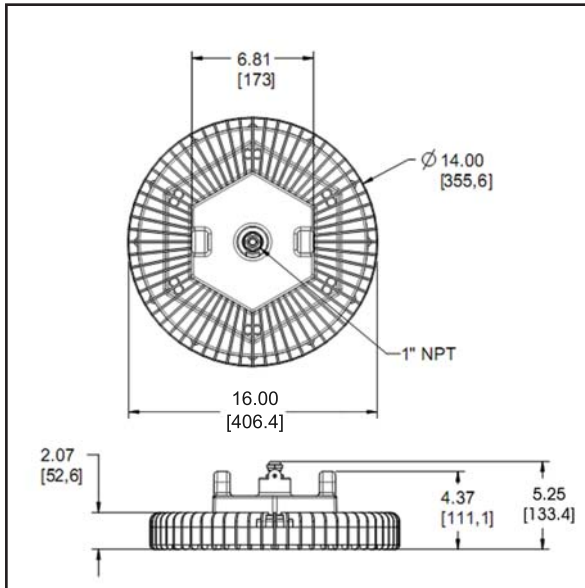




## HB Series LED High Bay Fixture



Dimensions in Inches [mm]

### Certifications & Ratings:

- ▷ CE
- ▷ Certified to UL1598 (pending)
- ▷ IP66 / NEMA 4X (pending)
- ▷ CSA 22.2 #250 (pending)

### Features & Benefits:

- ▷ Low power consumption
- ▷ Instant on/off operation
- ▷ Universal input (120-277 VAC), 50/60Hz
- ▷ Superior color rendition index compared to HPS, LPS, MH, MV
- ▷ Mercury free
- ▷ Resistant to shock and vibration
- ▷ Temperature compensation technology for longer life
- ▷ >70% lumen maintenance after 60,000 operating hours

### Application:

The first of its kind, the Dialight HB series LED High Bay luminaire was designed specifically to replace conventional high bay lighting fixtures in industrial and other rugged applications. Its low profile light weight design allows for increased mounting versatility and ease of installation.

All of Dialight's long life LED luminaires are designed to meet the most demanding specification criteria while offering maximum energy savings, reduced maintenance costs, and a superior quality of light.

### Mechanical Information:

Fixture Weight: 23 lbs (10.4kg)

Mounting: Threaded 1" NPT

### Electrical specifications:

Operating Voltage: 120-277VAC, 50/60 Hz

Total System Power Consumption: 150W

Operating Temp: -40°F to +133°F (-40°C to +55°C)

Harmonics: IEC 6100-3-2

Surge / Lightning Protection: 1 kV line to line  
2 kV line to ground

THD: < 15%

Power Factor: > 0.95

### Construction:

Body: Powder Coated Aluminum

Lens: Diffused Acrylic

Included Accessories: 10' cord  
Cable gland

### Photometric Information:

CRI (typ): 70

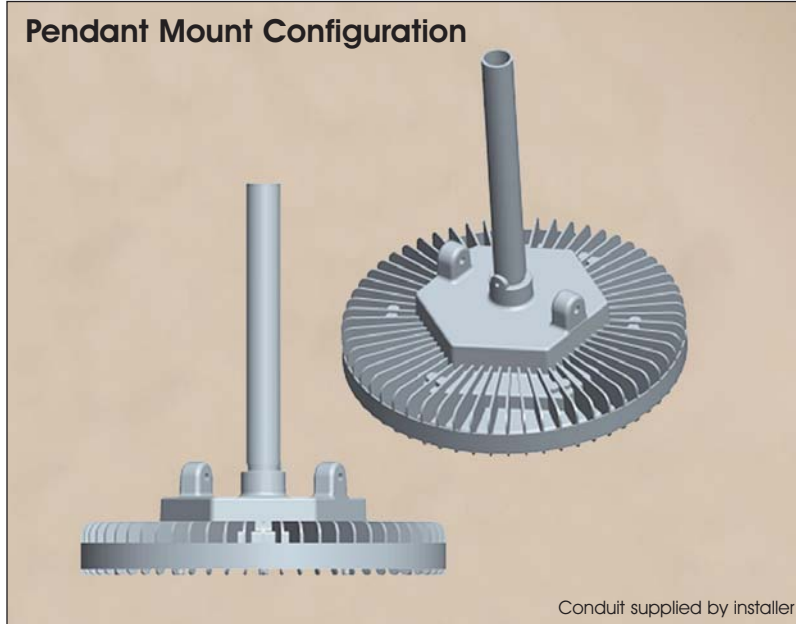
CCT: 6000K (cool white)



Designed in the U.S.A  
Meets Buy American requirements  
under the American Recovery and  
Reinvestment Act 2009

Part Number	Max Fixture Power Consumption	CCT	Initial Fixture Lumens
HB3C4G	150W	6,000K	8,000

# HB Series High Bay Fixture Mounting Configuration



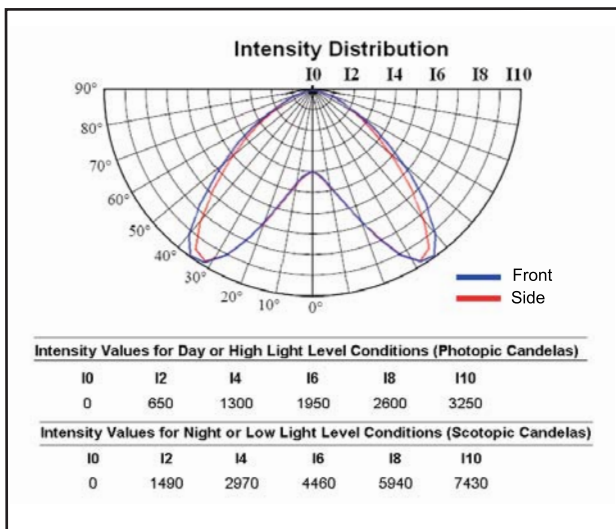
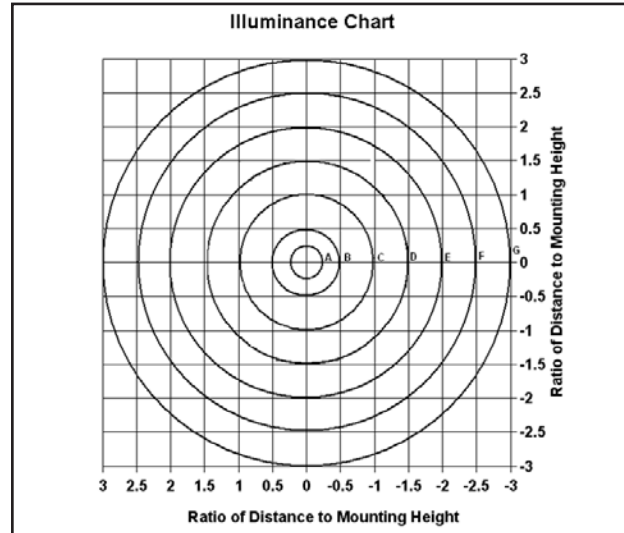
## HB Series High Bay Fixture Light Measurement Data

Illuminance for Day or High Light Level conditions (Photopic Footcandles)

Mounting Height (ft)	Zones						
	A	B	C	D	E	F	G
8	22.50	28.80	18.00	5.20	1.60	0.60	0.30
12	10.00	12.80	8.00	2.31	0.71	0.27	0.13
16	5.63	7.20	4.50	1.30	0.40	0.15	0.08
20	3.60	4.61	2.88	0.83	0.26	0.10	0.05
25	2.30	2.95	1.84	0.53	0.16	0.06	0.03
30	1.60	2.05	1.28	0.37	0.11	0.04	0.02
40	0.90	1.15	0.72	0.21	0.06	0.02	0.01

Illuminance for Night or Low Light Level conditions (Scotopic Footcandles)

Mounting Height (ft)	Zones						
	A	B	C	D	E	F	G
8	51.30	65.66	41.04	11.86	3.65	1.37	0.68
12	22.80	29.18	18.24	5.27	1.62	0.61	0.30
16	12.83	16.42	10.26	2.96	0.91	0.34	0.17
20	8.21	10.51	6.57	1.90	0.58	0.22	0.11
25	5.25	6.72	4.20	1.21	0.37	0.14	0.07
30	3.65	4.67	2.92	0.84	0.26	0.10	0.05
40	2.05	2.63	1.64	0.47	0.15	0.05	0.03



\*Typical Example of 100' x 100' Room (Based on 30' Mounting Height)

Number of Foot Candles (on the ground)	# of Fixtures
6	9
10	16
16	25

\*Ceiling Reflectance = 0.8  
 Wall Reflectance = 0.5  
 Floor Reflectance = 0.2

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