

UHBD-S1 Series

LED UFO High Bay Specifications

Project _____

Date _____ Type _____



UHBD-S1-50K150-80H



Description

UHBD-S1 series UFO high bays provide even illumination for high ceiling applications. An improved alternative to traditional metal halides, the design is more compact and efficient. Low profile aluminum housing has built-in heat sinks for passive cooling. Powder-coated exterior and IP65 rating resists corrosion and moisture. Powerful LEDs deliver up to 140 lumens per watt, with a polycarbonate lens designed to reduce glare.

Mechanical

- Die-cast aluminum housing
- Black or white powder-coated finish provides protection against contaminants and oxidation
- Included eye bolt
- -40°-113° F (-40°-45° C) operating temperature
- IP65 rated for wet locations

Electrical

- 0-10 V dimmable
- ≥0.9 power factor
- 50,000 hour (L70) rated lifespan

Photometrics

- 140 lm/W—packages from 14,000 to 42,000 lumen
- 80+ CRI
- 80° beam angle

Application

Easily replaces inefficient metal-halide fixtures such as those found in warehouses, manufacturing facilities, hangars, and other industrial areas where a high bay lighting solution is required.

Available Models¹

5000K Standard Voltage

- UHBD-S1-50K100-80H
- UHBD-S1-50K150-80H
- UHBD-S1-50K200-80H
- UHBD-S1-50K240-80H
- UHBD-S1-50K300-80H
- UHBD-S1-50K100-80H (White)
- UHBD-S1-50K150-80H (White)
- UHBD-S1-50K200-80H (White)
- UHBD-S1-50K240-80H (White)

5000K High Voltage

- UHBD-S1-50K150-80H-HV
- UHBD-S1-50K240-80H-HV
- UHBD-S1-50K300-80H-HV

4000K Standard Voltage

- UHBD-S1-40K100-80H
- UHBD-S1-40K150-80H
- UHBD-S1-40K200-80H
- UHBD-S1-40K240-80H
- UHBD-S1-40K300-80H

Part Number Breakdown

Example: UHBD-S1-50K150-80H-HV

Family	CCT	Wattage	Beam Angle	lm/W	Options
UHBD-S1	40K [4000K] or 50K [5000K]	100 [100 W]	80 [80°]	H [140]	blank [black finish, standard voltage] (white) [white finish, standard voltage] -HV [black finish, high voltage]
		150 [150 W]			
		200 [200 W]			
		240 [240 W]			
		300 [300 W]			

Warranty

Five (5) Year Warranty

Optional Accessories

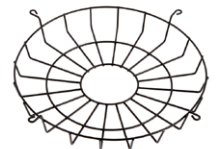
Polycarbonate Reflector

- UHBD-S1-PR100 (for UHBD-S1-xK100-x)
- UHBD-S1-PR150 (for UHBD-S1-xK150-x)
- UHBD-S1-PR200 (for UHBD-S1-xK200-x, UHBD-S1-xK240-x, and UHBD-S1-xK300-x)



Wire Guard

- UHBD-S1-WG100 (for UHBD-S1-xK100-x)
- UHBD-S1-WG150 (for UHBD-S1-xK150-x)
- UHBD-S1-WG200 (for UHBD-S1-xK200-x, UHBD-S1-xK240-x, and UHBD-S1-xK300-x)



Certifications and Compliances

These lights are Certified by UL in compliance with UL 1598 (IFAM) and are also DesignLights Consortium listed as DLC Premium.



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www.superbrightleds.com/cat/industrial-led-lighting/

¹Contact customer service if interested in options other than those listed.

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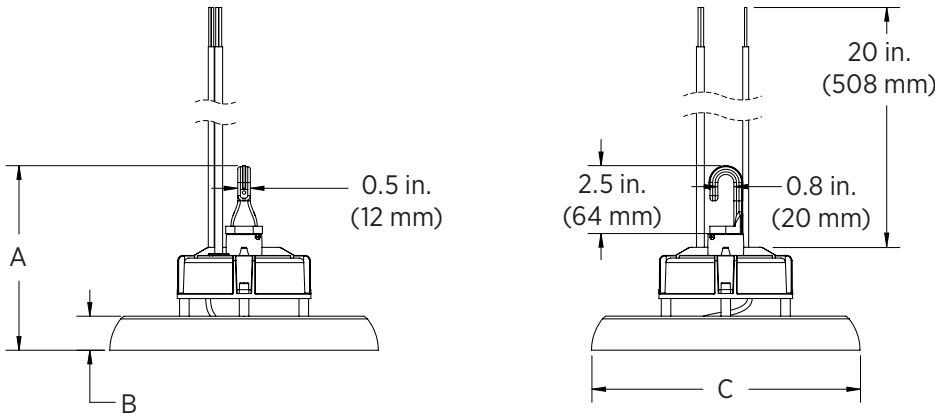
Specifications are subject to change without notice.

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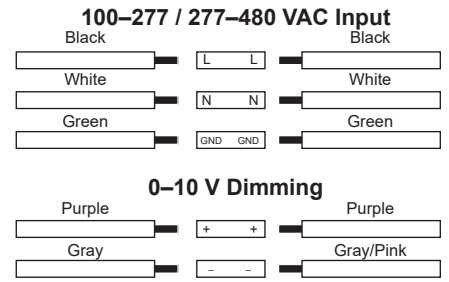
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Dimensional Drawing



Wiring Diagram



Model	A	B	C
UHBD-S1-xK100-80H	6.9 in. (175 mm)	1.3 in. (33 mm)	10.25 in. (260 mm)
UHBD-S1-xK150-80H	7.3 in. (186 mm)	1.75 in. (44 mm)	11 in. (280 mm)
UHBD-S1-xK150-80H-HV	7.4 (189 mm)	1.75 in. (44 mm)	11 in. (280 mm)
UHBD-S1-xK200-80H / UHBD-S1-xK240-80H	7.5 in. (191 mm)	2 in. (50 mm)	13.4 in. (340 mm)
UHBD-S1-xK240-80H-HV	8.4 in. (214 mm)	2 in. (50 mm)	13.4 in. (340 mm)
UHBD-S1-xK300-80H	8.1 in. (204 mm)	2.2 in. (55 mm)	13.4 in. (340 mm)
UHBD-S1-xK300-80H-HV	8.8 (224 mm)	2.2 in. (55 mm)	13.4 in. (340 mm)

Specifications

Model UHBD-S1-	xK100-80H	xK150-x	xK200-x	xK240-x	xK300-x
Intensity	14,000 lm	21,000 lm	28,000 lm	33,600	42,000
Operating Voltage	100-277 VAC or 277-480 VAC ² (as ordered)				
Power Consumption	100 W	150 W	200 W	240 W	300 W
Current Draw ³	120 VAC	833 mA	1.25 A	1.67 A	2 A
	277 VAC	361 mA	542 mA	722 mA	866 mA
	480 VAC	N/A	313 mA	N/A	500 mA
Efficacy	140 lm/W				
Color Temperature	4000K or 5000K (as ordered)				
Beam Angle	80°				
CRI	80+				
Dimming	0-10 V				
IP Rating	IP65				
Ambient Operating Temperature	-40°-113° F (-40°-45° C)				
Rated Life (L70)	50,000 hours				

²277-480 VAC not available on 100 W or 200 W models.

³Varies by input voltage—models must be ordered by desired input voltage range.

