Pan American
Professional Lighting Manufacturer



HAZARDOUS LOCATIONS LED LUMINAIRE

RL SERIES (Zone 1)



Ex IECEx IP66 IK10 DIMMABLE 140 lm/W 5 YEARS WARRANTY

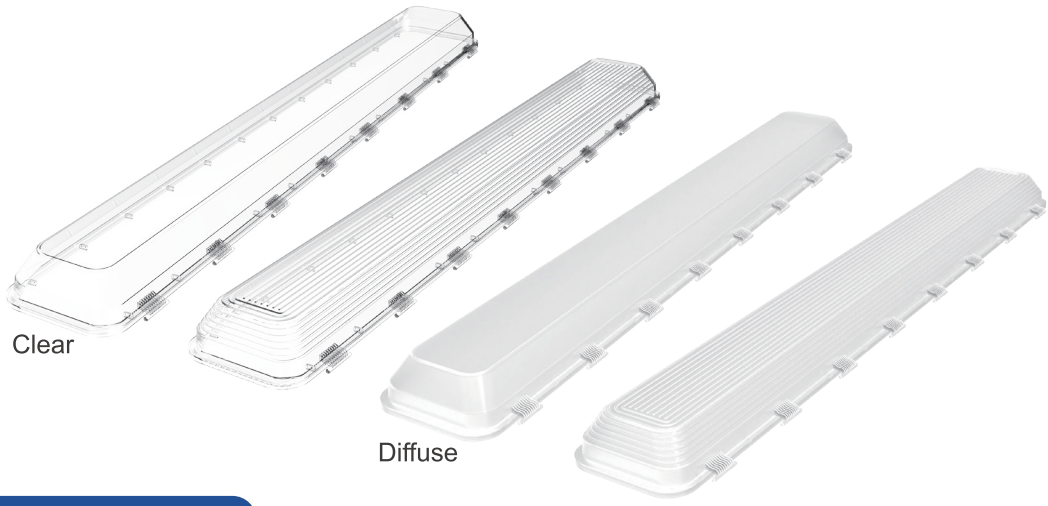
LUMINAIRE RL SERIES

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Built-in low voltage Microwave Sensor (optional)

Interlock Kit



Clear

Diffuse

Product Description

The RL series 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 rugged -ness 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. The optional battery backup system provides a minimum of 180 minutes operation after AC power is lost during an emergency.

Compliance

- IECEx Marking:

  Ex db eb mb IIC T6...T5 Gb
  Ex tb IIIC T80°C...T95°C Db Or
  Ex eb mb IIC T6...T5 Gb
  Ex tb IIIC T80°C...T95°C Db

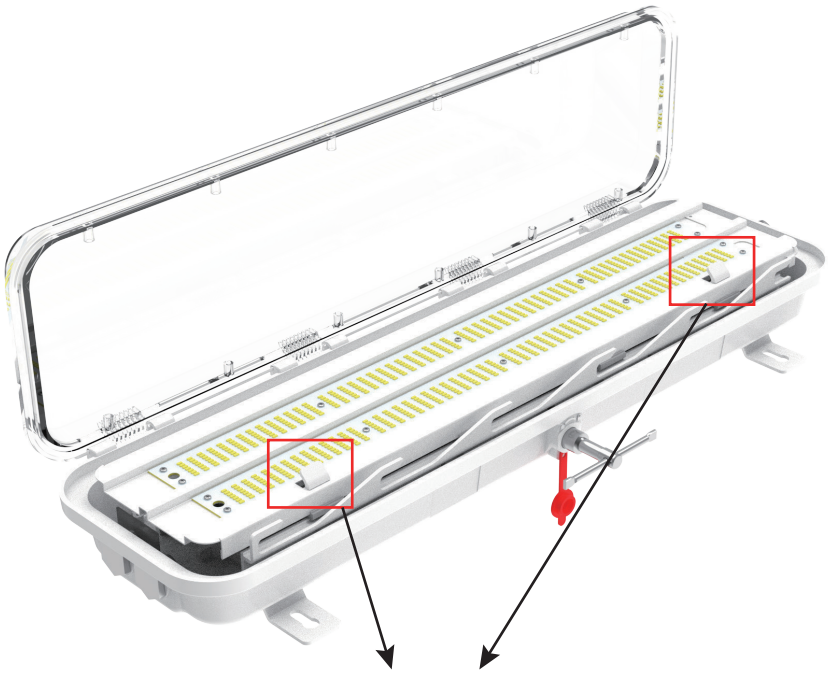
- ATEX Marking:

  II 2 G Ex db eb mb IIC T6...T5 Gb
  II 2 D Ex tb IIIC T80°C...T95°C Db
  II 2 G Ex eb mb IIC T6...T5 Gb
  II 2 D Ex tb IIIC T80°C...T95°C Db

- DNV
- ABS
- Vibration 3G
- NEMA Type 4X
- IP66
- IK10

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Features

- UV stabilized, impact-resistant fiberglass reinforced polycarbonate lens
- Available in two and four foot lengths
- Safety interlock kit design
- 0-10V dimming
- Replaceable LED light strip, replaceable driver
- Water-proof, vapor-proof, dust-proof, and corrosion resistant, great reliability
- Eemergency battery back-up optional
- The tool facilitates convenient opening and closing, prevents the lampshade from falling, and significantly improves maintenance efficiency and operational safety.

Application &Warranty

- Power Plants
- Heavy Industrials Storage Facility
- Paper mills
- Wastewater Treatment Plants
- Loading Docks Platforms
- Offshore Environments
- Chemical Processing Facility
- Petrochemical Processing Facility
- Metallurgical Industry
- Coal Mine
- Food and Alcohol industry

2-Year Standard Warranty for Battery Backup
5-Year Standard Warranty for Fixture

50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Technical Parameter

Electrical

Specification	EX-xxW RL2	EX-xxW RL4
Power in Normal Mode	20/30/35/40/50/60W	20/30/40/50/55/60/75/80/100W
Input Voltage	100-277 VAC or 200-277 VAC Dc input: 125-270VDC	
Input Frequency	50/60Hz	
Emergency Function	Optional	
Power in Emergency Mode	10W	
Emergency Time	180 minutes	
Power Factor	> 0.9	
Driver Efficiency	≥90%	
Dimming	Driver includes dimming control wiring for 0-10V dimming systems Requires separate 0-10V DC dimming circuit	

Optical

Specification	EX-xxW RL2	EX-xxW RL4
Lumen Output (Normal Mode)	2800lm - 8400lm	2800lm - 14000lm
Luminous Efficacy	140 lm/W	
Beam Angle	120°	
CCT	1700K/2000K/2700K/3000K/4000K/5000K/6000K/6500K	
CRI	Ra>70	

Mechanical

Specification	EX-xxW RL2	EX-xxW RL4
Housing Material	FRP (Fiber Reinforced Plastics)	
Diffuser Material	Transparent fiberglass-reinforced polycarbonate (standard) Diffuse fiberglass-reinforced polycarbonate (optional)	
Gasket	Silicone Rubber	
Color	Milky White	
Protection	IP66/IK10/3G Vibration/1200hrs salt spray	
Mounting	Ceiling, rope, and pole mount	
Cable entries	Normal Mode/ Emergency Mode: 4 x M20 (Side x1 open, Side x3 with stopping plugs) Note: M25, 3/4" NPT, or M25 can be achieved with an adapter. Customers needs to indicate which is required when placing an order.	

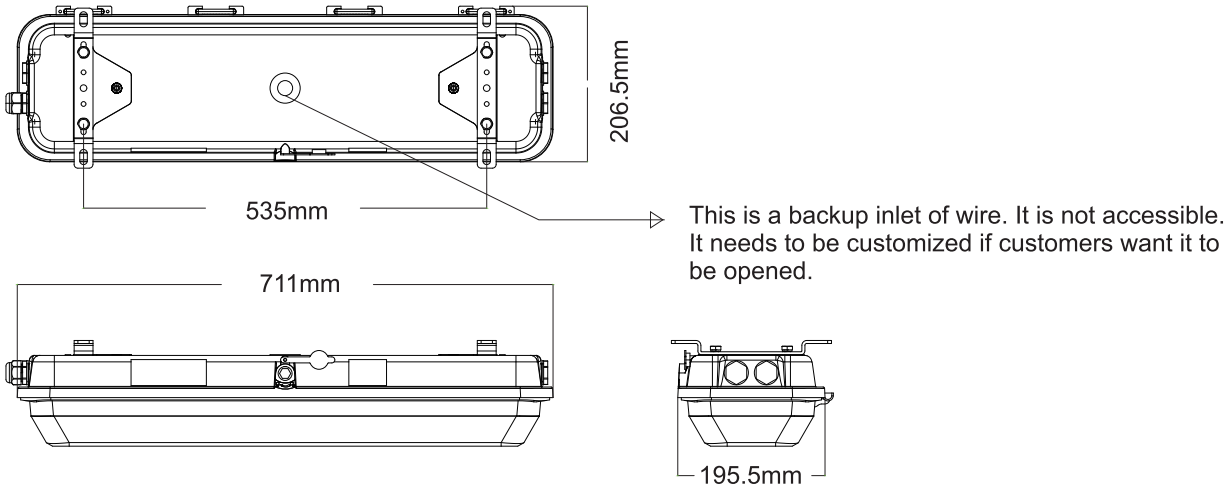
Environmental

Model	Normal	Emergency
EX-40W RL2	T5 / T95°C:-40°C to +65°C	T5 / T95°C:-5°C to +55°C
EX-60W RL4	T6 / T80°C:-40°C to +60°C	T6 / T80°C:-5°C to +55°C

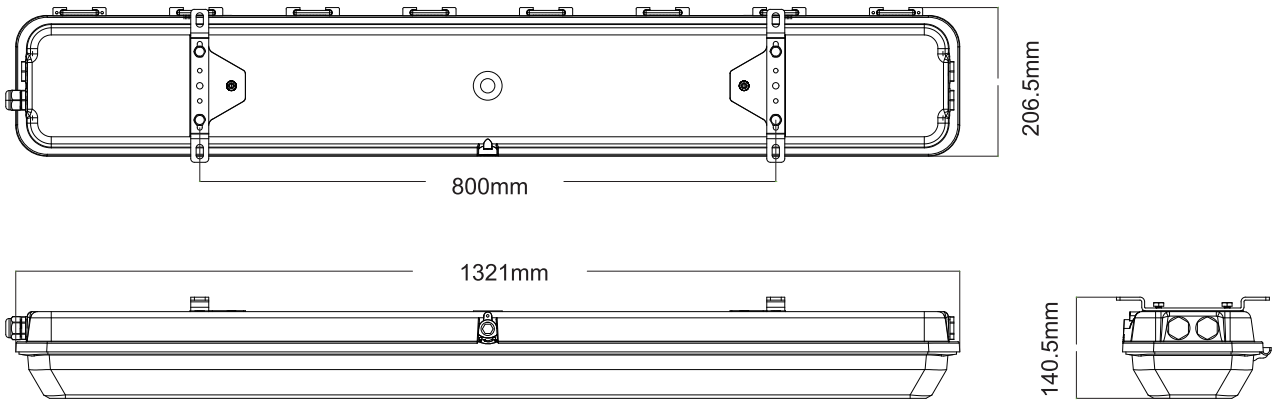
**Refer the IECEx certificate for exact temperature and T-code information.*

Product Dimensions

RL2



RL4

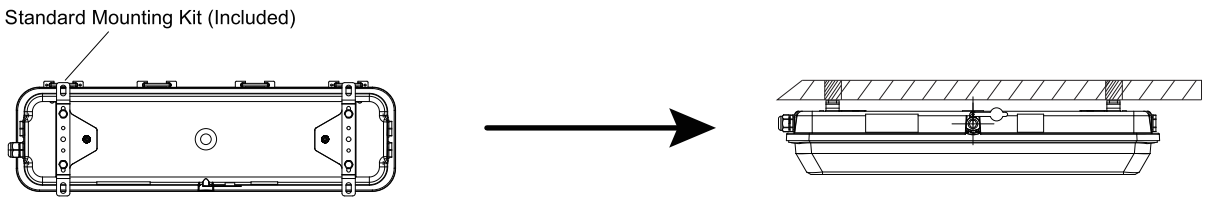


Packing Information

Model	Net Weight	Gross Weight	Quantity/Carton	Package Dimensions (LxWxH)
RL2 (standard)	4kg/8.8lb	7.3kg/16lb	1 pc	880x270x200mm
RL4 (standard)	8kg/17.6lb	13.6kg/29.9lb	1 pc	1480x270x200mm

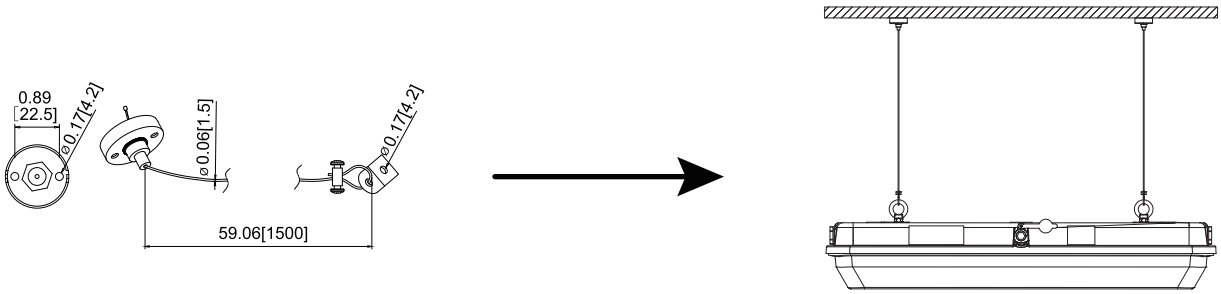
Mounting Methods

- Option 1: Ceiling Mounting



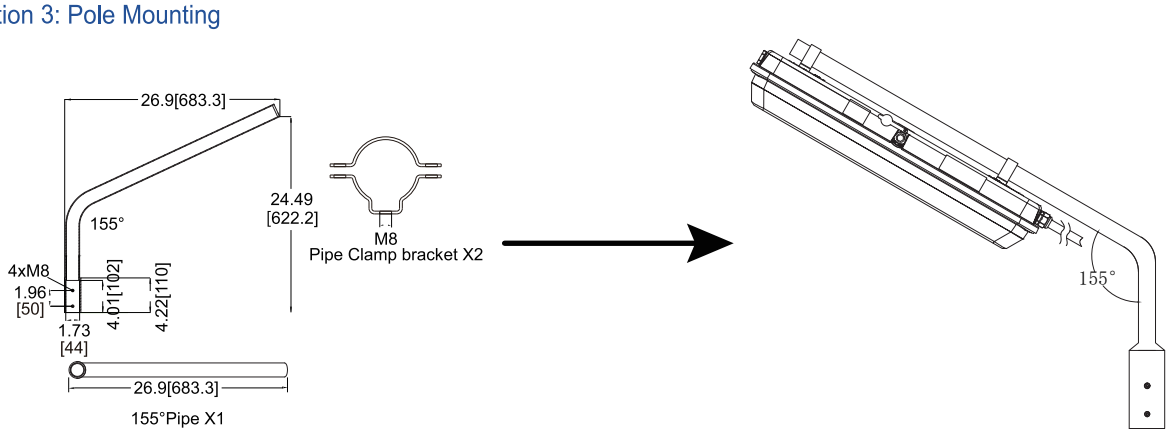
Provided with two stainless steel mounting kits welded at the back of Housing

- Option 2: Rope Mounting



Provided with two stainless steelwire.Measured 1mm diameter.

- Option 3: Pole Mounting



(1)155°Pipe
(2)Pipe Clamp bracket

Ordering Guide

EX - xxxW RL Y Z D * * * * * * * * *

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮

1.EX	Explosion Proof Light
2.Wattage	10W~100W
3.Original Series	RL2 RL4
4.Dimming function	D: Dimmable Blank: Non-dimmable
5.CCT	17,20,27,30,40,50,60,65 1700K,2000K,2700K,3000K,4000K,5000K,6000K,6500K
6.Beam Angle	D120=120°
7. Driver Enclosure Cover	B= Botton Frame P C= Botton Frame Q Q1= Botton Frame Q1 P1= Botton Frame P1 Blank= Botton Frame O
8. Lens Cover	B= Lens B C=Lens C Blank=Lens A
9. LED Light Source	Blank = Two LED PCBA with Aluminum heat sink S = ONE LED Board Strip T = TWO LED PCBA without Aluminum heat sink
10.Bar Base	Blank = Stainless Steel heat sink for Two LED Bars V= Aluminum heat sink for Two LED Bars W= Aluminum heat sink for Two LED Board Stips fixed by Screw X= Aluminum heat sink for One LED Board Strips fixed by Screw Y= Aluminum heat sink for Two LED Board Strips fixed by Clip Z= Aluminum heat sink for One LED Board Strips fixed by Clip
11.Lock Type	A- Towards one side B- Towards two side
12.Mounting	R- Rope mount P- Pole mount Blank- Ceiling or Wall mount
13.Input Voltage	Blank: 100-277 VAC or 200-277 VAC DC: Dc input: 125-270VDC
14.Wattage Adjustable	Blank: Without wattage adjustable T: With wattage adjustable
15.Emergency	E:Emergency function, Blank: No Emergency function