

PRODUCT DESCRIPTION

The LED C1D2 Rated Highbay (HZHB-C1D2) is an explosion proof luminaire certified for use in all types of hazardous rated locations. This luminaire features a vapor proof housing and and optcs options for task and general area illumination in applications like Petroleum Production & Refining, Petroleum Loading & Transport, Petroleum Storage & Retail, all types of paint facilities, Pumping Stations in any Environment, Metal Smelting, Foundry and Fabrication, all Mining Operations & Service, Ocean Platform Operational Facilities & Structure, Aerospace Clean Room and Production, Chemical Production & Storage, Ocean Vessel Operations, all Military Spec. Conditions, Flour & Fine Particle Production and Storage, Food & Distilling Production, all Types of Electrical Power Generation & Stations, other High Humidity, Vapor, Dust Particle & High Temperature Locations

FEATURES

- High efficacy: up to 140lm/W
- Surface mounting and pendant installation
- Wide and narrow optics for uniform illumination
- Copper free aluminum
- High vibration resistance
- Suitable for Marine and Wet Locations
- 5 Year Warranty

PERFORMANCE RATINGS AND CERTIFICATIONS

UL1598A, UL844, cETL, RoHS, Class I, Division 2, Groups A,B,C,D | Class II Division 1&2 Group E,F,G | Class III

PERFORMANCE SUMMARY

Lumens: 2800 (20W), 5600 (40W), 8400 (60W), 11200 (80W), 14000 (100W), 16800 (120W), 21000 (150W), 28000 (200W)

Lumens per Watt: 140

CRI-Minimum: ≥ 70

CCT: Cool White (5000K), Natural White (4000K)

Watts: 20W, 40W, 60W, 80W, 100W, 120W, 150W, 200W

Operating Environment:

Optical Distribution: 40°, 60°, 90°, 120° Beam Angle



KIT INFORMATION

Finish: Marine Grey

Mounting: Adjustable Yoke Mount for Wall Mounting, Ceiling Mounting

Dimensions: 20W, 40W, 60W: 10.40" x 6.30" x 8.10", 80W, 100W: 12.60" x 9.40" x 6.50", 120W, 150W, 200W: 15.00" x 9.10" x 10.60"

ELECTRICAL SYSTEM CHARACTERIZATIONS

Voltage: 120 - 277VAC, 50/60 Hz, 200-480V AC (optional)

Dimming: 0-10V dimming (optional)

Power Factor: ≥ 0.9

Total Harmonic Distortion: $\leq 20\%$

WARRANTY

5 Year Standard Warranty Limited

ORDERING MATRIX

Example: ST-HZHB-C1D2-100W-CW-MT-PM

Family	Product	Watts	Color Temp	Voltage	Options
ST	HZHB = LED C1D2 Rated Highbay	20W 40W 60W 80W 100W 120W 150W 200W	CW = Cool White (5000K) NW = Natural White (4000K)	MT = 120-277VAC 50/60 Hz HV= 200-480VAC	DM = 0-10V Dimming None (Leave Blank)

