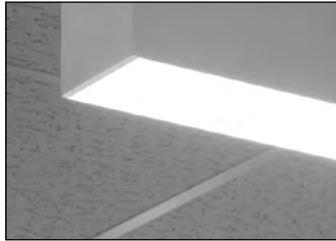
SURFACE MOUNT OPTIONS



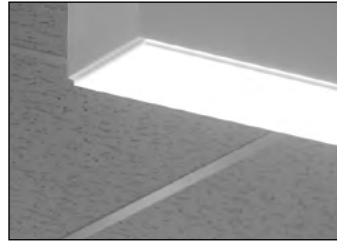
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| Submitted by: | | Date: |
| Type: | Project: | |
| Ordering Info: | | |

High Performance 4" Aperture (HP-4) Surface Mount

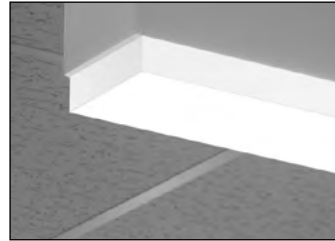
AESTHETIC OPTIONS



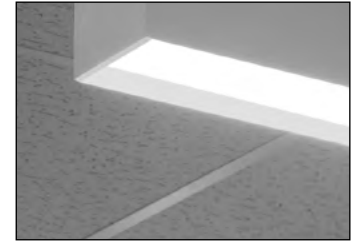
Flush Diffuser (F)



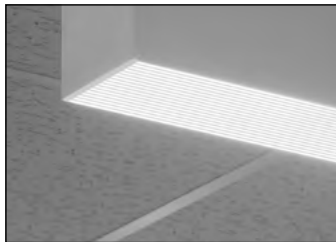
Bottom Glow Diffuser (BG)



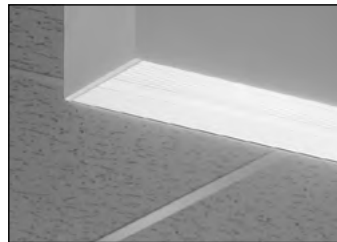
1" Drop Down Lens (DL)



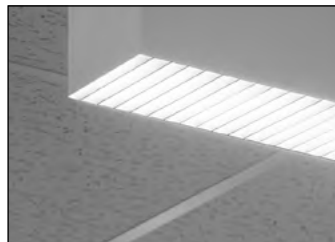
Flat Diffuser with 1" Regressed (RG-D)



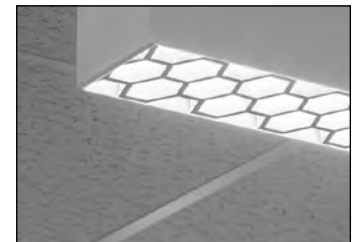
Downlight Spread Optic (DSO)
Externally flush



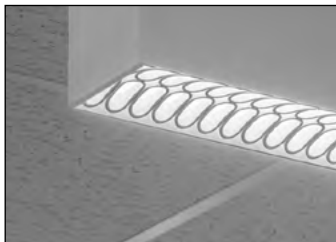
Downlight Asymmetric Optic (DAO)
Externally flush



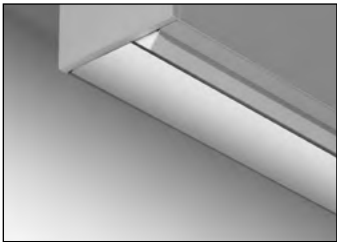
White Cross Blade Baffle¹ (RG-WCB)



Hex Louver¹ (RG-LHC)



Hollowed Ellipse Louver¹ (RG-LHE)



Kicker (K) - Wall Wash only

¹ Not available with Wall Wash

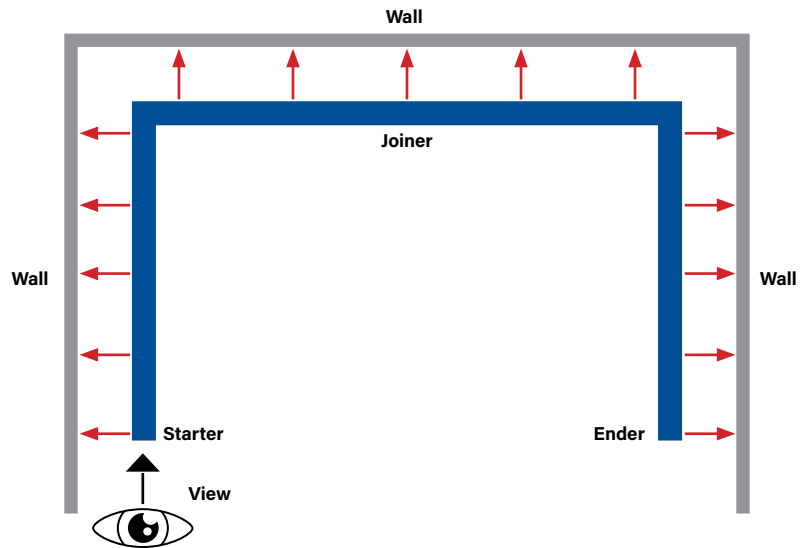
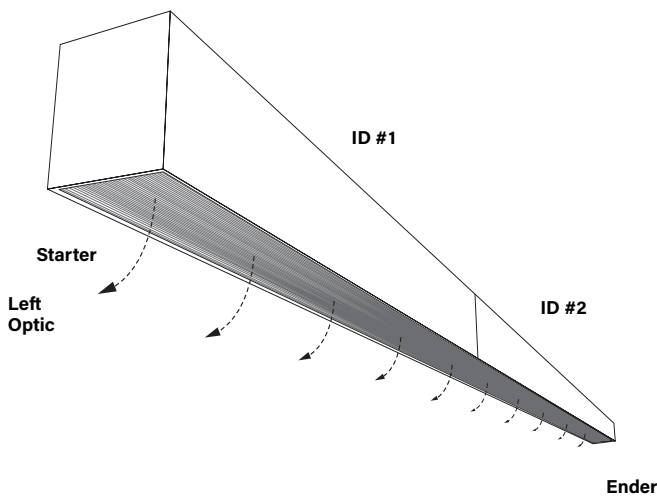
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|----------------|----------|-------|
| Submitted by: | | Date: |
| Type: | Project: | |
| Ordering Info: | | |

High Performance 4" Aperture (HP-4) Surface Mount

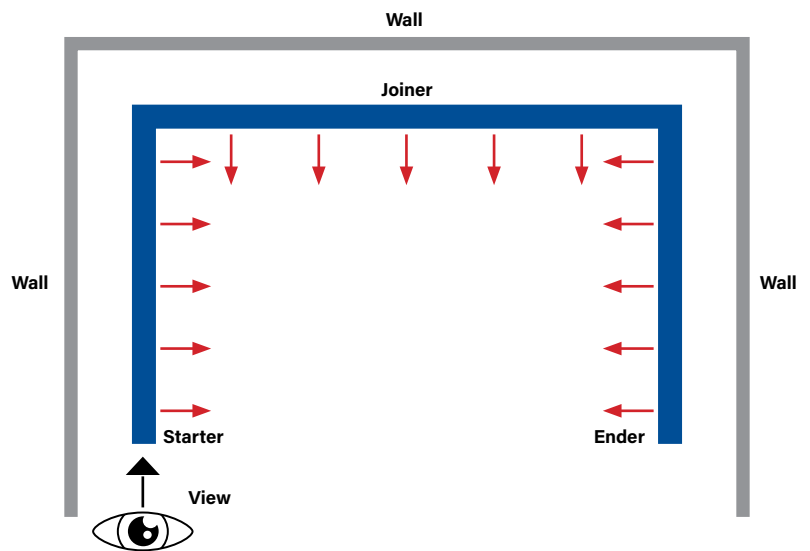
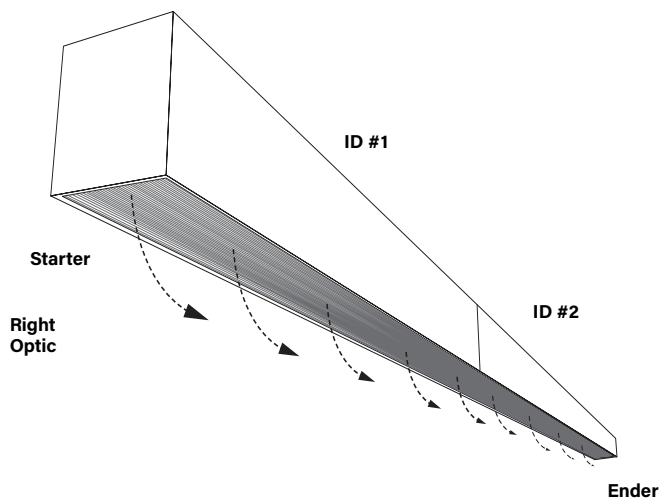
DOWNLIGHT ASYMMETRIC OPTIONS

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

Downlight Asymmetric Optic Left (DAO-L)



Downlight Asymmetric Optic Right (DAO-R)



PREINSTALLED LABEL



For DAO, Preinstalled label on diffuser shows direction of light. Remove after installation.

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

High Performance 4" Aperture (HP-4) Surface Mount

Direct Photometry - 4' Luminaire 3500K

HP4-SM-D-4'-V-835

Downlight: Flush Diffuser

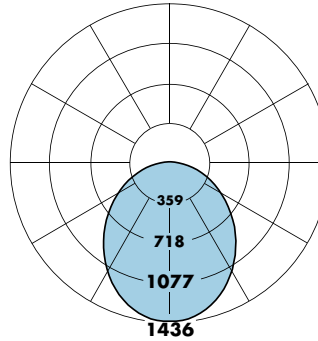
Efficacy: 100 lm/W

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



| | 0.0 | 22.5 | 45 | 67.5 | 90 | 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 | |

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 |

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: 71 W/ft.

$$\text{Efficacy} = \frac{568 \frac{\text{lm}}{\text{ft.}}}{71 \frac{\text{W}}{\text{ft.}}} = 80 \text{ lm/W}$$

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

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

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

² Based on ITL report: 89124

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

High Performance 4" Aperture (HP-4) Surface Mount

Direct Photometry - 4' Luminaire 3500K

HP4-SM-D-4'-V-835-DAO

Downlight: Downlight Asymmetric Optic

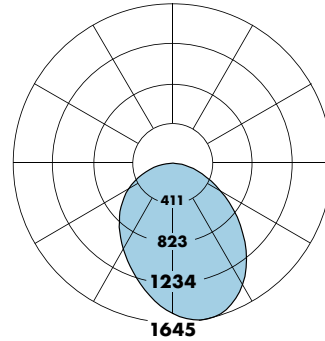
Efficacy: 109 lm/W

Total luminaire output: 3884 lumens (971 lm/ft)
35.6 watts (8.9 W/ft)

Peak Candela Value: 1645 @ 12.5°

CRI: 80 / CCT: 3500K

ITL LM79 Report 94331



| CANDELA DISTRIBUTION | | | | | | |
|----------------------|------|------|------|------|------|------|
| | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 | Flux |
| 0 | 1552 | 1552 | 1552 | 1552 | 1552 | |
| 5 | 1609 | 1591 | 1543 | 1494 | 1476 | 146 |
| 15 | 1641 | 1599 | 1468 | 1341 | 1292 | 413 |
| 25 | 1538 | 1506 | 1323 | 1153 | 1110 | 609 |
| 35 | 1315 | 1314 | 1116 | 960 | 939 | 704 |
| 45 | 1019 | 1052 | 872 | 768 | 779 | 691 |
| 55 | 710 | 759 | 629 | 578 | 616 | 587 |
| 65 | 438 | 476 | 404 | 391 | 436 | 423 |
| 75 | 216 | 239 | 214 | 218 | 248 | 239 |
| 85 | 57 | 62 | 63 | 64 | 70 | 70 |
| 90 | 0 | 0 | 0 | 0 | 0 | |

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

| S ¹ | B ¹ | H ¹ | V ² |
|----------------|----------------|----------------|----------------|
| 1590 | 1999 | 3021 | 3884 |

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

| S ¹ | B ¹ | H ¹ | V ² |
|----------------|----------------|----------------|----------------|
| 397 | 500 | 755 | 971 |

Power, 3500K (Watts Per Foot)

| S ¹ | B ¹ | H ¹ | V ² |
|----------------|----------------|----------------|----------------|
| 3.5 | 4.4 | 6.8 | 8.9 |

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

| S ¹ | B ¹ | H ¹ | V ² |
|----------------|----------------|----------------|----------------|
| 114 | 113 | 111 | 109 |

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: 3021 lm x 0.789 = 2384 lm

Total Light Output per Foot: 755 lm/ft x 0.789 = 596 lm/ft.

watts/foot: 6.8 W/ft.

$$\text{Efficacy} = \frac{596 \frac{\text{lm}}{\text{ft.}}}{6.8 \frac{\text{W}}{\text{ft.}}} = 88 \text{ lm/W}$$

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

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

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

² Based on ITL report: 94331

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

High Performance 4" Aperture (HP-4) Surface Mount

Wall Wash Direct Photometry - 4' Luminaire 3500K

HP4-SM-WW-D-K-4'-V-835

Downlight: With Kicker

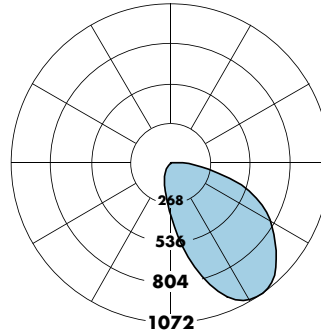
Efficacy: 92 lm/W

Total luminaire output: 1816 lumens (454 lm/ft)
21.5 watts (5.4 W/ft)

Peak Candela Value: 1072 @ 35°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85130



| CANDELA DISTRIBUTION | | | | | | |
|----------------------|------|------|------|------|------|------|
| | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 | FLUX |
| 0 | 373 | 373 | 373 | 373 | 373 | |
| 5 | 495 | 456 | 374 | 306 | 281 | 37 |
| 15 | 791 | 649 | 366 | 209 | 175 | 121 |
| 25 | 1018 | 818 | 347 | 147 | 115 | 217 |
| 35 | 1072 | 896 | 315 | 101 | 72 | 294 |
| 45 | 996 | 848 | 271 | 62 | 35 | 328 |
| 55 | 842 | 708 | 214 | 28 | 6 | 311 |
| 65 | 673 | 536 | 149 | 5 | 6 | 259 |
| 75 | 407 | 363 | 84 | 4 | 5 | 173 |
| 85 | 157 | 137 | 25 | 0 | 0 | 70 |
| 90 | 75 | 54 | 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: 1412 lm x 0.789 = 1114 lm

Total Light Output per Foot: 353 lm/ft x 0.789 = 279 lm/ft.

watts/foot: 3.8 W/ft.

$$\text{Efficacy} = \frac{279 \frac{\text{lm}}{\text{ft.}}}{3.8 \frac{\text{W}}{\text{ft.}}} = 73 \text{ lm/W}$$

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

| S ¹ | B ¹ | H ¹ | V ² |
|----------------|----------------|----------------|----------------|
| 743 | 935 | 1412 | 1816 |

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

| S ¹ | B ¹ | H ¹ | V ² |
|----------------|----------------|----------------|----------------|
| 186 | 234 | 353 | 454 |

Power, 3500K (Watts Per Foot)

| S ¹ | B ¹ | H ¹ | V ² |
|----------------|----------------|----------------|----------------|
| 2.0 | 2.5 | 3.8 | 5.0 |

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

| S ¹ | B ¹ | H ¹ | V ² |
|----------------|----------------|----------------|----------------|
| 91 | 92 | 92 | 92 |

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

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

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

² Based on ITL report: 86130

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

High Performance 4" Aperture (HP-4) Surface Mount

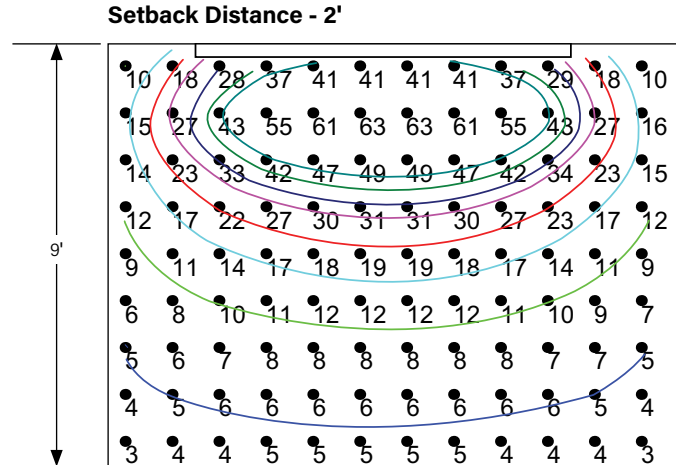
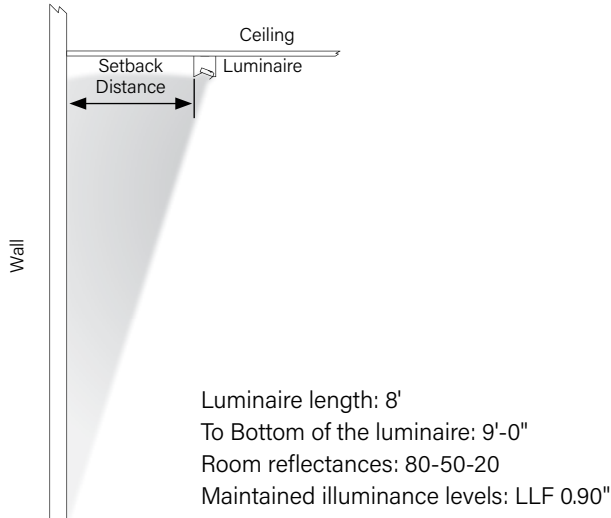
SETBACK INFO AND APPLICATION DATA - WALL WASH SURFACE MOUNT

HP4-SM-WW-D-K-4'-V-835

Downlight: With Kicker

Total luminaire output: 1450 lumens (363 lm/ft)
19.1 watts (4.8 W/ft)

CRI: 80 / CCT: 3500K



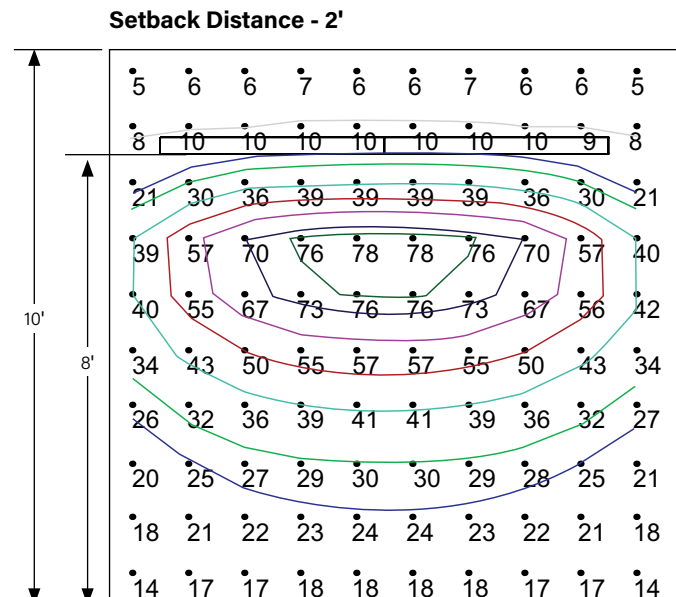
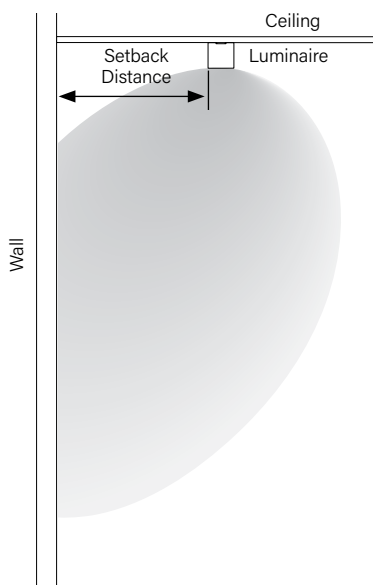
Downlight Asymmetric Optic - Setback Info and Application Data

HP4-SM-D-4ft-V-835-DAO

Downlight: DAO

Total luminaire output: 3884 lumens (971 lm/ft)
35.6 watts (8.9 W/ft)

CRI: 80 / CCT: 3500K



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

0-10V Tunable White

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

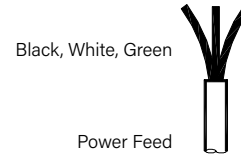
TUNABLE WHITE FEATURES

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

Note:

Dim to Off options available.

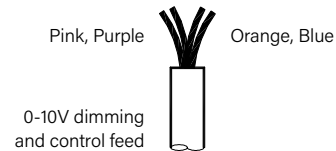
DUAL FEED DETAIL



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

LUMINAIRE FAMILY MODIFICATIONS/RESTRICTIONS

| Surface Mount 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) | | | | | | | ✓ | | ✓ | | ✓ | |



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

PHOTOMETRY

Apply a power adjustment factor to calculate wattage usage

| POWER | CONVERSION FACTOR |
|-------|-------------------|
| | 1.1X |

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

