

# DuroSite<sup>®</sup> LED High Bay - UL / CSA

for Indoor and Outdoor Industrial Applications



# On when it matters most.

# Products and solutions that protect your business



2



# **Features & Benefits**

- 10 year full performance warranty available on specific models
- 5 year full performance warranty standard
- L70 rated for >100,000 hours @ 25°C
- Instant on/off
- No UV or IR
- Produces minimal heat compared to traditional fixtures
- Resistant to shock and vibration
- Temperature compensation technology for long life

# **Application**

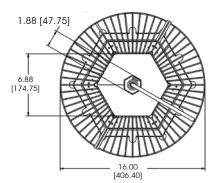
Dialight's DuroSite® LED High Bay fixture was designed specifically to replace conventional lighting in a wide variety of industrial applications;both indoor and outdoor. Its low profile light weight design and versatile mounting options make it ideal for many applications such as warehouse, garage, aisle, cold storage, bridge, tunnel and general area lighting.

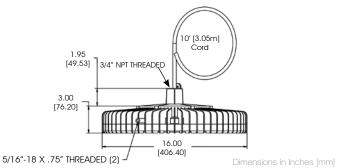
# **DuroSite LED High Bay - UL**

8,500 - 17,000 Lumens Standard Mod



Patent pending





**Certifications & Ratings** 

- UL 1598 (acrylic lens models)
- UL 1598A (polycarbonate lens and tempered glass) CSA 22 #250
- ABS Design Assessed 12-HS950618-PDA
- NEMA 4X IP66

Mechanical Information:		
Fixture weight:	17 lbs (7.7 kg)	
Shipping weight:	23 lbs (10.43 kg)	
Mounting:	(1) 3/4" NPT - top (2) 5/16"-18 x .75" UNC - side	
Entries:	10' (3.05m) STOOW Power Cord	
Electrical specifications:		
Operating Voltage:	100 - 277V AC 347 - 480V AC (consult with factory)	
Total system power consumption:	See table	
Operating Temp:	-40°F to +149°F (-40°C to +65°C)	
Harmonics:	IEC 61000-3-2	
Noise requirement /EMC:	FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz	
Transient protection:	Protection devices capable of handling up to 6kV. Tested for 6kV/2 ohm combination wave, as per IEEE C62.41, line-line and line-ground	
THD:	<20%	
Power Factor:	> 0.9	
Fusing:	Internal on black wire	
Construction:		
Housing:	Copper free aluminum	
Finish:	Superior dual coat finish - sealed polyester topcoat - chemical resistant epoxy primer	
Lens:	Acrylic - UL 1598 dry location only Polycarbonate - UL1598A wet location Polycarbonate dome lens Tempered glass	
Photometric Information:		
CRI:	75	
CCT:	5000K (cool white) 4000K (neutral white)	
All of the state o	A second second	

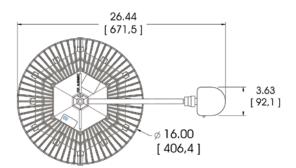
All values typical unless otherwise stated Lumen values are typical (tolerance +/- 10%)

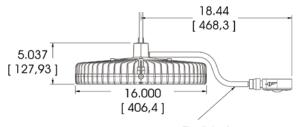
# DuroSite LED High Bay - UL

# **Occupancy Sensor Models**









Flexible Arm

Dimensions in Inches [mm]

# Certifications & Ratings

• IP65

#### **Features & Benefits**

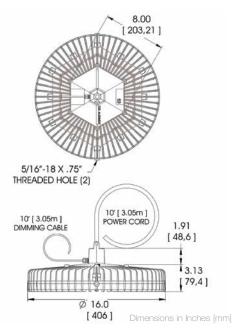
- No additional electrical connections required for installation
- Flexible conduit permitting the positioning of the occupancy sensor for optimal coverage
- Interchangeable sensor lens for high bay, low bay, or aisle application

Mechanical Informatio	on:
Fixture weight:	20 lbs (13.34kg)
Shipping weight:	27 lbs (9.62kg)
Mounting:	(1) 3/4" NPT - top (2) 5/16"-18 x .75" UNC - side
Entries:	10' (3.05m) STOOW Power Cord
Sensor:	
Sensor Mounting:	Attached to the base of the neck using a semi-rigid flexible conduit
Occupancy Sensor:	Wet location wattstopper
Sensor Lens Options:	30 seconds to 20 minutes
Operating Temperature:	Interchangeable lenses for multiple mounting heights and sensor patterns
Electrical specification	ns for High Bay:
Operating Voltage:	100 - 277V AC 347 - 480V AC (consult with factory)
Total system power consumption:	See table
Operating Temp:	-40°F to +149°F (-40°C to +65°C)
Harmonics:	IEC 61000-3-2
Noise requirement /EMC:	FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz
Transient protection:	Protection devices capable of handling up to 6kV. Tested for 6kV/2 ohm combination wave, as per IEEE C62.41 line-line and line-ground
THD:	<20%
Power Factor:	> 0.9
Construction:	
Housing:	Copper free aluminum
Finish:	Superior dual coat finish - sealed polyester topcoat - chemical resistant epoxy primer
Lens:	Tempered glass
Photometric Informatio	on:
CRI:	75
CCT:	5000K (cool white) 4000K (neutral white)
All values typical unless other Lumen values are typical (tole	

# **DuroSite LED High Bay - UL**

#### Variable Dimming (0-10V DC) & STE





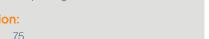
#### Features & Benefits

- 10' plenum rated dimming control cable pre-installed
- Dimming cabling independent of fixture wiring
- Multiple High Bays can be connected to the same dimmer

# chanical Info

Mechanical Informatio	n:
Fixture weight:	20 lbs (13.34kg)
Shipping weight:	27 lbs (9.62kg)
Mounting:	(1) 3/4" NPT - top (2) 5/16"-18 x .75" UNC - side
Entries:	10' (3.05m) STOOW Power Cord
Variable Dimming:	
Variable Dimming Cable:	Two conductor cable
Power Cable:	Three conductor cable
Dimming Cable Position:	Side of the neck through a cable gland
Variable Dimming Control:	0-10V DC
Dimming Range:	10V DC = 100% light output 0V DC = 30% light output
Electrical specification	s for High Bay:
Operating Voltage:	100 - 277V AC 347 - 480V AC (consult with factory)
Total system power consumption:	See table
Operating Temp:	-40°F to +149°F (-40°C to +65°C)
Harmonics:	IEC 61000-3-2
Noise requirement /EMC:	FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz
Transient protection:	Protection devices capable of handling up to 6kV. Tested for 6kV/2 ohm combination wave, as per IEEE C62.41, line-line and line-ground
THD:	<20%
Power Factor:	> 0.9
Construction:	
Housing:	Copper free aluminum
Finish:	Superior dual coat finish - sealed polyester topcoat - chemical resistant epoxy primer
Lens:	Tempered glass
Photometric Information:	
CRI:	75
CCT:	5000K (cool white) 4000K (neutral white)

All values typical unless otherwise stated Lumen values are typical (tolerance +/- 10%)



# DuroSite LED High Bay - UL Ordering Information

**Fixture** LPW Part Number Pattern HBEC4P 13,000 150 90 100 - 277V AC 5000K (cool white) Aisle 10yr **Tempered Glass** HB6C4M 146 80 5yr 100 - 277V AC 11,750 5000K (cool white) **Tempered Glass** Aisle HB7C4M 146 80 100 - 277V AC 11,750 5yr 5000K (cool white) **Tempered Glass** Aisle HBWC4L 8,500 107 79 100 - 277V AC 5000K (cool white) Polycarbonate Dome Wide 10yr Occupancy Sensor models<sup>2</sup> HB6C4T 11.750 146 80 5yr 100 - 277V AC 5000K (cool white) **Tempered Glass** Aisle HB7C1T 11,750 146 80 5yr 100 - 277V AC 5000K (cool white) **Tempered Glass** Aisle HB1C4T 11,500 146 79 5yr 100 - 277V AC 5000K (cool white) Acrylic Circular HB2C4T 146 74 100 - 277V AC 5000K (cool white) 10.750 5yr Polycarbonate Circular Variable Dimming models HB7C4Y 11,750 146 80 5yr 100 - 277V AC 5000K (cool white) **Tempered Glass** Aisle HB6C4Y 11,750 146 80 5yr 100 - 277V AC 5000K (cool white) Tempered Glass Aisle Variable and Step Dimming Models 17,500 170 103 HBGCQQ 5yr 100 - 277V AC 5000K (cool white) **Tempered Glass** Circular HBGC1Q 15,000 146 103 5yr 100 - 277V AC Tempered Glass Circular 5000K (cool white)

All values typical unless otherwise stated, Lumen values are typical (tolerance +/- 10%)

<sup>1</sup> Polycarbonate and tempered glass lens units meet IP 66 when installed using conduit or an IP66 approved cable gland at the 3/4 NPT. Dialight offers IP66 approved cable glands as part of accessories HBXW2 and HBXCG.

<sup>2</sup> Part numbers with occupancy sensor that will be installed with Hook or Loop (HBXH or HBXL) accessories will require a counter balance installed prior to shipment. Consult factory, For Dialight's complete list of DLC qualified products, please click this link: www.dialight.com/DLC

#### DuroSite LED High Bay - UL Mounting Accessories for 8,500 - 17,000 Lumens Standard Models HBXDC HBXCAB48 HBXW3-SSL-316 21<sup>0</sup> slope dust cover • 48" long stainless steel HBXW3-SSL-304 safety rope (for use with HBXDC45 • Stainless steel bracket safety bracket) • 45<sup>0</sup> slope dust cover HBXDC60 • 60<sup>0</sup> slope dust cover **FLX1HBXSS** HBXTH347480 **HBXH** • Top hat with 347-480V AC • 304 Stainless steel forward • Hook step down transformer throw bracket (consult factory when using with hook or loop) HBXW2 HBXL **HBXDUALBRCKT** Swivel bracket and cable • Loop Dual bracket H gland HBXW3 Swivel bracket

HBXCUCeiling / wall mount



# HBXREF22

• 22" Acrylic reflector (must be ordered with high bay, not a retrofit option) HBXCGCable gland

# HBXLENGC

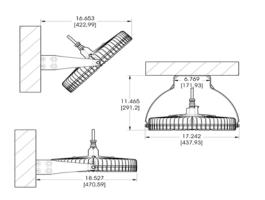
- Clear tempered glass
- HBXLENAC
- Acrylic lens, clear
- HBXLENAD
- Acrylic lens, diffused
  HBXLENPC
- Polycarbonate lens, clear

#### HBXLENPD

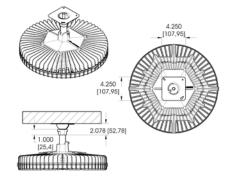
 Polycarbonate lens, diffused

# DuroSite LED High Bay - UL Options and Accessories Drawings

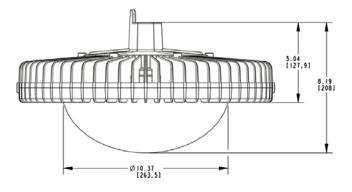
HBXW2 - Swivel Bracket and Cable Gland (8,000 - 17,000lm)



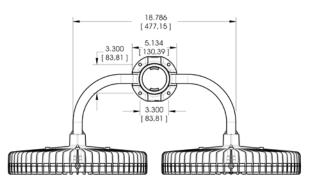
HBXCU - Ceiling Mount



LBXLENP - Dome Lens



HBXDUALBRCKT - Dual Bracket

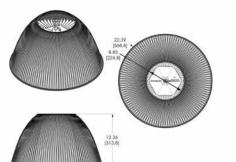


HBXREF22 - 22" Acrylic Reflector

CLEAR ACRYLIC SPACER

> 2.0 (51)

TORQUE SCREW MINIMUM 50 IN-LBS



HBXREF22 - 22" Acrylic Reflector



3.0

(76.2)

# **North American HQ**

1501 Route 34 South Farmingdale, NJ 07727 Tel: 732-919-3119 Fax: 732-751-5778 info@dialight.com

#### **Houston office**

16830 Barker Springs Rd Ste 407 Houston, TX 77084

### EMEA HQ

Exning Road, Newmarket Suffolk, England, CB8 0AX Tel: +44 (0) 1638 665161

# Australia office

38 O'Malley St Osborne Park WA 6017 Tel: +61 (0) 8 9244 7600 Fax: +61 (0) 8 9244 7601

### Brazil

Av. Joao Antonio Meccatti, 1601 – Galpao 07 – Jd Planalto Jundiai – SP – 13211-223 Tel: +55 (11) 4431-4300 Fax: +55 (11) 4431-4300 Email:vendas.brasil@dialight.com

# Middle East office

Level 42 Emirates Towers (Office Tower Sheikh Zayed Road Dubai, United Arab Emirates Tel: +971(0)4319 7686

#### Southeast Asia office

240 Macpherson Road #07-05 Pines Industrial Building Singapore 348574



Dialight reserves the right to make changes at any time in order to supply the best product possible. The most current version of this document will always be available at:

www.dialight.com/Assets/Brochures\_And\_Catalogs/Illumination/MDEXHBX001.pdf

Warranty Statement: EXCEPT FOR THE WARRANTY EXPRESSLY PROVIDED FOR [HEREIN/ABOVE/BELOW], DIALIGHT DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, AND NONINFRINGEMENT.