



# SmartTec Control Technology - "Industry First"

## Thermal Management

LSI proprietary SmartTec heat dissipation system  
 Fixture temperature lowered automatically when needed until safe operating temperature is reached  
 Sensors in both the optical unit and driver initiate temperature correction.

## Integral Motion (IMS)

Lower light levels activated when target zone is absent of motion for 2 minutes  
 IMS0 - 0% of power activated (fixture is turned off)  
 IMS30 - 30% of power activated  
 Light level gradually ramped down (10 -15 seconds)

## Dimming (DIM)

0-10V Dimming enabled with controls by others

## Bi-Level Switching (BLS)

Low light level reduced to 30% of maximum drive current via controls by others

## Low Total Cost of Ownership - Quick Payback

## Annual Energy &

## Unmatched Lighting

Creates a brighter environment at lower light levels

## Performance

Unmatched lighting performance in a high bay fixture  
 High efficiency reflector provides exceptional uniformity and vertical illumination without glare

## Distribution

Available with symmetric or aisle lighter distribution  
 Directs light where needed, reduces undesirable light loss  
 Application layouts are available upon request  
 LM79 & LM80 reports available

| LIGHT OUTPUT - XHB3 128 |        |           |       |                  |     |       |
|-------------------------|--------|-----------|-------|------------------|-----|-------|
|                         |        | # of LEDs |       | Lumens (Nominal) |     | Watts |
|                         |        | S         | AL    | S                | AL  |       |
| Cool White              | 350 mA | 128       | 16497 | 15849            | 145 |       |
|                         | 450 mA | 128       | 19073 | 19298            | 192 |       |
| Neutral White           | 350 mA | 128       | 14131 | 14453            | 145 |       |
|                         | 450 mA | 128       | 17021 | 17741            | 192 |       |

| LIGHT OUTPUT - XHB3 176 |        |           |       |                  |     |       |
|-------------------------|--------|-----------|-------|------------------|-----|-------|
|                         |        | # of LEDs |       | Lumens (Nominal) |     | Watts |
|                         |        | S         | AL    | 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 |       |

**128 or 176 LED  
Array Choices**

XHB3 128 LED array for lower mounting heights (145 watts)  
XHB3 176 LED array for higher mounting heights (260  
watts)

Provides a choice of using less energy, or  
more light output as desired

Select high brightness LEDs feature instant on,  
instant restart and no warm-up and flickering, unlike HID  
fixtures

Can mix and match arrays throughout facility depending on project requirements



**Color Rendering Index**

Nominal CRI of 70 facilitates recognition of specific colors of various objects to  
meet industry standards

**Color Temperature**

Cool white (5300K) or neutral white (4100K) provides bright and pleasing  
industrial lighting at reduced foot candle levels

**Temperature Range**

-40°C to 40°C (-40°F to 104°F)

Suitable for use in a wide range of ambient temperatures

Fixture performance is maximized when temperatures remain within these  
ranges

**Drive Currents**

350mA and 450mA available

The perfect combination of low energy consumption and high lumen output

**Input Voltage**

Universal voltage 120V thru 277V (50/60 Hz input): 347V-480V also available

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## Unparalleled Speed & Ease of Installation

**Mounting**

Very light fixture weights as low as 19 lbs., a third less weight than conventional  
high bay fixtures

Adjustable die formed galvanized steel or cast hook for hanging

Choice of pendant or hook mounting

**Maintenance-Free**

Once installed, XHB3 is virtually maintenance free

Quick removable side panel for ease in access to wiring compartment and  
electrical components

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## Exceptional Reliability in a High Bay Fixture

**Environmentally  
Responsible**

With exceptional "green" technology, luminaire is RoHS compliant

Greater than 80% recyclable by weight

**Housing** Vented die-formed aluminum housing design resists birds and accumulation of dust and debris  
Design is resistant to shock and vibration  
Further durability achieved through usage of tempered glass lens as well as EPDM or silicone rubber seals

**Optical Unit** Clear tempered glass lens or optional diffused lens to reduce visibility of diodes where desired  
Water-resistant, sealed to an IP67 rating

**Reflector** High performance, die-formed specular aluminum  
95% reflective aluminum has a mirror-like surface and is one of the two most reflective materials in the world

**Pressure Stabilizing Vent/Breather** Equalizes pressure in optical unit preventing pressure buildup due to ambient temperatures changes, protecting gaskets and seals over the life of the fixture

**Finish/Colors** LSI's DuraGrip<sup>®</sup> polyester powder coat – resists corrosion and is scratch and ding resistant  
Standard color is white

**Long-Life** Up to 100,000 hours of expected life equates to 11.4 years burning 24/7  
3X the life expectancy of linear fluorescent and 5X that of HID  
Once installed, XHB3 is virtually maintenance free

**Protection** IP67 on optical unit provides total dust ingress protection, temporary liquid submersion protection

**Surge Protector** Meets IEEE C62.41.2-2002, Scenario 1, Location Category C  
Prevents damage to fixture due to unexpected "surge" or "swell" in AC line voltage

**Warranty** Limited 5-year warranty

**Accessories** Wire Guards and Polycarbonate Shields are available for use in protection of optics

**DLC** Selected versions of this product are on the DLC Qualified Products List (QPL). Consult the LSI website or the DLC QPL website at [www.designlights.org](http://www.designlights.org) for specific products listed.



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