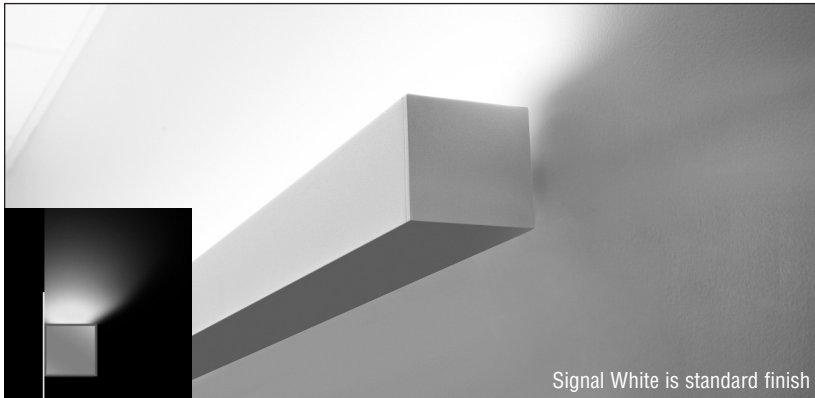


# FINELITE High Performance 4" Aperture (HP-4) - Wall Mount Indirect



Signal White is standard finish

## DESCRIPTION

High Performance 4" Aperture Wall Mount Indirect (HP-4 WM-I) is a patented, linear LED luminaire with Flush and Top Glow™ options for the uplight. Advanced optical design and mid-power LEDs deliver an efficient, long-lasting luminaire free of glare and socket shadows for single and continuous lighting applications.

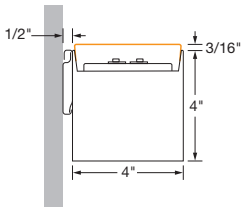
Date

Project

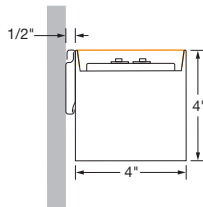
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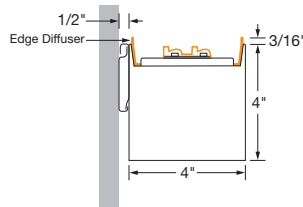
**Top Glow Diffuser (Standard)**



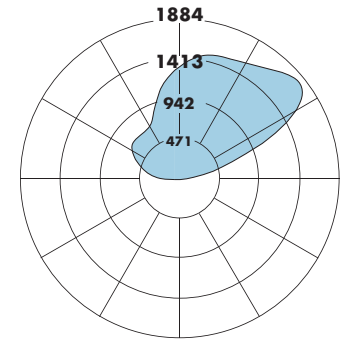
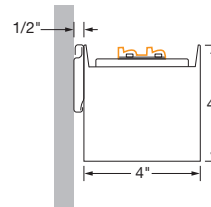
**Flush Uplight**



**Asymmetric Optic with Top Glow**



**Asymmetric Optic**



## DIMENSIONS & DIFFUSER

The patented Top Glow diffuser is standard and provides an added architectural element

## ORDERING GUIDE: Sample Number: HP-4 WM I - 32' - S - 835 - TG - 120V - MB - SC - OBO

Finelite **HP-4 WM-I** \_\_\_\_\_

Length (Minimum 2', increments accurate to 1/16th" (± 1/32"), standard) \_\_\_\_\_

Uplight Output (**S** - Standard, **B** - Boosted Standard, **H** - High, **V** - Very High) \_\_\_\_\_

LED CRI/CCT (**830** - 80 CRI min, 3000K    **930** - 90 CRI min, 3000K \_\_\_\_\_  
**835** - 80 CRI min, 3500K    **935** - 90 CRI min, 3500K \_\_\_\_\_  
**840** - 80 CRI min, 4000K    **940** - 90 CRI min, 4000K \_\_\_\_\_)

Uplight Option (**TG** - Top Glow (standard), **F** - Flush, **ASY-R** - Asymmetric Right Optic, \_\_\_\_\_  
**ASYTG-R** - Asymmetric Right Optic with Top Glow)

Voltage (**120V**, **277V**, **347V**) \_\_\_\_\_

Mounting (**MB** - Mounting Bracket) \_\_\_\_\_

Circuiting (**SC** - Single Circuit) <sup>1</sup> \_\_\_\_\_

Integrated Sensor <sup>2</sup> (**OBO** - Occupancy Sensor, **OBD** - Daylight) \_\_\_\_\_

<sup>1</sup> Contact factory for switching options.

<sup>2</sup> Available with Flush (F)

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

A brand of Legrand

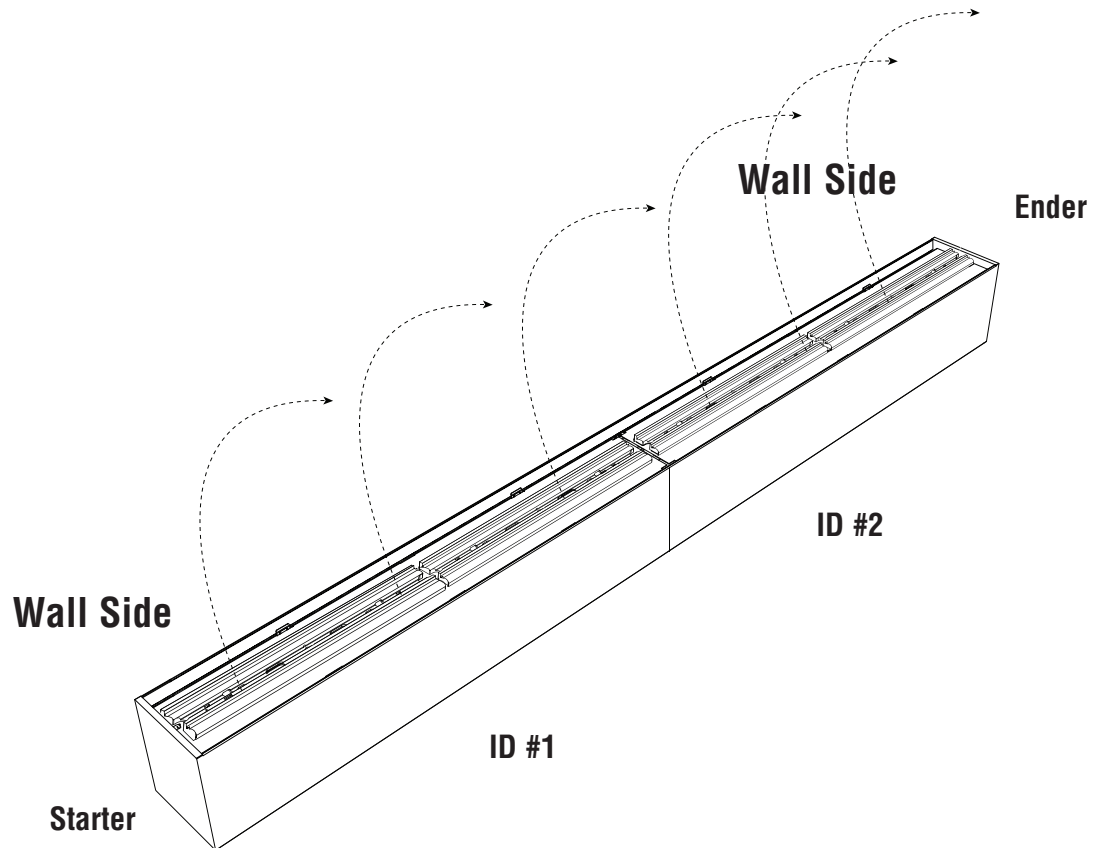
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# FINELITE High Performance 4" Aperture (HP-4) - Wall Mount Indirect

## ASYMMETRIC

Use this tool to understand how to specify Asymmetric for your project. The diagram below shows a linear run from power feed to end. Specify ASY-L to have the optic distribute to the left or ASY-R to distribute it right.

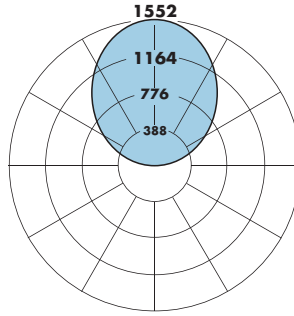
### Asymmetric Right Optic (ASY-R)



# FINELITE High Performance 4" Aperture (HP-4) - Wall Mount Indirect

## PHOTOMETRY

HP-4-I-V-835  
 Very High Output - 4' Luminaire  
 Efficacy (Lumen per watt): 112  
 Total luminaire output: 4114 Lumens (1029 lumens/foot)  
 36.8 Watts (9.2 watts/foot)  
 Peak Candela Value: 1552 @ 180°  
 CCT: 3500K  
 CRI: 80  
 ITL LM79 Report ITL85127



CANDLEPOWER SUMMARY						
	0.0	22.5	45	67.5	90	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*	B*	H*	V**
1684	2117	3200	4114

Lumen Adjustment Factors - 80 CRI	
3000K	0.985
3500K	1.000
4000K	1.032

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
S*	B*	H*	V**
421	529	800	1029

Lumen Adjustment Factors - 90 CRI	
3000K	0.746
3500K	0.760
4000K	0.789

Power (Watts Per Foot)			
S*	B*	H*	V**
3.6	4.6	7.1	9.2

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

Efficacy, 3500K, 80 CRI (Lumens Per Watt)			
S*	B*	H*	V**
117	116	114	112

### SAMPLE LUMEN ADJUSTMENT CALCULATION

High Output (H), 4000K, 90 CRI

Lumen Adjustment Factor = 0.789

$$\text{Total Light Output} = 3200 \text{ lm} \times 0.789 = 2525 \text{ lm}$$

$$\text{Total Light Output per Foot} = 800 \text{ lm/ft} \times 0.789 = 631 \text{ lm/ft}$$

$$\text{watts/foot} = 7.1 \text{ W/ft}$$

$$\text{Efficacy} = \frac{631 \frac{\text{lm}}{\text{ft}}}{7.1 \frac{\text{W}}{\text{ft}}} = 89 \text{ lm/W}$$

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

\* Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.

\*\* Based on ITL report: 85127

# FINELITE High Performance 4" Aperture (HP-4) - Wall Mount Indirect

## PHOTOMETRY - ASYMMETRIC OPTIC (ASY)

HP-4-I-V-835-ASYM-R

Very High Output - 4' Luminaire

Efficacy: 120 lumens per watt

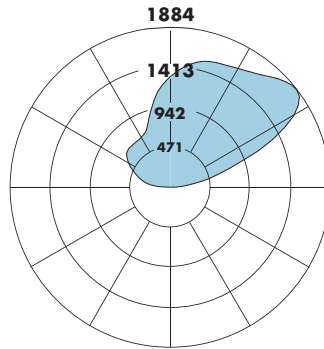
Total Luminaire Output: 4436 lumens (1109 lumens/foot)  
36.8 watts (9.2 watts/foot)

CCT: 3500K

CRI: 80

ITL LM79 Report 89988.604

(Family correlated file)



CANDELA DISTRIBUTION						
	0.0	45	90	135	180	Flux
90	0	0	0	0	0	0
95	142	146	57	141	175	147
105	582	647	207	294	355	431
115	1335	1134	369	414	493	692
125	1861	1288	545	504	620	797
135	1803	1318	724	574	667	745
145	1657	1367	909	644	668	642
155	1581	1432	1084	783	706	513
165	1537	1446	1220	1009	910	345
175	1401	1366	1293	1225	1196	123
180	1302	1302	1302	1302	1302	

## ASYMMETRIC OPTIC

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
S*	B*	H*	V**
1816	2283	3450	4436

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
S*	B*	H*	V**
454	571	863	1109

Power, 3500K, 80 CRI (Watts Per Foot)			
S*	B*	H*	V**
3.6	4.6	7.1	9.2

Efficacy, 3500K, 80 CRI (Lumens Per Watt)			
S*	B*	H*	V**
126	124	122	120

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

\* Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V

\*\* Based on ITL report: 89988

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

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

### SAMPLE LUMEN ADJUSTMENT CALCULATION

High Output (H), 4000K, 90 CRI

Lumen Adjustment Factor = 0.789

$$\text{Total Light Output} = 3450 \text{ lm} \times 0.789 = 2722 \text{ lm}$$

$$\text{Total Light Output per Foot} = 863 \text{ lm/ft} \times 0.789 = 681 \text{ lm/ft}$$

$$\text{watts/foot} = 7.1 \text{ W/ft}$$

$$\text{Efficacy} = \frac{681 \frac{\text{lm}}{\text{ft}}}{7.1 \frac{\text{W}}{\text{ft}}} = 96 \text{ lm/W}$$



# FINELITE High Performance 4" Aperture (HP-4) - Wall Mount Indirect

## SPECIFICATIONS

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

**MITERED CORNER:** Illuminated 90° corners in a single plane with Top Glow™ and Flush uplight diffuser options. Custom angles are available (90° minimum on inside corners). Contact factory.

**ENDCAPS:** Flat diecast aluminum endcaps add 1/4" to each end of luminaire.

**REFLECTORS:** Die-formed 20-gauge cold-rolled steel reflectors are finished in 96 LG high reflectance matte white powder coat paint.

**UPLIGHT OPTIONS:** 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; Asymmetric optic directs light in a specific direction. **ASY-R** distributed light to the right of the luminaire. See page 2.

**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 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%. Dimming to 1% available; consult factory. Driver is fully accessible from below the ceiling. Power Factor: 0.9. Total Harmonic Distortion (THD) <20%. Expected driver lifetime: 100,000 hours. Dali driver also available; Contact factory.

**LUTRON DRIVER OPTIONS:** **LUTES1** (Hi-lume 1% EcoSystem with Soft-On, Fade to Black dimming (LDE1 series)); **LUTES5** (5-Series 5% EcoSystem (LDE5 Series)), **LUT2W** (Hi-lume 1% 2-wire, 120V forward phase dimming (LTEA series)); Contact factory for availability of discontinued Lutron drivers, L3DA-3-wire and L3DA EcoSystem.

**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. 8' minimum fixture length for low profile battery pack. Bodine BSL722 battery pack also available; 4' minimum fixture length. Backup batteries deliver 2057 lumens. Half of a 4' section will be illuminated in emergency mode.

**INTEGRATED SENSORS:** Integrated PIR (Passive Infrared) occupancy and/or daylight sensors available. Refer to Occupancy Sensor and Daylight Sensor tech sheets for more information.

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

**FINISHES:** Finelite Signal White powder coat standard. Optional Adders: 185 Tiger Drylac non-metallic RAL colors.

**FEED:** Standard with one 18-gauge/5-conductor single-circuit feed. 14-gauge feed used when fixture current exceeds 5 amps. Optional 6' flex conduit whips available.

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

**LABELS:** Fixture 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. 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 2011/65/EU.

**WEIGHT:** 2.8 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.