

LRH - LED Round Highbay



project name	type
catalog number	
comments	voltage
approved by	date

161/
215
watts

16,000/
24,000
lumens

100
lpw

60,000
hours

features

- Cost-effective solid state LED solution for high-bay and lowbay applications provides one-for-one replacement of 250W and 400W HID and multi-lamp fluorescent luminaires
- 100 lpw ultra-high efficiency delivers superior performance over legacy fluorescent and HID highbays
- Lightweight construction (14.5 lbs) allows for quick and easy installation for both remodel and new construction
- Compact low-profile round design with 16" spun aluminum white reflector and 16" overall height allows for mounting in tight spaces
- Comes standard with die cast aluminum mounting hook for quick mounting to loop (installed by others)
- UL/cUL listed for damp locations
- 5-year limited system warranty

performance

- LRH160U – 16,000 LM @ 161W
Typically replaces:
250-400W Metal Halide
4T5HO or 6T8 Fluorescent
- LRH240 – 24,000 LM @ 215W
Typically replaces:
400W Metal Halide
6T5HO or 8T8 Fluorescent
- Luminaire Efficacy Ratio (LER):
100 lpw
- CRI > 70
- -40°C to 40°C ambient environments
- CCT: 5000K +/- 500K
- 14.5 lbs

applications

- Warehouses
- Manufacturing Plants
- Distribution Centers
- Grocery Stores
- Gymnasiums
- Indoor Recreational Facilities
- Cold Storage
- Big Box Retail
- Service Repair Centers

ordering information

Order Code	Litespan Part #	Series	Output	CCT	Finish	Driver	Voltage	DLC
08792	LRH160U	LRH - LED Round Highbay	160 - 161W/16,000 LM	5000K	White	0-10V Dimming	U - 120-277V	✓
08821	LRH160U-347V	LRH - LED Round Highbay	160 - 161W/16,000 LM	5000K	White	0-10V Dimming	347V - 347V	
08793	LRH240U	LRH - LED Round Highbay	240 - 215W/24,000 LM	5000K	White	0-10V Dimming	U - 120-277V	✓
08822	LRH240-347V	LRH - LED Round Highbay	240 - 215W/24,000 LM	5000K	White	0-10V Dimming	347V - 347V	✓

accessories (sold separately)

Order Code	Litespan Part #	Description
09013	LRH-WG	LRH Wireguard 16"
09031	LRH-LFG	LRH Flat Glass Lens 16"
09032	LRH-LDP	LRH Drop Polycarbonate Lens 16"
09033	LRH-CBS	LRH Clamp Band w/ Screw 16"
09243	LRH-ARL	LRH Acrylic Refractor Lens



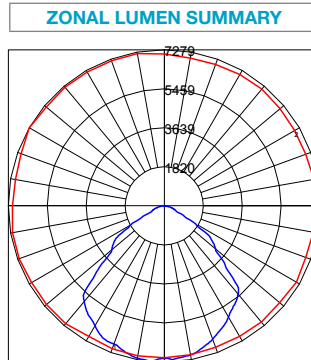
LRH - LED Round Highbay

photometrics

LRH160U

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-20	2633	16.20%
0-30	5637	34.80%
0-40	9318	57.50%
0-60	14899	91.90%
0-80	16133	99.50%
0-90	16208	100.00%
90-180	7	0.00%
0-180	16214	100.00%

SPACING CRITERION S/MH	
(0-180)	1.26
(90-270)	1.32
Diagonal	1.34

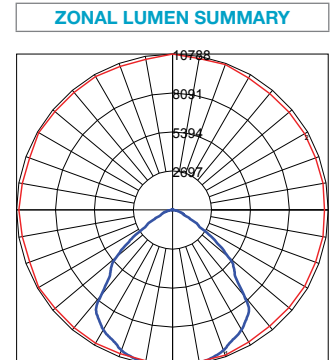


Max. Candela = 7278.9 Located At Horiz. Angle = 150, Vert. Angle = 5
1 - Vert. Plane Thru Horiz. Angles (150 - 330) (Thru Max. Cd.)
2 - Horiz. Cone Thru Vert. Angle (5) (Thru Max. Cd.)

LRH240U

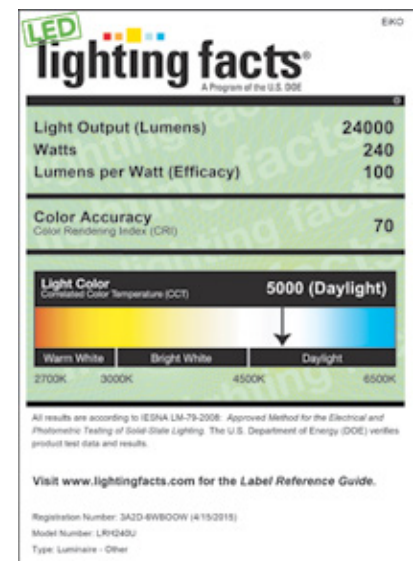
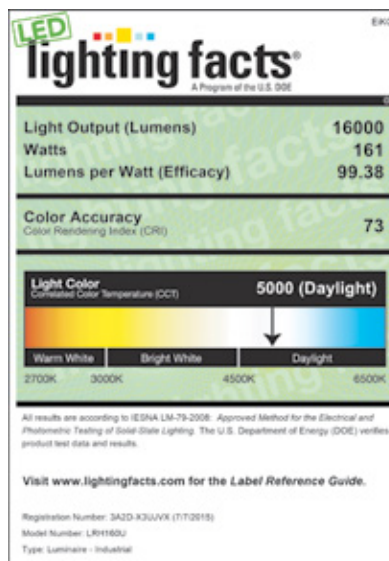
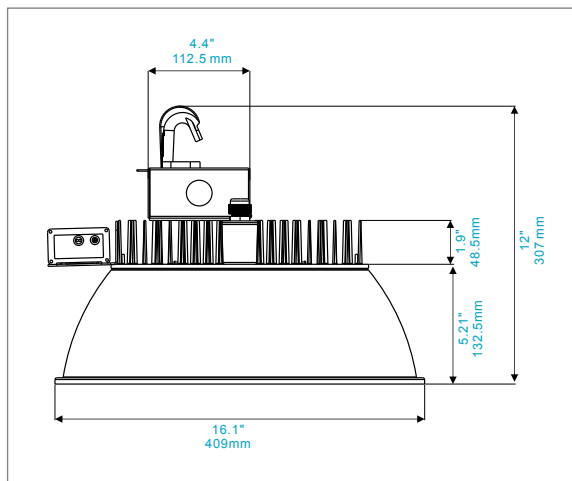
ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-20	3930	16.5%
0-30	8404	35.3%
0-40	13884	58.2%
0-60	21831	91.6%
0-80	32705	99.4%
0-90	23816	99.9%
90-180	21	0.1%
0-180	23838	100.0%

SPACING CRITERION S/MH	
(0-180)	1.26
(90-270)	1.34
Diagonal	1.32



Max. Candela = 10788.06 Located At Horiz. Angle = 90, Vert. Angle = 6
1 - Vert. Plane Thru Horiz. Angles (90 - 270) (Thru Max. Cd.)
2 - Horiz. Cone Thru Vert. Angle (6) (Thru Max. Cd.)

dimensions



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