

for Indoor and Outdoor Industrial Applications



Features & Benefits

- L70 rated for >100,000 hours
- 10 year full performance warranty
- 140 LPW Typical
- Dual Mounting option available
- For 347 / 480V AC applications, consult factory
- Significantly reduced glare
- Instant on/off
- Maintenance free
- Mercury free
- No UV or IR
- Resistant to shock and vibration.

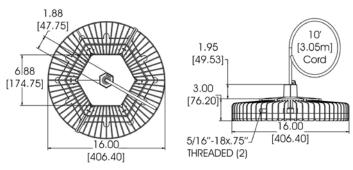
Application

At 140 lumens per Watt, Dialight's new ultra-efficient industrial LED High Bay revolutionizes the world of LED lighting and is by far the most innovative LED fixture available today. With a market-leading 10 year full performance warranty, the new 25,250 lumen high bay utilizes cuttingedge optical and electrical design to provide for significantly reduced glare and superior light distribution.

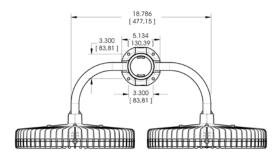
Standard Models



Patent pending



Dimensions in inches [mm]



Dimensions in inches [mm]

Certifications & Ratings

• UL 1598/A

CSA 22 #250

CE

• NEMA 4X

IP66 / 67

Mechanical Information:

 Fixture weight:
 18 lbs (8.16kg)

 Shipping weight:
 24 lbs (10.8kg)

 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: 110 – 277V AC

347 / 480V AC

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 topcoatChemical-resistant epoxy primer

Lens: Tempered glass

Photometric Information:

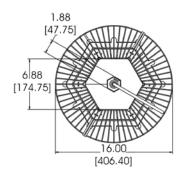
CRI: 75

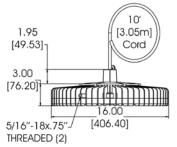
CCT: 5000K (cool white)

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

Variable Dimming Models







Dimensions in inches [mm]

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

Mechanical Information:

Fixture weight: 20 lbs (13.34kg) Shipping weight: 27 lbs (9.62kg) (1) 3/4" NPT - top (2) 5/16"-18 x .75" UNC - side Mounting:

10' (3.05m) STOOW Power Cord **Entries:**

Variable Dimming:

Variable Dimming Cable: Two conductor cable Power Cable: Three conductor cable Dimming Cable Position: Top neck with AC cabling

Variable Dimming Control: 0-10V DC

10V DC = 100% light output 0V DC = 30% light output **Dimming Range:**

Electrical Specifications for High Bay:

Operating Voltage: 110 - 277V AC 347 / 480V AC

Total system power

consumption: See table

Operating Temp: -40°F to +149°F (-40°C to +65°C)

Harmonics: IEC 61000-3-2

FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; Noise requirement /EMC:

10V/m, 80MHz-1GHz

Protection devices capable of handling up to 6kV. Tested for 6kV/2 ohm Transient protection:

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:

CCT: 5000K (cool white)

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

Options and Accessories



HBXW3-SSL-316 HBXW3-SSL-304

• Stainless steel bracket



HBXCAB48

 48" long stainless steel safety rope (for use with safety bracket)



HBXDC

- 21° slope dust cover
 HBXDC45
- 45° slope dust cover **HBXDC60**
- 60° slope dust cover



HBXW3-SSL-304FT

• 304 Stainless steel forward throw bracket

HBXW3-SSL-316FT

• 316 Stainless steel forward throw bracket



HBXTH347480

 Top hat with 347-480V AC step down transformer



HBXH

Hook



HBXW2

Swivel bracket and cable gland

HBXW3

Swivel bracket



HBXL

Loop



HBXDUALBRCKT

Dual bracket



HBXCU

· Ceiling / wall mount



HBXREF22

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



HBXCG

• Cable gland



HBXLENAC

• Acrylic lens, clear

HBXLENGC

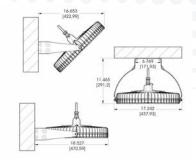
· Glass lens, clear

HBXLENPC

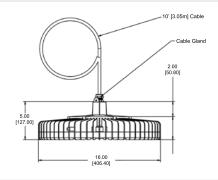
· Polycarbonate lens, clear

Options and Accessories Drawings

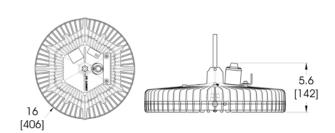
HBXW2 - Swivel Bracket and Cable Gland



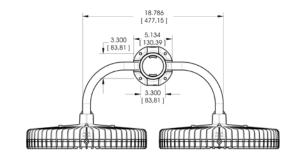
HBXCG - Cable Gland



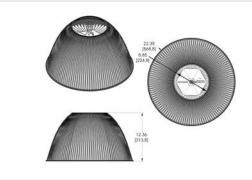
HEGMxxxx-SGG - Safety Bracket and Fuse Options



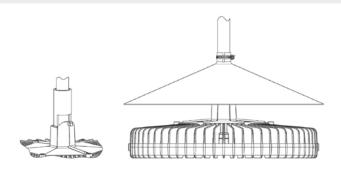
HBXDUALBRCKT - Dual Bracket



22" Acrylic Reflector - Consult factory



HBXDC - Dust Cover



Ordering Information and Mounting Accessories



110 - 277V AC models



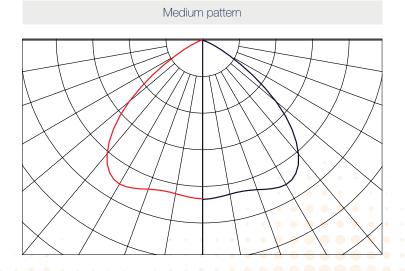
347 / 480V AC models

Part Number	Fixture Lumen	Watt	LPW	Wet Location	Voltage	CCT	Lens	Optical Pattern
Standard Models								
H2GMC4NN-SNG	25,250	180	140	IP66	110 - 277V AC	5000K (cool white)	Tempered glass	Circular
H2GMC5NN-SNG	25,250	209	121	IP66	347V AC	5000K (cool white)	Tempered glass	Circular
H2GMC5NN-SNG	25,250	192	132	IP66	480V AC	5000K (cool white)	Tempered glass	Circular
Variable Dimming Models								
H2GMC4ND-SNG	25,250	180	140	IP66	110 - 277V AC	5000K (cool white)	Tempered glass	Circular

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

1For models needing a Safety Bracket, replace the 10th character with an S. Example H2GMC4NN-SNG becomes H2GMC4NN-SSG.

Light Distribution Pattern



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