

FINELITE

H04 - Surface Mount



Declare.

Third Party Verified

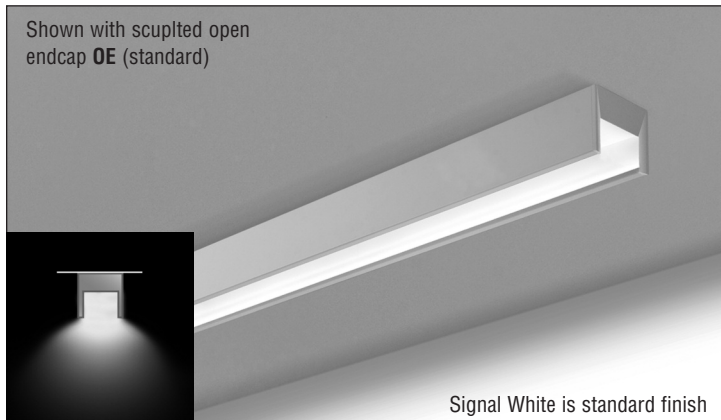
Date

Project

Type

Comments

Shown with sculpted open endcap **OE** (standard)



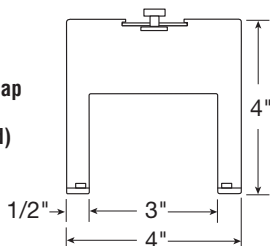
Signal White is standard finish

DESCRIPTION

H04 Surface Mount (H04-SM) luminaire delivers unparalleled performance and comfortable illumination. The H04 integrates exceptionally well into low ceiling applications and features a state-of-the-art rectilinear reflector that provides depth and uniformity.

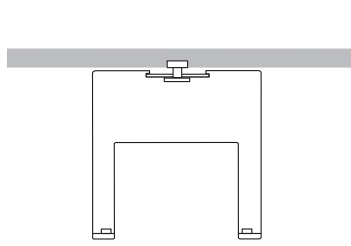
This product is enrolled in the International Living Future Institute (ILFI) Declare 2.0 Program and is third-party verified with options achieving Red List Approved and Declared status.

Open Endcap shown (Standard)

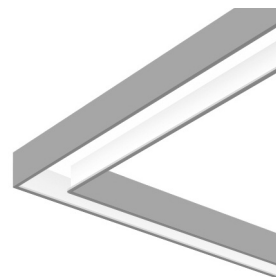


DIMENSIONS & LIGHT ENGINE

Mid-powered, micro LED arrays are tucked into the thin bottom rail for seamless illumination.



CEILING SURFACE MOUNT



90 DEGREE CORNERS

H04 is now available with 90 degree corners. (See page 3 for measurement specifications)

ORDERING GUIDE: Sample Number: H04-SM - RO - 32' - S - 835 - OPN - 120V - SC - OE - C1 - OBO - RLA



- Finelite **H04-SM**
- Luminaire Style (**RO** - Rectilinear Open)
- Length (Minimum 2', in 1' increments) ¹
- Downlight 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)
- Downlight Option (**OPN** - Open)
- Voltage (**120V**, **277V**)
- Circuiting (**SC** - Single Circuit) ²
- Endcap (**OE** - Open Endcap (standard), **SE** - Solid Endcap ³)
- Ceiling Type (**C1** - 1" T-Bar, **C2** - 9/16" T-Bar, **C3** - screw slot, **C4** - hard ceiling)
- Integrated Sensor (**OBO** - Occupancy Sensor, **OBD** - Daylight) ³
- Special Options (**RLA** - Red List Approved, **RLD** - Declared Label)

¹ Standard section lengths: 4', 8' and 12' (maximum). See page 3 for configuration information

² Contact factory for switching options

³ Solid Endcap (**SE**) required at end with a sensor/battery pack

Patent Pending

A brand of LeGrand

FINELITE

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PHOTOMETRY

H04-SM-4ft-V-835-OPN

Very High Output - 4' Luminaire

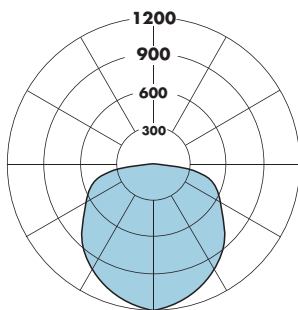
Efficacy: 116 lumens per watt

Total luminaire output: 4060 Lumens (1015 lumens/foot)
35 Watts (8.8 watts/foot)

Peak Candela Value: 1200 @ 0°

CCT: 3500K; CRI: 80

ITL LM79 Report 89348



CANDELA DISTRIBUTION

	0.0	22.5	45	67.5	90	Flux
0	1200	1200	1200	1200	1200	
5	1197	1192	1186	1182	1180	113
15	1169	1143	1132	1124	1120	321
25	1105	1062	1053	1047	1042	489
35	1007	958	954	951	948	601
45	876	831	834	832	827	646
55	716	682	690	680	683	617
65	535	520	537	578	591	545
75	331	348	431	469	477	434
85	116	219	185	107	85	179
90	0	64	42	17	0	
95	0	58	40	16	0	31
105	0	55	35	14	0	27
115	0	44	40	14	0	24
125	0	33	31	16	0	18
135	0	23	22	12	0	11
145	0	12	15	6	0	5
155	0	0	9	2	0	1
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	

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

S*	B*	H*	V**
1662	2089	3158	4060

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

S*	B*	H*	V**
415	522	789	1015

Power (Watts Per Foot)

S*	B*	H*	V**
3.4	4.4	6.7	8.8

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

S*	B*	H*	V**
121	120	118	116

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: 89348

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

Total Light Output =
3158 lm x 0.789 = 2492 lm

Total Light Output per Foot =
789 lm/ft x 0.789 = 623 lm/ft

watts/foot = 6.7 W/ft

$$\text{Efficacy} = \frac{623 \frac{\text{lm}}{\text{ft}}}{6.7 \frac{\text{W}}{\text{ft}}} = 93 \text{ lm/W}$$

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SPECIFICATIONS

CONSTRUCTION: Precision-cut extruded aluminum body. Internal joiner system, Plug-together wiring, standard.

ENDCAPS: Sculpted open endcap extends the look of the open luminaire. Adds 1/4" to length. Solid diecast aluminum endcaps close in form and add 1/4" to each end of luminaire.

MITERED CORNER: Corners are secured with joining brackets for tight connection. Square and rectangular configurations are available. Minimum 4' length for each leg of configurations. Each corner is made up of two reflector sections 2' long.

REFLECTORS: High diffuse polymer reflector with matte white finish. UV stable, abrasion resistant, and anti-static.

DOWNLIGHT OPTION: Direct distribution is totally open with unique polymer reflector material that helps define the rectilinear form.

LIGHT OUTPUT: Four lumen packages available, Standard (S), Boosted Standard (B), High (H), and Very High (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% is available; consult factory. Expected driver lifetime: 100,000 hours.

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 luminaire length for low profile battery pack. Bodine BSL722 battery pack also available; 4' minimum luminaire length. Backup batteries deliver 2030 lumens. Half of a 4' (one side) section will be illuminated in EM mode. Solid Endcap (SE) required at end with a battery pack.

INTEGRATED SENSORS: Integrated PIR Occupancy and daylight sensors from a variety of manufacturers can be integrated into the luminaire. Solid Endcap (SE) required at end with a sensor.

MOUNTING: Lay-in ceiling types: caddy clip with 1/4 - 20 stud and nut. Drywall or concrete surfaces (walls or ceilings): 1/4 - 20 stud and nut (provided by others).

FINISHES: Finelite Signal White powder coat standard. Optional Adders: 185 RAL colors.

FEED: Standard with one 18-gauge/5-conductor single-circuit feed. 14-gauge feed used when luminaire current exceeds 5 amps.

LENGTHS: Any lengths, 2-foot minimum, in 1' increments. 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. Finelite makes the specification process easy when putting healthier products on your projects. Simply add - RLA (Red List Approved) or - RLD (Declared Label) to your part number.

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.

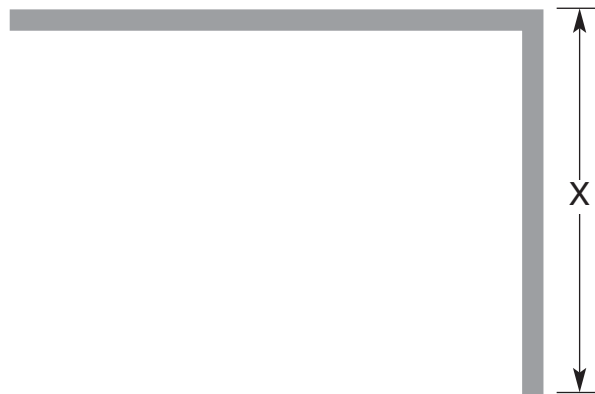
LENGTH SPECIFICATIONS FOR CONFIGURATIONS

CONFIGURATIONS



Measurements are made to the outside of the luminous area as shown above for configurations. Minimum length of any section (X) is 4'.

CORNER



Measurements are made to the outside of the luminous area as shown above for single corner. Minimum length of any section (X) is 2'.