

HIGH BAY LIGHT



HBN MODEL

DESCRIPTION

The **SOLTECH HBN** LED High Bay delivers high lumen output, long life, economic solution, and no restrike time. This energy-efficient LED luminaire offers one-to-one replacement of existing HID or fluorescent high bays. Precision-formed reflectors delivers adequate light in high mounting applications. Modular driver and LED arrays. Economic solution to optimize payback. Capable of being operated with occupancy sensor.

APPLICATIONS:

Various commercial and industrial applications with high ceilings: warehouse, manufacturing facilities, retail, gymnasiums, grocery.

FEATURES

PERFORMANCE:

Perfect for both retrofits and new projects, it allows an ideal usage mainly used in places that need coverage while maintaining constant stream of light spread through the night.

Available in varying ranges:

- 50W
- 100W
- 150W
- 230W

Lumens are from 6,900–31,740 lumens

HOUSING:

ADC12 aluminum heat sink, outdoor powder coat finish, and waterproof design.

FINISHES:

The HBN is available in:

- **BL**= Signal Black

PHOTOMETRICS:

Please see page 3 for photometric layouts.

All of our IES files will be available at www.soltechlighting.com

OPTICAL LENS:

High light transmittance >95%, PC.

MOUNTING:

The HBN Line Provides two main attachments.

Through the ceiling mount or the pendant mount.

These can be identified in the Model Specification Sheet as:

- **YK** = Yoke
- **HK** = Hook



ELECTRICAL:

100–277V, 50/60Hz, PF≥0.9; THD<20%, with stable and reliable circuit design.

LED:

LUMILEDS, CRI>80, Low degradation adhesive applied to the LED soldering position on the PCB, for added protection.

CERTIFICATIONS:

UL listed. DLC QPL listed. All components have safety approvals. Wet location listed. IP65 rated.

CONTROL:

Microwave sensor optional upgrade. Comes standard with dimming compatibility.

WARRANTY:

We have a 7-year limited warranty, see complete warranty terms for details.

Warranty Guidelines include but are not limited to:

- The original warranty extends to the original buyer
- Light must be used less than 16 hours a day
- Must be in ambient of -40°F to 104°F

ADDITIONAL INFORMATION:

Competitive lumen efficacy of up to 138LM/W.

Operating Temperature:

-40° ~ 104°F, 10KV surge protection.

More information provided at www.soltechlighting.com/support

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SUMMARY

HOUSING	ACD12 aluminum heat sink, Outdoor powder coating.
VOLTAGE	100-277V, 60Hz AC
LED	LumiLEDs
EFFICACY	138 LM/W
LUMENS@5000K	6,900-31,740 lumens
POWER FACTOR	≥0.9
BEAM ANGLE	90°
THD	<20%
OPERATING TEMP	-40°F-104°F
ALUMINUM LED BOARD	High conductive, Waterproof, Aging resistance, Salt mist resistance, Long-life.
CONTROLS / DIMMING	0-10V Dimming
CCT	4000K and 5000K
CRI	>80
RATED LIFE	70,000 hours



ENERGY PERFORMANCE DATA

MODEL	DIMENSION (in)	VOLTAGE (V)	WATT (W -8%~+5%)	LUMENS @ 5000K(Lm)	EFFICACY (Lm/w)
STLHBN50XYZZ	6.6X9.8 in	100-277	50	6,900	138
STLHBN100XYZZ	6.6X9.8 in	100-277	100	13,800	138
STLHBN150XYZZ	7.0X10.8 in	100-277	150	20,700	138
STLHBN230XYZZ	7.7X13.4 in	100-277	230	31,740	138

ORDERING INFORMATION:

Sample Number: STLHBN1004YKBL

SOLTECH High Bay HBN 100 watt, 4000K, Yoke installation, with a black finish.

SERIES	WATT (W -8%~+5%)	COLOR TEMP (X)	MOUNTING OPTIONS (YY)	FINISH (ZZ)	VOLTAGE (V) (Blank)	OPTIC TYPE (Blank)	DIMMING (Blank)
STLHBN	50	4=4000K	YK=YOKE	BL=BLACK	100-277	90°	0-10V/PWM/VR
	100	5=5000K	HK=HOOK				
	150						
	230						

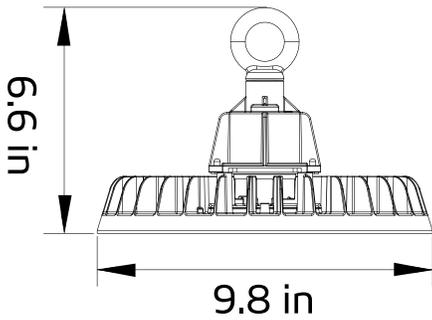
HIGH BAY LIGHT



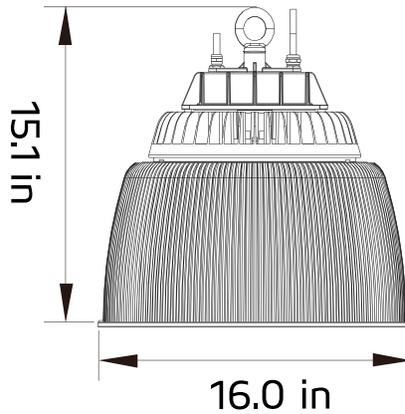
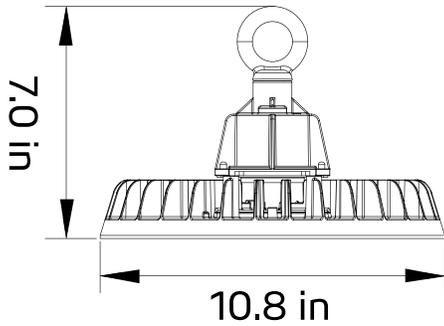
HBN MODEL

DIMENSIONAL DRAWING

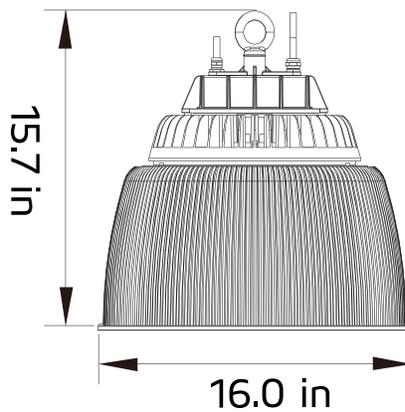
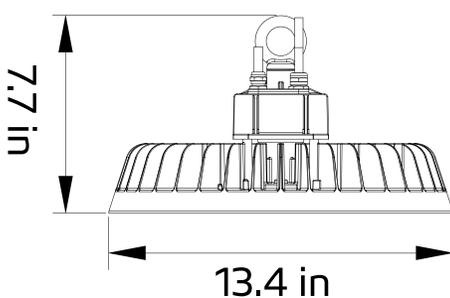
50W & 100W



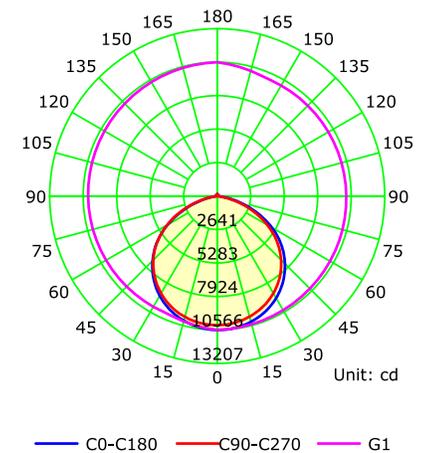
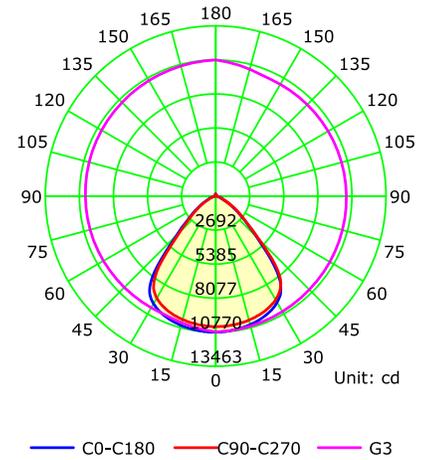
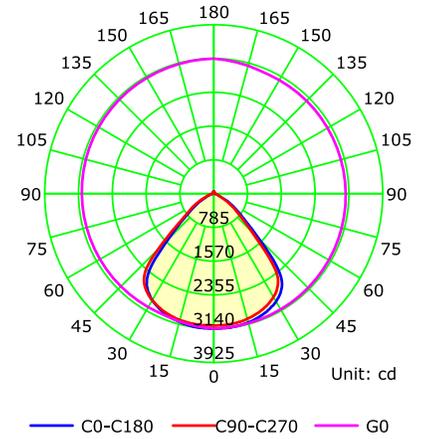
150W



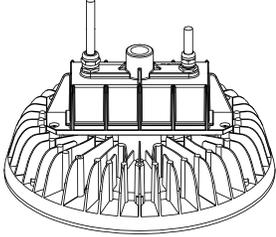
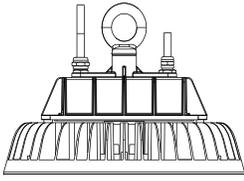
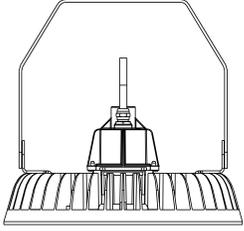
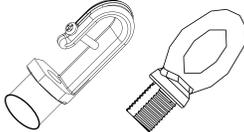
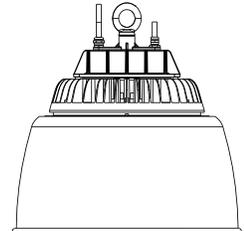
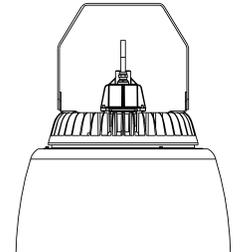
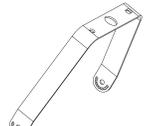
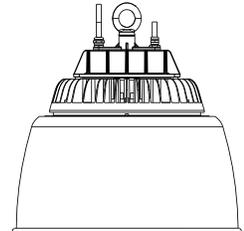
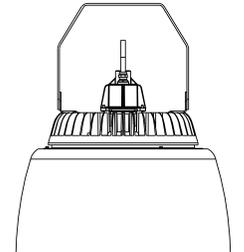
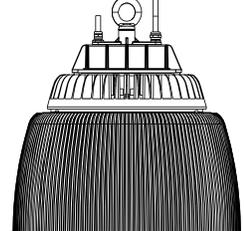
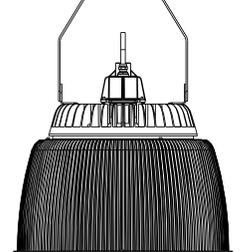
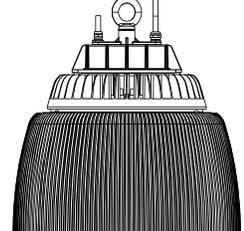
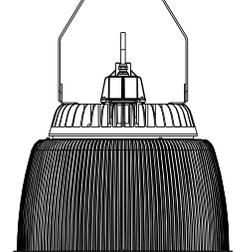
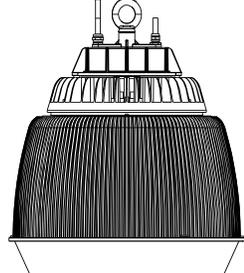
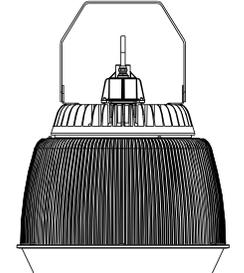
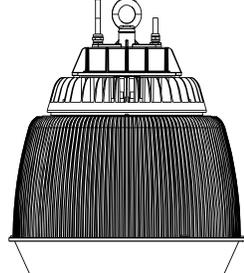
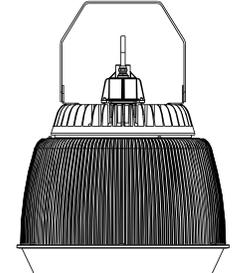
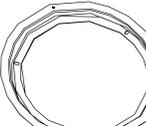
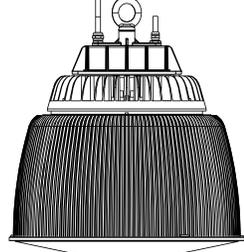
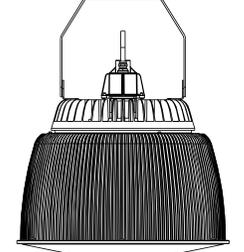
230W



PHOTOMETRICS



HBN PARTS LIST

ILLUSTRATION	HOOK INSTALLATION	YOKE INSTALLATION
<p>A. HOUSING</p> 	<p>A+B</p> 	<p>A+C</p> 
<p>B. HOOK/RING</p> 	<p>A+B+E</p> 	<p>A+C+E</p> 
<p>C. YOKE</p> 		
<p>D. TYPE A PC BOTTOM COVER (16" only for 150W and 230W)</p> 	<p>A+B+F</p> 	<p>A+C+F</p> 
<p>E. ALUMINUM REFLECTOR (16" only for 150W and 230W)</p> 		
<p>F. PC REFLECTOR (16" only for 150W and 230W)</p> 	<p>A+B+D+F</p> 	<p>A+C+D+F</p> 
<p>G. TYPE Y PC BOTTOM COVER (16" only for 150W and 230W)</p> 		
<p>H. ADAPTER RING (150W and 230W)</p> 	<p>A+B+F+G</p> 	<p>A+C+F+G</p> 

*HBN 150-230W needs ADAPTER RING when installing the reflector.