



Explosion Proof Linear Light R Series



Industrial Field & Hazardous Locations

VENAS

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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

Other high humidity, high dust, high temperature, vapor locations.



Explosion Protection

Marking ATEX

II 2 G Ex db eb mb IIC T5/T6 Gb

II 2 D Ex tb IIIC T95°C/T85°C Db IP66

Marking IECEX

Ex db eb mb IIC T5/T6 Gb

Ex tb IIIC T95°C/T85°C Db

Marking UL844 (North American)

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 Marking

UL 1598

UL 844

Other Rating

IP 66



Specification

Model	Wattage	Color Temperature	Voltage	Lumens	Warranty	CRI
EX-20W R2YZDA	2×10W/2ft	2200K-7000K	AC100-277/220-480V	2800	5 years	>70
EX-30W R2YZDA	2×15W/2ft			4200		
EX-30W R4YZDA	2×15W/4ft			4200		
EX-36W R4YZDA	2×18W/4ft			5040		
EX-48W R4YZDA	2×24W/4ft			6720		
EX-56W R4YZDA	2×28W/4ft			7840		
EX-60W R4YZDA	2×30W/4ft			8400		

“R2,R4”=Product code, “Y”=D or N:Dimmable or non-dimmable; “Z”=CCT, from 2200-7000K;

“D”=Beam angle, D120 for 120°; A for glass info. C for clear frosted.

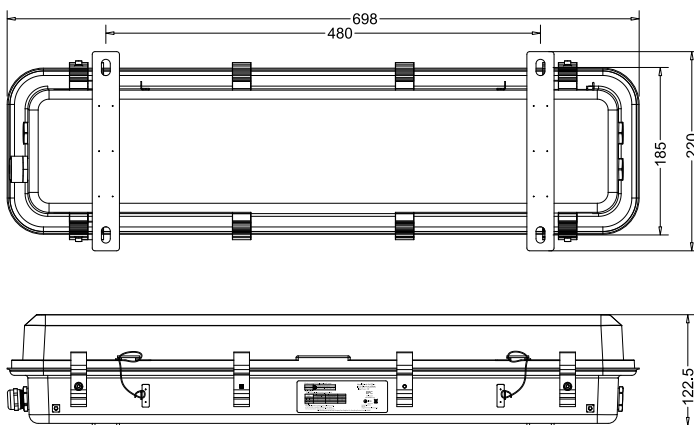
Packing Information

Model	Quantity/Carton	Packing Size(mm)	N.W(KG)	G.W(KG)
R2	1	820×250×180	4	5
R4	1	1320×220×180	8	10.7

Features

- Back-up battery (optional).
- AC or DC power supply available.
- Stainless steel body and PC cover.
- Heavy-duty and high impact resistance.
- Ambient range: -40°C - $+45^{\circ}\text{C}/60^{\circ}\text{C}$ (Normal).
- Ambient range: -10°C - $+45^{\circ}\text{C}/60^{\circ}\text{C}$ (Emergency) .
- High quality SMT LED and Meanwell Driver.
- Waterproof / vapor / dust / corrosion / explosion proof.

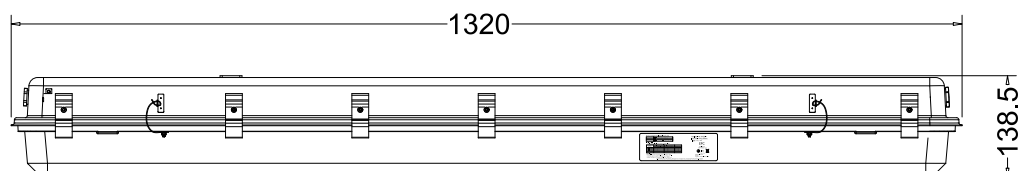
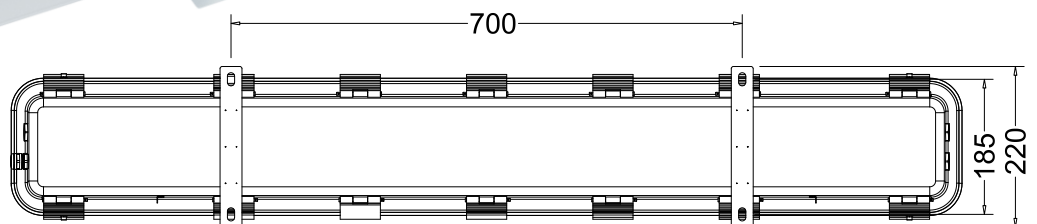
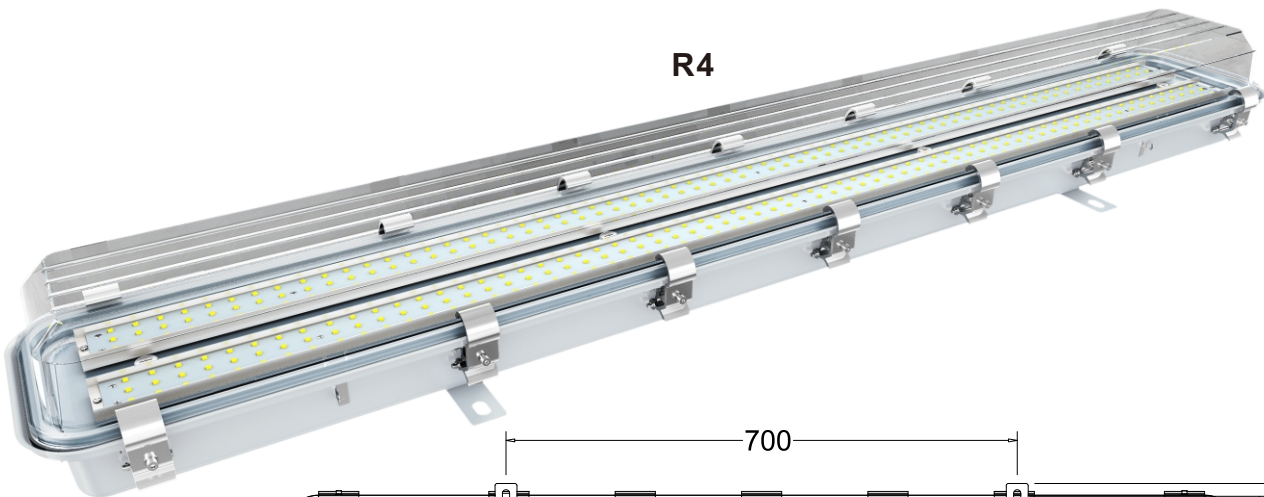
Dimension (mm)



R2

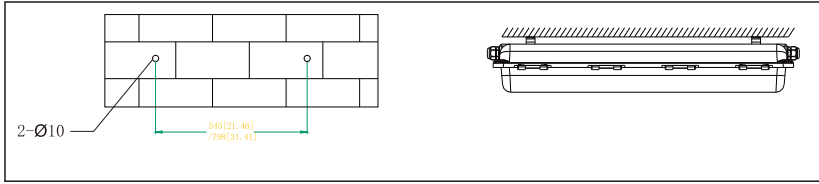


R4

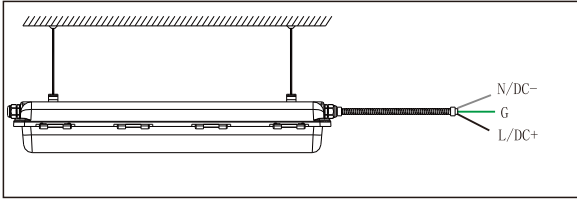


Mounting

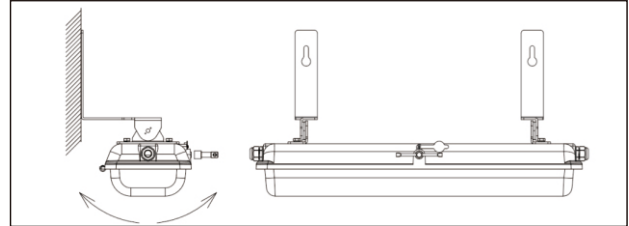
No.1: Surface Mounting



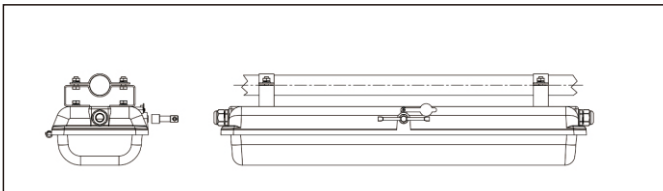
No.2: Pendant Mounting



No.3: Wall Mounting



No.4: Pole Mounting



Light Distribution

120D

	Center Beam fc	Beam Width	
17ft	14fc	51ft	51ft
34ft	3fc	103ft	101ft
51ft	2fc	154ft	153ft
68ft	0.8fc	256ft	255ft
85ft	0.6fc	307ft	306ft

■ Vert, Spread; 120°
■ Horiz, Spread; 120°

R Series

LED Explosion Proof Light



R2



R4

Certifications:

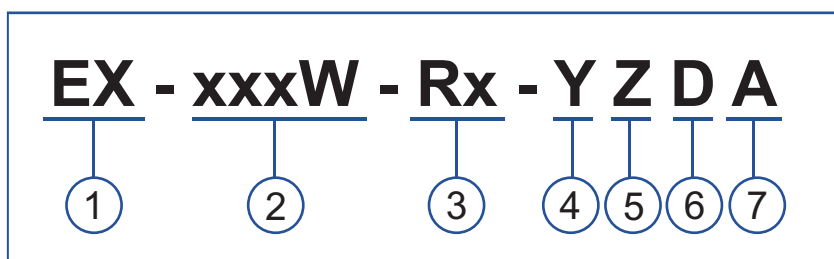
- ◆ ATEX Marking:
 - ◆ II 2 G Ex db eb mb IIC T5/T6 Gb
 - ◆ II 2 D Ex tb IIIC T95°C/T85°C Db IP66
- ◆ IECEx Marking:
 - ◆ Ex db eb mb IIC T5/T6 Gb
 - ◆ Ex tb IIIC T95°C/T85°C Db
- ◆ UL844 Marking (North American):
 - ◆ Class I, Division 2, Groups A, B, C, D
 - ◆ Class II, Division 1, Groups E, F, G
 - ◆ Class II, Division 2, Groups F, G
 - ◆ Class III
- ◆ Marine Marking:
 - ◆ UL 1598
 - ◆ UL 844
- ◆ Ambient Temperature:
 - ◆ Normal: -40°C to 45°C/60°C (-40°F to 113°F/140°F)
 - ◆ Emergency: -10°C to 45°C/60°C (14°F to 113°F/140°F)
- ◆ IP66

LED Explosion Proof Light - R Series

Key Features:

- ① Backup battery is optional.
- ② AC or DC power supply is available.
- ③ Stainless-steel body and PC cover.
- ④ Heavy-duty and high impact resistance.
- ⑤ High-quality SMT LED and Meanwell driver.
- ⑥ Water-proof, vapor-proof, dust-proof, and corrosion resistant.
- ⑦ 5-year warranty.

Catalog Number Logic:



① **PRODUCT CATEGORY**

- ◆ Explosion proof light

② **WATTAGE**

- ◆ 20W ◆ 30W ◆ 40W
- ◆ 50W ◆ 60W

③ **PRODUCT SERIES**

- ◆ R2
- ◆ R4

④ **DIMMING FUNCTION**

- ◆ Y=D: Dimmable
- ◆ Y=N: Non-dimmable

⑤ **CCT**

- ◆ 2200K-7000K

⑥ **BEAM ANGLE**

- ◆ D120= 120°

⑦ **PC COVER INFORMATION**

- ◆ A=C: Clear cover
- ◆ A=F: Frosted cover

Technical Data:

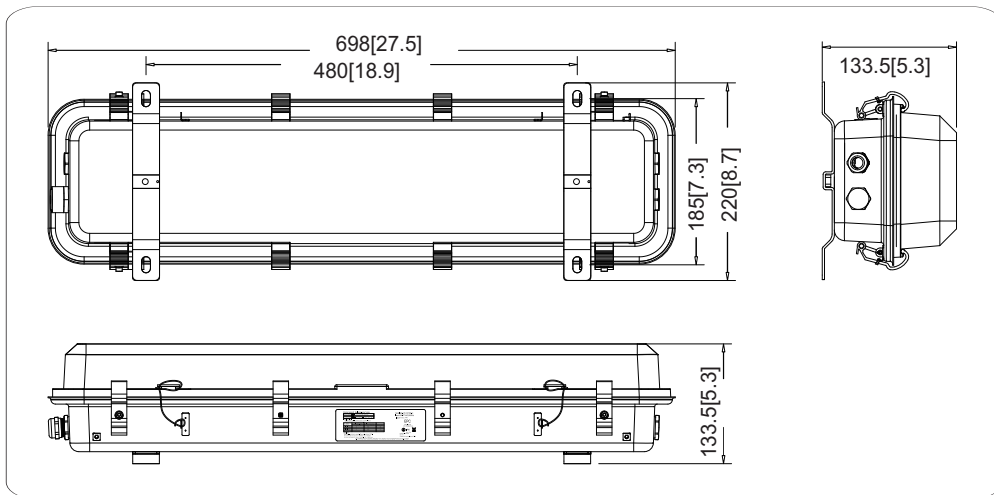
Model	Wattage	Operating Voltage	Efficacy (lm/W)	Total Lumens (lm)	CRI	CCT
EX-20W R2YZDA	2×10W/2ft	AC100-277/220-480V	140	2,800	>70	2200K-7000K
EX-30W R2YZDA	2×15W/2ft	AC100-277/220-480V	140	4,200	>70	2200K-7000K
EX-40W R4YZDA	2×20W/4ft	AC100-277/220-480V	140	5,600	>70	2200K-7000K
EX-50W R4YZDA	2×25W/4ft	AC100-277/220-480V	140	7,000	>70	2200K-7000K
EX-60W R4YZDA	2×30W/4ft	AC100-277/220-480V	140	8,400	>70	2200K-7000K

LED Explosion Proof Light - R Series

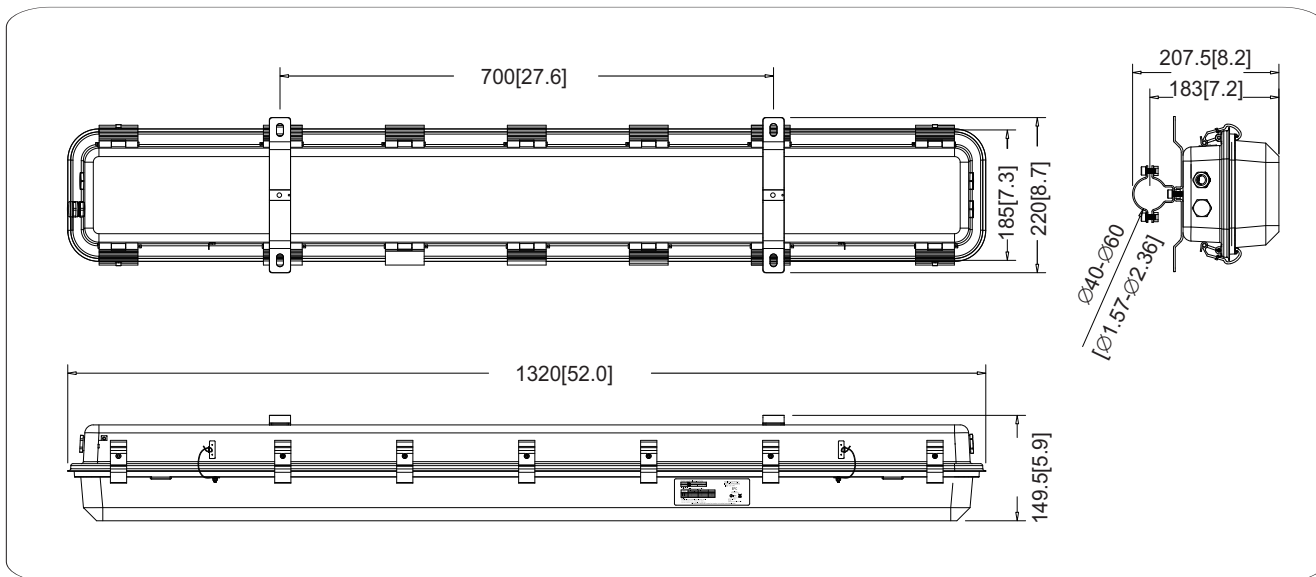
Dimensions & Packing:

Unit: mm [inch]

R2



R4



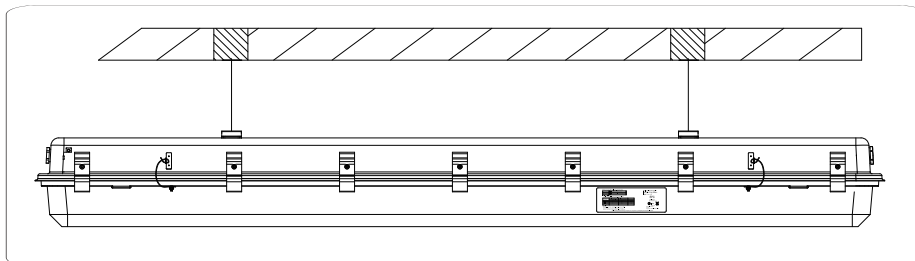
Model	Quantity/Carton	Packing Size	Net Weight	Gross Weight
R2	1 PCS	800x250x170mm [31.5x9.84x6.7inch]	4 kgs/ 8.82 lbs	5 kgs/ 11.02 lbs
R4	1 PCS	1400x250x175mm [55.12x9.84x6.89inch]	8 kgs/ 17.64 lbs	10.7 kgs/ 23.59 lbs

LED Explosion Proof Light - R Series

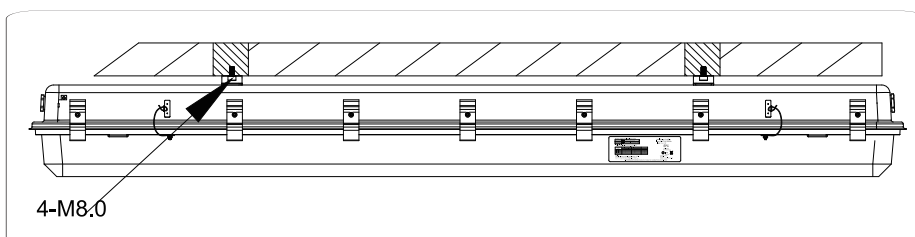
Mounting:

Unit: inch

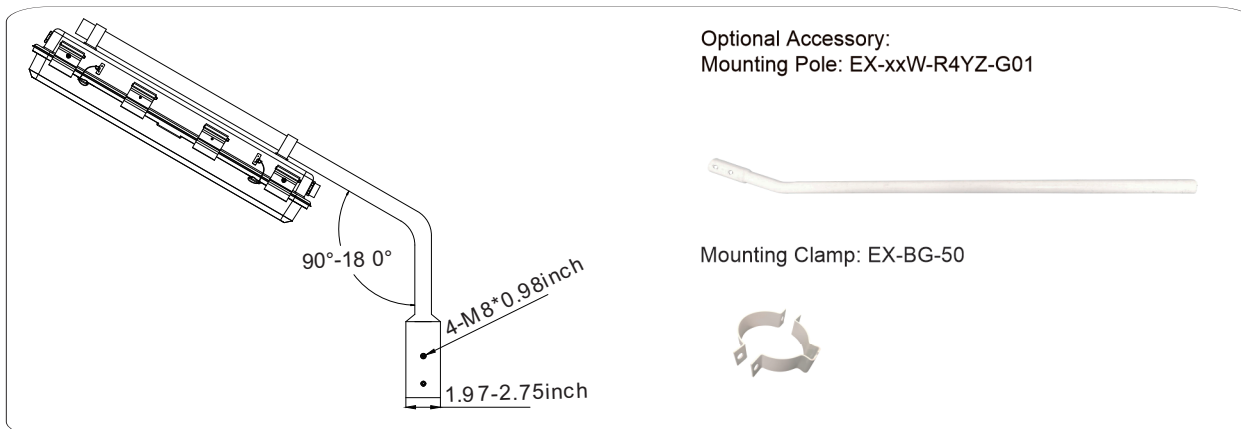
◆ Pendant Mounting (default mounting):



◆ Surface Mounting (default mounting):

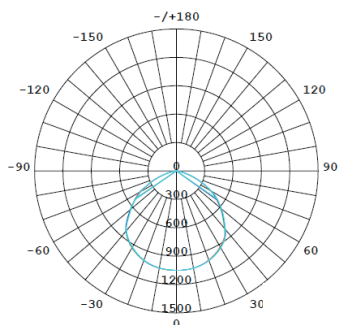


◆ Pole Mounting:



Photometry:

Beam angle: 120°



Application :

- ◆ Oil and gas industry
 - All petroleum production and refining
 - Petroleum loading and transportation
 - Petroleum storage and retail
 - LNG industry
 - All mining operations and service
- ◆ Ocean, marine and aerospace field
 - Ocean platform operation facilities
 - Aerospace clean room and production
 - Ocean vessel operations
- ◆ Food and alcohol industry
 - Flour and fine particle production and storage
 - Food and distilling production
 - Alcohol industry
- ◆ Chemical industry
 - All types of paint facilities
 - Chemical production and storage
- ◆ Metal treatment
 - Steel and aluminum factories
 - Pumping stations in any environment
 - Metal smelting, foundry and fabrication
- ◆ Other high humidity, high dust, high temperature, vapor locations.