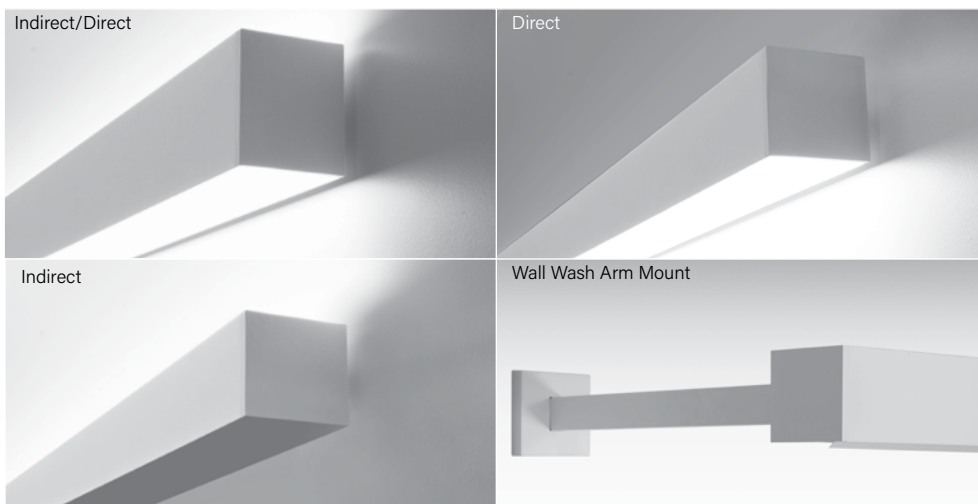


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

# High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount



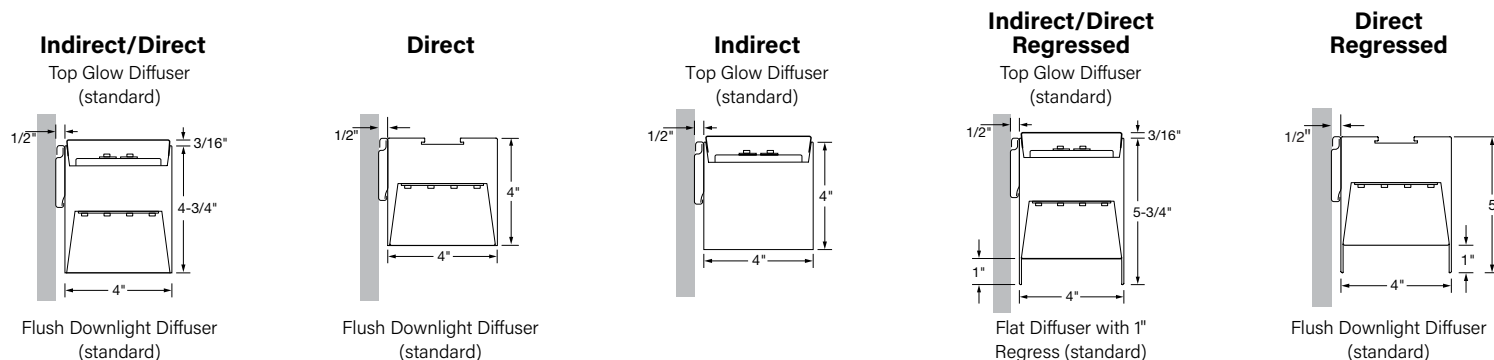
High Performance 4" Aperture Wall Mount family includes Indirect/Direct, Direct, Indirect, and Wall Wash Arm Mount luminaires. HP-4 delivers excellent performance using an advanced optical design and mid-power LEDs to achieve 90% of initial light output at 100,000+ hours.

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

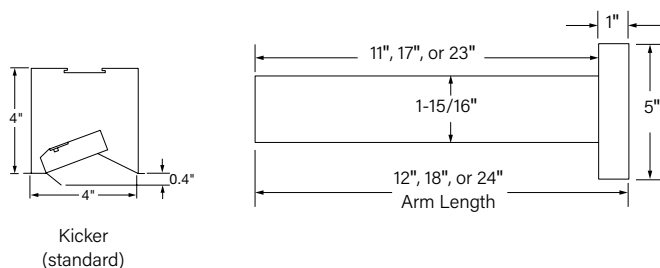
Signal White is standard finish

**Note:** see page 6 for all aesthetic options

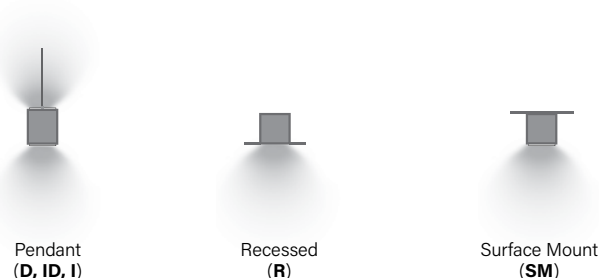
## CROSS SECTIONS



## Wall Wash Arm Mount



## ALSO AVAILABLE IN



**Declare.**



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

# High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

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

## 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	4	WM - Wall Mount <sup>1</sup> WM RG - Wall Mount Regressed <sup>1</sup> 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 (428 lm/ft) B - Boosted (538 lm/ft) H - High (813 lm/ft) V - Very High (1045 lm/ft) TL - Tailored: _____lm/ft*	S - Standard (379 lm/ft) B - Boosted (477 lm/ft) H - High (721 lm/ft) V - Very High (927 lm/ft) TL - Tailored: _____lm/ft*

Lumen provided above are for Flush lens only, see pg. 15 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.

## MECHANICAL/OPTICAL OPTIONS

## ELECTRICAL OPTIONS

LED CRI/CCT	Uplight Optics ID & I Only	Downlight Optics ID & D Only	Reflector System	Voltage
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) <sup>1</sup> BG - Bottom Glow <sup>1</sup> DAO-L - Downlight Asymmetric Optic Left <sup>1</sup> DAO-R - Downlight Asymmetric Optic Right <sup>1</sup> DL - 1" Drop Down Lens <sup>1</sup> RG-D - Flat Diffuser with 1" Regress <sup>1,2</sup> RG-WCB - White Cross Blade Baffle <sup>1,2</sup> RG-LHE - Hollowed Ellipse Louver <sup>1,2</sup> RG-LHC - Hex Louver <sup>1,2</sup> K - Kicker for Wall Wash only (standard) <sup>3</sup> FO - Fully Open for Wall Wash only	96LG - 96 Low Gloss White SSA - Semi-Specular Aluminum for Wall Wash only	120 - 120 Voltage 277 - 277 Voltage 347 - 347 Voltage (OTI only)

## ELECTRICAL OPTIONS

## MOUNTING OPTIONS

Circuiting <sup>4</sup>	Driver Selection	Mounting Method
SC - Single Circuit* One single circuit in a run DC - Dual Circuit* <sup>5</sup> 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)	<b>0-10V Driver Options</b> FC-10% - 0-10V 10% (standard) FC-1% - 0-10V 1% OTI-10% - EldoLED OTI, 0-10V 10% <sup>6</sup> OTI-1% - EldoLED OTI, 0-10V 1% <sup>6</sup> ELD-10V-0% - EldoLED SOLOdrive, 0-10V 0.1% 10V-TW-10% - EldoLED OTI, 0-10V 10% (Tunable White) <sup>6</sup> <b>DALI Driver Options</b> 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)  <b>DMX Driver Options</b> ELD-DMX - EldoLED POWERdrive, 0.1% ELD-DMX-TW - EldoLED POWERdrive, 0.1% (Tunable White)  <b>Lutron Driver Options</b> LUT-ES1 - Lutron, Ecosystem 1% LUT-TW - Lutron LD2 Dali-2 1% (Tunable White)  See Page 3 for additional driver options and details	MB - Mounting Bracket Wall Mount only AM12 - 12" Arm Mount only AM18 - 18" Arm Mount only AM24 - 24" Arm Mount only

## OTHER OPTIONS

Endcap Style	Emergency Style (Optional) See page 5 Backup Battery table	Integrated Sensor (Optional) <sup>9</sup>	Special Options (Optional)
FE - Flat Endcap (standard) DE - 1" Drop Endcap <sup>8</sup> OE - Open Endcap <sup>9</sup>	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	OBO - Occupancy OBD - Daylight W601 - Wattstopper Sensor <sup>11</sup> OBE - Enlighted Sensor <sup>12</sup> REE - Remote Enlighted <sup>13</sup> CLM - Encelium RF SLM - Encelium Sensor  AOCC-W - Lutron Athena Sensor <sup>14</sup> (Device Color White) AOCC-B - Lutron Athena Sensor <sup>14</sup> (Device Color Black) ARF-W - Lutron Athena RF <sup>14</sup> (Device Color White) ARF-B - Lutron Athena RF <sup>14</sup> (Device Color Black) VOCC - Lutron Vive Sensor <sup>15</sup> VRF - Lutron Vive RF <sup>15</sup>	CP - Chicago Plenum RLA - Red List Approved RLD - Red List Declared
<b>Finish</b>  SW - Signal White (standard) FB - Finelite Black SA - Satin Aluminum #### - RAL Color Code <sup>10</sup>			

<sup>1</sup> Not available for Wall Wash

<sup>2</sup> Regressed only

<sup>3</sup> Kicker standard in Signal White. Customer Custom color kickers have a surcharge

<sup>4</sup> Contact factory for switching options

<sup>5</sup> Indirect/Direct only

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

<sup>7</sup> B & V outputs only

<sup>8</sup> 1" Drop Down Lens downlight only

<sup>9</sup> Available with Hollowed Ellipse Louver (LHE) only

<sup>10</sup> 20 business days lead time for color

<sup>11</sup> LMFS-601 w/ 0-10V driver(s) and LMFI-111, up to 6 drivers may be connected.

<sup>12</sup> LMFS-601 w/ Dali driver, only 1 driver can be connected.

<sup>13</sup> Enlighted components installed by Finelite, provided by others

<sup>14</sup> Enlighted for Wall Wash fixtures. Enlighted Control Unit & Sensor Cable installed for

Remote mounting sensor

<sup>15</sup> 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

<sup>16</sup> Lutron Vive Integrated Sensors require a DALI driver. Contact Factory for Indirect Distribution.

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

# High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

## SUPPLEMENTARY DRIVER PAGE

### 0-10V Driver Options

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

### DALI Driver Options

<b>FC-DALI-1%</b>	Factory Choice, DALI 1% Dimming (Logarithmic)
<b>ODXL-DALI-1%</b>	EldoLED Dexal, DALI 1% Dimming (Logarithmic)
<b>ELD-DALI-0%</b>	EldoLED SOLOdrive, DALI 0.1% Dimming (Logarithmic)
<b>ELD-DALI-1%</b>	EldoLED ECOdrive, DALI 1% Dimming (Logarithmic)
<b>ELD-DALI-TW</b>	EldoLED DUALdrive Light Shape, DALI 0.1% Dimming, Tunable White (Logarithmic Dimming, Linear CCT Control)

### DMX Driver Options

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

### Lutron Driver Options

<b>LUT-ES1</b>	Lutron, Ecosystem 1% Dimming
<b>LUT-TW</b>	Lutron LD2 Dali-2 1%, Tunable White

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

# High Performance 4" Aperture (HP-4) Wall Mount and Arm 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" ( $\pm 1/32"$ ). 12' maximum section length. Hollowed Ellipse Louver (**LHE**), Hex Louver (**LHC**), and White Cross Blade Baffle (**WCB**) are available in 1' increments.

**MITERED CORNERS<sup>1</sup>:** 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 Baffle<sup>2</sup> or Wall Wash. 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.

### MECHANICAL/OPTICAL OPTIONS

**UPLIGHT OPTION<sup>4</sup>:** Patented Top Glow frost white diffuser standard. 12 ft. maximum diffuser length. 73% transmissive, 99% diffusion. Internal secondary diffusers at corners ensure visually seamless, uniform, continuous illumination 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. **ASY-L** distributes light to the left, **ASY-R** distributed light to the right of the luminaire. Consult factory for more tailored lumen outputs.

**DOWNLIGHT OPTION<sup>5</sup>:** 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**)<sup>6</sup>, Hollowed Ellipse Louver (**LHE**)<sup>6</sup>, Hex Louver (**LHC**)<sup>6</sup>, Downlight Asymmetric Optic Left and Right (**DAO-L**, **DAO-R**)<sup>1</sup>, 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 (**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:** **Wall Mount:** Die-formed 20-gauge cold-rolled steel reflectors finished in 96LG High Reflectance white powder coat paint. **Arm Mount:** 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 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 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:**  $\geq 0.9$

- **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:**  $\geq 0.90$

- **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: 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.

**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).

<sup>1</sup> Not available with Wall Wash

<sup>2</sup> Indirect/Direct and Direct only

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

<sup>4</sup> Wall Mount Indirect/Direct, Wall Mount Regressed Indirect/Direct, and Wall Mount Indirect only

<sup>5</sup> Wall Mount Indirect/Direct, Wall Mount Regressed Indirect/Direct, Wall Mount Direct, and Wall Mount Regressed Direct only

<sup>6</sup> Wall Mount Regressed Indirect/Direct & Wall Mount Regressed Direct only

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

# High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

## SPECIFICATIONS

**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 OPTIONS

**ENDCAPS:** Flat diecast aluminum endcaps (**FE**) add 1/4" to each end of luminaire. 1" Drop Down Lens Endcap (**DE**)<sup>7</sup> 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.

#### Backup Battery

	Legrand 18W	Legrand 10W/ Bodine BSL310LP
<b>HP4-P-D</b>		
Min. Housing Length	8'	4'
EM Lumen Output	1854	1102
EM Section Illum.	2'	2' or 4'
<b>HP4-P-WW-D</b>		
Min. Housing Length	8'	4'
EM Lumen Output	2000	1189
EM Section Illum.	4'	4'
<b>HP4-P-ID</b>		
Min. Housing Length	8'	4'
EM Lumen Output	1854	1102
EM Section Illum.	2'	2' or 4'
<b>HP4-P-I</b>		
Min. Housing Length	8'	4'
EM Lumen Output	2057	1222
EM Section Illum.	2'	2' or 4'

<sup>7</sup> Minimum fixture housing length for battery pack approved without sensor  
The lumens are based on 835. For other CCT/CRI, refer to the Lumen Adjustment Factor table on page 10.

### TUNABLE WHITE ELECTRICAL OPTIONS<sup>8</sup>:

#### 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 top side 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 colors<sup>9</sup> 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. Chicago Plenum options available for C1, C2, or C3 suspension using our GridBox. Finelite products use electronic components that are RoHS compliant, and the mechanical components of the luminaire have been verified to not knowingly contain any restricted substances listed per RoHS Directive 2015/863. Consult factory for tailored lighting options. Finelite makes the specification process easy when putting healthier products on your projects. Simply add - **RLA** (Red List Approved) or - **RLD** (Red List Declared) to your part number.

**WEIGHT<sup>10</sup>:** ID - 3.4 lb/ft; D - 2.8 lb/ft; I - 2.8 lb/ft; AM - 2.9 lb/ft (luminaire only)

**DLC QUALIFIED:** Contact factory

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

<sup>7</sup> Available in Indirect/Direct Regressed & Direct Regressed only

<sup>8</sup> Consult Finelite for Generator Transfer Device and Battery Backup fit

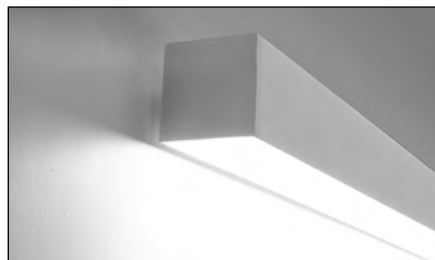
<sup>9</sup> 20 business days lead time for color

<sup>10</sup> Excludes Battery Back up and Generator Transfer Device weight

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

# High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

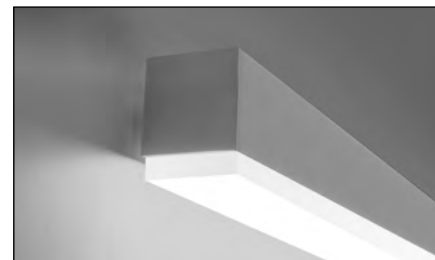
## AESTHETIC OPTIONS



Flush Diffuser (**F**)<sup>1</sup>



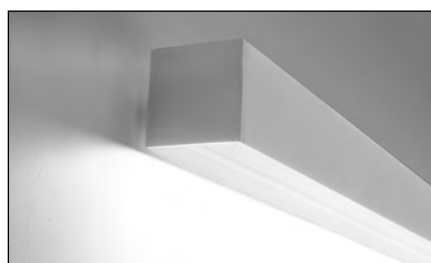
Bottom Glow Diffuser (**BG**)<sup>1</sup>



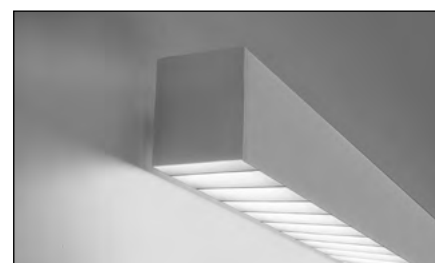
1" Drop Down Lens (**DL**)<sup>1</sup>



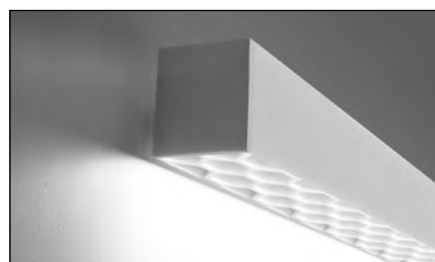
Flat Diffuser with 1" Regressed (**RG-D**)<sup>1</sup>



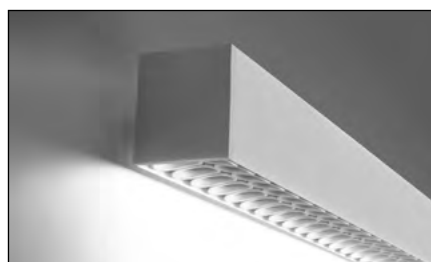
Downlight Asymmetric Optic (**DAO**)<sup>1</sup>  
Externally flush



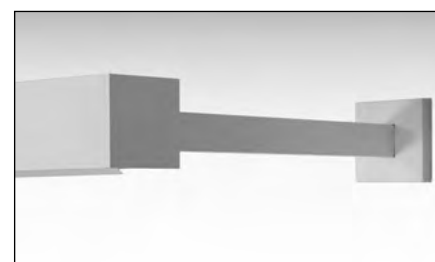
White Cross Blade Baffle (**RG-WCB**)<sup>1</sup>



Hex Louver (**RG-LHC**)<sup>1</sup>



Hollowed Ellipse Louver (**RG-LHE**)<sup>1</sup>



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

<sup>1</sup> Not available with Wall Wash

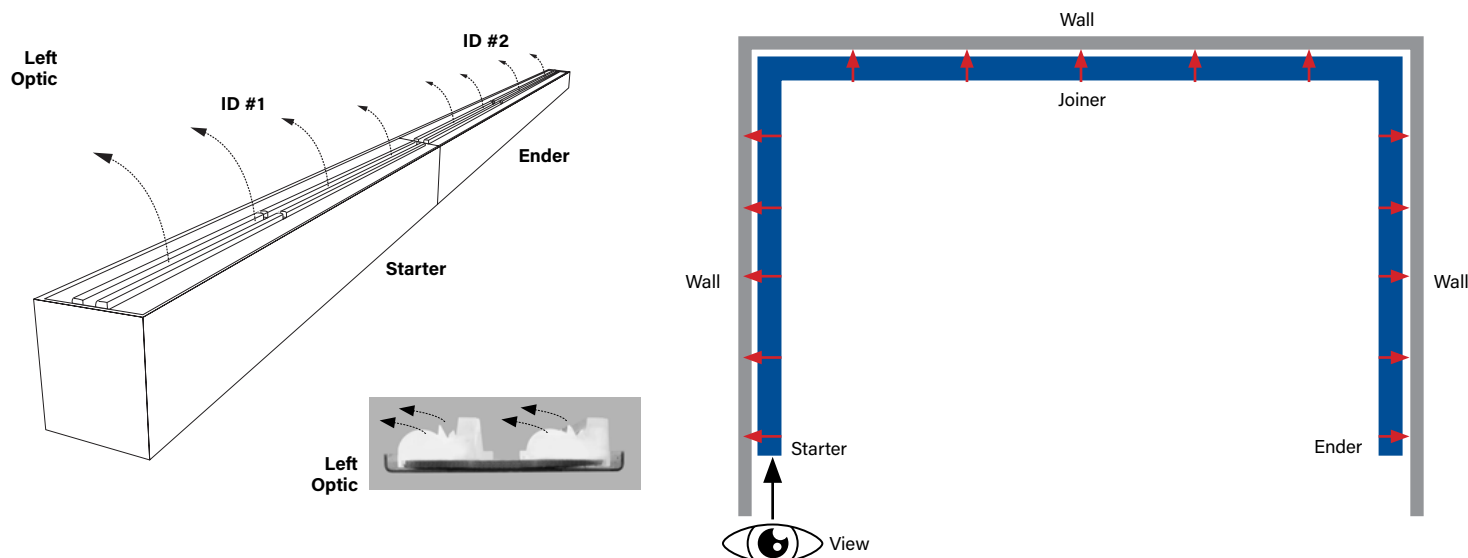
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

# High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

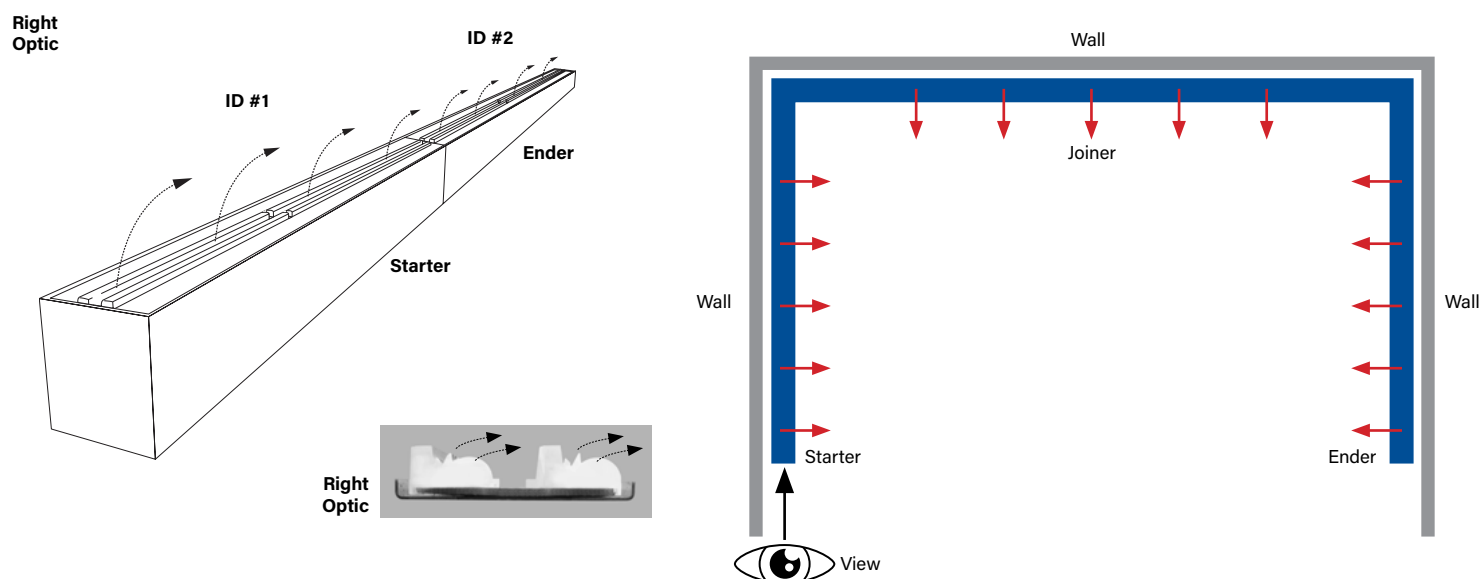
## ASYMMETRIC OPTIONS

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

### Asymmetric Left Optic (ASY-L)



### Asymmetric Right Optic (ASY-R)





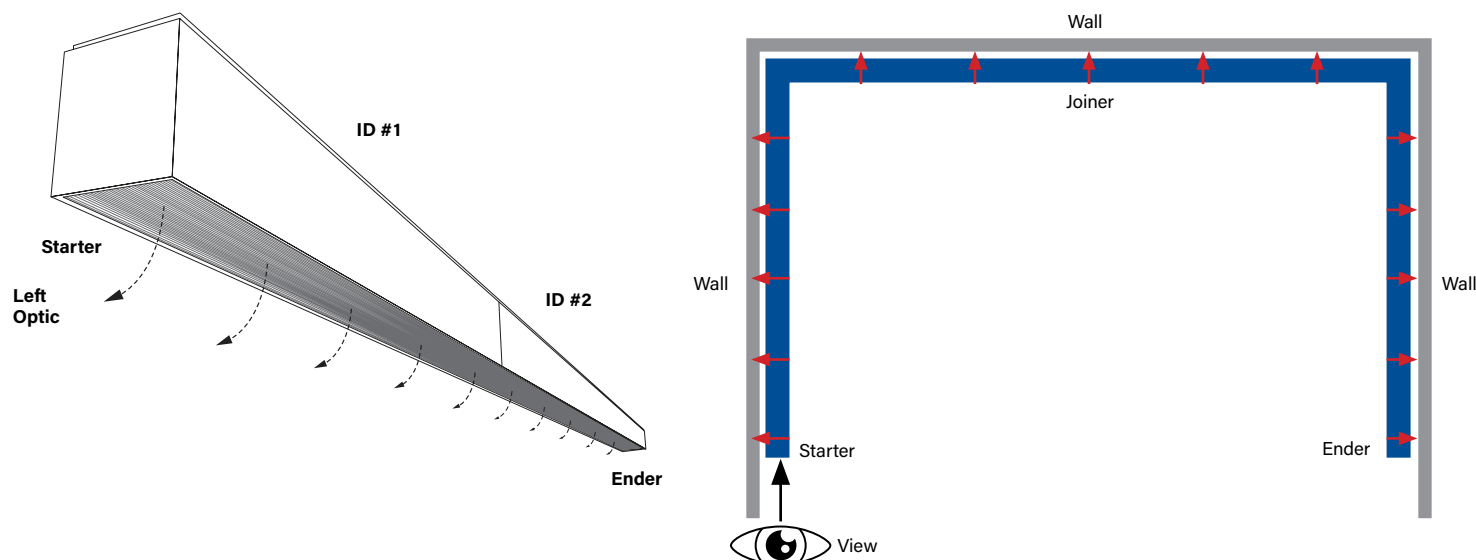
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

# High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

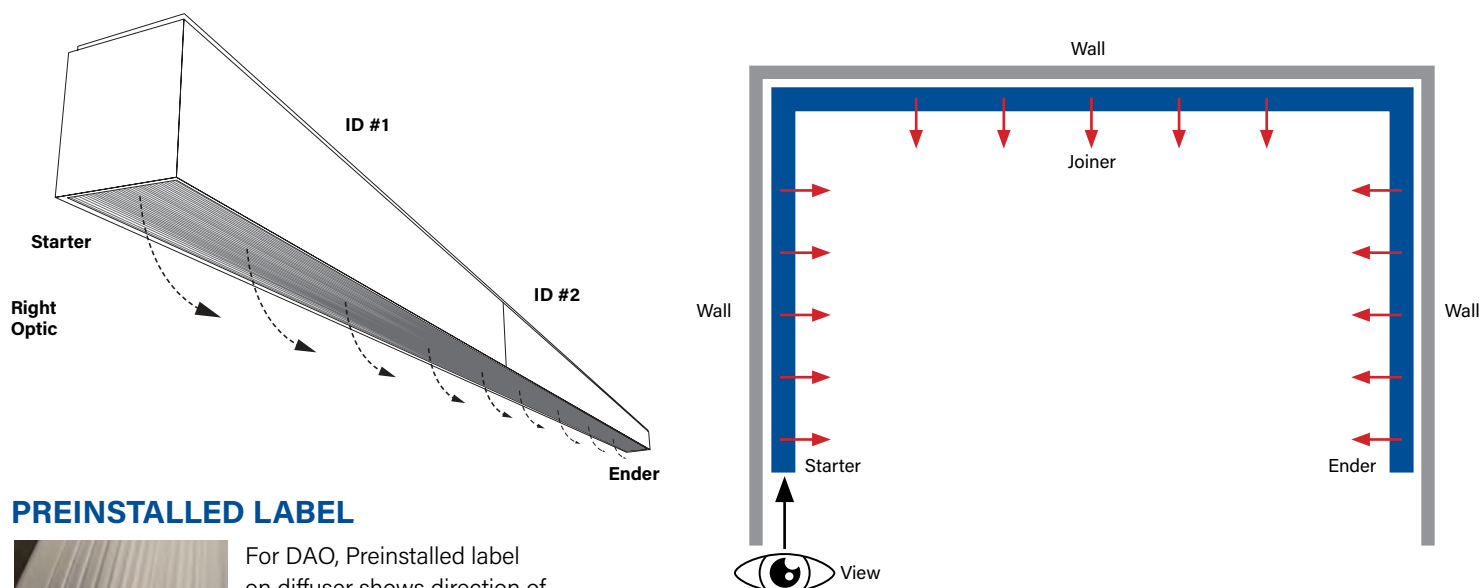
## DOWNLIGHT ASYMMETRIC OPTIONS

The diagrams below show a linear run from power feed to ender. Specifying DAO-L distributes light to the left or DAO-R distributes light to the 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.

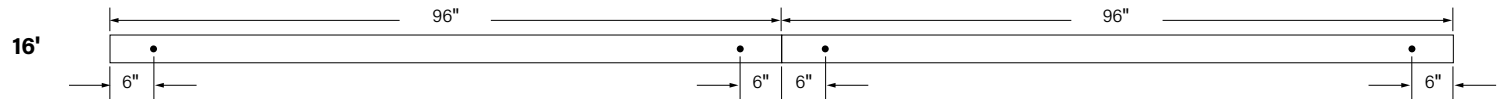
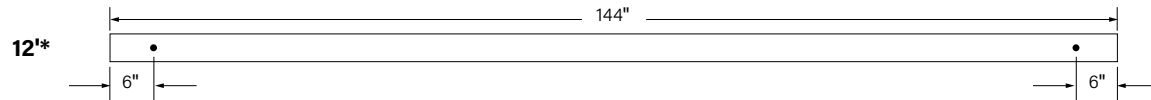
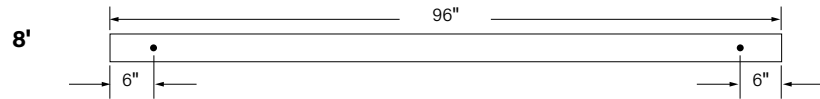
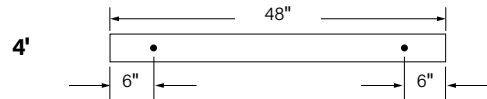
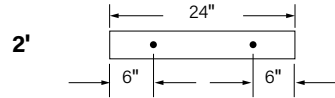


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

# High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

## WALL WASH ARM MOUNT - Run Lengths & Mounting Location Examples

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

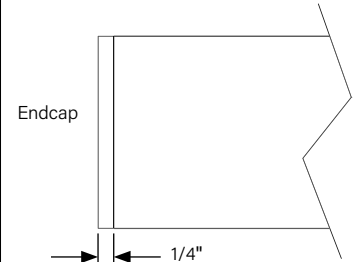


• = Bracket Location

\* = 12' Maximum spacing for two Arm Mount supports

### Endcap Information

The **Flat Endcap** adds 1/4" per endcap to the section length.



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

# High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

Indirect/Direct Photometry - 4' Luminaire 3500K

HP4-WM-ID-4'-V-V-835-ASY-R-DAO

**Uplight:** Asymmetric Right / **Downlight:** Downlight Asymmetric Optic

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

**Efficacy:** 115 lm/W

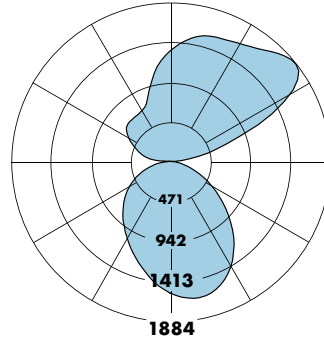
**Uplight:** 4436 lumens (1108 lumens/foot)

**Downlight:** 3884 lumens (971 lumens/foot)

**Total luminaire output:** 8320 lumens (2080 lm/ft)  
72.5 watts (18.1 W/ft)

CRI: 80 / CCT: 3500K

ITL LM79 Report 89988 and 94331



CANDELA DISTRIBUTION						
	0.0	22.5	45.0	67.5	90.0	FLUX
0	1552	1552	1552	1552	1552	
5	1609	1605	1591	1569	1543	146
15	1641	1635	1599	1533	1468	413
25	1538	1537	1506	1415	1323	609
35	1315	1325	1314	1224	1116	704
45	1019	1039	1052	976	872	692
55	710	733	759	707	629	587
65	438	452	476	450	404	423
75	216	224	239	230	214	239
85	57	57	62	62	63	70
90	0	0	0	0	0	
95	142	145	146	149	57	146
105	582	627	647	445	207	432
115	1335	1341	1134	661	369	692
125	1861	1728	1288	811	545	796
135	1803	1664	1318	959	724	743
145	1657	1575	1367	1118	909	641
155	1581	1541	1432	1254	1084	513
165	1537	1515	1446	1332	1220	345
175	1401	1392	1366	1332	1293	123
180	1302	1302	1302	1302	1302	

## Sample Lumen Adjustment Calculation

### Lumen Adjustment Factors 80 CRI

<b>3000K</b>	0.985
<b>3500K</b>	1.000
<b>4000K</b>	1.032

### Lumen Adjustment Factors 90 CRI

<b>3000K</b>	0.746
<b>3500K</b>	0.760
<b>4000K</b>	0.789

High Output (H) / Standard Output (S), 4000K, 90 CRI

**Lumen Adjustment Factor:** 0.789

**Total Light Output:** 5040 lm x 0.789 = 3977 lm

**Total Light Output per Foot:** 1213 lm/ft x 0.789 = 994 lm/ft.

**watts/foot:** 10.5 W/ft.

$$\text{Efficacy} = \frac{994 \frac{\text{lm}}{\text{ft.}}}{10.5 \frac{\text{W}}{\text{ft.}}} = 95 \text{ lm/W}$$

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

	1S <sup>1</sup>	1B <sup>1</sup>	1H <sup>1</sup>	1V <sup>2</sup>
1S <sup>1</sup>	3406 [153%   47%↓]	3873 [159%   41%↓]	5040 [169%   31%↓]	6026 [174%   26%↓]
1B <sup>1</sup>	3815 [147%   52%↓]	4282 [153%   47%↓]	5449 [163%   37%↓]	6435 [169%   31%↓]
1H <sup>1</sup>	4837 [138%   62%↓]	5304 [143%   57%↓]	6471 [153%   47%↓]	7457 [160%   40%↓]
1V <sup>2</sup>	5700 [132%   68%↓]	6167 [137%   63%↓]	7344 [147%   53%↓]	8320 [153%   47%↓]

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

	1S <sup>1</sup>	1B <sup>1</sup>	1H <sup>1</sup>	1V <sup>2</sup>
1S <sup>1</sup>	851	968	1260	1506
1B <sup>1</sup>	954	1070	1362	1609
1H <sup>1</sup>	1209	1326	1618	1864
1V <sup>2</sup>	1425	1542	1834	1995

### Power, 3500K (Watts Per Foot)

	1S <sup>1</sup>	1B <sup>1</sup>	1H <sup>1</sup>	1V <sup>2</sup>
1S <sup>1</sup>	7.1	8.1	10.5	12.6
1B <sup>1</sup>	8.1	9.0	11.5	13.6
1H <sup>1</sup>	10.5	11.5	13.9	16.0
1V <sup>2</sup>	12.6	13.6	16.0	18.1

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

	1S <sup>1</sup>	1B <sup>1</sup>	1H <sup>1</sup>	1V <sup>2</sup>
1S <sup>1</sup>	120	120	120	120
1B <sup>1</sup>	118	119	119	119
1H <sup>1</sup>	115	116	116	116
1V <sup>2</sup>	113	114	115	115

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

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

<sup>2</sup> Based on ITL report: 89988, 94331

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

# High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

Indirect/Direct Photometry - 4' Luminaire 3500K

**HP4-WM-ID-4'-V-V-835**

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

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

**Efficacy:** 106 lm/W

**Uplight:** 4180 lumens (1045 lumens/foot)

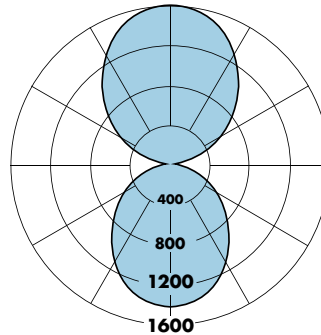
**Downlight:** 3706 lumens (927 lumens/foot)

**Total luminaire output:** 7886 lumens (1972 lm/ft)  
74.1 watts (18.5 W/ft)

**Peak Candela Value:** 1600 @ 180°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85125



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

## Sample Lumen Adjustment Calculation

### Lumen Adjustment Factors 80 CRI

<b>3000K</b>	0.985
<b>3500K</b>	1.000
<b>4000K</b>	1.032

### Lumen Adjustment Factors 90 CRI

<b>3000K</b>	0.746
<b>3500K</b>	0.760
<b>4000K</b>	0.789

High Output (H) / Standard Output (S), 4000K, 90 CRI

**Lumen Adjustment Factor:** 0.789

**Total Light Output:** 4768 lm x 0.789 = 3762 lm

**Total Light Output per Foot:** 1192 lm/ft x 0.789 = 940 lm/ft.

**watts/foot:** 10.7 W/ft.

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

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

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

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

	↑S <sup>1</sup>	↑B <sup>1</sup>	↑H <sup>1</sup>	↑V <sup>2</sup>
↓S <sup>1</sup>	807	917	1192	1424
↓B <sup>1</sup>	905	1015	1290	1522
↓H <sup>1</sup>	1148	1258	1533	1766
↓V <sup>2</sup>	1354	1464	1739	1972

### Power, 3500K (Watts Per Foot)

	↑S <sup>1</sup>	↑B <sup>1</sup>	↑H <sup>1</sup>	↑V <sup>2</sup>
↓S <sup>1</sup>	7.3	8.2	10.7	12.9
↓B <sup>1</sup>	8.2	9.2	11.7	13.9
↓H <sup>1</sup>	10.7	11.7	14.2	16.4
↓V <sup>2</sup>	12.9	13.9	16.4	18.5

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

	↑S <sup>1</sup>	↑B <sup>1</sup>	↑H <sup>1</sup>	↑V <sup>2</sup>
↓S <sup>1</sup>	111	111	111	111
↓B <sup>1</sup>	110	110	110	110
↓H <sup>1</sup>	107	107	108	108
↓V <sup>2</sup>	105	106	106	106

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

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

<sup>2</sup> Based on ITL report: 89125

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

# High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

Indirect/Direct Photometry - 4' Luminaire 3500K

**HP4-WM-RG-ID-4'-V-V-835**

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

**Distribution:** 56% Up (V) / 44% Down (V)

**Efficacy:** 108 lm/W

**Uplight:** 4406 lumens (1102 lumens/foot)

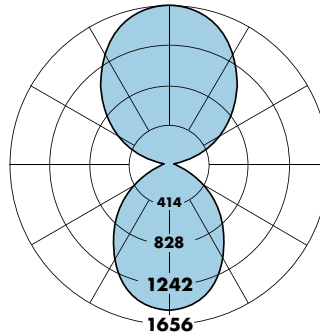
**Downlight:** 3531 lumens (883 lumens/foot)

**Total luminaire output:** 7937 lumens (1984 lm/ft)  
73.2 watts (18.3 W/ft)

**Peak Candela Value:** 1656 @ 180°

CRI: 80 / CCT: 3500K

ITL LM79 Report 90353



CANDELA DISTRIBUTION						
	0.0	22.5	45.0	67.5	90.0	FLUX
0	1507	1507	1507	1507	1507	
5	1497	1496	1496	1497	1498	142
15	1429	1419	1418	1410	1400	398
25	1293	1276	1259	1237	1227	579
35	1109	1087	1053	1020	1003	659
45	902	871	824	780	764	638
55	682	645	588	541	525	532
65	457	418	358	313	299	364
75	244	203	151	120	115	178
85	60	36	33	32	31	43
90	0	0	0	0	0	
95	75	78	81	84	85	91
105	276	281	287	293	293	303
115	514	516	523	528	526	516
125	65	764	768	772	774	687
135	1010	1003	1011	1016	1016	779
145	1241	1227	1240	1239	1237	773
155	1434	1421	1433	1431	1426	658
165	1574	1566	1571	1568	1565	442
175	1646	1646	1646	1645	1645	156
180	1656	1656	1656	1656	1656	

## Sample Lumen Adjustment Calculation

### Lumen Adjustment Factors 80 CRI

<b>3000K</b>	0.985
<b>3500K</b>	1.000
<b>4000K</b>	1.032

### Lumen Adjustment Factors 90 CRI

<b>3000K</b>	0.746
<b>3500K</b>	0.760
<b>4000K</b>	0.789

High Output (H) / Standard Output (S), 4000K, 90 CRI

**Lumen Adjustment Factor:** 0.789

**Total Light Output:** 4872 lm x 0.789 = 3844 lm

**Total Light Output per Foot:** 1218 lm/ft x 0.789 = 961 lm/ft.

**watts/foot:** 10.6 W/ft.

$$\text{Efficacy} = \frac{961 \frac{\text{lm}}{\text{ft.}}}{10.6 \frac{\text{W}}{\text{ft.}}} = 91 \text{ lm/W}$$

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

	↑S <sup>1</sup>	↑B <sup>1</sup>	↑H <sup>1</sup>	↑V <sup>2</sup>
↓S <sup>1</sup>	3249 [↑55%   45%↓]	3713 [↑61%   39%↓]	4872 [↑70%   30%↓]	5851 [↑75%   25%↓]
↓B <sup>1</sup>	3621 [↑50%   50%↓]	4085 [↑55%   45%↓]	5244 [↑65%   35%↓]	6223 [↑71%   29%↓]
↓H <sup>1</sup>	4550 [↑40%   60%↓]	5014 [↑45%   55%↓]	6173 [↑56%   44%↓]	7152 [↑62%   38%↓]
↓V <sup>2</sup>	5335 [↑34%   66%↓]	5798 [↑39%   61%↓]	6958 [↑49%   51%↓]	7937 [↑56%   44%↓]

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

	↑S <sup>1</sup>	↑B <sup>1</sup>	↑H <sup>1</sup>	↑V <sup>2</sup>
↓S <sup>1</sup>	812	928	1218	1463
↓B <sup>1</sup>	905	1021	1311	1556
↓H <sup>1</sup>	1137	1253	1543	1788
↓V <sup>2</sup>	1334	1450	1739	1984

### Power, 3500K (Watts Per Foot)

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

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

	↑S <sup>1</sup>	↑B <sup>1</sup>	↑H <sup>1</sup>	↑V <sup>2</sup>
↓S <sup>1</sup>	113	114	115	115
↓B <sup>1</sup>	111	112	113	114
↓H <sup>1</sup>	107	108	110	111
↓V <sup>2</sup>	105	106	108	108

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

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

<sup>2</sup> Based on ITL report: 90353

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

# High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

## Direct Photometry - 4' Luminaire 3500K

**HP4-WM-D-4'-V-835**

**Downlight:** Flush Diffuser

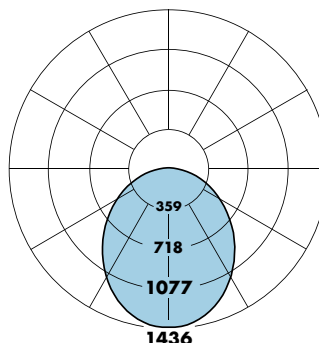
**Efficacy:** 100 lm/W

**Total luminaire output:** 3705 lumens (926 lm/ft)  
37 watts (9.3 W/ft)

**Peak Candela Value:** 1436 @ 0°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85124



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

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

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
1517	1907	2882	3705

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

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
379	477	720	926

### Power, 3500K (Watts Per Foot)

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
3.6	4.6	7.1	9.3

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

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
105	107	102	100

### Sample Lumen Adjustment Calculation

#### Lumen Adjustment Factors 80 CRI

<b>3000K</b>	0.985
<b>3500K</b>	1.000
<b>4000K</b>	1.032

#### Lumen Adjustment Factors 90 CRI

<b>3000K</b>	0.746
<b>3500K</b>	0.760
<b>4000K</b>	0.789

High Output (H), 4000K, 90 CRI

**Lumen Adjustment Factor:** 0.789

**Total Light Output:** 2882 lm x 0.789 = 2274 lm

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

**watts/foot:** 7.1 W/ft.

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

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

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

<sup>2</sup> Based on ITL report: 85124

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

# High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

Direct Photometry - 4' Luminaire 3500K

**HP4-WM-D-4'-V-835-DAO**

**Downlight:** Downlight Asymmetric Optic

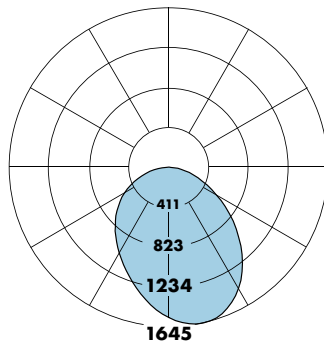
**Efficacy:** 109 lm/W

**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 <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
1590	1999	3021	3884

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

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
397	500	755	971

Power, 3500K (Watts Per Foot)

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
3.5	4.4	6.8	8.9

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

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
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

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

<sup>2</sup> Based on ITL report: 94331

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

# High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

Indirect Photometry - 4' Luminaire 3500K

**HP4-WM-I-4'-V-835**

**Uplight:** Flush Diffuser

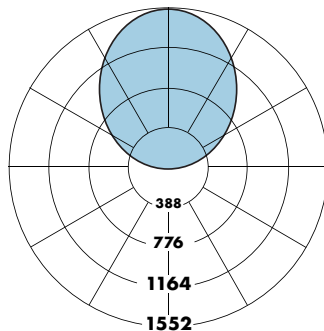
**Efficacy:** 112 lm/W

**Total luminaire output:** 4114 lumens (1029 lm/ft)  
37 watts (9.2 W/ft)

**Peak Candela Value:** 1552 @ 180°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85127



CANDELA DISTRIBUTION						
	0.0	22.5	45.0	67.5	90.0	Flux
90	0	0	0	0	0	
95	76	77	79	80	80	88
105	264	263	267	270	269	283
115	487	481	482	489	484	479
125	714	715	714	708	710	637
135	943	947	947	940	937	727
145	1161	1151	1166	1155	1151	724
155	1343	1332	1341	1338	1331	616
165	1475	1467	1473	1471	1468	414
175	1542	1542	1543	1543	1542	146
180	1552	1552	1552	1552	1552	

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

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
1684	2117	3200	4114

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

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
421	529	800	1029

Power, 3500K (Watts Per Foot)

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
3.6	4.6	7.1	9.2

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

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
117	116	114	112

## Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI

<b>3000K</b>	0.985
<b>3500K</b>	1.000
<b>4000K</b>	1.032

Lumen Adjustment Factors 90 CRI

<b>3000K</b>	0.746
<b>3500K</b>	0.760
<b>4000K</b>	0.789

High Output (H), 4000K, 90 CRI

**Lumen Adjustment Factor:** 0.789

**Total Light Output:** 3200 lm x 0.789 = 2525 lm

**Total Light Output per Foot:** 800 lm/ft x 0.789 = 631 lm/ft.

**watts/foot:** 71 W/ft.

$$\text{Efficacy} = \frac{631 \frac{\text{lm}}{\text{ft}}}{71 \frac{\text{W}}{\text{ft}}} = 89 \text{ lm/W}$$

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

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

<sup>2</sup> Based on ITL report: 86127



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

# High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

## Wall Wash Direct Photometry - 4' Luminaire 3500K

**HP4-AM-WW-D-K-4'-B-835**

**Downlight:** With Kicker

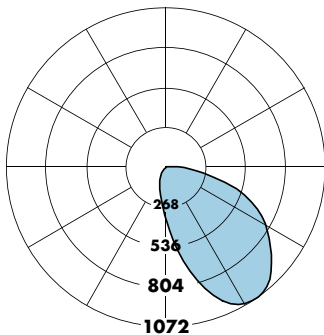
**Efficacy:** 92 lm/W

**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



Wall

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	

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

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
743	935	1412	1816

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

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
186	234	353	454

### Power, 3500K (Watts Per Foot)

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
2.0	2.5	3.8	5.0

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

S <sup>1</sup>	B <sup>1</sup>	H <sup>1</sup>	V <sup>2</sup>
91	92	92	92

### Sample Lumen Adjustment Calculation

#### Lumen Adjustment Factors 80 CRI

<b>3000K</b>	0.985
<b>3500K</b>	1.000
<b>4000K</b>	1.032

#### Lumen Adjustment Factors 90 CRI

<b>3000K</b>	0.746
<b>3500K</b>	0.760
<b>4000K</b>	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.

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

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

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

<sup>2</sup> Based on ITL report: 86130

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

# High Performance 4" Aperture (HP-4) Wall Mount and Arm Mount

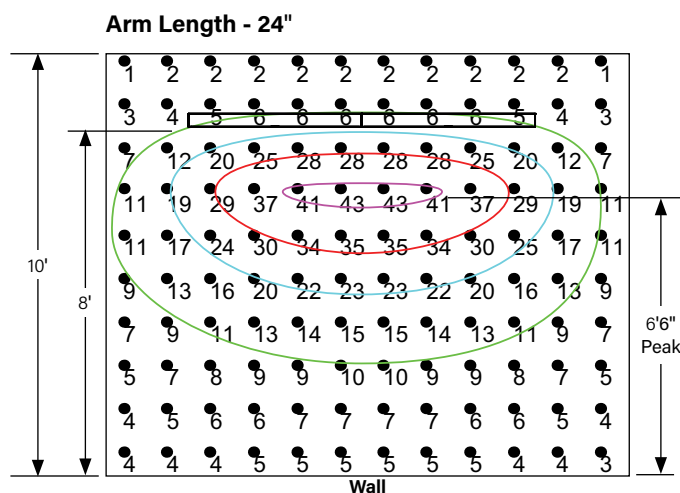
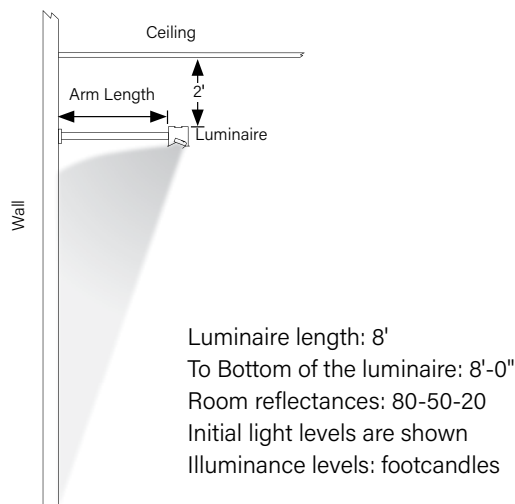
## Wall Wash Arm Mount Direct - Setback Info and Application Data

**HP4-AM-WW-D-K-4'-B-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

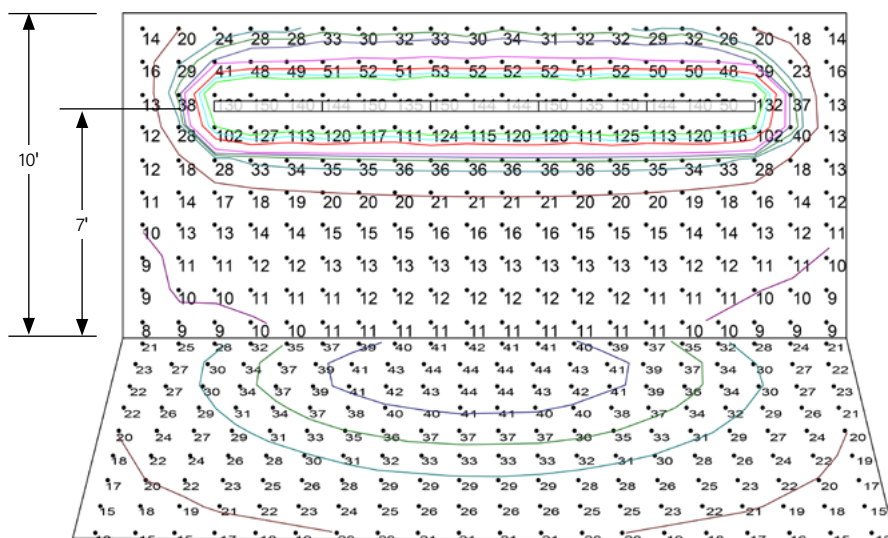
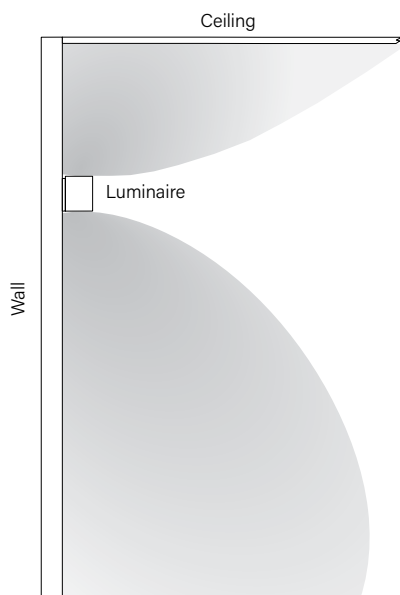
**HP-4-WM-ID-4'-S-S-835-ASY-DAO**

**Uplight:** ASY

**Downlight:** DAO

**Total luminaire output:** 3406 lumens (852 lm/ft)  
28.4 watts (7.1 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.

## 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)							✓		✓		✓

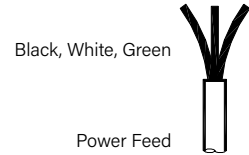
## PHOTOMETRY

Apply a power adjustment factor to calculate wattage usage

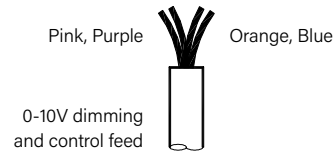
POWER	CONVERSION FACTOR
	1.1X

(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