

## LED HIGH BAY (XHB3) 176



**LED lighting facts**  
A Program of the U.S. DOE

**Light Output (Lumens)** 21686  
**Watts** 196.7  
**Lumens per Watt (Efficacy)** 110

**Color Accuracy**  
Color Rendering Index (CRI) 80

**Light Color**  
Correlated Color Temperature (CCT) 5253 (Daylight)

Warm White 2700K 3000K Bright White 4500K Daylight 6500K

**Warranty\*\*** Yes

All results, except LED Lumen Maintenance, are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

\*\* See [www.lightingfacts.com/products](http://www.lightingfacts.com/products) for details.

Registration Number: KGGH-YDJ5MF (10/19/2012)  
Model Number: XHB3 S LED 176 350 CW UE  
Type: High-bay and Low-bay fixtures

LIGHT OUTPUT - XHB3 176					
	# of LEDS		Lumens (Nominal)		Watts
			S	AL	
Cool White	350 mA	176	21686	21464	197
	450 mA	176	26219	26663	259
Neutral White	350 mA	176	18197	18130	197
	450 mA	176	22346	21669	259

SHIPPING WEIGHTS		
UE	347	480
30.6	35.2	35.2

US patent 7,828,456 and US & Int'l. patents pending

### SMARTTEC™ ENERGY SAVING FEATURES:

**THERMAL CONTROL** - Sensors in the driver enclosure and optical unit reduce drive current when elevated ambient temperatures increase LED temperatures above design limits.

**INTEGRAL MOTION SENSOR (IMS)** - Choice of 2 optional internal passive infrared motion sensor activated switching of luminaire light levels, either 0 or 30% of power. High level light is activated when activity is sensed in target zone. High light level is increased to full bright in 1-2 seconds upon detection. Low light level (0 or 30% of power) is activated when target zone is absent of motion activity for ~ 2 minutes. Upon inactivity, light level is gradually ramped down (10-15 sec.) to low level to allow eyes time to adjust.

**DIMMING (DIM)** - Optional 0-10 volt dimming enabled, with controls by others.

**BI-LEVEL SWITCHING (BLS)** - Optional bi-level switching responds to external line voltage signal from separate controller or sensor (by others), with low light level decreased to 30% maximum drive current.

**EXPECTED LIFE** - Up to 100,000 hours. See LSI web site for specific guidance.

**LEDS** - An array with 176 high brightness LEDs; Cool White (5300°K) or Neutral White (4100°K) color temperature, 70 CRI (nominal).

**DRIVE CURRENT** - Available in 350mA and 450 mA.

**DISTRIBUTION/PERFORMANCE** - Symmetric or asymmetric distribution – high efficiency reflectors provide exceptional uniformity and vertical illumination without glare. Optional diffused lens available to reduce visibility of diodes.

**HOUSING** - Housing is die-formed aluminum. Designed to resist birds and accumulation of dust and debris. Access panel provides one-screw access to driver and wiring connections.

**OPTICAL UNIT** - Featuring an ultra-slim 1" profile, housing is die-formed aluminum with a clear tempered glass lens. Unit is water-resistant, sealed to an IP67 rating. Patented integral single blade heat sink does not trap dirt and grime, ensuring cool running performance over the life of the fixture.

**THE INDUSTRY'S ONLY BREATHABLE SEAL** - Teflon® breather allows super-tight IP67 protection while preventing temperature cycling from building up internal pressures and vacuums that can stress optical unit seals and components.

**MOUNTING** - Hook and 6' cord (plug not included) or 3/4" pendant mount are available. Fixture weight less than 35 lbs.

**ELECTRICAL** - Available with universal voltage power supply (120-277 VAC, 50/60 Hz input), 347 VAC and 480 VAC. Two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Scenario 1, Location Category C.

**DRIVER** - Proprietary, state-of-the-art SmartTec™ driver technology provides unsurpassed system efficiency, control and protection. LSI components are fully encased in potting for IP65 moisture resistance. Complies with IEC and FCC standards.

**OPERATING TEMPERATURE** - -40°C to +40°C (-40°F to 104°F).

**FINISH** - Standard color is white. Finished with LSI's DuraGrip® polyester powder coat process.

**WARRANTY** - Limited 5-year warranty.

**LISTING** - ETL listed to UL1598, UL8750 and other U.S. and international safety standards. Suitable for damp locations.

**PHOTOMETRICS** - Application layouts are available upon request. Contact [lighting.apps@lsi-industries.com](mailto:lighting.apps@lsi-industries.com).

**This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.**



Suitable for damp locations



# LED HIGH BAY (XHB3) 176

## LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **XHB3 S LED 176 450 CW UE HM6 WHT**

Prefix	Distribution	Light Source	# of LEDs	Drive Current	Color Temperature	Input Voltage	Mounting	Finish	Optional Controls	Sensor/Options
XHB3-High Bay	S - Type S Symmetric AL - Asymmetric <sup>1</sup>	LED	176	350 - 350mA 450 - 450mA	CW - Cool White NW - Neutral White	UE - Universal Voltage (120-277v) 347-480 - Univ. Voltage (347-480v)	HM6 - Hook and 6' Cord PM - Pendant Mount (3/4")	WHT - White	<b>Virtinet Wireless Network</b> (requires a Ventura controller/Malibu link) (blank) - None VCM - Standard (revenue grade) VCMB - Basic VCMH - Standard (Host) VCMBH - Basic (Host) DIM - 0-10 volt dimming (required for satellite fixtures)  <b>Stand-Alone Control</b> (blank) - None DIM <sup>2</sup> - 0-10V Dimming (from external signal) BLS <sup>2</sup> - Bi-level Switching (from external signal)	<b>Sensor</b> ES <sup>3</sup> - External Sensor IMS0 <sup>4</sup> - Integral Motion Sensor (Turns Off) IMS30 <sup>4</sup> - Integral Motion Sensor (Dims to 30%)  <b>Options</b> DFL - Diffused Lens <sup>5</sup>

## ACCESSORY ORDERING INFORMATION

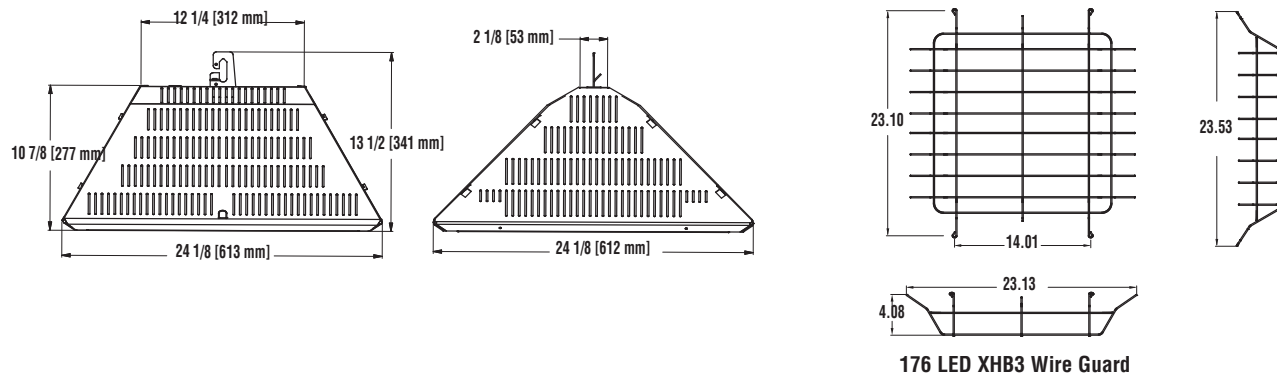
(Accessories are field installed)

Description	Order Number	Description	Order Number
Cast Mounting Hook	EM0182 <sup>6</sup>	ROSB277 - WL Remote Box with 277V Occupancy Sensor	C/F <sup>7</sup>
XHB3 Wire Guard 176 Kit	509676	RPSB120 - WL Remote Box with 120V External Photocell	C/F <sup>7</sup>
XHB3 Polycarb Sheild 176 Kit	527787WHT	RPSB208-277 - WL Remote Box with 208-277V External Photocell	C/F <sup>7</sup>
ROSB120 - WL Remote Box with 120V Occupancy Sensor	C/F <sup>7</sup>		

### FOOTNOTES:

- 1 - Consult factory for availability.
- 2 - DIM and BLS cannot be ordered together.
- 3 - Do not specify for satellite units.
- 4 - Not compatible with Virtinet wireless systems
- 5 - Diffused lens reduces light output. Consult factory.
- 6 - Cast mounting hook compatible with pendant option only. Must be ordered separately.
- 7 - Includes VCM. To be used in conjunction with VCM options in fixture. Consult factory.

## DIMENSIONS



Cast Mounting Hook