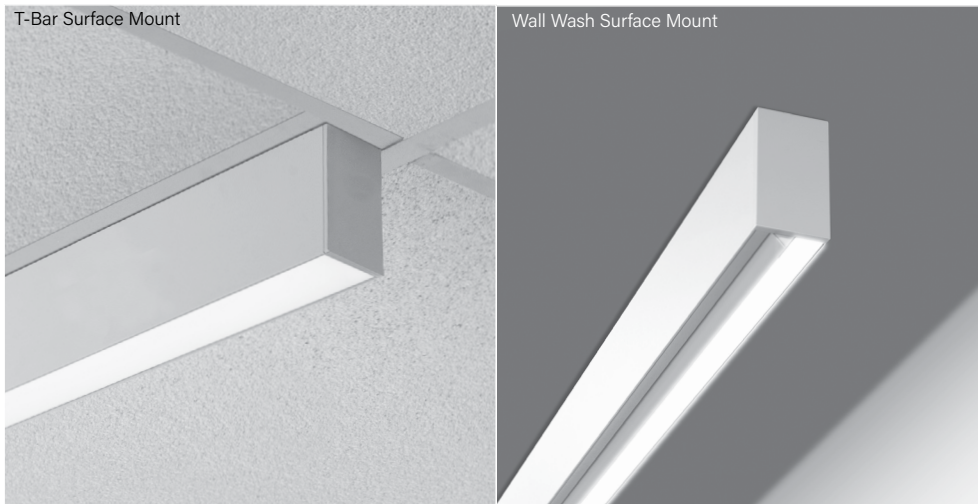


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Surface Mount



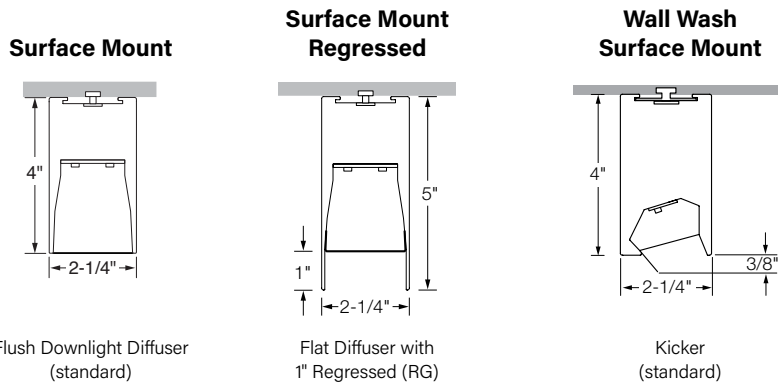
High Performance 2" Aperture is a patented, linear LED luminaire family. HP-2 delivers excellent performance using an advanced optical design and mid-power LEDs deliver uniform illumination with a clean aesthetic, while adaptable for a wide range of applications and spaces. 10-year performance-based 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.

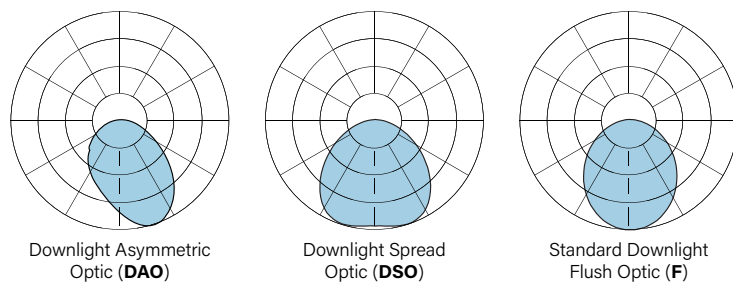
Signal White is standard finish

Note: see page 6 for all aesthetic options

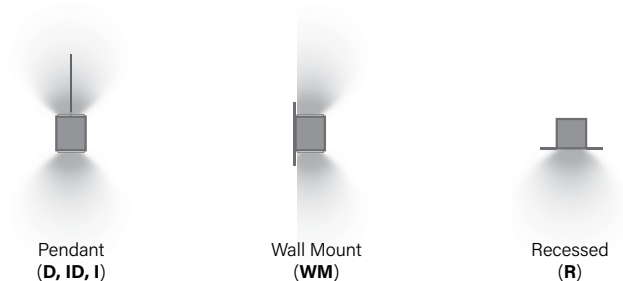
CROSS SECTIONS



OPTIC OPTIONS



ALSO AVAILABLE IN



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

High Performance 2" Aperture (HP-2) Surface Mount

Ordering Guide Example: HP - 2 - SM - D - 36' - S - 835 - F - 96LG - 120 - SC - FC-10% - FA50 - C1 - FE - SW - LGD18W - OBO1 - CP - SQ2

BODY TYPE

OUTPUT AND LED TYPE

Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Length of Run	Downlight Output (Flush)
HP - High Performance	2	SM - Surface Mount SM RG - Direct Regressed (Wall Wash not available)	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 (350 lm/ft) B - Boosted (449 lm/ft) H - High (684 lm/ft) V - Very High (870 lm/ft) TL - Tailored: _____ lm/ft*

Lumen provide are for Flush lens only, see pg. 9 for WW lumens
* Specify Tailored lm/ft of outputs between Standard (S) and Very High (V). Consult factory for tailored lumen output outside of this range.

OUTPUT AND LED TYPE

MECHANICAL/OPTICAL OPTIONS

ELECTRICAL OPTIONS

LED CRI/CCT	Downlight	Reflector System	Voltage	Circuiting ³
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	F - Flush (standard) ^{1,11} BG - Bottom Glow ^{1,11} DL - 1" Drop Down Lens ^{1,11} RG-D - Flat Diffuser with 1" Regress ^{2,11} RG-WCB - White Cross Blade Baffle ^{2,11} RG-LHE - Hollowed Ellipse Louver ^{2,11} RG-LHC - Hex Louver ^{2,11} DAO-L - Downlight Asymmetric Optic Left ^{1,5,11} DAO-R - Downlight Asymmetric Optic Right ^{1,5,11} DSO - Downlight Spread Optic ^{1,5,11} K - Kicker for Wall Wash only (standard) ⁶ FO - Fully Open for Wall Wash only	96LG - 96 Low Gloss White SW - Signal White for Wall Wash only	120 - 120 Voltage 277 - 277 Voltage 347 - 347 Voltage (OTI only)	SC - Single Circuit* One single circuit in a run MC - Multi-Circuit* More than one switch leg or zone. 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	DMX Driver Options	Ceiling Hardware Type	Endcap Style
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, 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) See Page 3 for additional driver options and details	C1 - 15/16" T-Bar C2 - 9/16" T-Bar C3 - Screw Slot C4 - Hard Ceiling	FE - Flat Endcap (standard) DE - 1" Drop Endcap ⁷ OE - Open Endcap ⁸ Finish SW - Signal White (standard) FB - Finelite Black ⁹ SA - Satin Aluminum ⁹ MM01 - Gray Elm ¹⁰ MM02 - White Oak ¹⁰ MM03 - Teak ¹⁰ MM04 - Walnut ¹⁰ #### - RAL Color Code ¹⁰ Material Mimic (MM) RLA & RLD pending

OTHER OPTIONS

Emergency Style (Optional) See page 5 Backup Battery table

LGD18W - Legrand 18W Brand Battery Back-up
LGD10W - Legrand 10W Brand Battery Back-up
EM/GEN - Emergency to Generator

NL - Night Light
BSL310LP - Bodine Battery Back up Low Profile
BSL10T3 - Bodine Battery Back up Low Profile Compact

GTD - Generator Transfer Device ²⁰
ALCR - Automatic Load Control Relay ²⁰
RRU - Shunt Relay for 0-10V

OTHER OPTIONS

Integrated Sensor (Optional) ¹²	Special Options (Optional)	Configuration ¹⁷
OBO1 - WS FS-305 w/ FS-L6 lens on/off (max mounting height 8") ¹⁴ OCC Sensor OBO2 - WS FS-305 w/ FS-L3W lens on/off (max mounting height 20") ¹⁴ OCC Sensor OBO3 - WS FS-305D w/ FS-L6 lens Dim to 50% (max mounting height 8") ¹⁴ OCC Sensor OBO4 - WS FS-305D w/ FS-L3W lens Dim to 50% (max mounting height 20") ¹⁴ OCC Sensor OBO5 - WS FS-505 Low Voltage Stair Mount Sensor OBD - Daylight ¹ W601 - Wattstopper Wireless Sensor ¹² CLM - Wattstopper Plus RF (see page 7 for details) SLM - Wattstopper Plus Sensor RE7 - nLight Occupancy & Daylight ¹³	NE7 - nLight Occupancy ¹³ AOCC-W - Lutron Athena Sensor (Device Color White) ^{14, 19} AOCC-B - Lutron Athena Sensor (Device Color Black) ^{14, 19} ARF-W - Lutron Athena RF (Device Color White) ^{14, 19} ARF-B - Lutron Athena RF (Device Color Black) ^{14, 19} VOCC - Lutron Vive Wireless Sensor (VDO) ¹⁵ VRF - Lutron Vive Radio Only ¹⁵ WCLA-D - WaveLinx WCL-OEM-WAA-D ²¹ WCLA - WaveLinx WCL-OEM-WAA ²¹ WCLB-D - WaveLinx WCL-OEM-WAB-D ²¹ WCLB - WaveLinx WCL-OEM-WAB ²¹ WCLR - WaveLinx Remote ²¹	CP - Chicago Plenum ¹⁶ RLA - Red List Approved RLD - Red List Declared SQ _____ - Square (side 1) REC _____ x _____ - Rectangle (side 1 x side 2) L _____ x _____ - " L " Shape (side 1 x side 2) U _____ x _____ x _____ - " U " Shape (side 1 x side 2 x side 3) 99CFG - Custom Configuration ¹⁸

1 Not available with Wall Wash

2 Regressed only

3 Contact factory for switching options

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

5 Not available with Regressed or Curves

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

7 1" Drop Down Lens downlight only

8 Available with Hollowed Ellipse Louver (LHE) only

9 15 business days lead time

10 20 business days lead time for MM and color

11 Minimum fixture length with a sensor is 3ft.

12 LMFS-601 w/ 0-10V driver(s) and LMFI-11, up to 6 drivers may be connected. LMFS-601 w/ Dali driver, only 1 driver can be connected.

13 Contact factory

14 0-10V Drivers - AOCC up to 10 drivers may be connected; ARF up to 40 drivers may be connected. DALI Drivers - AOCC & ARF up to 4 drivers can be connected.

15 Lutron Vive Integrated Sensors require a DALI driver

16 Only available with C1, C2, and C3 mounting hardware

17 See pages 8 for more details and examples

18 Please provide drawing with dimensions

19 When LUT-ELI is specified for emergency lighting, do not include an integral UL924 relay (eg. ALCR or GTD). For more details, see Lutron EM App Note 106 or Lutron Vive EM App Note 628

20 Do not use in applications where Lutron integrated controls and LUT-ELI are both specified.

21 See sensor under Specification Section (page 5) for more information.

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

High Performance 2" Aperture (HP-2) Surface Mount

SUPPLEMENTARY DRIVER PAGE

0-10V Driver Options

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

DALI Driver Options

FC-DALI-1%	Factory Choice, DALI 1% Dimming (Logarithmic)
DXL-DALI-1%	EldoLED Dexal, DALI 1% Dimming (Logarithmic)
ELD-DALI-0%	EldoLED SOLOdrive, DALI 0.1% Dimming (Logarithmic)
ELD-DALI-1%	EldoLED ECOdrive, DALI 1% Dimming (Logarithmic)
ELD-DALI-TW	EldoLED DUALdrive Light Shape, DALI 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 2" Aperture (HP-2) Surface Mount

SPECIFICATIONS

BODY TYPE

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

LENGTHS: Any length, 2' minimum, in increments down to 1/16th" (±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, or White Cross Blade Baffle². Corners not available with Wall Wash (WW-D), Hollowed Ellipse Louver (**LHE**), Hex Louver (**LHC**) or 1" Drop Down Lens. Contact factory for Double miters using the White Cross Blade Baffle. 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.

WELL Building, feature L04 Electric Light Glare control:

HP-2 D F: 80CRI - Tailored to 296 lumens/ft, 80 CRI - **S**; HP-2 D RG LHE: 80CRI - **S/B/H**, 90CRI - **S/B/H/V**; HP-2 D RG LHC: 80CRI - **S**; 90CRI - **S/B**; HP-2 RG WCB: 80CRI - **S**, 90CRI - **S/B**; HP-2 D DL: 80CRI - **S**; 90CRI - **S/B**; HP-2 D DSO: 80CRI - Tailored to 274 lumens/ft, 90CRI - **S**.



LEED v5, interior Lighting Indoor Environmental Quality (qualify for LEED v4.1): HP-2 D F: 80CRI - **S**, 90CRI - **S/B**; HP-2 D RG LHE: 80CRI - **S/B/H**, 90CRI - **S/B/H/V**; HP-2 D RG LHC: 80CRI - **S/B/H**; 90CRI - **S/B/H/V**; HP-2 RG WCB: 80CRI - **S/B**, 90CRI - **S/B**; HP-2 D DL: 80CRI - **S**; 90CRI - **S/B**; HP-2 D DSO: 80CRI - Tailored to 274 lumens/ft, 90CRI - **S**.



MECHANICAL/OPTICAL OPTIONS

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**), 1" Drop Down Lens (**DL**), White Cross Blade Baffle (**WCB**)^{2,3}, Ellipse Louver (**LHE**)³, Hex Louver (**LHC**)³, Downlight Asymmetric Optic (**DAO**)⁴, Downlight Spread Optic (**DSO**)⁴, and Regressed downlight diffusers (**RG**). 1" Drop Down Lens (**DL**) made of highly efficient acrylic. Available with a solid endcap or an endcap with a diffuse filler to continue the luminous aesthetic. Downlight Spread & Downlight Asymmetric Optics are extruded lenses with a subtle ribbed appearance providing a batwing or asymmetric distribution for 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 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 (*LDEIseries*).

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*). 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' (*standard*), 12', and 30'.

TUNABLE WHITE DMX INTERCONNECTION CABLES: Luminaires are pre-wired 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 luminaire of drop lens. Open Endcap (**OE**) is for use with the Hollowed Ellipse Louver (**LHE**)⁵; following the curve of the louver.

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

⁴ Not available with Regressed or Curves

⁵ Regressed only

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

High Performance 2" Aperture (HP-2) Surface Mount

SPECIFICATIONS

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

Backup Battery		
	Legrand 18W	Legrand 10W/ Bodine BSL310LP
HP2-SM-D		
Min. Housing Length	8"	6"
EM Lumen Output	1608	956
EM Section Illuminated	2'	2' or 4'
HP2-SM-WW-D		
Min. Housing Length	8"	4"
EM Lumen Output	1500	891
EM Section Illuminated	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 11.

Bodine GTD and Legrand ALCR Min. Length	
Configuration	Min Length
Generator	6'
Generator + OCC	8'
Daylight	6'
Generator + Daylight	8'

Tunable White ELECTRICAL OPTIONS ⁶:

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. Minimum fixture length: Direct and Indirect with a sensor is 3ft. 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. Wavelinx Sensors ⁷: Wavelinx PRO (**WCLA-D**) requires **DTO** 0-10V Aux driver to power sensor; Wavelinx PRO (**WCLA**) requires standard 0-10V driver, control module, and 54" cable; Wavelinx LITE (**WCLB-D**) requires **DTO** 0-10V Aux driver to power sensor; Wavelinx LITE (**WCLB**) requires standard 0-10V driver, control module, and 54" cable; Wavelinx Remote (**WCLR**) option can be used with **LITE** or **PRO**. Finelite provides Wavelinx control module and 54" sensor cable **ONLY** (sensor provided and installed remotely by others). Sensor cables will exit existing fixture feed holes nearest the specified locations within the fixture or run.

FINISHES: Finelite Signal White (**SW**) powder coat is standard. Finelite Black (**RAL 9005**) with semi gloss fine texture (**FB**) ⁸, and Satin Aluminum (**SA**) ⁸ are available. Material Mimic options ⁹: Gray Elm (**MM01**), White Oak (**MM02**), Teak (**MM03**), Walnut (**MM04**). Optional Adder: 179 RAL colors ⁹ 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. HP-2 can be used to comply with 2016 Title 24, Part 6 (*JA8*); high efficacy LED light source requirements. 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 ¹⁰: SM - 2.3 lb/ft; WW - 2.9 lb/ft

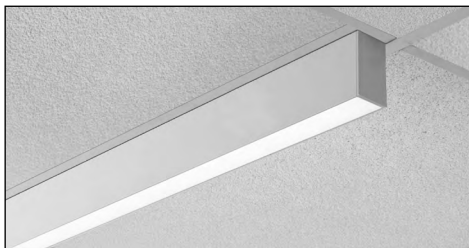
WARRANTY: 10-year performance-based warranty on all standard components. Optional accessories such as emergency battery packs are covered by their individual manufacturer warranties.

⁶ Consult Finelite for Generator Transfer Device and Battery Back up fit
⁷ Contact Factory for more information

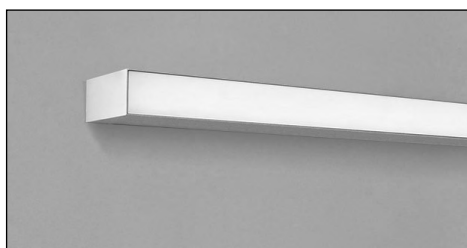
⁸ 15 business days lead time
⁹ 20 business days lead time for Material Mimic and color

¹⁰ Excludes Battery Back up and Generator Transfer Device weight

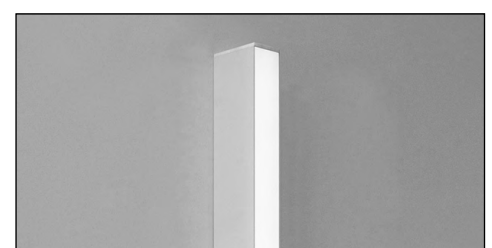
SURFACE MOUNT OPTIONS



Ceiling Surface Mount



Horizontal Surface Mount

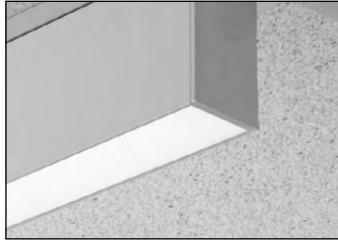


Vertical Surface Mount

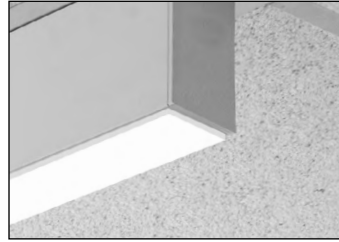
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Surface Mount

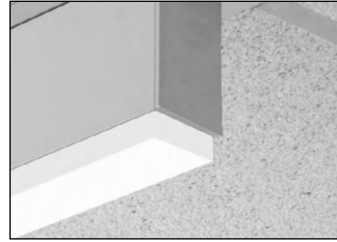
AESTHETIC OPTIONS



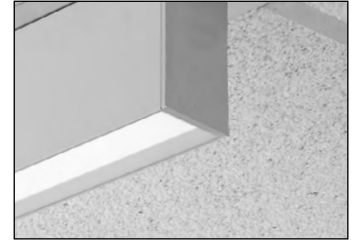
Flush Diffuser (F)



Bottom Glow Diffuser (BG)



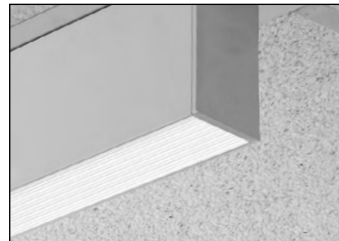
1" Drop Down Lens (DL)



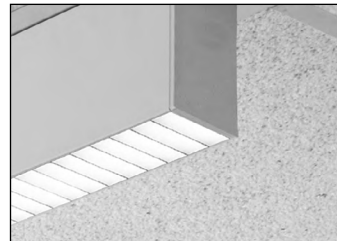
Flat Diffuser with 1" Regressed (RG-D)



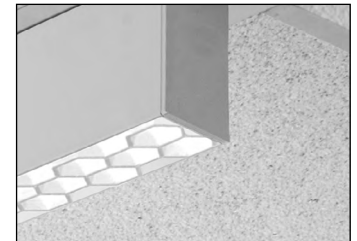
Downlight Asymmetric Optic (DAO)¹
Externally flush



Downlight Spread Optic (DSO)¹
Externally flush



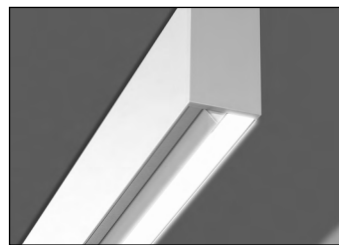
White Cross Blade Baffle² (RG-WCB)



Hex Louver² (RG-LHC)



Hollowed Ellipse Louver² (RG-LHE)



Kicker (K) - Wall Wash only

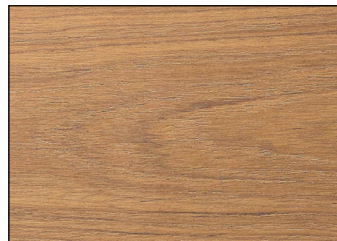
MATERIAL MIMIC OPTIONS³



Gray Elm (MM01)



White Oak (MM02)



Teak (MM03)



Walnut (MM04)

The appearance of Material Mimic finishes may vary due to environmental lighting conditions and surrounding color influences. Sample swatches are available upon request for evaluation in situ under expected lighting and design conditions.

¹ With a subtle ribbed appearance providing specialized distribution

² Regressed only. Not available with Wall Wash

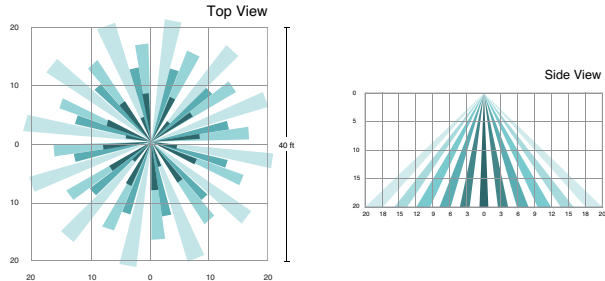
³ Due to the uniqueness of Material Mimic options, color and grain pattern may vary, sample swatches are available upon request.

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

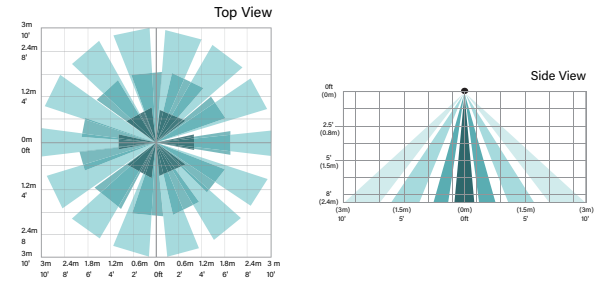
High Performance 2" Aperture (HP-2) Surface Mount

OCCUPANCY SENSOR OPTIONS

FS-L3W top and side coverage patterns

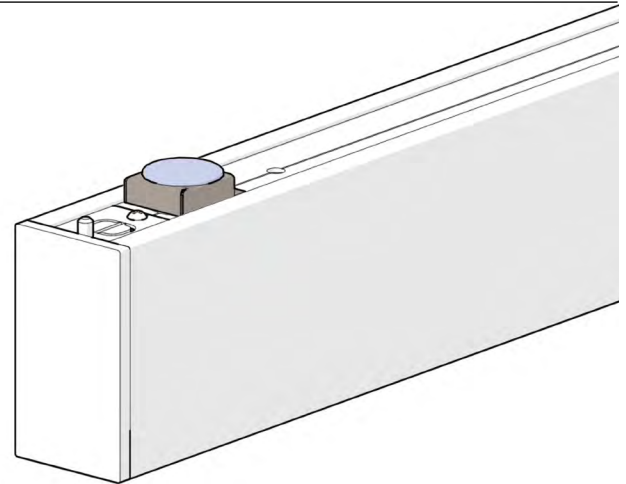


FS-L6 top and side coverage patterns



CONNECTED LIGHTING MODULE (CLM) LOCATION

The default location for the Connected Lighting Module (CLM) will be on the topside of the fixture. Consult factory for direct side mounting. For Indirect, Lenses can go over the sensor, no special lens reduction needed.



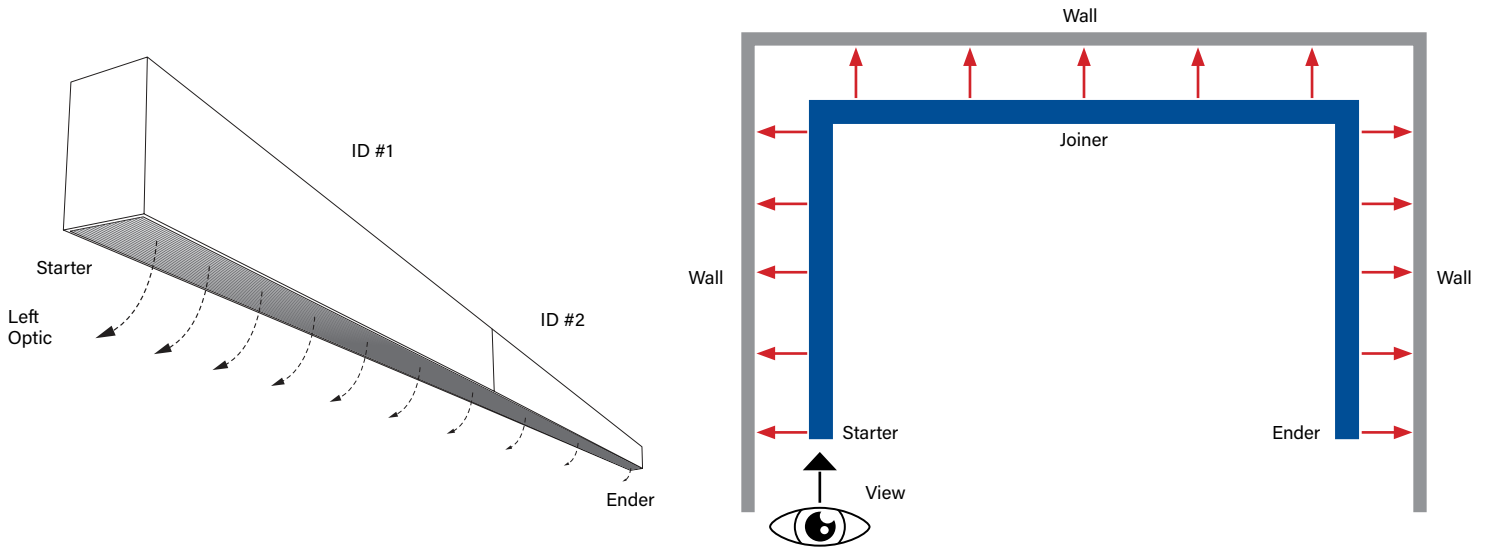
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Surface Mount

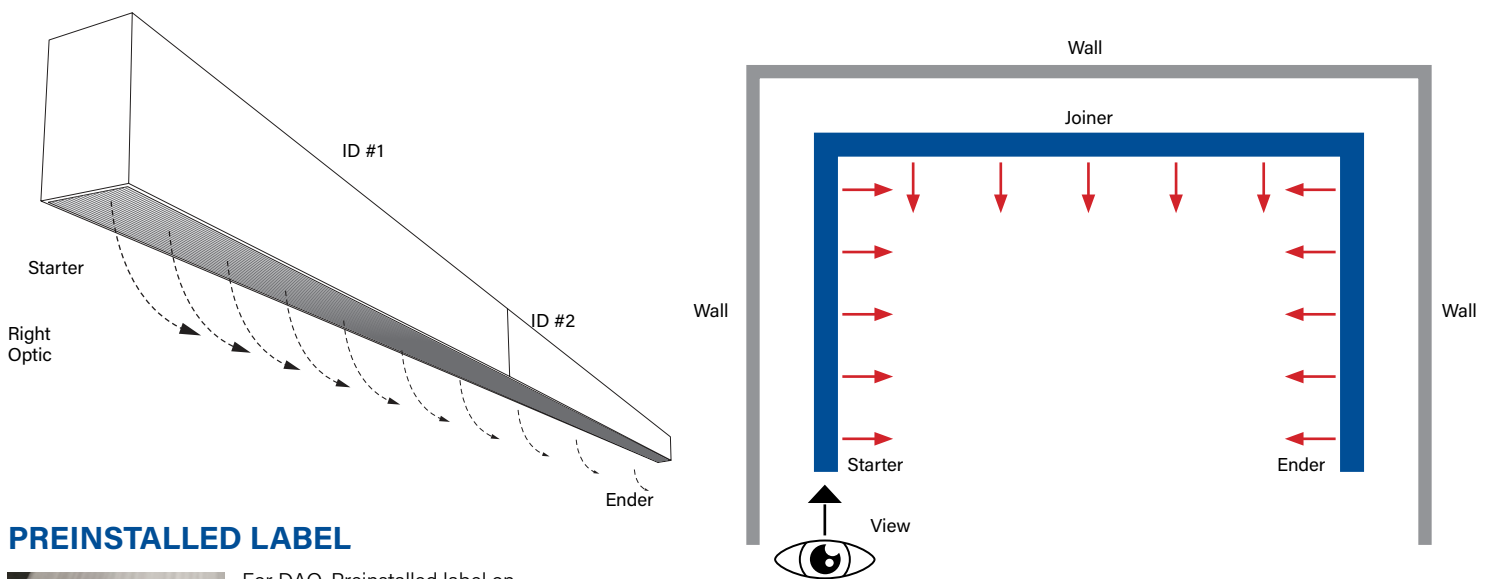
DOWNLIGHT ASYMMETRIC OPTIONS

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:		

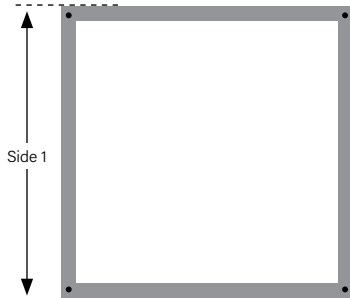
High Performance 2" Aperture (HP-2) Surface Mount

STANDARD CONFIGURATION EXAMPLES ^{1,2} - SINGLE PLANE

TOP VIEW

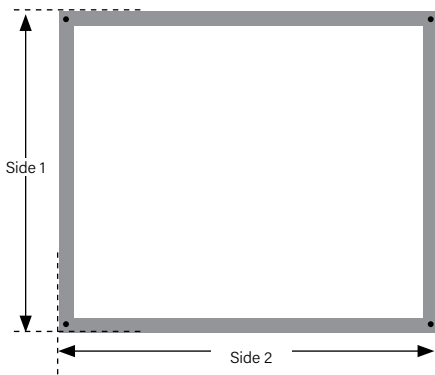
SQ ____
Square - Provide Side 1 dimension

Example - SQ6'



REC ____ x ____
Rectangle - Provide Side 1 x Side 2 dimension

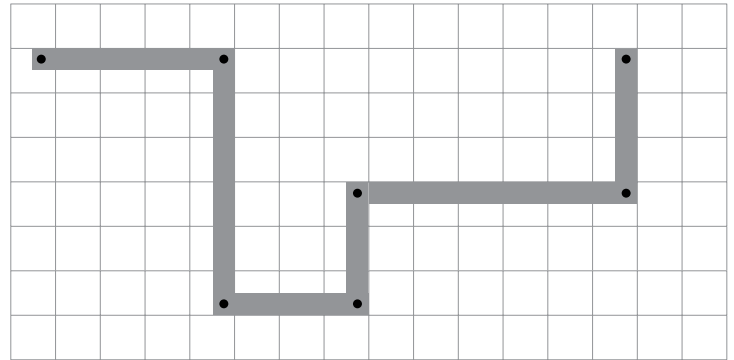
Example - REC5'x7'



99CFG ³

Custom Configuration - Please provide a sketch or drawing showing desired linear length dimensions and curved sections. Template available on page 10.

Example -



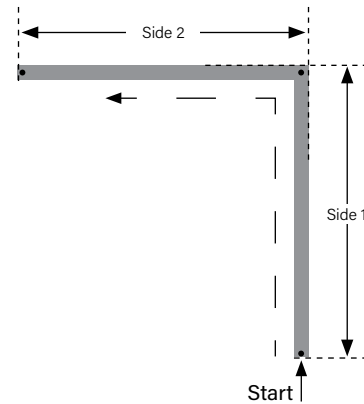
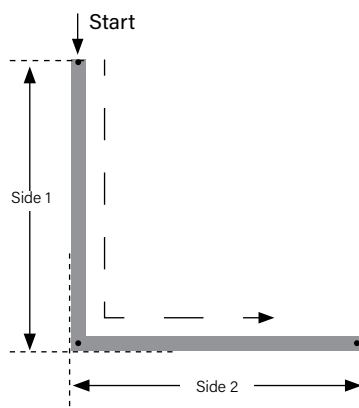
= 1 ft²

TOP VIEW

L ____ x ____
L- Provide Side 1 x Side 2 dimensions

Example - L6'x6'

Specify counterclockwise from Start of the run

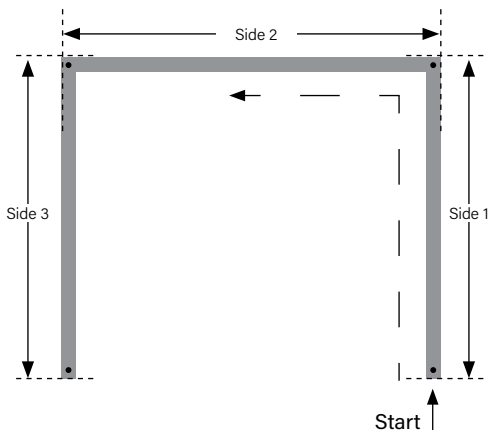
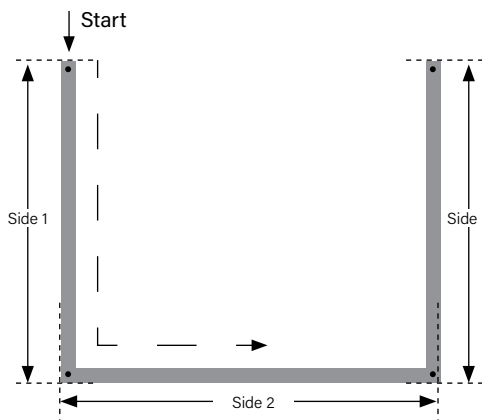


TOP VIEW

U ____ x ____ x ____
U Shape - Provide Side 1 x Side 2 x Side 3 dimension

Example - U5'x7'x5'

Specify counterclockwise from Start of the run



● = Suspension Points

¹ Drawings are not to scale


² 2' minimum length for linear sections

³ 99CFG between 60 - 179 degree with seamless joints

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

High Performance 2" Aperture (HP-2) Surface Mount

CUSTOM CONFIGURATION TEMPLATE

 = 1 ft²



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

High Performance 2" Aperture (HP-2) Surface Mount

Direct Photometry - 4' Luminaire 3500K

HP2-SM-D-4'-V-835-DAO

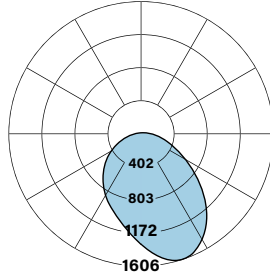
Downlight: Downlight Spread Optic

Efficacy: 101 lm/W

Total luminaire output: 3609 lumens (902 lm/ft)
36 watts (9.0 W/ft)

Peak Candela Value: 1606 @ 17.5°

CRI: 80 / CCT: 3500K



HP2-SM-D-4'-V-835-DSO

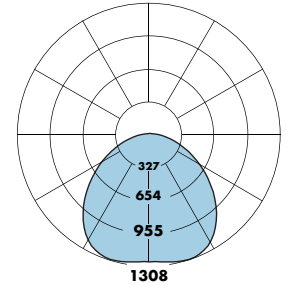
Downlight: Downlight Spread Optic

Efficacy: 98 lm/W

Total luminaire output: 3499 lumens (875 lm/ft)
36 watts (9.0 W/ft)

Peak Candela Value: 1308 @ 17.5°

CRI: 80 / CCT: 3500K



Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
↓S ¹	↓B ¹	↓H ¹	↓V ²
1450	1863,7	2836	3609

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
↓S ¹	↓B ¹	↓H ¹	↓V ²
1406	1807	2750	3499

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
↓S ¹	↓B ¹	↓H ¹	↓V ²
362	466	709	902

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
↓S ¹	↓B ¹	↓H ¹	↓V ²
351	452	688	875

Power, 3500K (Watts Per Foot)							
↓S ¹		↓B ¹		↓H ¹		↓V ²	
120V	270V	120V	270V	120V	270V	120V	270V
3.5	3.8	4.5	4.7	6.9	6.9	9.0	9.0

Power, 3500K (Watts Per Foot)							
↓S ¹		↓B ¹		↓H ¹		↓V ²	
120V	270V	120V	270V	120V	270V	120V	270V
3.5	3.8	4.5	4.7	6.9	6.9	9.0	9.0

Efficacy, 3500K, 80 CRI (Lumens Per Watt)							
↓S ¹		↓B ¹		↓H ¹		↓V ²	
120V	270V	120V	270V	120V	270V	120V	270V
104	97	104	99	104	103	101	101

Efficacy, 3500K, 80 CRI (Lumens Per Watt)							
↓S ¹		↓B ¹		↓H ¹		↓V ²	
120V	270V	120V	270V	120V	270V	120V	270V
100	94	100	96	100	100	98	98

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

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

Wattage is Real Power. Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%. 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), 4000K, 90 CRI
Lumen Adjustment Factor: 0.789
Total Light Output: 2836 lm x 0.789 = 2238 lm
Total Light Output per Foot: 709 lm/ft x 0.789 = 559 lm/ft.
watts/foot: 6.8 W/ft.

$$\text{Efficacy} = \frac{559 \frac{\text{lm}}{\text{ft.}}}{6.8 \frac{\text{W}}{\text{ft.}}} = 82 \text{ lm/W}$$

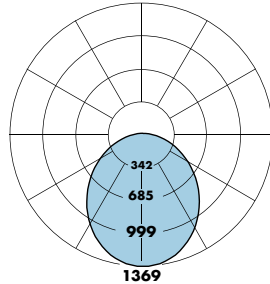
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Surface Mount

Direct Photometry - 4' Luminaire 3500K

HP2-SM-D-V-835-F
Downlight: Flush Diffuser

Efficacy: 97 lm/W
Total luminaire output: 3480 lumens (870 lm/ft)
36 watts (9.0 W/ft)
Peak Candela Value: 1369 @ 0°
CRI: 80 / CCT: 3500K



Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
↓S ¹	↓B ¹	↓H ¹	↓V ²
1398	1797	2735	3480

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
↓S ¹	↓B ¹	↓H ¹	↓V ²
350	449	684	870

Power, 3500K (Watts Per Foot)							
↓S ¹		↓B ¹		↓H ¹		↓V ²	
120V	270V	120V	270V	120V	270V	120V	270V
3.5	3.8	4.5	4.7	6.9	6.9	9.0	9.0

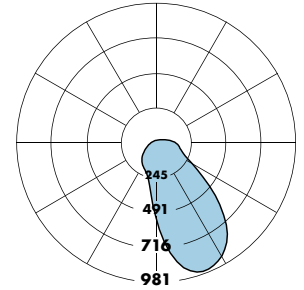
Efficacy, 3500K, 80 CRI (Lumens Per Watt)							
↓S ¹		↓B ¹		↓H ¹		↓V ²	
120V	270V	120V	270V	120V	270V	120V	270V
100	93	100	96	100	99	97	97

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

Wall Wash Photometry - 4' Luminaire 3500K

HP2-SM-WW-D-K-V-835
Downlight: With Kicker

Efficacy: 90 lm/W
Total luminaire output: 1727 lumens (432 lm/ft)
19.2 watts (4.8 W/ft)
Peak Candela Value: 981 @ 25°
CRI: 80 / CCT: 3500K



Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
↓S ¹	↓B ¹	↓H ¹	↓V ²
680	881	1349	1727

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
↓S ¹	↓B ¹	↓H ¹	↓V ²
170	220	337	432

Power, 3500K (Watts Per Foot)							
↓S ¹		↓B ¹		↓H ¹		↓V ²	
120V	270V	120V	270V	120V	270V	120V	270V
2.0	2.3	2.5	2.8	3.7	3.7	4.8	4.8

Efficacy, 3500K, 80 CRI (Lumens Per Watt)							
↓S ¹		↓B ¹		↓H ¹		↓V ²	
120V	270V	120V	270V	120V	270V	120V	270V
87	73	89	79	92	91	90	90

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

Wattage is Real Power. Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%. 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), 4000K, 90 CRI
Lumen Adjustment Factor: 0.789
Total Light Output: 2735 lm x 0.789 = 2158 lm
Total Light Output per Foot: 684 lm/ft x 0.789 = 540 lm/ft.
watts/foot: 6.9 W/ft.

$$\text{Efficacy} = \frac{540 \frac{\text{lm}}{\text{ft.}}}{6.9 \frac{\text{W}}{\text{ft.}}} = 78 \text{ lm/W}$$

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

High Performance 2" Aperture (HP-2) Surface Mount

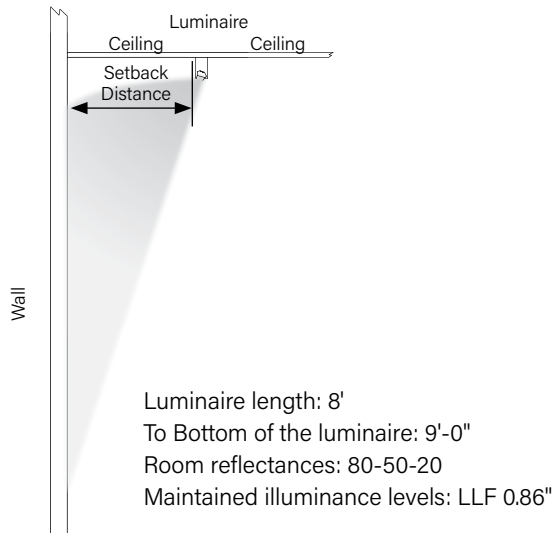
WALL WASH RECESSED - SETBACK INFO AND APPLICATION DATA

HP2-SM-WW-D-K-4'-V-835

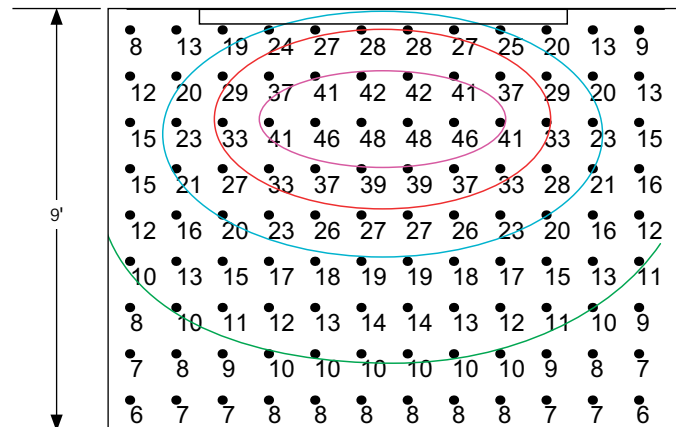
Downlight: With Kicker

Total luminaire output: 1500 lumens (375 lm/ft)
19.6 watts (4.9 W/ft)

CRI: 80 / CCT: 3500K



Setback Distance - 2'



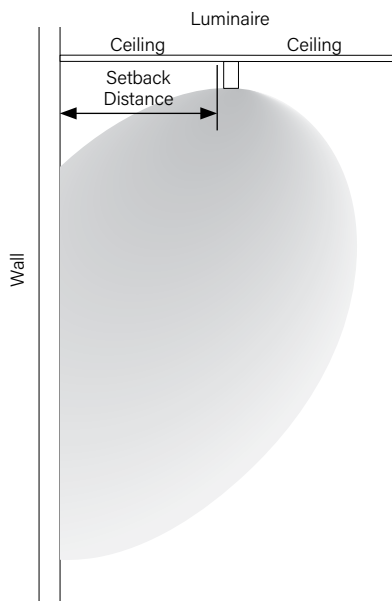
DOWNLIGHT ASYMMETRIC OPTIC - SETBACK INFO AND APPLICATION DATA

HP2-SM-D-4ft-V-835-DAO

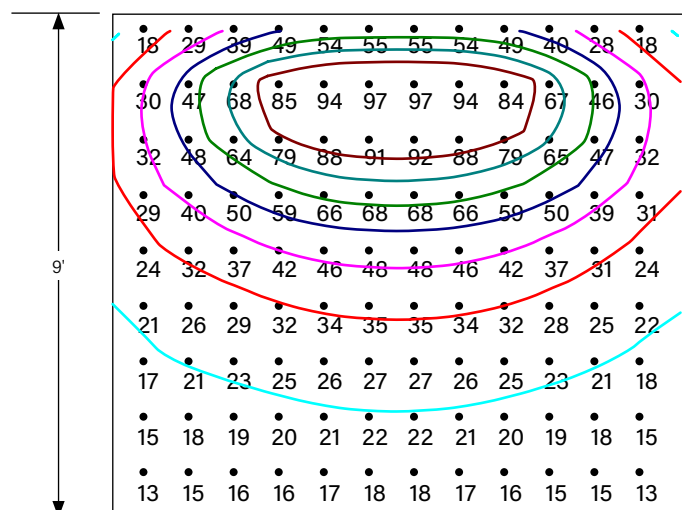
Downlight: DAO

Total luminaire output: 3742 lumens (936 lm/ft)
35.6 watts (8.9 W/ft)

CRI: 80 / CCT: 3500K



Setback Distance - 2'



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.

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 3'-12' sections. Tailored lengths available.											
Integral Battery Backup (BSL310LP)							✓		✓		✓	

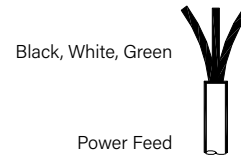
PHOTOMETRY

Apply a power adjustment factor to calculate wattage usage

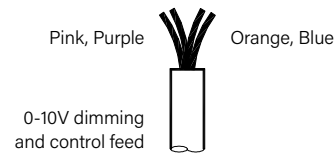
POWER	CONVERSION FACTOR
	1.1X

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

DUAL FEED DETAIL



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



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

