

Product Description

The Iris R2 Class 1, Division 2 Hazardous Location linear flood light luminaire is designed to replace HID lighting systems up to 400w HPS. Typical lighting applications include oil and gas, chemical, ocean, marine, aerospace, metal treatment, food, and alcohol industries. The fixture is designed for high humidity, high dust, high temperature, and vapor locations.

> Quick Ship - In Stock, Ready to Ship

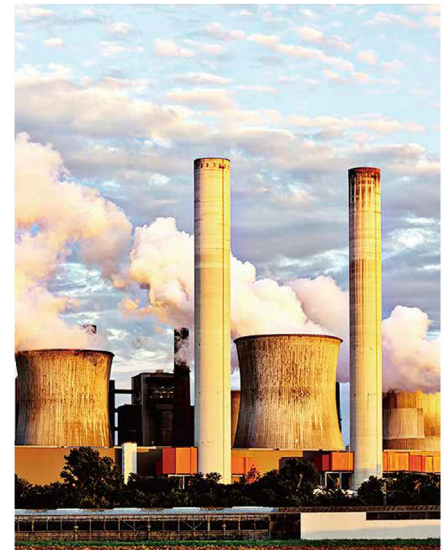
Project:		Type:
Location:		
Prepared By:		Date:
Comments:		

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- IK09
- 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
- Stainless steel housing and surface mount bracket
- Housing is sandblasted and polished for corrosion resistance, rust free and fadeless
- Streamlined housing, no rough edges or scraping, with SUS316 stainless steel hardware
- 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
- Polycarbonate lens over the LEDs with high transmittance and impact resistance
- 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)
- 100,000 hour LED life - IP66 rated for outdoor locations
- Certifications: CE, RoHS, Ex, IECEx, IEC, energyAPI, UL HazLoc, UL, cULus
- 10 year limited warranty

Iris R2 C1D2

Class 1, Division 2 Hazardous Linear Flood
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:

- WDEX30R2 - 30W - 4200 Lm - 29.5" (L) x 7.9" (W) x 4.7" (H) - 8.8 Lbs
- WDEX40R2 - 40W - 5600 Lm - 29.5" (L) x 7.9" (W) x 4.7" (H) - 8.8 Lbs
- WDEX50R2 - 50W - 7000 Lm - 53.1" (L) x 7.9" (W) x 4.7" (H) - 17.6 Lbs
- WDEX60R2 - 60W - 8400 Lm - 53.1" (L) x 7.9" (W) x 4.7" (H) - 17.6 Lbs

Ordering Information:					Part Number:
					Ordering Example: WDEX50R2-50-T5-V27-PT
Family	CCT	Optic	Voltage	Finish	
WDEX30R2 WDEX40R2 WDEX50R2 WDEX60R2	50 - 5000K	T5 - 120 Degrees	V27 - 100-277V	PT - Platinum	



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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.

F6

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