

# FINELITE High Performance 2" Aperture (HP-2) - Wall Mount Indirect/Direct

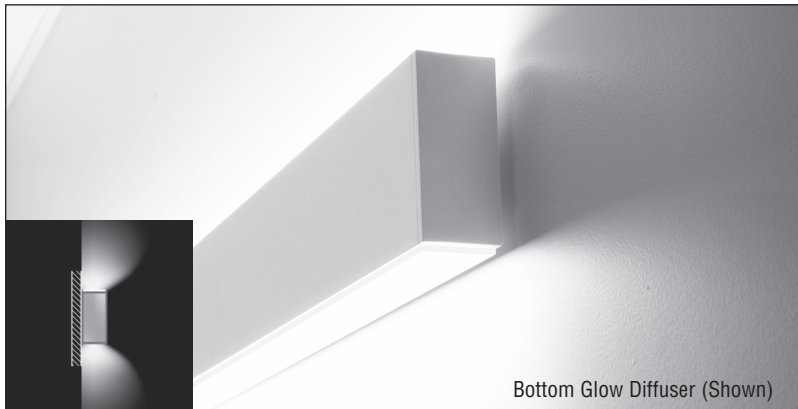


Date

Project

Type

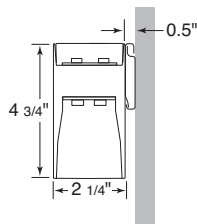
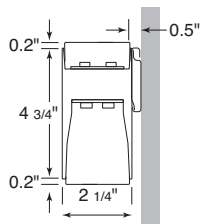
Comments



## DESCRIPTION

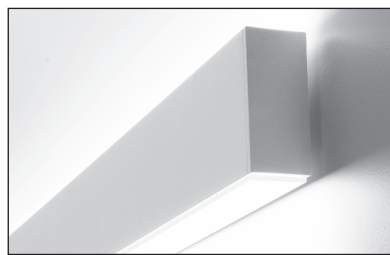
High Performance 2" Aperture Wall Mount Indirect/Direct (HP-2 WM-ID) is a patented, linear LED luminaire with Flush, Top Glow™ and Bottom Glow™ options for up- and downlight. The micro shape delivers excellent performance using an advanced optical design and mid-power LEDs to achieve 90% of initial light output at 100,000 hours.

### Top Glow Diffuser (Standard)



### Bottom Glow Diffuser (Optional)

### Flush Uplight and Downlight Diffuser (Standard)



## Tailored Lighting 10 working days

### TAILORED LIGHTING

Any length greater than 2 feet, in increments down to 1/16th-inch (± 1/32") and 90-degree mitered corners in a single plane.

## DIMENSIONS & LIGHT ENGINE

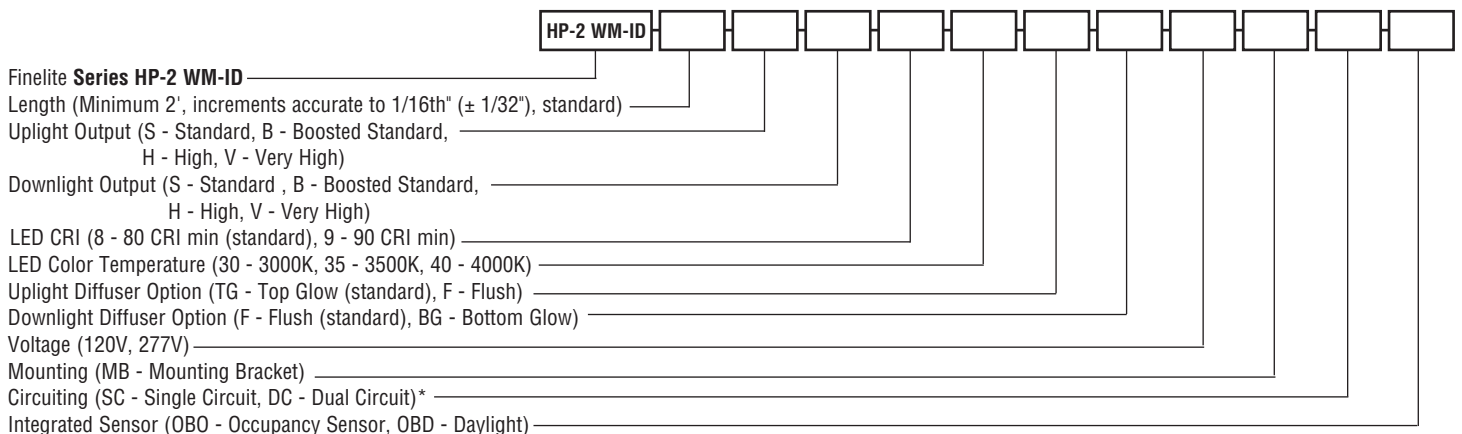
A glare-free experience is attained with mid-power LEDs and a precise diffuser to eliminate pixilation.

### BOTTOM GLOW DIFFUSER

The optional Bottom Glow diffuser adds a clean line of light along the downlight element.

## ORDERING GUIDE

Sample Number: HP-2 WM-ID - 32' - S - H - 8 - 35 - TG - F - 120V - MB - SC - OBO



\* Contact factory for switching options. **Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732; D727,554 S; D727,550 S, D727,551 S**

Finelite, Inc. • 30500 Whipple Road • Union City, CA 94587-1530 • 510 / 441-1100 • Fax: 510 / 441-1510 • www.finelite.com

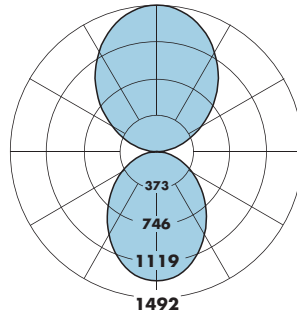
*Due to continuing product improvements, Finelite reserves the right to change specifications without notice. Please visit www.finelite.com for most current data.*

© 2016 FINELITE, INC. ALL RIGHTS RESERVED. Form OTK0116\_08/16

# FINELITE High Performance 2" Aperture (HP-2) - Wall Mount Indirect/Direct

## PHOTOMETRY

Very High Output/ Very High Output - 4' Luminaire  
 Distribution: 55% Up (V) / 45% Down (V)  
 Efficacy: 94.7 lumens per watt  
 Uplight: 3843 lumens (961 lumens/foot)  
 Downlight: 3145 lumens (786 lumens/foot)  
 Total luminaire output: 6988 lumens (1747 lumens/foot)  
 73.8 watts (18.5 watts/foot)  
 CCT: 3500K  
 ITL LM79 Report 85132



	0.0	22.5	45	67.5	90	Flux
0	1314	1314	1314	1314	1314	
5	1306	1307	1305	1304	1304	124
15	1241	1233	1231	1225	1220	346
25	1114	1098	1089	1076	1064	501
35	942	925	910	887	877	568
45	749	734	718	693	683	552
55	553	542	526	506	499	470
65	368	360	349	337	332	346
75	203	198	192	187	184	204
85	60	59	58	57	55	64
90	0	0	0	0	0	
95	71	68	68	69	70	77
105	244	241	236	235	234	252
115	442	439	437	427	425	431
125	661	649	653	643	638	581
135	884	871	875	866	866	673
145	1099	1084	1088	1084	1077	679
155	1283	1268	1275	1269	1263	585
165	1415	1405	1408	1406	1403	396
175	1482	1482	1482	1482	1481	141
180	1492	1492	1492	1492	1492	

↑ Indirect      ↓ Direct

	↑S*	↑B*	↑H*	↑V**
↓S*	2861 [↑55%   45%↓]	3262 [↑60%   40%↓]	4265 [↑70%   30%↓]	5113 [↑75%   25%↓]
↓B*	3195 [↑49%   51%↓]	3596 [↑55%   45%↓]	4600 [↑65%   35%↓]	5447 [↑70%   30%↓]
↓H*	4030 [↑39%   61%↓]	4432 [↑44%   56%↓]	5435 [↑55%   45%↓]	6282 [↑61%   39%↓]
↓V*	4736 [↑33%   67%↓]	5137 [↑38%   62%↓]	6141 [↑48%   52%↓]	6988 [↑55%   45%↓]

3000K	0.985
3500K	1.000
4000K	1.032

3000K	0.746
3500K	0.760
4000K	0.789

Apply a lumen adjustment factor to calculate lumens for the desired CCT and CRI.

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

	↑S*	↑B*	↑H*	↑V**
↓S*	7.2	8.2	10.7	12.8
↓B*	8.2	9.2	11.7	13.8
↓H*	10.7	11.6	14.2	16.3
↓V*	12.8	13.8	16.3	18.5

	↑S*	↑B*	↑H*	↑V**
↓S*	98.8	99.4	99.8	99.6
↓B*	97.4	97.8	98.6	98.6
↓H*	94.3	95.2	96.0	96.3
↓V*	92.2	93.0	94.2	94.7

\* Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.  
 \*\* Correlation based on ITL report: 85132  
 S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732; D727,554 S; D727,550 S, D727,551 S

Finelite, Inc. • 30500 Whipple Road • Union City, CA 94587-1530 • 510 / 441-1100 • Fax: 510 / 441-1510 • www.finelite.com

Due to continuing product improvements, Finelite reserves the right to change specifications without notice. Please visit www.finelite.com for most current data.

**SAMPLE LUMEN ADJUSTMENT CALCULATION**

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

Lumen Adjustment Factor = 0.789

Total Light Output =  
 4266 lm x 0.789 = 3366 lm

Total Light Output per Foot =  
 1067 lm/ft x 0.789 = 841 lm/ft

watts/foot = 10.7 W/ft

$$\text{Efficacy} = \frac{841 \frac{\text{lm}}{\text{ft}}}{10.7 \frac{\text{W}}{\text{ft}}} = 78.6 \text{ lm/W}$$



# FINELITE High Performance 2" Aperture (HP-2) - Wall Mount Indirect/Direct

## SPECIFICATIONS

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

**ENDCAPS:** Flat diecast aluminum endcaps add 0.25" to each end of luminaire.

**MITERED CORNER:** Illuminated 90° corners in a single plane, with Top Glow™ or Flush uplight diffuser, and/or Flush downlight diffuser, standard. Custom angles are available (90° minimum on inside corners), contact factory.

**REFLECTORS:** Die-formed 24-gauge cold-rolled steel reflectors are finished in 96 LG high reflectance matte white powder coat paint.

**UPLIGHT DIFFUSER:** 12' maximum lens length. Top Glow frost white lens standard, 73% transmissive, 99% diffusion. Internal secondary diffusers at corners ensure visually seamless, uniform, continuous illumination. Optional: Flush frost white snap-in lens, 73% transmissive, 99% diffusion.

**DOWNLIGHT DIFFUSER:** 12' maximum lens length. Flush frost white snap-in lens standard, 73% transmissive, 99% diffusion. Internal secondary diffusers at corners ensure visually seamless, uniform, continuous illumination. Optional: Bottom Glow™ frost white snap-in lens option, 73% transmissive, 99% diffusion.

**LIGHT OUTPUT:** Four lumen packages available, Standard Output (S), Boosted Standard Output (B), High Output (H), and Very High Output (V). A separate chart summarizes lumen distribution and wattage. Light engines are replaceable.

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

**DRIVER:** Replaceable 120V/277V Constant Current Reduction dimming driver standard. Can be wired dimming or non-dimming. 0-10V dimming controls with a range of 10%- 100%. Dimming to 1% available; consult factory. For lengths 3 feet and greater, 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:** Lut3W-3-wire, LutES-EcoSystem, Lut2W-2-wire.

**ELECTRICAL:** Optional emergency to generator/inverter wiring, internal generator transfer switch, nightlight wiring, step-dimming driver, backup battery. Factory-choice low-profile backup battery available. 12' minimum luminaire length for low profile battery pack. Backup batteries deliver 1000 lumens. Half of a 4' section will be illuminated in emergency mode.



**INTEGRATED SENSORS:** Integrated PIR (Passive Infrared) occupancy and/or daylight sensors available with Flush and Bottom Glow downlight diffusers. Refer to Occupancy Sensor and Daylight Sensor tech sheets for more info.

**MOUNTING:** Luminaire hangs securely from mounting brackets fastened directly to the wall for easy installation. Luminaire stands 0.5" off the wall. The mounting bracket is concealed behind the luminaire.

**FINISHES:** Finelite Signal White powder coat standard. Optional Adders: 185 Tiger Drylac's RAL colors.

**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.

**LENGTHS:** Any length, 2-foot minimum, in increments down to 1/16th-inch (± 1/32"). 12-foot maximum section length.

**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 410.73 (G), this luminaire contains an internal driver disconnect. Damp Location. Finelite products use electronic components that are RoHS compliant, and the mechanical components of the luminaire have been verified to not knowingly contain any restricted substances listed per RoHS Directive 2002/95/EC.

**WEIGHT:** 2.9 lb/ft.

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

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732; D727,554 S; D727,550 S, D727,551 S

Finelite, Inc. • 30500 Whipple Road • Union City, CA 94587-1530 • 510 / 441-1100 • Fax: 510 / 441-1510 • www.finelite.com

Due to continuing product improvements, Finelite reserves the right to change specifications without notice. Please visit www.finelite.com for most current data.