

Product Description

The Iris RL C1D2 linear vapor tight is designed for use in hazardous locations where flammable gases, vapors, or liquids might be present during normal facility operations. The combination of the style and design of new LED technology, with the ruggedness and durability of a hazardous location fixture, makes it ideal for retrofit of existing HPS/MH, and offers higher efficacy for energy savings, lower maintenance costs and shorter payback.

> Quick Ship - In Stock, Ready to Ship

Project:		Type:
Location:		
Prepared By:		Date:
Comments:		

Performance Summary

- Energy-efficient Philips Lumileds SMD LEDs with high efficacy >140 Lm/W
- USA assembled product with quick warranty support
- In stock and ships from several U.S. locations for quick delivery
- Better visibility than HID or fluorescent with crisp, white light
- Patented design with high quality components, excellent choice for retrofitting
- Listed for hazardous locations per UL for Class 1, Div 2, Groups A, B, C, D
- Heavy duty and high impact resistance
- Solid State with high-shock and vibration resistance - 3G vibration tested - IK10
- Patented heat dissipation design for optimum efficiency - T4 temperature rating
- National listing lab tested to IES standards with Type V wide 120 degree optic
- High lumen maintenance exceeds DOE requirements
- 1/9th LED micro color binning enables tight color control
- Aluminum alloy latches and clips
- Housing is fiber reinforced plastic with milky white epoxy powder coating
- CNC machined LED boards are flatness controlled to 0.1mm for heat dissipation
- Replaceable aluminum LED boards with copper tracings for best thermal management
- LED array manufactured using a state-of-the-art SMT machine
- Copper condensation valve balances the air pressure and prevents vapor accumulation
- Cooling fins are added to the heatsink for low temperature and higher efficiency
- UV stabilized, impact-resistant fiberglass reinforced transparent polycarbonate lens
- Safety interlock kit design
- Mounting by surface mount, suspended by chain, or conduit pendant
- Patented double waterproofing design on the radiator to prevent condensation
- Advanced constant current 0-10V dimming Meanwell power supply
- Fast turn on with no warm up or cold start issues
- High power factor with IC controlled LED circuits and low THD driver
- Low junction temperature for long life and low lumen depreciation
- Instant illumination and restrike with no warm up or cold start issues
- Contains no mercury, lead, infrared or UV radiation and cool to the touch
- Commercial CRI: RA>70, enhances original colors
- Operating temperature: -40 to 60 degrees celsius (-40 to 140F)
- 150,000 hour L70 LED life - IP66 rated for outdoor locations
- Certifications: CE, RoHS, Ex, IECEx, IEC, energyAPI, UL HazLoc, UL, cULus
- 10 year limited warranty

Iris RL C1D2

Class 1, Division 2 Hazardous Linear Vapor Tight
LED Luminaire



Applications:

Oil and Gas industry

- All petroleum production and refining
- Petroleum loading and transportation
- Petroleum storage and retail
- LNG industry
- All mining operations and service

Chemical industry

- All types of paint facilities
- Chemical production and storage

Ocean, marine and aerospace field

- Ocean platform operation facilities and structure
- Aerospace clean room and production
- Ocean vessel operations

Metal treatment

- Steel and aluminum factories
- Pumping stations in any environment
- Metal smelting, foundry and fabrication

Food and alcohol industry

- Flour and fine particle production and storage
- Food and distilling production
- Alcohol industry



Explosion Protection:

ATEX

- II 2 G Ex db eb mb IIC T5/T6 Gb
- II 2 D Ex tb IIIC T95°C/T85°C Db IP66

IECEx

- Ex db eb mb IIC T5/T6 Gb
- Ex tb IIIC T95°C/T85°C Db

UL844

- Class I, Division 2, Groups A, B, C, D
- Class II, Division 1, Groups E, F, G
- Class II, Division 2, Groups F, G
- Class III

Marine

- UL 1598
- UL 1598A
- UL 844

Models:

- WDEX30RL - 30W - 4200 Lm - 29.5" (L) x 7.9" (W) x 4.7" (H) - 8.8 Lbs
- WDEX50RL - 50W - 7000 Lm - 53.1" (L) x 7.9" (W) x 4.7" (H) - 17.6 Lbs

Ordering Information:					Part Number:
Ordering Example: WDEX30RL-50-T5-V27-WT					
Family	CCT	Optic	Voltage	Finish	
WDEX30RL WDEX50RL	50 - 5000K	T5 - 120 Degrees	V27 - 100-277V	WT -White	



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Dimensions, specifications, and product pictures are subject to change without notice.

The product on this page is a manufactured to order, non-stocking item. This product cannot be returned for refund or credit.

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