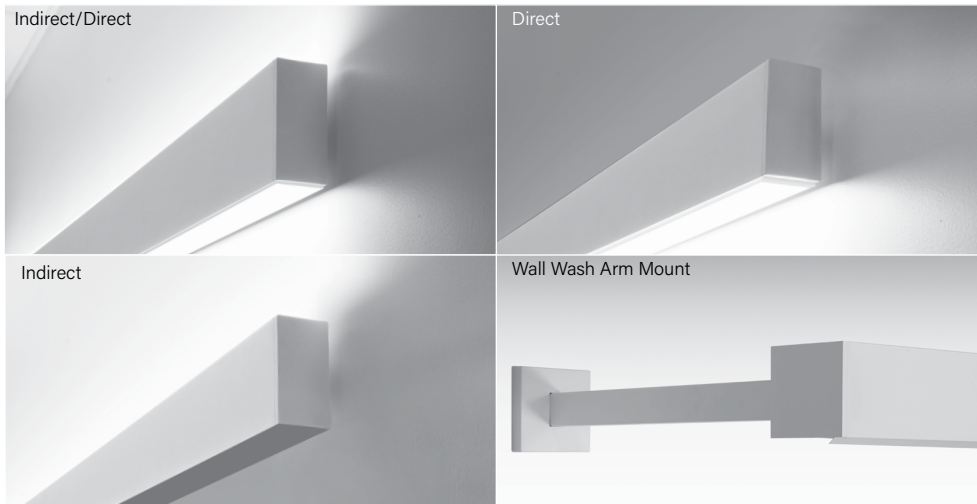


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

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



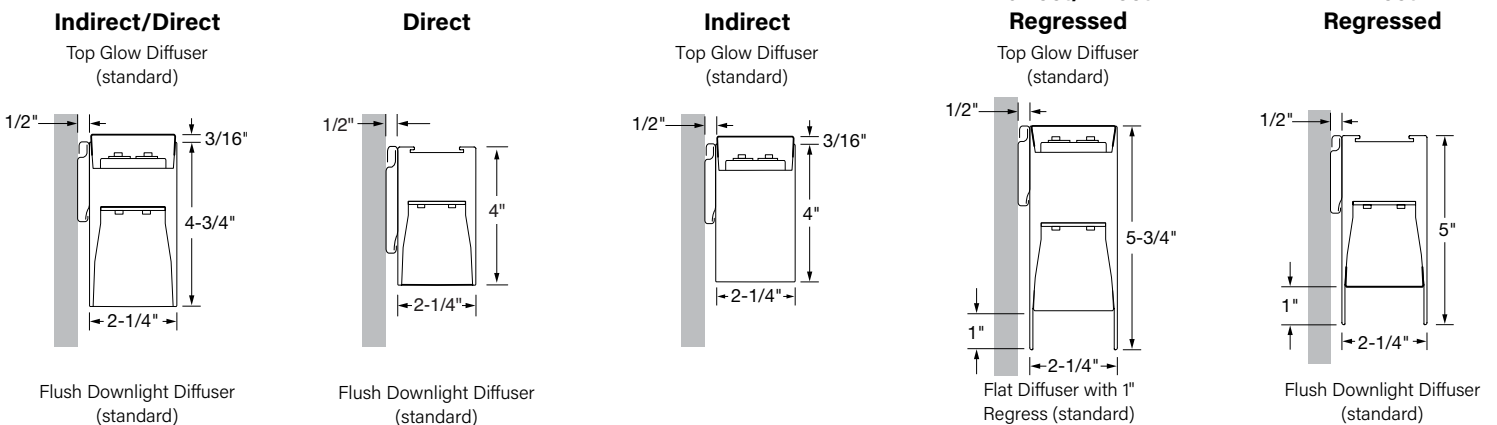
High Performance 2" Aperture is a patented, linear LED luminaire family. HP-2 delivers excellent performance using an advanced optical design and mid-power LEDs deliver uniform illumination with a clean aesthetic, while adaptable for a wide range of applications and spaces. 10-year performance-based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

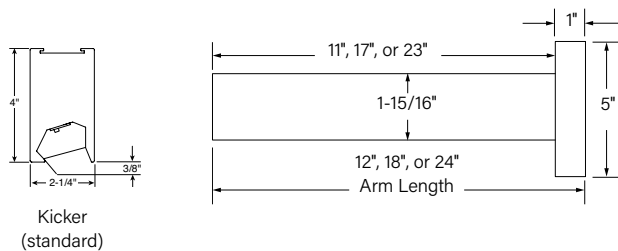
Signal White is standard finish

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

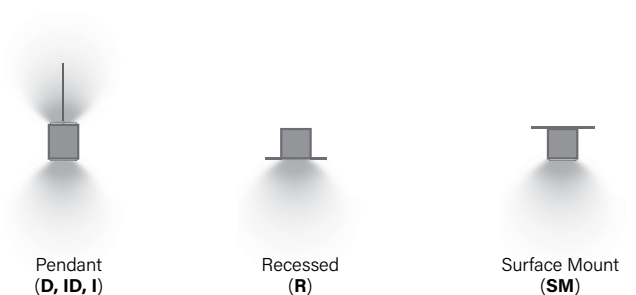
## CROSS SECTIONS



## Wall Wash Arm Mount



## ALSO AVAILABLE IN



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

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

Ordering Guide Example: HP - 2 - WM - ID - 36' - S - S - 835 - F - BG - 96LG - 120 - DC - FC-10% - MB - C1 - FE - SW - LGD18W - OBO1 - RLD - SQ2

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	<b>WM</b> - Wall Mount <sup>1</sup> <b>WM RG</b> - Wall Mount Regressed <sup>1</sup> <b>AM</b> - Arm Mount <b>AM RG</b> - Arm Mount Regressed	<b>Wall Mount</b> <b>D</b> - Direct <b>ID</b> - Indirect/Direct <b>I</b> - Indirect <b>Arm Mount</b> <b>D</b> - Direct <b>ID</b> - Indirect/Direct <b>I</b> - Indirect (Not available for <b>AM RG</b> ) <b>WW-D</b> - Wall Wash Direct (Not available for <b>AM RG</b> )	Minimum 2' section length. Increments accurate to 1/16" (±1/32"), standard. 12' maximum section length.	<b>S</b> - Standard (479 lm/ft) <b>B</b> - Boosted (616 lm/ft) <b>H</b> - High (938 lm/ft) <b>V</b> - Very High (1193 lm/ft) <b>TL</b> - Tailored: _____lm/ft*	<b>S</b> - Standard (350 lm/ft) <b>B</b> - Boosted (449 lm/ft) <b>H</b> - High (684 lm/ft) <b>V</b> - Very High (870 lm/ft) <b>TL</b> - 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		ELECTRICAL OPTIONS	
LED CRI/CCT	Uplight	Downlight	Reflector System	Voltage	
830 - 80 CRI, 3000K	<b>TG</b> - Top Glow (standard)	<b>F</b> - Flush (standard) <sup>1,14</sup>	<b>96LG</b> - 96 Low Gloss White	120 - 120 Voltage	
835 - 80 CRI, 3500K	<b>F</b> - Flush	<b>BG</b> - Bottom Glow <sup>1,14</sup>	<b>SW</b> - Signal White for Wall Wash only	277 - 277 Voltage	
840 - 80 CRI, 4000K	<b>ASY-L</b> - Asymmetric Left Optic	<b>DL</b> - 1" Drop Down Lens <sup>1,14</sup>		347 - 347 Voltage (OTI only)	
930 - 90 CRI, 3000K	<b>ASY-R</b> - Asymmetric Right Optic	<b>RG-D</b> - Flat Diffuser with 1" Regress <sup>1,2,14</sup>		<b>Circuiting</b> <sup>5</sup>	
935 - 90 CRI, 3500K	<b>ASYTG-L</b> - Asymmetric Left Optic with Top Glow	<b>RG-WCB</b> - White Cross Blade Baffle <sup>1,2,14</sup>			
940 - 90 CRI, 4000K	<b>ASYTG-R</b> - Asymmetric Right Optic with Top Glow	<b>RG-LHE</b> - Hollowed Ellipse Louver <sup>1,2,14</sup>		<b>SC</b> - Single Circuit* One single circuit in a run	
8TW - 80 CRI, Tunable White	<b>WSO</b> - Widespread Optic	<b>RG-LHC</b> - Hex Louver <sup>1,2,14</sup>		<b>DC</b> - Dual Circuit* <sup>6</sup> Independent control of up and down separately in an I/D style fixture	
9TW - 90 CRI, Tunable White	<b>WSOTG</b> - Widespread Optic with Top Glow	<b>DAO-L</b> - Downlight Asymmetric Optic Left <sup>1,3,14</sup>		<b>MC</b> - Multi-Circuit* More than one switch leg or zone. Factory shop drawings included	
		<b>DAO-R</b> - Downlight Asymmetric Optic Right <sup>1,3,14</sup>		* Battery, Night Light, and Emergency to Generator circuits are in addition to the normal luminaire circuit(s)	
		<b>K</b> - Kicker for Wall Wash only (standard) <sup>4</sup>			
		<b>FO</b> - Fully Open for Wall Wash only			

ELECTRICAL OPTIONS		MOUNTING OPTIONS		OTHER OPTIONS			
Driver Selection		Mounting Method		Endcap Style			
<b>0-10V Driver Options</b> <b>FC-10%</b> - 0-10V 10% (standard) <b>FC-1%</b> - 0-10V 1% <b>OTI-10%</b> - EldoLED OTI, 0-10V 10% <sup>7</sup> <b>OTI-1%</b> - EldoLED OTI, 0-10V 1% <sup>7</sup> <b>ELD-10V-0%</b> - EldoLED SOLOdrive, 0-10V 0.1% <b>10V-TW-10%</b> - EldoLED OTI, 0-10V 10% (Tunable White) <sup>7</sup> <b>DALI Driver Options</b> <b>FC-DALI-1%</b> - DALI 1% <b>DXL-DALI-1%</b> - EldoLED Dexal, 1% <b>ELD-DALI-0%</b> - EldoLED SOLOdrive, 0.1% <b>ELD-DALI-TW</b> - EldoLED DUALdrive LightShape, 0.1% (Tunable White)		<b>DMX Driver Options</b> <b>ELD-DMX</b> - EldoLED POWERdrive, 0.1% <b>ELD-DMX-TW</b> - EldoLED POWERdrive, 0.1% (Tunable White) <b>Lutron Driver Options</b> <b>LUT-ESI</b> - Lutron, Ecosystem 1% <b>LUT-TW</b> - Lutron LD2 Dali-2 1%, (Tunable White)  See Page 3 for additional driver options and details		<b>MB</b> - Mounting Bracket <sup>8</sup> <b>AM12</b> - 12" <sup>9</sup> <b>AM18</b> - 18" <sup>9</sup> <b>AM24</b> - 24" <sup>9</sup>		<b>FE</b> - Flat Endcap (standard) <b>DE</b> - 1" Drop Endcap <sup>10</sup> <b>OE</b> - Open Endcap <sup>11</sup>  <b>Finish</b> <b>SW</b> - Signal White (standard) <b>FB</b> - Finelite Black <sup>12</sup> <b>SA</b> - Satin Aluminum <sup>12</sup> <b>MM01</b> - Gray Elm <sup>13</sup> <b>MM02</b> - White Oak <sup>13</sup>  <b>MM03</b> - Teak <sup>13</sup> <b>MM04</b> - Walnut <sup>13</sup> <b>####</b> - RAL Color Code <sup>13</sup> Material MIMIC (MIM) RLA & RLD pending	

OTHER OPTIONS			
Emergency Style (Optional) See page 5 Backup Battery table	Integrated Sensor (Optional) <sup>14</sup>	Special Options (Optional)	Configuration <sup>20</sup>
<b>LGD18W</b> - Legrand 18W Brand Battery Back-up	<b>OBO1</b> - WS FS-305 w/ FS-L6 lens on/off (max mounting height 8") <sup>1,15</sup> OCC Sensor	<b>RLA</b> - Red List Approved	<b>SQ</b> - Square (side 1)
<b>LGD10W</b> - Legrand 10W Brand Battery Back-up	<b>OBO2</b> - WS FS-305 w/ FS-L3W lens on/off (max mounting height 20") <sup>1,15</sup> OCC Sensor	<b>RLD</b> - Red List Declared	<b>REC</b> - Rectangle (side 1 x side 2)
<b>EM/GEN</b> - Emergency to Generator	<b>OBO3</b> - WS FS-305D w/ FS-L6 lens Dim to 50% (max mounting height 8") <sup>1,15</sup> OCC Sensor		<b>L</b> - "L" Shape (side 1 x side 2)
<b>NL</b> - Night Light	<b>OBO4</b> - WS FS-305D w/ FS-L3W lens Dim to 50% (max mounting height 20") <sup>1,15</sup> OCC Sensor		<b>U</b> - "U" Shape (side 1 x side 2 x side 3)
<b>BSL310LP</b> - Bodine Battery Back up Low Profile	<b>OBO5</b> - WS FS-505 Low Voltage Stair Mount Sensor		<b>99CFG</b> - Custom Configuration <sup>21</sup>
<b>BSL10T3</b> - Bodine Battery Back up Low Profile Compact	<b>OB0</b> - Daylight <sup>1</sup>		
<b>GTD</b> - Generator Transfer Device <sup>23</sup>	<b>W601</b> - Wattstopper Wireless Sensor <sup>16</sup>		
<b>ALCR</b> - Automatic Load Control Relay <sup>23</sup>	<b>CLM</b> - Wattstopper Plus RF		
<b>RRU</b> - Shunt Relay for 0-10V	<b>SLM</b> - Wattstopper Plus Sensor		
	<b>RE7</b> - nLight Occupancy & Daylight <sup>17</sup>		
	<b>NE7</b> - nLight Occupancy <sup>17</sup>		
	<b>AOCC-W</b> - Lutron Athena Sensor (Device Color White) <sup>18,22</sup>		
	<b>AOCC-B</b> - Lutron Athena Sensor (Device Color Black) <sup>18,22</sup>		
	<b>ARF-W</b> - Lutron Athena RF (Device Color White) <sup>18,22</sup>		
	<b>ARF-B</b> - Lutron Athena RF (Device Color Black) <sup>18,22</sup>		
	<b>VOCC</b> - Lutron Vive Wireless <sup>19,22</sup> Sensor (VDO)		
	<b>VRF</b> - Lutron Vive Radio Only <sup>19,22</sup>		
	<b>WCLA-D</b> - WaveLinx WCL-OEM-WAA-D <sup>24</sup>		
	<b>WCLA</b> - WaveLinx WCL-OEM-WAA <sup>24</sup>		
	<b>WCLB-D</b> - WaveLinx WCL-OEM-WAB-D <sup>24</sup>		
	<b>WCLB</b> - WaveLinx WCL-OEM-WAB <sup>24</sup>		
	<b>WCLR</b> - WaveLinx Remote <sup>24</sup>		

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 Wall Mount only

9 Arm Mount only

10 1" Drop Down Lens downlight only

11 Available with Hollowed Ellipse Louver (LHE) only

12 15 business days lead time

13 20 business days lead time for MM and color

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

15 Not available with Direct

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

17 Contact factory

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.

20 See pages 9 for more details and examples

21 Please provide drawing with dimensions

22 When LUT-ELI is specified for emergency lighting, do not include an integral UL924 relay (e.g., ALCR or GTD).

For more details, see Lutron EM App Note 106 or Lutron Vive EM App Note 628

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

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

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

# High Performance 2" Aperture (HP-2) 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>DXL-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 2" Aperture (HP-2) Wall Mount and Arm 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 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, or White Cross Blade Baffle<sup>2</sup>. Corners not available with Wall Wash (**WW-D**), Hollowed Ellipse Louver (**LHE**), Hex Louver (**LHC**), 1" Drop Down Lens (**DL**). 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.

**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**;

**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**;



### MECHANICAL/OPTICAL OPTIONS

**UPLIGHT OPTION<sup>3</sup>:** 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 OPTION<sup>4</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>5</sup>, Hollowed Ellipse Louver (**LHE**)<sup>5</sup>, Hex Louver (**LHC**)<sup>5</sup>, Downlight Asymmetric Optic (**DAO**)<sup>6</sup>, 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 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** - Hi-lume 1% EcoSystem with Soft-On, Fade-to-Black dimming (LDE1 series).

### TUNABLE WHITE DRIVER:

Replaceable LED driver. Driver is accessible from below the ceiling. 120V and 277V.

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

### LUTRON TUNABLE WHITE DRIVER OPTION:

**LUT-TW** - Lutron LD2 Dali-2 1% Tunable White (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.

**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 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. Factory choice low-profile backup battery available. 8' minimum luminaire length for low profile battery pack.

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

<sup>2</sup> White Cross Blade (WCB) baffles not available with custom angles. Available in 90 degree only

<sup>3</sup> Wall Mount Indirect/Direct, Wall Mount Regressed Indirect/Direct, and Wall Mount Indirect only

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

<sup>5</sup> Wall Mount Regressed Indirect/Direct & Wall Mount Regressed Direct only

<sup>6</sup> Not available with Regressed

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

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

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

## SPECIFICATIONS

Backup Battery		
	Legrand 18W	Legrand 10W/ Bodine BSL310LP
<b>HP2-WM-D</b>		
Min. Housing Length	8*	4'*, **
EM Lumen Output	1608	956
EM Section Illuminated	2'	2' or 4'
<b>HP2-WM-WW-D</b>		
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. The lumens are based on 835. For other CCT/CRI, refer to the Lumen Adjustment Factor table on page 10.

Backup Battery		
	Legrand 18W	Legrand 10W/ Bodine BSL310LP
<b>HP2-WM-ID</b>		
Min. Housing Length	12'	8'
EM Lumen Output	1608	956
EM Section Illuminated	2'	2' or 4'
<b>HP2-WM-I</b>		
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. The lumens are based on 835. For other CCT/CRI, refer to the Lumen Adjustment Factor table on page 13.

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 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. Minimum fixture length: Direct and Indirect with a sensor is 3ft. Indirect/Direct with a sensor is 4ft. 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. Wavelinx Sensors<sup>9</sup>: 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**)<sup>10</sup>, and Satin Aluminum (**SA**)<sup>10</sup> are available. Material Mimic options<sup>11</sup>: Gray Elm (**MM01**), White Oak (**MM02**), Teak (**MM03**), Walnut (**MM04**). Optional Adder: 179 RAL colors<sup>11</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. 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<sup>12</sup>:** ID - 2.9 lb/ft; D - 2.3 lb/ft; I - 2.3 lb/ft; AM - 2.9 lb/ft (luminaire only)

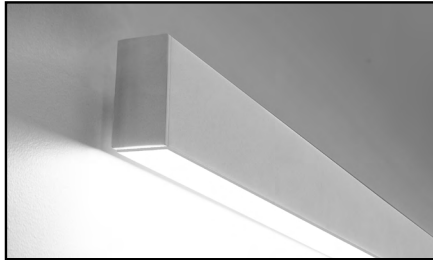
**WARRANTY:** 10-year performance-based warranty on all standard components. Optional accessories such as emergency battery packs are covered by their individual manufacturer warranties.

<sup>8</sup> Consult Finelite for Generator Transfer Device and Battery Back up fit  
<sup>9</sup> Contact Factory for more information  
<sup>10</sup> 15 business days lead time  
<sup>11</sup> 20 business days lead time for Material Mimic and color  
<sup>12</sup> Excludes Battery Back up and Generator Transfer Device weight

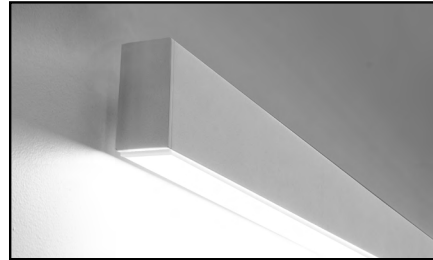
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

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

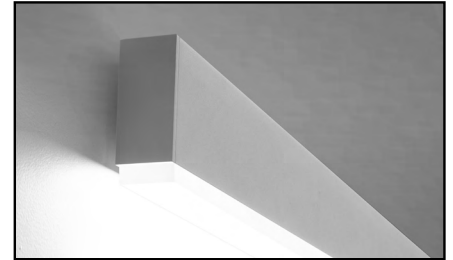
## AESTHETIC OPTIONS



Flush Diffuser (**F**)



Bottom Glow Diffuser (**BG**)



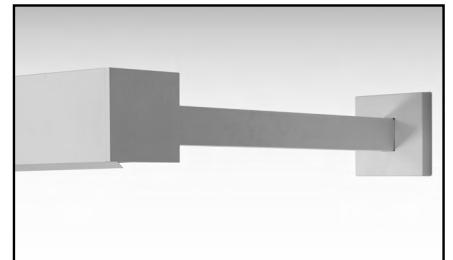
1" Drop Down Lens (**DL**)



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



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



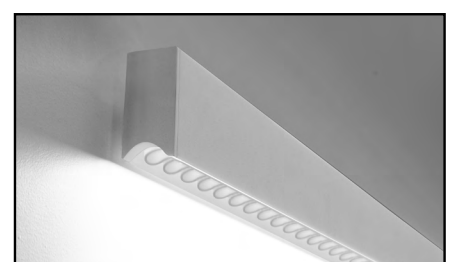
Kicker (**K**) - Wall Wash Arm Mount only



White Cross Blade Baffle<sup>2</sup> (**RG-WCB**)



Hex Louver<sup>2</sup> (**RG-LHC**)



Hollowed Ellipse Louver<sup>2</sup> (**RG-LHE**)

<sup>1</sup> With a subtle ribbed appearance providing an asymmetric distribution  
<sup>2</sup> Regressed only

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

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

## MATERIAL MIMIC OPTIONS<sup>1</sup>



Gray Elm (MM01)



White Oak (MM02)



Teak (MM03)



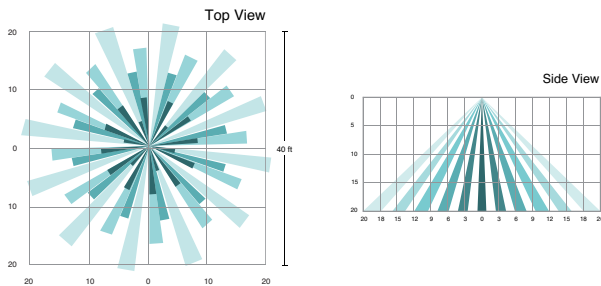
Walnut (MM04)

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.

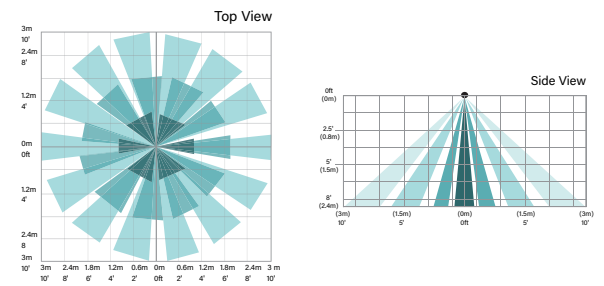
<sup>1</sup> Due to the uniqueness of Material Mimic options, color and grain pattern may vary, sample swatches are available upon request.

## OCCUPANCY SENSOR OPTIONS

FS-L3W top and side coverage patterns

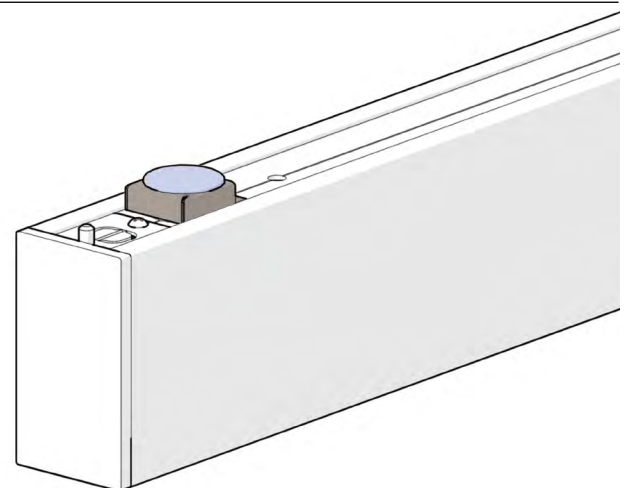


FS-L6 top and side coverage patterns



## 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.



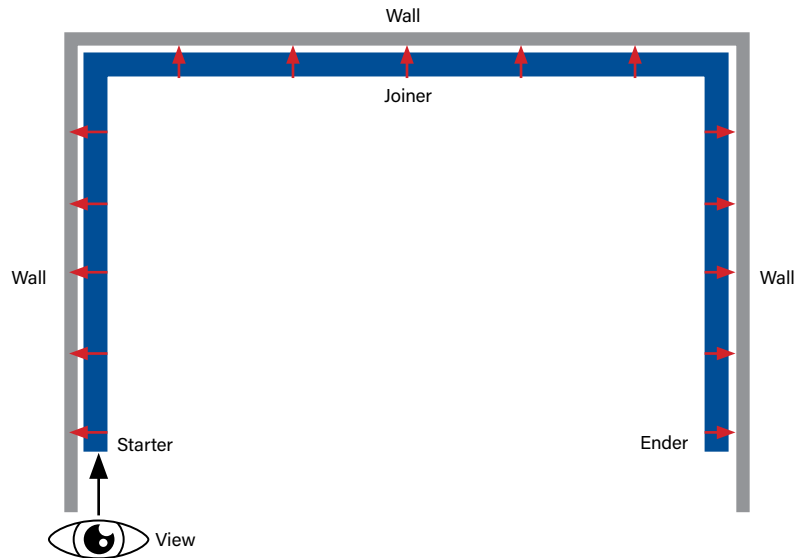
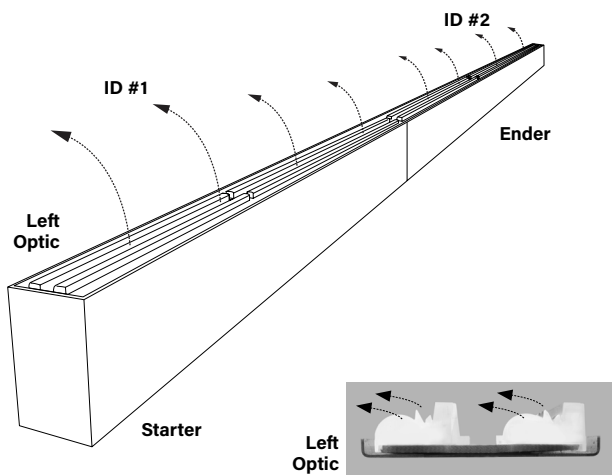
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

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

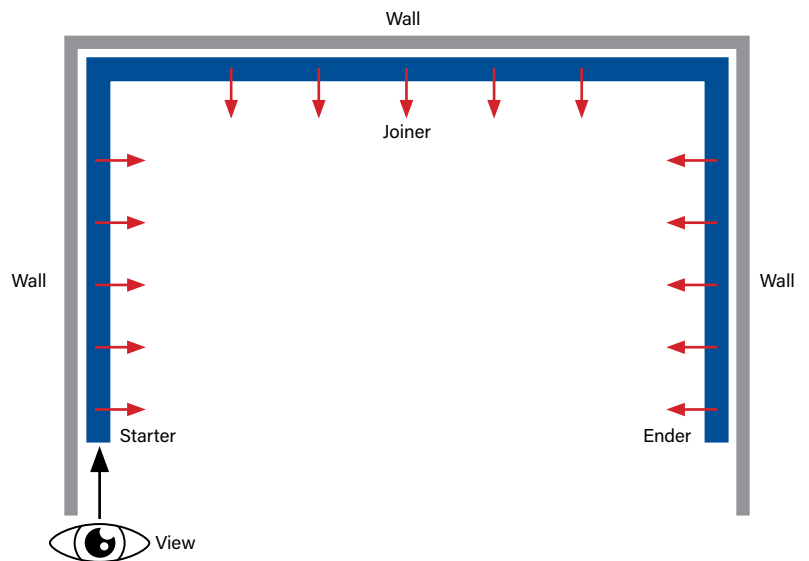
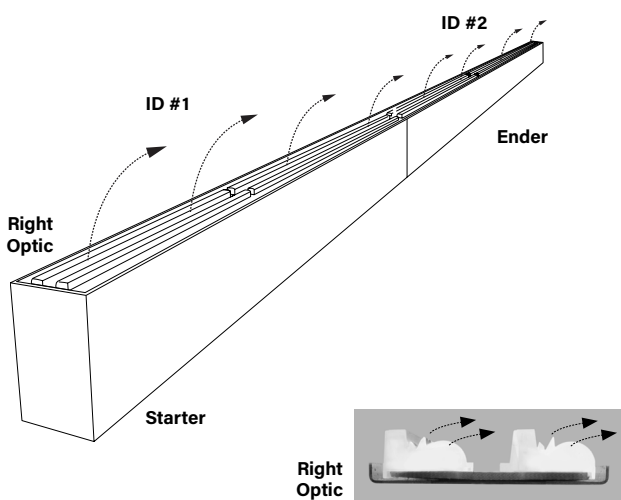
## ASYMMETRIC OPTIONS

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)**



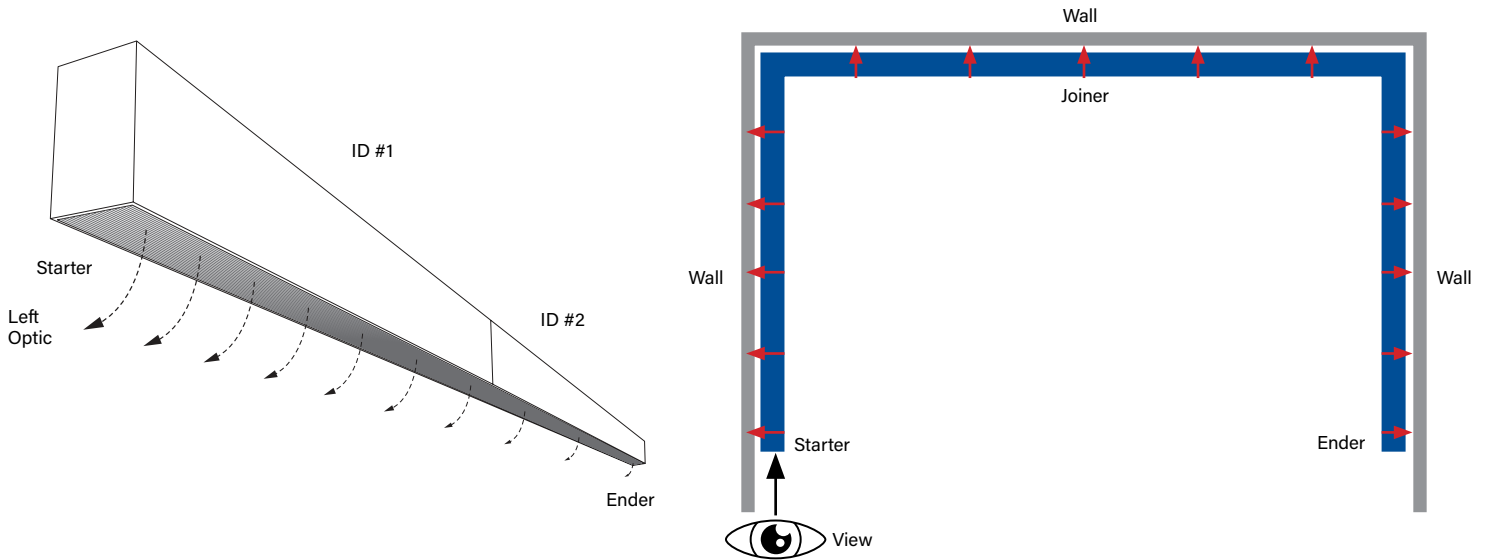
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

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

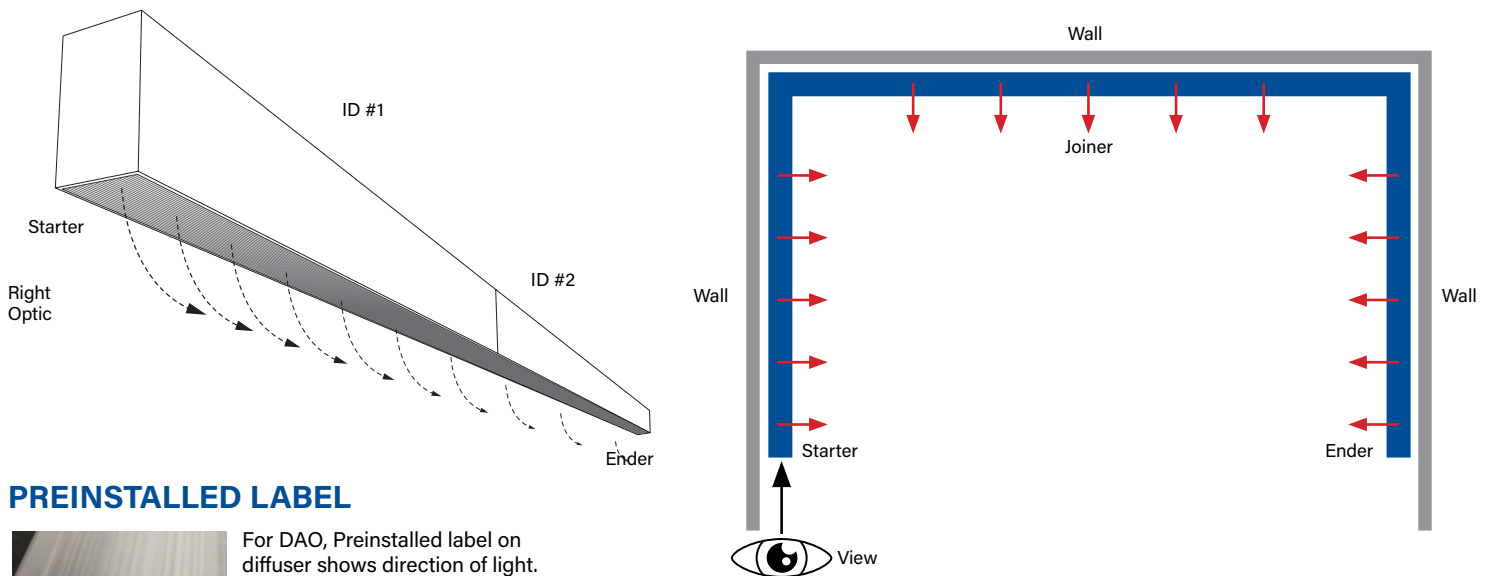
## DOWNLIGHT ASYMMETRIC OPTIONS

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

## CUSTOM CONFIGURATION TEMPLATE

 = 1 ft<sup>2</sup>

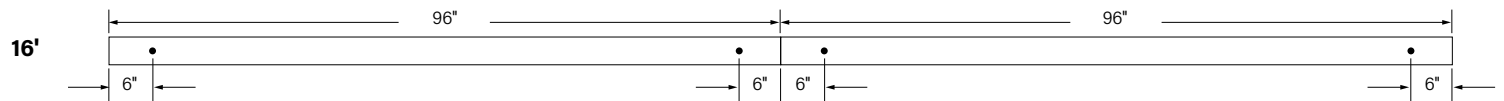
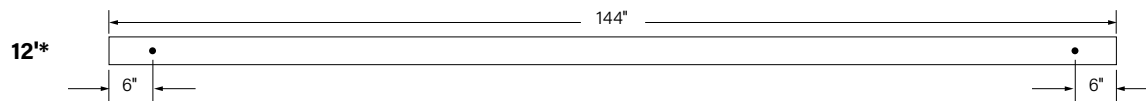
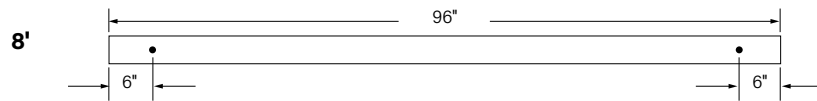
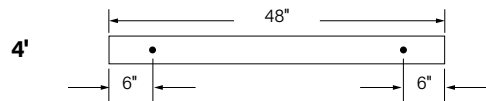
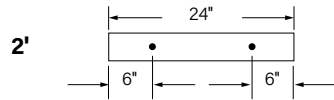


Submitted by:		Date:
Type:	Project:	
Ordering Info:		

# 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")

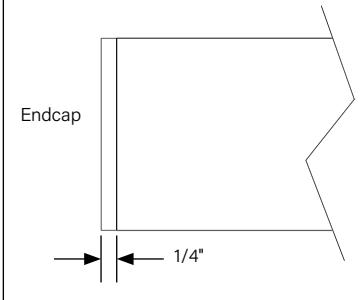


• = Bracket Location

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

### Endcaps Information

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



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

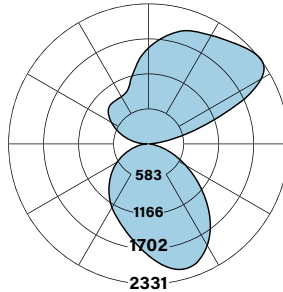
# High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

## Indirect/Direct Photometry - 4' Luminaire 3500K

### HP2-WM-ID-4'-V-V-835-ASY-R-DAO-R

**Uplight:** Asymmetric Right Optic  
**Downlight:** Downlight Asymmetric Optic - Right

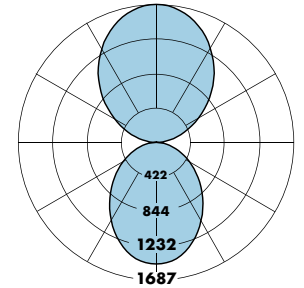
**Distribution:** 58% Up (V) / 42% Down (V)  
**Efficacy:** 119 lm/W  
**Uplight:** 4958 lumens (1240 lumens/foot)  
**Downlight:** 3590 lumens (898 lumens/foot)  
**Total luminaire output:** 8548 lumens (2137 lm/ft)  
72 watts (18 W/ft)  
**Peak Candela Value:** 2331 @ 127.5°  
CRI: 80 / CCT: 3500K



### HP2-WM-ID-V-V-835-F-F

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

**Distribution:** 58% Up (V) / 42% Down (V)  
**Efficacy:** 115 lm/W  
**Uplight:** 4786 lumens (1197 lumens/foot)  
**Downlight:** 3466 lumens (867 lumens/foot)  
**Total luminaire output:** 8252 lumens (2063 lm/ft)  
73.8 watts (18.5 W/ft)  
**Peak Candela Value:** 1687 @ 180°  
CRI: 80 / CCT: 3500K



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>					
↓S <sup>1</sup>	3434	158%	↓42%	4000	164%	↓36%	5331	173%	↓27%	6389	177%	↓23%
↓B <sup>1</sup>	3848	152%	↓48%	4414	158%	↓42%	5745	168%	↓32%	6803	173%	↓27%
↓H <sup>1</sup>	4820	141%	↓59%	5387	147%	↓53%	6718	158%	↓42%	7775	164%	↓36%
↓V <sup>2</sup>	5593	135%	↓65%	6160	141%	↓59%	7491	152%	↓48%	8548	158%	↓42%

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>					
↓S <sup>1</sup>	3315	158%	↓42%	3862	164%	↓36%	5148	173%	↓27%	6170	177%	↓23%
↓B <sup>1</sup>	3714	152%	↓48%	4261	158%	↓42%	5548	168%	↓32%	6569	173%	↓27%
↓H <sup>1</sup>	4652	141%	↓59%	5199	147%	↓53%	6486	158%	↓42%	7507	164%	↓36%
↓V <sup>2</sup>	5397	136%	↓64%	5944	141%	↓59%	7230	152%	↓48%	8252	158%	↓42%

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

	1S <sup>1</sup>	1B <sup>1</sup>	1H <sup>1</sup>	1V <sup>2</sup>
↓S <sup>1</sup>	858	1000	1333	1597
↓B <sup>1</sup>	962	1104	1436	1701
↓H <sup>1</sup>	1205	1347	1680	1944
↓V <sup>2</sup>	1398	1540	1873	2137

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

	1S <sup>1</sup>	1B <sup>1</sup>	1H <sup>1</sup>	1V <sup>2</sup>
↓S <sup>1</sup>	829	966	1287	1543
↓B <sup>1</sup>	929	1065	1387	1642
↓H <sup>1</sup>	1163	1300	1621	1877
↓V <sup>2</sup>	1349	1486	1808	2063

Power, 3500K (Watts Per Foot)

	1S <sup>1</sup>		1B <sup>1</sup>		1H <sup>1</sup>		1V <sup>2</sup>	
	120V	270V	120V	270V	120V	270V	120V	270V
↓S <sup>1</sup>	7.0	7.5	8.0	8.5	10.4	10.7	12.5	12.7
↓B <sup>1</sup>	8.0	8.5	9.0	9.4	11.4	11.6	13.5	13.7
↓H <sup>1</sup>	10.4	10.7	11.4	11.6	13.7	13.8	15.8	15.9
↓V <sup>2</sup>	12.5	12.7	13.5	13.7	15.8	15.9	17.9	18.0

Power, 3500K (Watts Per Foot)

	1S <sup>1</sup>		1B <sup>1</sup>		1H <sup>1</sup>		1V <sup>2</sup>	
	120V	270V	120V	270V	120V	270V	120V	270V
↓S <sup>1</sup>	7.0	7.5	8.0	8.5	10.4	10.7	12.5	12.7
↓B <sup>1</sup>	8.0	8.5	9.0	9.4	11.4	11.6	13.5	13.7
↓H <sup>1</sup>	10.4	10.7	11.4	11.6	13.7	13.8	15.8	15.9
↓V <sup>2</sup>	12.5	12.7	13.5	13.7	15.8	15.9	17.9	18.0

Efficacy, 3500K, 80 CRI (Lumens Per Watt) 120 | 277

	1S <sup>1</sup>		1B <sup>1</sup>		1H <sup>1</sup>		1V <sup>2</sup>	
	120V	270V	120V	270V	120V	270V	120V	270V
↓S <sup>1</sup>	123	115	125	118	129	125	128	126
↓B <sup>1</sup>	120	114	123	117	127	124	126	124
↓H <sup>1</sup>	116	113	119	116	123	122	123	122
↓V <sup>2</sup>	112	110	115	113	119	118	119	119

Efficacy, 3500K, 80 CRI (Lumens Per Watt) 120 | 277

	1S <sup>1</sup>		1B <sup>1</sup>		1H <sup>1</sup>		1V <sup>2</sup>	
	120V	270V	120V	270V	120V	270V	120V	270V
↓S <sup>1</sup>	118	111	121	114	124	121	124	121
↓B <sup>1</sup>	116	110	119	113	122	120	122	120
↓H <sup>1</sup>	112	109	115	112	118	118	119	118
↓V <sup>2</sup>	108	106	111	109	114	114	115	115

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. 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:** 5331 lm x 0.789 = 4206 lm  
**Total Light Output per Foot:** 1333 lm/ft x 0.789 = 1052 lm/ft.  
**watts/foot:** 10.4 W/ft.

$$\text{Efficacy} = \frac{1052 \frac{\text{lm}}{\text{ft.}}}{10.4 \frac{\text{W}}{\text{ft.}}} = 101 \text{ lm/W}$$

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-WM-ID-V-V-835-WSO-F

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

**Distribution:** 58% Up (V) / 42% Down (V)

**Efficacy:** 117 lm/W

**Uplight:** 4840 lumens (1210 lumens/foot)

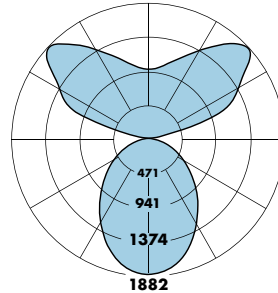
**Downlight:** 3504 lumens (876 lumens/foot)

**Total luminaire output:** 8344 lumens (2086 lm/ft)

72 watts (18.0 W/ft)

**Peak Candela Value:** 1882 @ 0°

CRI: 80 / CCT: 3500K



### 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>	3352	↑58%	↓42%	3910	↑64%	↓36%	5221	↑73%	↓27%	6262	↑78%	↓22%
↓B <sup>1</sup>	3751	↑52%	↓48%	4309	↑58%	↓42%	5620	↑68%	↓32%	6661	↑73%	↓27%
↓H <sup>1</sup>	4689	↑42%	↓58%	5247	↑48%	↓52%	6558	↑58%	↓42%	7599	↑64%	↓36%
↓V <sup>2</sup>	5434	↑36%	↓64%	5992	↑42%	↓58%	7303	↑52%	↓48%	8344	↑58%	↓42%

### 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>	838	977	1305	1566
↓B <sup>1</sup>	938	1077	1405	1665
↓H <sup>1</sup>	1172	1312	1640	1900
↓V <sup>2</sup>	1359	1498	1826	2086

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

	↑S <sup>1</sup>		↑B <sup>1</sup>		↑H <sup>1</sup>		↑V <sup>2</sup>	
	120V	270V	120V	270V	120V	270V	120V	270V
↓S <sup>1</sup>	7.0	7.5	8.0	8.5	10.4	10.7	12.5	12.7
↓B <sup>1</sup>	8.0	8.5	9.0	9.4	11.4	11.6	13.5	13.7
↓H <sup>1</sup>	10.4	10.7	11.4	11.6	13.7	13.8	15.8	15.9
↓V <sup>2</sup>	12.5	12.7	13.5	13.7	15.8	15.9	17.9	18.0

### Efficacy, 3500K, 80 CRI (Lumens Per Watt) 120 | 277

	↑S <sup>1</sup>		↑B <sup>1</sup>		↑H <sup>1</sup>		↑V <sup>2</sup>	
	120V	270V	120V	270V	120V	270V	120V	270V
↓S <sup>1</sup>	120	112	122	116	126	123	126	123
↓B <sup>1</sup>	117	111	120	115	124	121	124	122
↓H <sup>1</sup>	113	110	116	113	120	119	120	120
↓V <sup>2</sup>	109	107	111	110	116	115	117	116

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

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:** 5221 lm x 0.789 = 4119 lm  
**Total Light Output per Foot:** 1305 lm/ft x 0.789 = 1030 lm/ft.  
**watts/foot:** 10.4 W/ft.

$$\text{Efficacy} = \frac{1030 \frac{\text{lm}}{\text{ft.}}}{10.4 \frac{\text{W}}{\text{ft.}}} = 99 \text{ lm/W}$$

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

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

## Direct Photometry - 4' Luminaire 3500K

### HP2-WM-D-4'-V-835-DSO

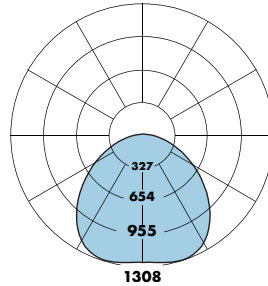
**Downlight:** Downlight Spread Optic

**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



### HP2-WM-D-V-835-F

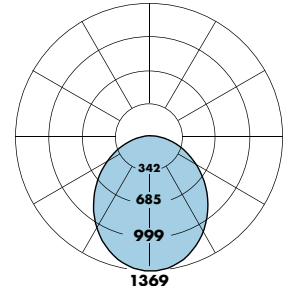
**Downlight:** Flush Diffuser

**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 <sup>1</sup>	↓B <sup>1</sup>	↓H <sup>1</sup>	↓V <sup>2</sup>
1406	1807	2750	3499

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

↓S <sup>1</sup>	↓B <sup>1</sup>	↓H <sup>1</sup>	↓V <sup>2</sup>
351	452	688	875

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

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

#### 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>
1398	1797	2735	3480

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

↓S <sup>1</sup>	↓B <sup>1</sup>	↓H <sup>1</sup>	↓V <sup>2</sup>
350	449	684	870

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

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

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:** 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.

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

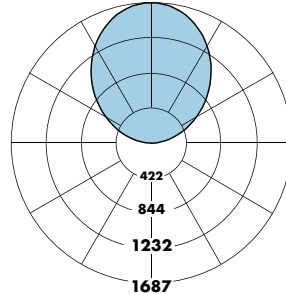
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

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

## Indirect Photometry - 4' Luminaire 3500K

**HP2-WM-I-V-835-F**  
**Uplight:** Flush Diffuser

**Efficacy:** 133 lm/W  
**Total luminaire output:** 4772 lumens (1193 lm/ft)  
36 watts (9 W/ft)  
**Peak Candela Value:** 1687 @ 180°  
CRI: 80 / CCT: 3500K



### 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>
1917	2464	3750	4772

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

↓S <sup>1</sup>	↓B <sup>1</sup>	↓H <sup>1</sup>	↓V <sup>2</sup>
479	616	938	1193

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

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

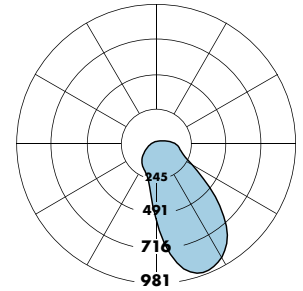
↓S <sup>1</sup>		↓B <sup>1</sup>		↓H <sup>1</sup>		↓V <sup>2</sup>	
120V	270V	120V	270V	120V	270V	120V	270V
137	128	137	131	137	136	133	133

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

## Wall Wash Photometry - 4' Luminaire 3500K

**HP2-WM-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 <sup>1</sup>	↓B <sup>1</sup>	↓H <sup>1</sup>	↓V <sup>2</sup>
680	881	1349	1727

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

↓S <sup>1</sup>	↓B <sup>1</sup>	↓H <sup>1</sup>	↓V <sup>2</sup>
170	220	337	432

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

↓S <sup>1</sup>		↓B <sup>1</sup>		↓H <sup>1</sup>		↓V <sup>2</sup>	
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 <sup>1</sup>		↓B <sup>1</sup>		↓H <sup>1</sup>		↓V <sup>2</sup>	
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. 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:** 3750 lm x 0.789 = 2959 lm  
**Total Light Output per Foot:** 938 lm/ft x 0.789 = 740 lm/ft.  
**watts/foot:** 6.9 W/ft.

$$\text{Efficacy} = \frac{740 \frac{\text{lm}}{\text{ft.}}}{6.9 \frac{\text{W}}{\text{ft.}}} = 107 \text{ lm/W}$$

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

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

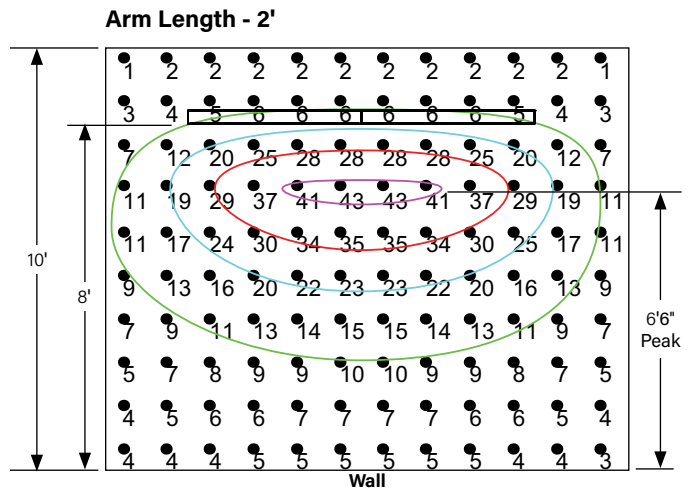
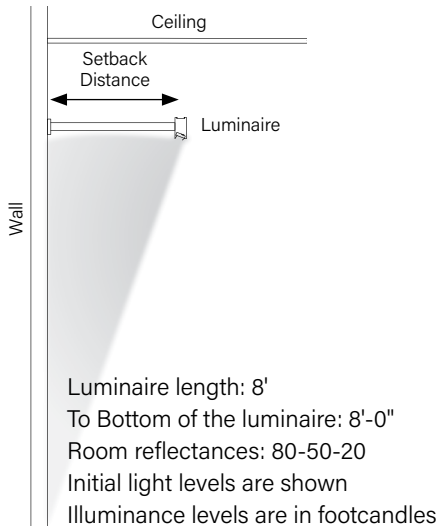
## Wall Wash Direct - Setback Info and Application Data

**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



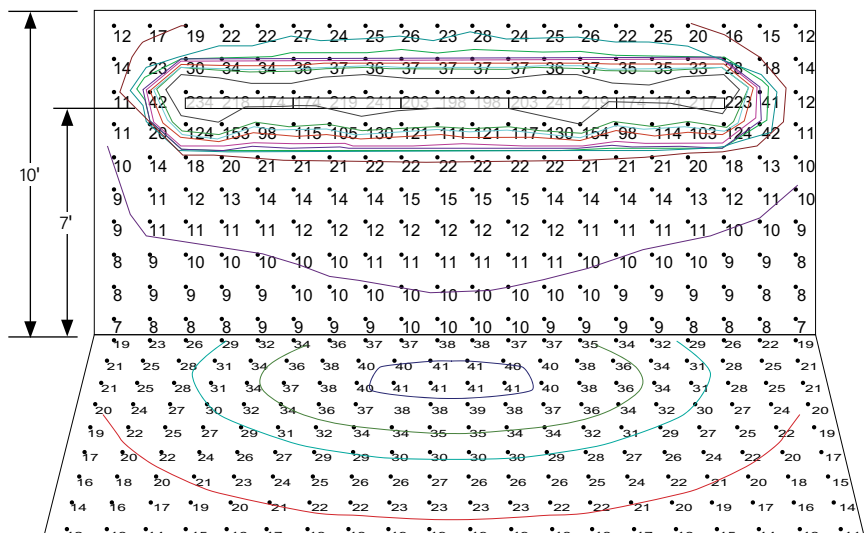
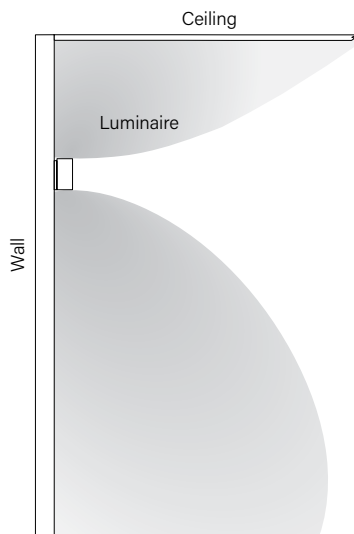
## Downlight Asymmetric Optic - Setback Info and Application Data

**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 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

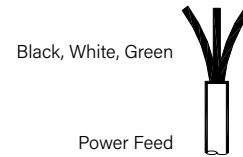
**Note:**

Dim to Off options available.

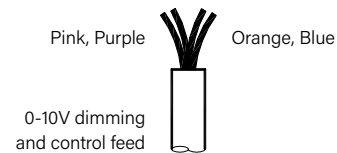
## LUMINAIRE FAMILY MODIFICATIONS/RESTRICTIONS

Wall 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)							✓		✓		✓	
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.											

## DUAL FEED DETAIL



WIRING LEGEND		
<b>Black</b>	Hot	Line Voltage
<b>White</b>	Neutral	Line Voltage
<b>Green</b>	Ground	



WIRING LEGEND		
<b>Pink</b>	Dimming	0-10V DC
<b>Purple</b>	Dimming	0-10V DC
<b>Orange</b>	TW	0-10V DC
<b>Blue</b>	TW	0-10V DC

## PHOTOMETRY

Apply a power adjustment factor to calculate wattage usage

POWER	CONVERSION FACTOR
	<b>1.1X</b>

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

