

FINELITE

H04 - Direct

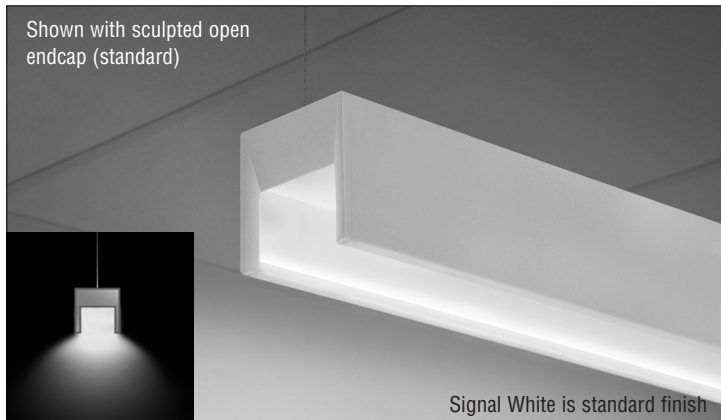


Date

Project

Type

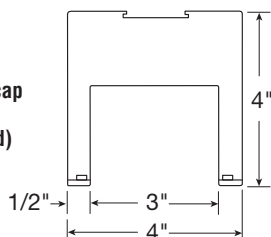
Comments



DESCRIPTION

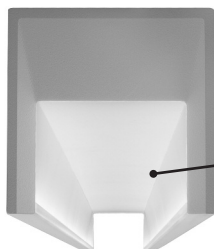
H04 Direct (H04-D) pendant delivers unparalleled performance and comfortable direct illumination. The H04 displays a fully illuminated open interior and features a state-of-the-art rectilinear reflector that provides depth and seamless uniformity.

Open Endcap shown (Standard)



DIMENSIONS & LIGHT ENGINE

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



State-of-the-art polymer reflector material

UNIQUE POLYMER REFLECTOR

State-of-the-art lightweight reflector material features high reflectivity, reduced presence of seams, and is tailorable for maximum flexibility and performance.

Up To
121 LPW

PERFORMANCE

H04-D delivers performance of up to 121 lumens per watt. Up to 1015 lumens per foot.

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



Finelite **H04-D**

Luminaire Style (**RO** - Rectilinear Open)

Length (Minimum 2', in 1' increments)*

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)**

Mounting (**FA** - Fully Adjustable, **FM** - Flexible Mounting)

Endcap (**OE** - Open Endcap (standard), **SE** - Solid Endcap)

Ceiling Type (**C1** - 1" T-Bar, **C2** - 9/16" T-Bar, **C3** - screw slot, **C4** - hard ceiling)

Integrated Sensor (**OBO** - Occupancy Sensor, **OBD** - Daylight)

*Standard section lengths: 4', 8' and 12' (maximum)

**Contact factory for switching options.

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

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FINELITE

H04 - Direct

PHOTOMETRY

H04-D-RO-4ft-V-835-OPN

Very High Output - 4' Luminaire

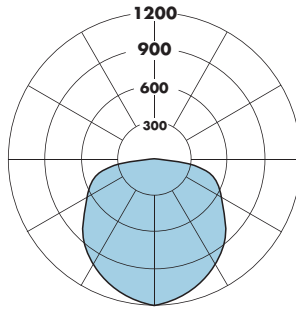
Efficacy: 116 lumens per watt

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

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

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.

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: 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. 8' minimum luminaire length for low profile battery pack. Bodine BSL722 battery pack also available; 4' minimum luminaire length. Backup batteries deliver 2000 lumens. Half of a 4' (one side) section will be illuminated in EM mode.



INTEGRATED SENSORS: Integrated PIR Occupancy and Daylight sensors from a variety of manufacturers can be integrated into the luminaire.

MOUNTING: 50" Fully Adjustable (FA) plated steel aircraft cable with safety stop hardware standard. Contact factory for additional lengths up to 150". Suspension points adjust up to 2' in from the end of 8' or 12' luminaire lengths and up to 1' in on shorter lengths.

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: 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 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.