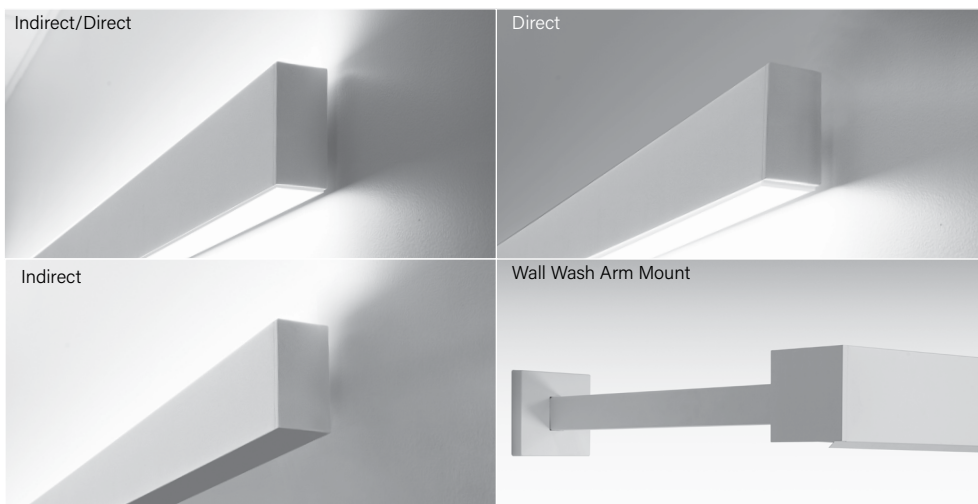


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount



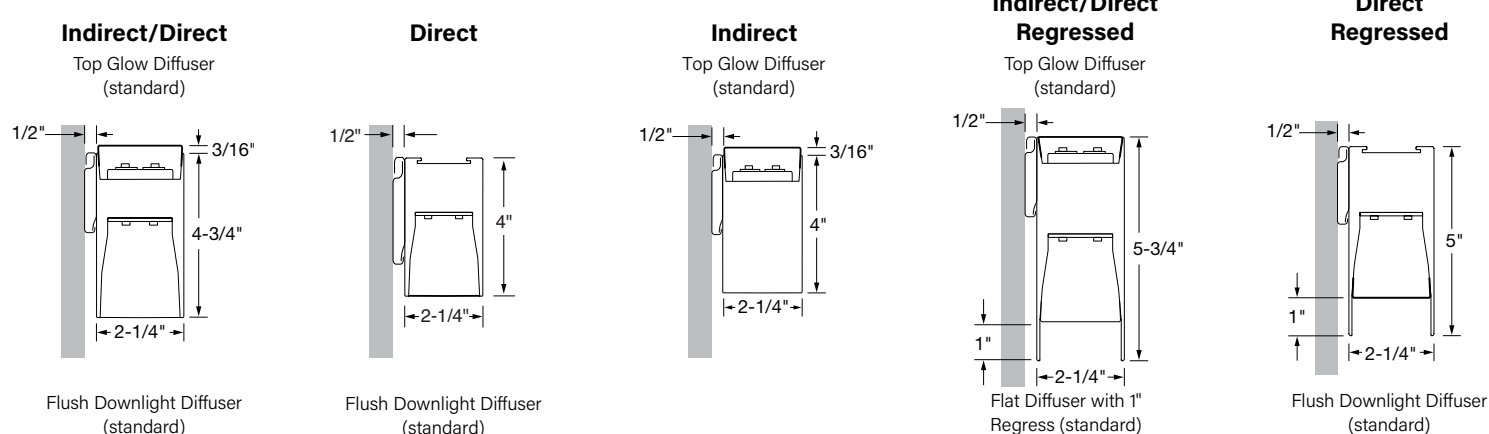
High Performance 2" Aperture is a patented, linear LED luminaire family. HP-2 delivers excellent performance using an advanced optical design and mid-power LEDs. Achieving 90% of initial light output at 100,000+ hours and backed by a 10-year performance-based warranty on all standard components.

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.

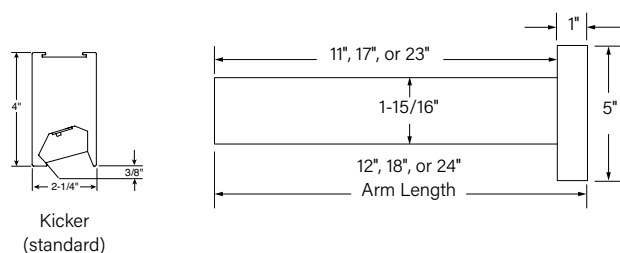
Signal White is standard finish

Note: see page 6 for all aesthetic options

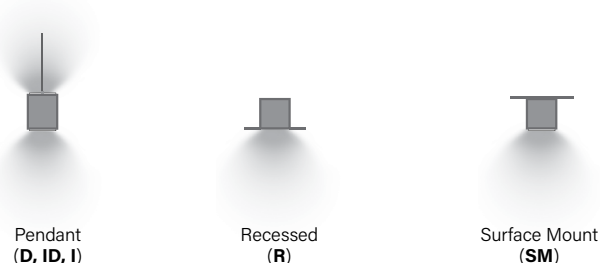
CROSS SECTIONS



Wall Wash Arm Mount



ALSO AVAILABLE IN



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Type:	Project:		
Ordering Info:			

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

BODY TYPE

OUTPUT AND LED TYPE

Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Length of Run	Uplight Output ID & I Only (Flush)	Downlight Output ID & D Only (Flush)
HP - High Performance	2	WM - Wall Mount ¹ WM RG - Wall Mount Regressed ¹ AM - Arm Mount AM RG - Arm Mount Regressed	Wall Mount D - Direct ID - Indirect/Direct I - Indirect Arm Mount D - Direct ID - Indirect/Direct I - Indirect (Not available for AM RG) WW-D - Wall Wash Direct (Not available for AM RG)	Minimum 2' section length. Increments accurate to 1/16" (±1/32"), standard. 12' maximum section length.	S - Standard (393 lm/ft) B - Boosted (494 lm/ft) H - High (747 lm/ft) V - Very High (961 lm/ft) TL - Tailored: _____lm/ft*	S - Standard (322 lm/ft) B - Boosted (405 lm/ft) H - High (612 lm/ft) V - Very High (786 lm/ft) TL - Tailored: _____lm/ft*

Lumen provided above are for Flush lens only, see pg. 13 for WW lumens. 2ft. luminaires can only have one output only, **S** or **B**. No dual circuit or separate uplight/downlight. Uplight and downlight can be specified with different outputs and dual circuit on luminaires 3ft and longer. * 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

LED CRI/CCT	Uplight	Downlight	Reflector System
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	TG - Top Glow (standard) F - Flush 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 WSO - Widespread Optic WSOTG - Widespread Optic with Top Glow	F - Flush (standard) ¹ BG - Bottom Glow ¹ DL - 1" Drop Down Lens ¹ RG-D - Flat Diffuser with 1" Regress ^{1,2} RG-WCB - White Cross Blade Baffle ^{1,2} RG-LHE - Hollowed Ellipse Louver ^{1,2} RG-LHC - Hex Louver ^{1,2} DAO-L - Downlight Asymmetric Optic Left ³ DAO-R - Downlight Asymmetric Optic Right ³ K - Kicker for Wall Wash only (standard) ⁴ FO - Fully Open for Wall Wash only	96LG - 96 Low Gloss White SW - Signal White for Wall Wash only

ELECTRICAL OPTIONS

MOUNTING OPTIONS

Voltage	Circuiting ⁵	Driver Selection		Mounting Method
120 - 120 Voltage 277 - 277 Voltage 347 - 347 Voltage	SC - Single Circuit* One single circuit in a run DC - Dual Circuit* ⁶ Independent control of up and down separately in an I/D style fixture 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)	0-10V Driver Options FC-10% - 0-10V 10% (standard) FC-1% - 0-10V 1% OTI-10% - EldoLED OTi, 0-10V 10% ⁷ OTI-1% - EldoLED OTi, 0-10V 1% ⁷ ELD-10V-0% - EldoLED SOLOdrive, 0-10V 0.1% 10V-TW-10% - EldoLED OTi, 0-10V 10% (Tunable White) ⁷ 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 FIN-DMX - Finelite DMX 1% (Tunable White - FineTune Controls Only) ⁸ ELD-DMX - EldoLED POWERdrive, 0.1% ELD-DMX-TW - EldoLED POWERdrive, 0.1% (Tunable White) Lutron Driver Options LUT-ES1 - Lutron, Ecosystem 1% LUT-TW - Lutron T-Series, EcoSystem 0.1% (Tunable White) See Page 3 for additional driver options and details	MB - Mounting Bracket ⁹ AM12 - 12" ¹⁰ AM18 - 18" ¹⁰ AM24 - 24" ¹⁰

OTHER OPTIONS

Endcap Style	Finish	Emergency Style (Optional) See page 5 Backup Battery table	Integrated Sensor (Optional) ¹⁴	Special Options (Optional)
FE - Flat Endcap (standard) DE - 1" Drop Endcap ¹¹ OE - Open Endcap ¹²	SW - Signal White (standard) FB - Finelite Black SA - Satin Aluminum #### - RAL Color Code ¹³	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 GTD - Generator Transfer Device ALCR - Automatic Load Control Relay	OBO - Occupancy ¹ (Not available with Indirect) OBD - Daylight ¹ W601 - Wattstopper Wireless Sensor ¹⁵ OBE - Enlighted ^{1,16} REE - Remote Enlighted ¹⁷ CLM - Encelium Sensor RE7 - nLight Air Sensor AOCC-W - Lutron Athena Sensor (Device Color White) ¹⁸ AOCC-B - Lutron Athena Sensor (Device Color Black) ¹⁸ ARF-W - Lutron Athena RF (Device Color White) ¹⁸ ARF-B - Lutron Athena RF (Device Color Black) ¹⁸ VOCC - Lutron Vive Wireless Sensor (VDO) ¹⁹ VRF - Lutron Vive Radio Only ¹⁹	RLA - Red List Approved RLD - Red List Declared

¹ Not available for Wall Wash

² D & ID Regressed only

³ Not available with regressed

⁴ Kicker standard in Signal White. Customer Custom color kickers have a surcharge

⁵ Contact factory for switching options

⁶ Indirect/Direct only

⁷ Add DTO to gain "Dim to Off" functionality (FC-10% - DTO, FC-1% - DTO)

⁸ B & V outputs only

⁹ Wall Mount only

¹⁰ Arm Mount only

¹¹ 1" Drop Down Lens downlight only

¹² Available with Hollowed Ellipse Louver (LHE) only

¹³ 20 business days lead time for color

¹⁴ Minimum fixture length: Direct and Indirect with a sensor is 3ft. Indirect/Direct with a sensor is 4ft.

¹⁵ 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.

¹⁶ Enlighted components installed by Finelite, provided by others.

¹⁷ Enlighted for Wall Wash fixtures. Enlighted Control Unit & Sensor Cable installed for Remote mounting sensor.

¹⁸ 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.

¹⁹ Lutron Vive Integrated Sensors require a DALI driver. Not available with Indirect.

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High Performance 2" Aperture (HP-2) Wall Mount and Arm 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

FIN-DMX	Finelite, DMX 1% Dimming, Tunable White - FineTUNE Controls Only (Linear)
ELD-DMX	EldoLED POWERdrive, DMX 0.1% Dimming (8 Bit, 1CH) (Linear)
ELD-DMX-16	EldoLED POWERdrive, DMX 0.1% Dimming (16 Bit, 2CH) (Linear)
ELD-DMX-TW	EldoLED POWERdrive, DMX 0.1% Dimming, 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 T-Series, EcoSystem 0.1% Dimming, Tunable White

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Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

SPECIFICATIONS

BODY TYPE

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

LENGTHS: Any length, 2' minimum, in increments down to 1/16th" ($\pm 1/32"$). 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 Baffle³. Corners not available with Wall Wash (**WW-D**), Hollowed Ellipse Louver (**LHE**), Hex Louver (**LHC**), 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**). 2' can only have one driver. 2' cannot have different lumen packages for uplight and downlight, cannot be dual circuit, and cannot be H or V output. 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

UPLIGHT OPTION⁴: Patented Top Glow frost white diffuser standard. 12' maximum diffuser length. 73% transmissive, 99% diffusion. Internal secondary diffusers at corners ensure visually seamless, uniform, continuous illumination. Optional: 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 OPTION⁵: 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**)⁶, Hollowed Ellipse Louver (**LHE**)⁶, Hex Louver (**LHC**)⁶, Downlight Asymmetric Optic (**DAO**)⁷, and Regressed downlight diffusers (**RG**). 1" Drop Down Lens made of highly efficient acrylic. Available with a solid endcap or an endcap with a diffuse filler to continue the luminous aesthetic. Downlight Asymmetric Optic is an extruded lens with a subtle ribbed appearance providing an 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: Wall Mount: Die-formed 20-gauge cold-rolled steel reflectors finished in 96LG High Reflectance white power coat paint. **Arm Mount:** The standard Signal White (**SW**) Kicker (**K**) reflector delivers light high on the vertical surface. The Kicker reflector can be easily removed for open distribution (**FO**).

ELECTRICAL FEATURES

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 luminaire current exceeds 5 amps. DMX and power feed at same location (standard). DMX feeds cannot be cut or spliced. DMX feeds should be ordered based on fixed lengths.

STATIC WHITE DRIVER: Replaceable 120V, 277V, and 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 (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, and 347V.

- **Power factor:** ≥ 0.90
- **Total Harmonic Distortion (THD):** <20%
- **Dimming Range:** 100%-10%
- **Expected driver lifetime:** 100,000 hours
- **FineTune DMX:** 1%

LUTRON TUNABLE WHITE DRIVER OPTION: LUT-TW (1% T-Series 2-Channel Digital Tunable White (PSQ Series)).

MOUNTING OPTIONS

HANGING HARDWARE: Wall Mount: Luminaire hangs securely from mounting brackets fastened directly to the wall for easy installation. Luminaire stands 1/2" off the wall. The mounting bracket is concealed behind the luminaire. **Arm Mount:** bracket mounts directly to wall j-box, extends luminaire 12", 18", or 24" from wall. Other lengths available. Consult factory.

¹ Not available with Wall Wash

² Indirect/Direct and Direct only

³ White Cross Blade (WCB) baffles not available with custom angles. Available in 90 degrees only

⁴ Wall Mount Indirect/Direct, Wall Mount Regressed Indirect/Direct, and Wall Mount Indirect only

⁵ Wall Mount Indirect/Direct, Wall Mount Regressed Indirect/Direct, Wall Mount Direct, and Wall Mount Regressed Direct only

⁶ Wall Mount Regressed Indirect/Direct & Wall Mount Regressed Direct only

⁷ Not available with Regressed

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High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

SPECIFICATIONS

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

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

OTHER OPTIONS

ENDCAPS: Flat diecast aluminum endcaps (**FE**) add 1/4" to each end of luminaire. 1" Drop Down Lens Endcap (**DE**)⁸ includes diffuse element to continue luminance of drop lens. Open Endcap (**OE**) is for use with the Hollowed Ellipse Louver (**LHE**); 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. Factory choice low-profile backup battery available. 8' minimum luminaire length for low profile battery pack.

Backup Battery

	Legrand 18W	Legrand 10W/ Bodine BSL310LP
HP2-WM-D		
Min. Housing Length	8' [*]	4' [*] , ^{**}
EM Lumen Output	1608	956
EM Section Illuminated	2'	2' or 4'
HP2-WM-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

^{**} Exception: 5' not available, 6'+ okay

Backup Battery

	Legrand 18W	Legrand 10W/ Bodine BSL310LP
HP2-WM-ID		
Min. Housing Length	12'	8'
EM Lumen Output	1608	956
EM Section Illuminated	2'	2' or 4'
HP2-WM-I		
Min. Housing Length	8' [*]	4' [*]
EM Lumen Output	1874	956
EM Section Illuminated	2'	2' or 4'

^{*} Minimum fixture housing length for battery pack approved without sensor

Bodine GTD and Legrand ALCR Min. Length	
Configuration	Min Length
Generator	D-4'; I-4'; ID-6'
Generator + OCC	D-6'; I-6'; ID-8'
Daylight	D-4'; I-4'; ID-6'
Generator + Daylight	D-6'; I-6'; ID-8'

Indirect/Direct: backup batteries deliver 1608 lumens. 12' minimum luminaire length. 2' illuminated (downlight standard).

- **Direct:** backup batteries deliver 1608 lumens. 8' minimum luminaire length. 2' illuminated.
- **Indirect:** backup batteries deliver 1874 lumens. 8' minimum luminaire length. 2' illuminated.
- **Wall Wash:** backup batteries deliver 1500 lumens. 8' minimum luminaire length. 2' illuminated.

Tunable White ELECTRICAL OPTIONS⁹:

- **TW Driver Options 0-10V:** EM/GEN, GTD or Battery Back up
- **FineTune DMX:** EM/GEN or Battery Back up
- **DMX:** Battery Back up
- **DALI:** EM/GEN, GTD or Battery Back up
- **LUTRON:** EM/GEN, GTD or Battery Back up

INTEGRATED SENSORS: Integrated PIR (Passive Infrared) Occupancy (**OBO**) or Daylight Sensors (**OBD**) available with Flush and Bottom Glow downlight diffusers. PIR sensors not recommended for stairwell applications. Refer to Occupancy Sensor & Daylight Sensor tech sheet and the Embedded Intelligence landing page for more information and additional sensor options. Minimum fixture length: Direct and Indirect with a sensor is 3ft. Indirect/Direct with a sensor is 4ft..

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 colors¹⁰ 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.

WEIGHT¹¹: ID - 2.9 lb/ft; D - 2.3 lb/ft; I - 2.3 lb/ft; AM - 2.9 lb/ft (luminaire only)

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

⁸ Available in Indirect/Direct Regressed & Direct Regressed only

⁹ Consult Finelite for Generator Transfer Device and Battery Back up fit

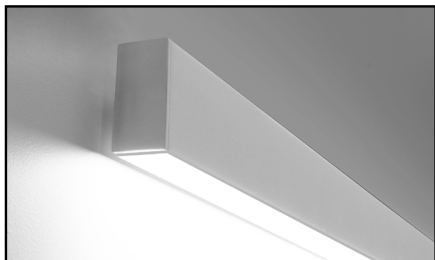
¹⁰ 20 business days lead time for color

¹¹ Excludes Battery Back up and Generator Transfer Device weight

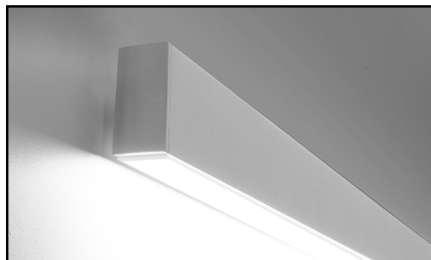
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High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

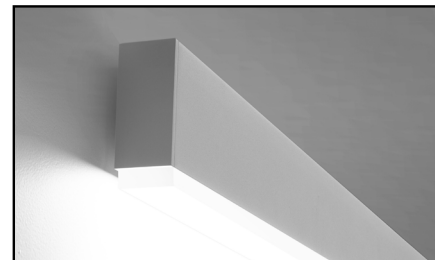
AESTHETIC OPTIONS



Flush Diffuser (**F**)



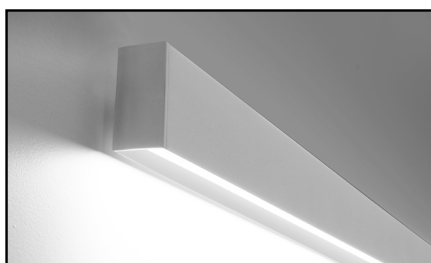
Bottom Glow Diffuser (**BG**)



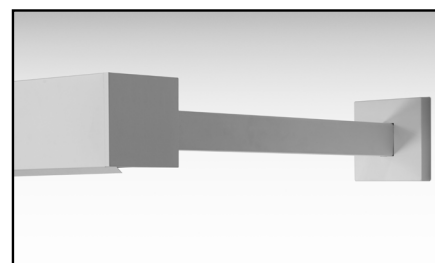
1" Drop Down Lens (**DL**)



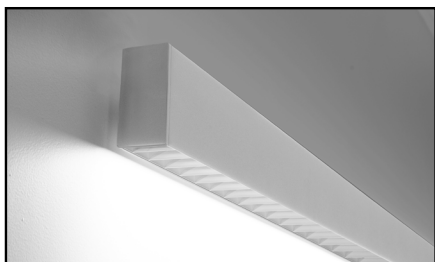
Downlight Asymmetric Optic (**DAO**)¹
Externally flush



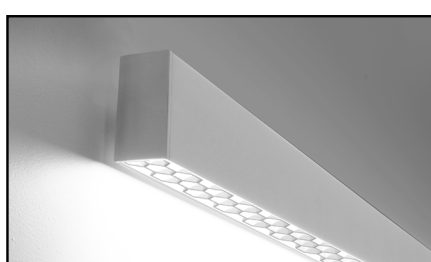
Flat Diffuser with 1" Regressed (**RG-D**)



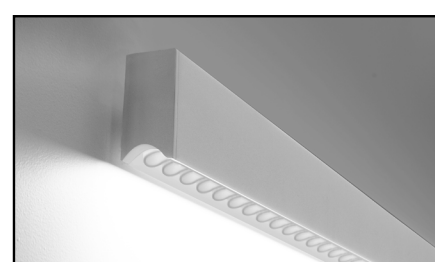
Kicker (**K**) - Wall Wash Arm Mount only



White Cross Blade Baffle² (**RG-WCB**)



Hex Louver² (**RG-LHC**)



Hollowed Ellipse Louver² (**RG-LHE**)

¹ With a subtle ribbed appearance providing an asymmetric distribution

² Regressed only

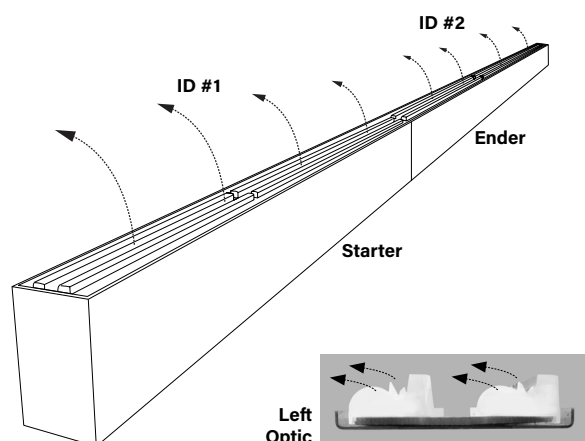
Submitted by:		Date:
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High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

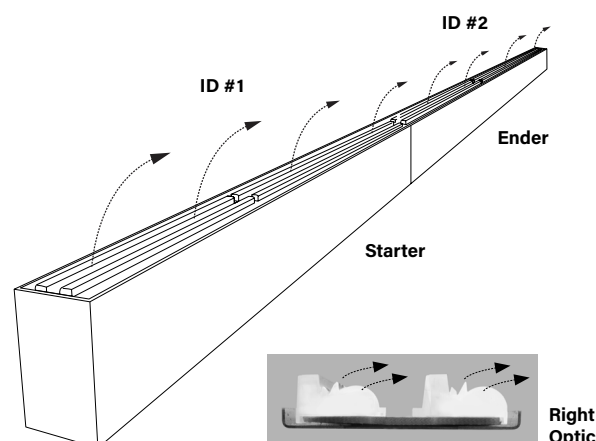
ASYMMETRIC OPTIONS

Use this tool to understand how to specify Asymmetric for your project. The diagrams below show a linear run from power feed to ender. Specify ASY-L distributes light to the left or ASY-R distributes light to the right.

Asymmetric Left Optic (ASY-L)



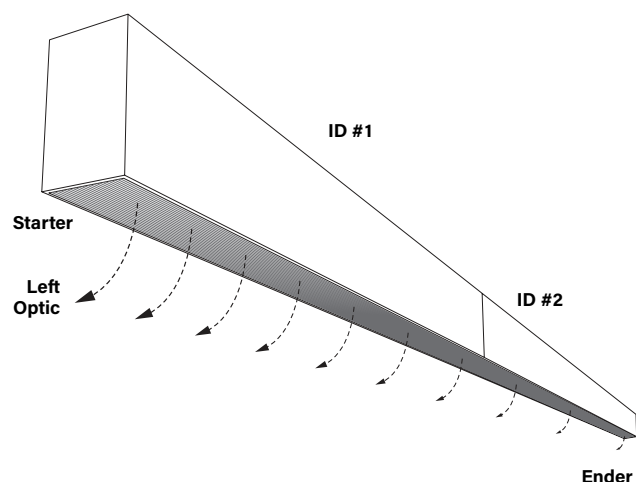
Asymmetric Right Optic (ASY-R)



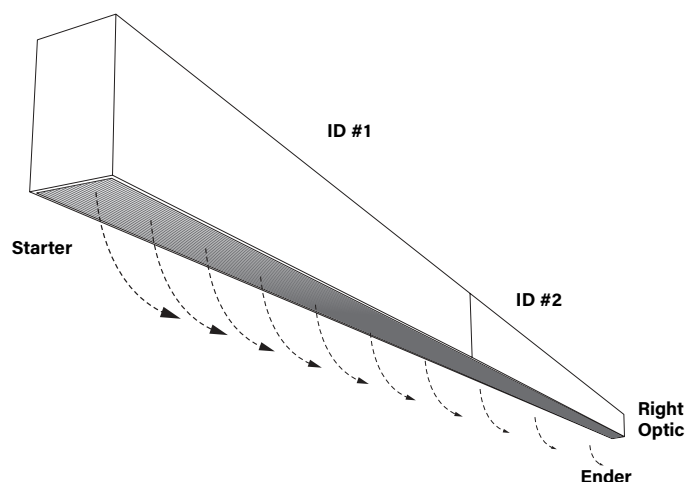
DOWNLIGHT ASYMMETRIC OPTIONS

Use this tool to understand how to specify Downlight Asymmetric for your project. The diagrams below show a linear run from power feed to ender. Specify DAO-L distributes light to the left or DAO-R distributes light to the right.

Downlight Asymmetric Optic Left (DAO-L)



Downlight Asymmetric Optic Right (DAO-R)



PREINSTALLED LABEL



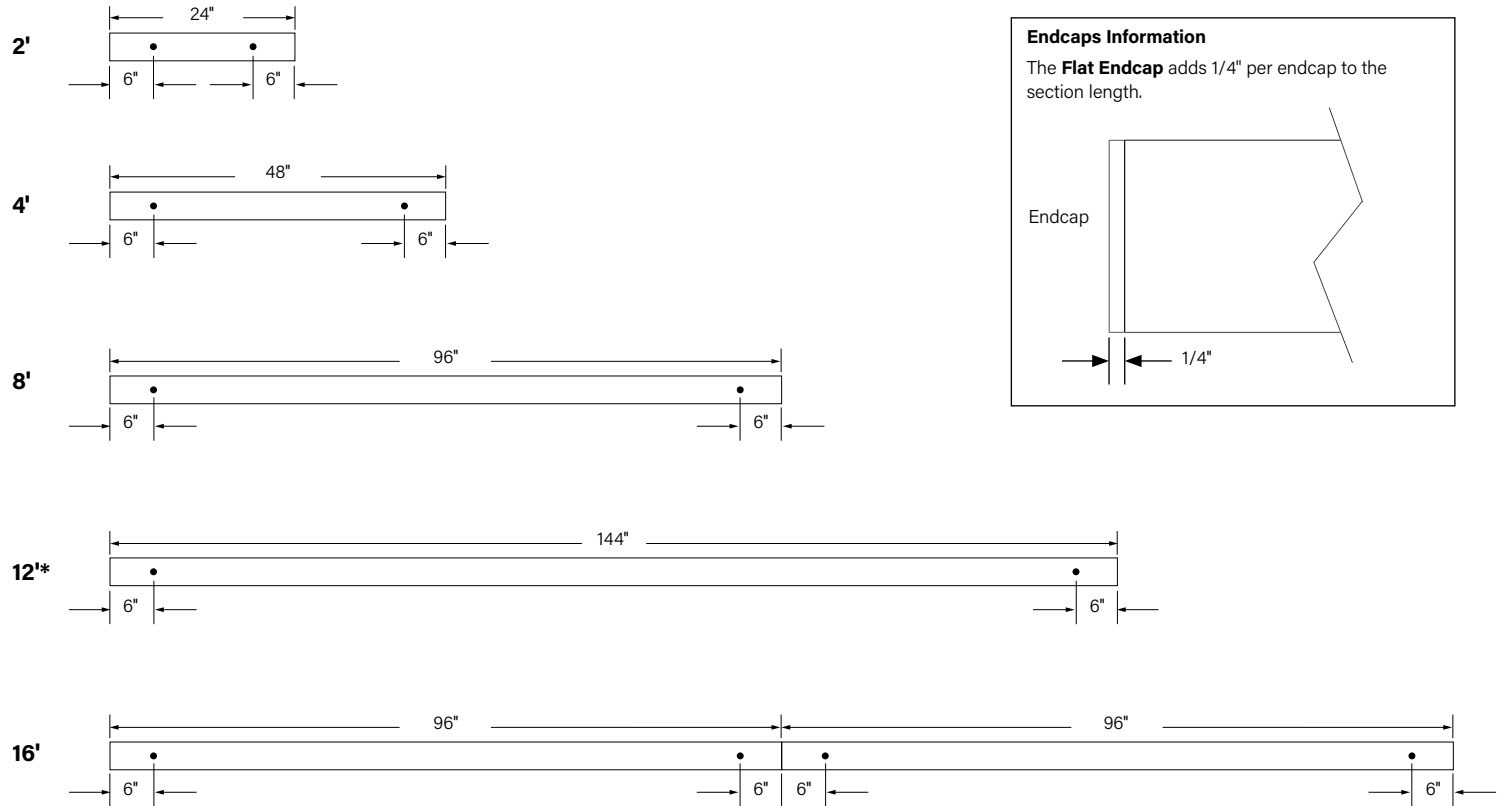
For DAO, Preinstalled label on diffuser shows direction of light. Remove after installation.

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

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

WALL WASH ARM MOUNT - Run Lengths & Mounting Location Examples

Tailored Lengths Available Down To 1/16" (±1/32")



• = Bracket Location
* = 12' Maximum spacing for two Arm Mount supports

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

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

Indirect/Direct Photometry - 4' Luminaire 3500K

HP2-P-ID-4'-V-V-835-ASY-R-DAO-R

Uplight: Asymmetric Right Optic

Downlight: Downlight Asymmetric Optic - Right

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

Efficacy: 112 lm/W

Uplight: 4301 lumens (1075 lumens/foot)

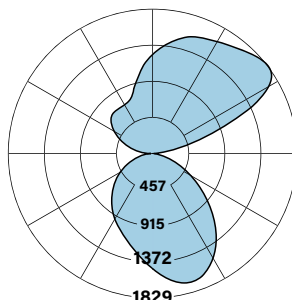
Downlight: 3742 lumens (936 lumens/foot)

Total luminaire output: 8043 lumens (2011 lm/ft)
72 watts (18 W/ft)

Peak Candela Value: 1829 @ 127.5°

CRI: 80 / CCT: 3500K

ITL LM79 Report REP-051921-01



HP2-P-ID-V-V-835-F-F

Uplight: Flush Diffuser

Downlight: Flush Diffuser

Distribution: 55% Up (V) / 45% Down (V)

Efficacy: 95 lm/W

Uplight: 3813 lumens (953 lumens/foot)

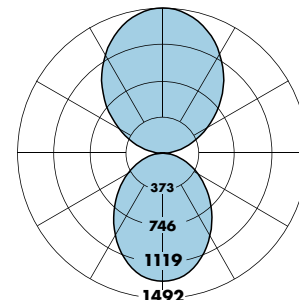
Downlight: 3175 lumens (794 lumens/foot)

Total luminaire output: 6988 lumens (1747 lm/ft)
73.8 watts (18.5 W/ft)

Peak Candela Value: 1492 @ 180°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85132



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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	3292 [153% 47%↓]	3745 [159% 41%↓]	4877 [169% 31%↓]	5833 [174% 26%↓]
↓B ¹	3686 [148% 52%↓]	4139 [153% 47%↓]	5271 [163% 36%↓]	6227 [169% 31%↓]
↓H ¹	4671 [138% 62%↓]	5124 [143% 57%↓]	6256 [154% 46%↓]	7211 [160% 40%↓]
↓V ²	5503 [132% 68%↓]	5955 [137% 63%↓]	7087 [147% 53%↓]	8043 [153% 47%↓]

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	823	936	1219	1458
↓B ¹	922	1035	1318	1557
↓H ¹	1168	1281	1564	1803
↓V ²	1376	1489	1772	2011

Power, 3500K (Watts Per Foot)

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	7.0	8.0	10.4	12.5
↓B ¹	8.0	9.0	11.4	13.5
↓H ¹	10.4	11.4	13.8	15.9
↓V ²	12.5	13.5	15.9	18.0

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	117	117	117	116
↓B ¹	115	116	116	116
↓H ¹	112	113	113	113
↓V ²	110	111	111	112

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: 89456, 94139

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	2861 (155% 45%↓)	3262 (160% 40%↓)	4265 (170% 30%↓)	5113 (175% 25%↓)
↓B ¹	3195 (149% 51%↓)	3596 (155% 45%↓)	4600 (165% 35%↓)	5447 (170% 30%↓)
↓H ¹	4030 (139% 61%↓)	4432 (144% 56%↓)	5435 (155% 45%↓)	6282 (161% 39%↓)
↓V ²	4736 (133% 67%↓)	5137 (138% 62%↓)	6141 (148% 52%↓)	6988 (155% 45%↓)

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	715	815	1066	1278
↓B ¹	799	899	1150	1362
↓H ¹	1008	1108	1359	1571
↓V ²	1184	1284	1535	1747

Power, 3500K (Watts Per Foot)

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	7.2	8.2	10.7	12.8
↓B ¹	8.2	9.2	11.7	13.8
↓H ¹	10.7	11.7	14.2	16.3
↓V ²	12.8	13.8	16.3	18.5

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	99	99	100	100
↓B ¹	97	98	99	99
↓H ¹	94	95	96	96
↓V ²	92	93	94	95

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: 89132

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: 4265 lm x 0.789 = 3365 lm

Total Light Output per Foot: 1066 lm/ft x 0.789 = 841 lm/ft.
watts/foot: 10.5 W/ft.

$$\text{Efficacy} = \frac{841 \frac{\text{lm}}{\text{ft.}}}{10.7 \frac{\text{W}}{\text{ft.}}} = 79 \text{ lm/W}$$

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

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

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

Indirect/Direct Photometry - 4' Luminaire 3500K

HP2-P RG-ID-V-V-835-F

Uplight: Flush Diffuser / **Downlight:** Regressed Diffuser

Distribution: 59% Up (V) / 41% Down (V)

Efficacy: 99 lm/W

Uplight: 4304 lumens (1076 lumens/foot)

Downlight: 2928 lumens (732 lumens/foot)

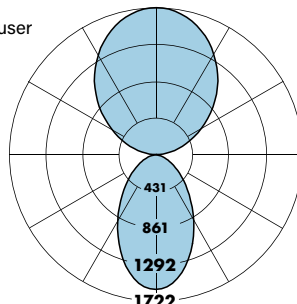
Total luminaire output: 7232 lumens (1808 lm/ft)

73.2 watts (18.3 W/ft)

Peak Candela Value: 1722 @ 180°

CRI: 80 / CCT: 3500K

ITL LM79 Report 90352



HP2-P-ID-V-V-835-WSO-F

Uplight: Widespread Optic / **Downlight:** Fluse Diffuser

Distribution: 55% Up (V) / 45% Down (V)

Efficacy: 101 lm/W

Uplight: 4018 lumens (1005 lumens/foot)

Downlight: 3312 lumens (828 lumens/foot)

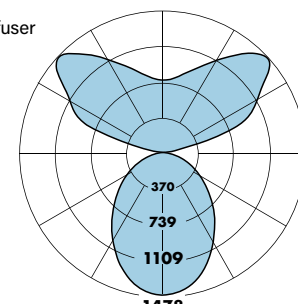
Total luminaire output: 7330 lumens (1833 lm/ft)

74.5 watts (18.6 W/ft)

Peak Candela Value: 1461 @ 0°

CRI: 80 / CCT: 3500K

ITL LM79 Report 89456



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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	2960 (160% 40%↓)	3414 (165% 35%↓)	4546 (174% 26%↓)	5503 (178% 22%↓)
↓B ¹	3269 (154% 46%↓)	3722 (160% 40%↓)	4854 (169% 31%↓)	5811 (174% 26%↓)
↓H ¹	4039 (144% 56%↓)	4492 (149% 51%↓)	5625 (160% 40%↓)	6581 (165% 35%↓)
↓V ²	4690 (138% 62%↓)	5143 (143% 57%↓)	6276 (153% 47%↓)	7232 (159% 41%↓)

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	740	853	1137	1376
↓B ¹	817	930	1214	1453
↓H ¹	1123	1406	1645	1645
↓V ²	1172	1286	1569	1808

Power, 3500K (Watts Per Foot)

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	7.2	8.1	10.6	12.7
↓B ¹	8.1	9.1	11.6	13.7
↓H ¹	10.6	11.6	14.0	16.2
↓V ²	12.7	13.7	16.2	18.3

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	103	105	107	108
↓B ¹	100	102	105	106
↓H ¹	95	97	100	102
↓V ²	92	94	97	99

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: 90352

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	3001 (155% 45%↓)	3424 (160% 40%↓)	4481 (170% 30%↓)	5374 (175% 25%↓)
↓B ¹	3349 (149% 51%↓)	3772 (155% 45%↓)	4830 (165% 35%↓)	5722 (170% 30%↓)
↓H ¹	4221 (139% 61%↓)	4644 (144% 56%↓)	5701 (155% 45%↓)	6594 (161% 39%↓)
↓V ²	4957 (133% 67%↓)	5380 (138% 62%↓)	6437 (148% 52%↓)	7330 (155% 45%↓)

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	750	856	1120	1343
↓B ¹	837	943	1207	1431
↓H ¹	1055	1161	1425	1649
↓V ²	1239	1345	1609	1833

Power, 3500K (Watts Per Foot)

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	7.1	8.1	10.5	12.6
↓B ¹	8.1	9.0	11.5	13.6
↓H ¹	10.5	11.5	13.9	16.0
↓V ²	12.6	13.6	16.0	18.1

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

	↑S ¹	↑B ¹	↑H ¹	↑V ²
↓S ¹	106	106	107	107
↓B ¹	104	105	105	105
↓H ¹	100	101	102	103
↓V ²	98	99	100	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: 89456

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: 4265 lm x 0.789 = 3365 lm

Total Light Output per Foot: 1066 lm/ft x 0.789 = 841 lm/ft.
watts/foot: 10.7 W/ft.

$$\text{Efficacy} = \frac{841 \frac{\text{lm}}{\text{ft.}}}{10.57 \frac{\text{W}}{\text{ft.}}} = 78.6 \text{ lm/W}$$

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

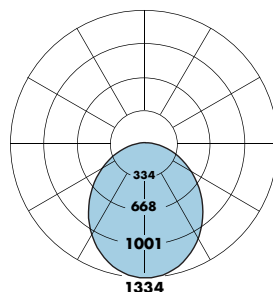
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

Direct Photometry - 4' Luminaire 3500K

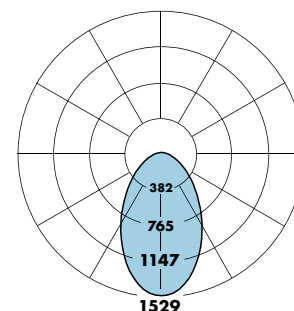
HP2-P-D-V-835-F
Downlight: Flush Diffuser

Efficacy: 87 lm/W
Total luminaire output: 3215 lumens (804 lm/ft)
36.9 watts (9.2 W/ft)
Peak Candela Value: 1334 @ 0°
CRI: 80 / CCT: 3500K
ITL LM79 Report 85136



HP2-P RG-D-V-835-RG
Downlight: Regressed Diffuser

Efficacy: 79 lm/W
Total luminaire output: 2887 lumens (722 lm/ft)
36.7 watts (9.2 W/ft)
Peak Candela Value: 1529 @ 0°
CRI: 80 / CCT: 3500K
ITL LM79 Report 90350



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

S ¹	B ¹	H ¹	V ²
1316	1655	2501	3215

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

S ¹	B ¹	H ¹	V ²
329	414	625	804

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
3.6	4.6	7.1	9.2

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

S ¹	B ¹	H ¹	V ²
91	90	88	87

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: 85136

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

S ¹	B ¹	H ¹	V ²
1182	1486	2245	2887

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

S ¹	B ¹	H ¹	V ²
295	371	561	722

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
3.6	4.6	7.0	9.2

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

S ¹	B ¹	H ¹	V ²
82	81	80	79

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: 90350

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: 2546 lm x 0.789 = 2009 lm
Total Light Output per Foot: 636 lm/ft x 0.789 = 502 lm/ft.
watts/foot: 6.8 W/ft.

$$\text{Efficacy} = \frac{502 \frac{\text{lm}}{\text{ft.}}}{6.8 \frac{\text{W}}{\text{ft.}}} = 74 \text{ lm/W}$$

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

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

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

Indirect Photometry - 4' Luminaire 3500K

HP2-P-I-V-835-F

Uplight: Flush Diffuser

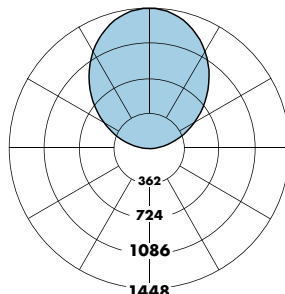
Efficacy: 102 lm/W

Total luminaire output: 3749 lumens (937 lm/ft)
36.7 watts (9.2 W/ft)

Peak Candela Value: 1448 @ 180°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85134



HP2-AM-WW-D-K-V-835

Uplight: Flush Diffuser

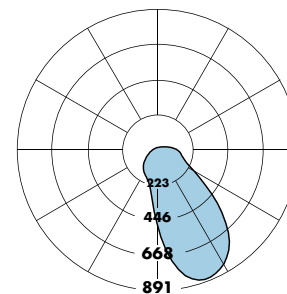
Efficacy: 77 lm/W

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

Peak Candela Value: 882 @ 25°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85137



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

S ¹	B ¹	H ¹	V ²
1535	1929	2916	3749

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

S ¹	B ¹	H ¹	V ²
384	482	729	937

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
3.6	4.6	7.0	9.2

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

S ¹	B ¹	H ¹	V ²
107	106	104	102

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: 85134

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

S ¹	B ¹	H ¹	V ²
614	772	1167	1500

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

S ¹	B ¹	H ¹	V ²
154	193	292	375

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
2.0	2.5	3.8	4.9

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

S ¹	B ¹	H ¹	V ²
76	77	77	77

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: 85137

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: 2245 lm x 0.789 = 1771 lm
Total Light Output per Foot: 561 lm/ft x 0.789 = 443 lm/ft.
watts/foot: 7.0 W/ft.

$$\text{Efficacy} = \frac{443 \frac{\text{lm}}{\text{ft.}}}{7.0 \frac{\text{W}}{\text{ft.}}} = 63 \text{ lm/W}$$

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

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

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

Wall Wash Direct - Setback Info and Application Data

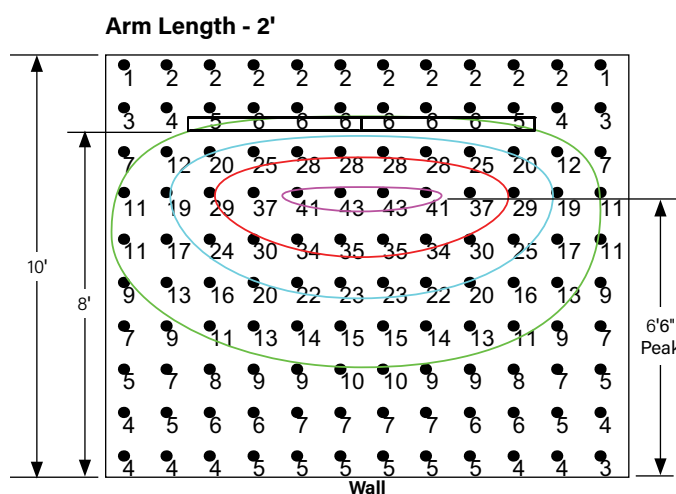
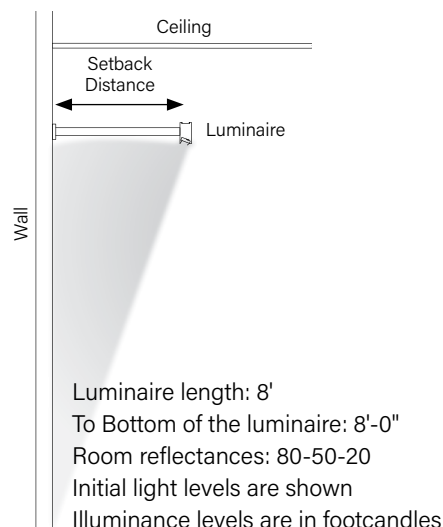
HP2-AM-WW-D-K-4'-V-835

Downlight: With Kicker

Total luminaire output: 935 lumens (234 lm/ft)

10.2 watts (2.6 W/ft)

CRI: 80 / CCT: 3500K



Downlight Asymmetric Optic - Setback Info and Application Data

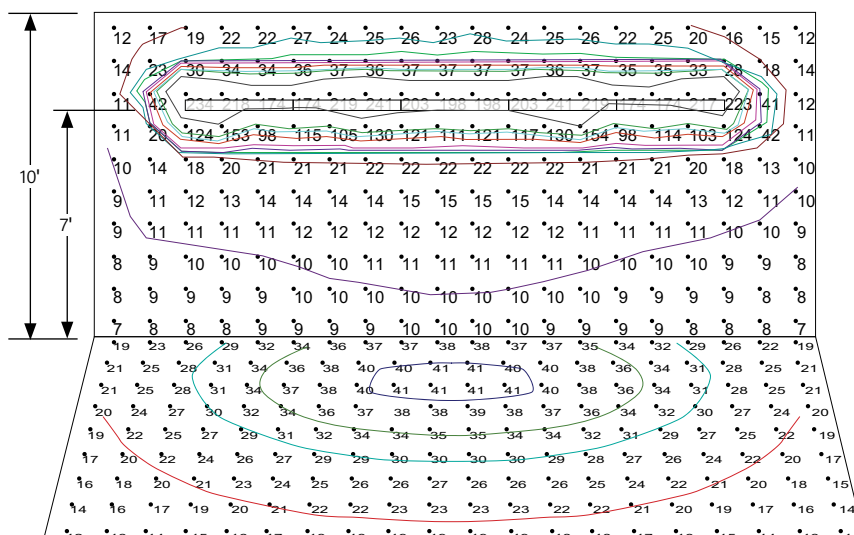
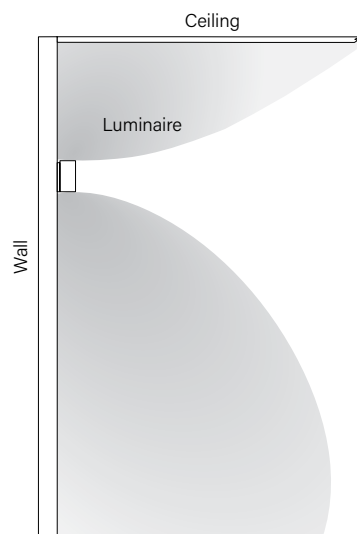
HP2-AM-D-4ft-V-835-DAO

Downlight: DAO

Total luminaire output: 3742 lumens (936 lm/ft)

35.6 watts (8.9 W/ft)

CRI: 80 / CCT: 3500K



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

0-10V Tunable White

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

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

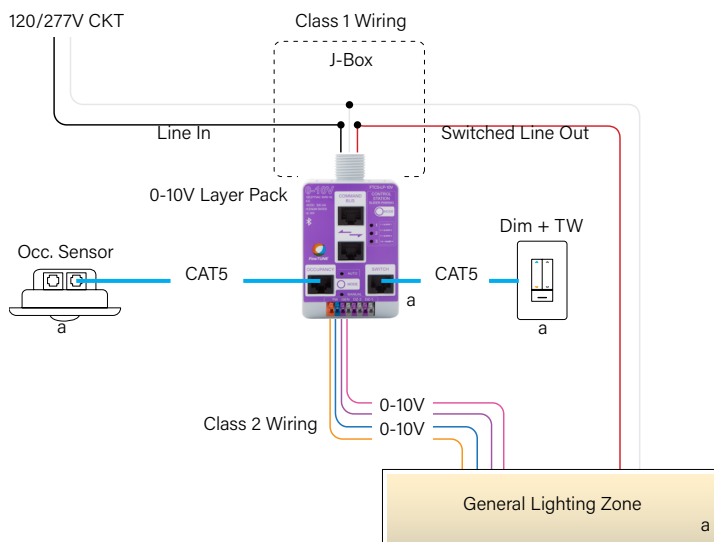
POWER	CONVERSION FACTOR
	1.1X

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

LUMINAIRE FAMILY MODIFICATIONS/RESTRICTIONS

	Section Lengths										
Wall Mount 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)							✓		✓		✓
Wall Mount 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. Consult factory for tailored lighting options.										
Output S,B,H,V Dual Circuit			✓				✓				✓
Integral Battery Not Available	Remote Battery backup solution available. Consult factory for tailored lighting options.										

WIRING DIAGRAM - DIMMABLE TO 10%



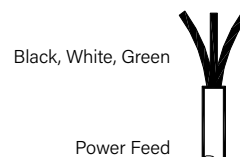
Luminaire Wiring

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

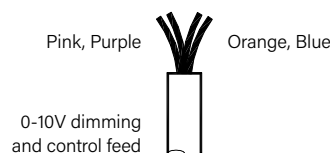
Note:

Load or Dim to Off options available.

DUAL FEED DETAIL



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



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

