

Hazardous Location LED Luminaire



LED Explosion Proof Light
R Series



IZUMI LED
TECHNOLOGY OF JAPAN

LED Explosion Proof Light - R Series



R2



R4



Product Description

IZUMI LED The R series linear vapor tight is designed for use in hazardous locations that feature the presence of flammable gases, vapors, or liquids during normal facility operations.

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°C/60°C (Normal).
- Ambient range: -10°C - +45°C/60°C (Emergency) .
- High quality SMT LED and Meanwell Driver.
- Waterproof / vapor / dust / corrosion / explosion proof.

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Compliance

Marking ATEX	II 2 G Ex db eb mb I IC T 5/T6 Gb II 2 D Ex tb I I IC T 95°C/T85°C Db IP66
Marking I ECEX	Ex db eb mb I IC T 5/T6 Gb Ex tb I I IC T 95°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 / IK08~IK10 / Protection Class I



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 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.



Warranty

5-year design lifespan

LED lumen maintenance: L70> 50,000

Technical Parameter

• Electrical

Specification	EX-20W-30W-40W R2YZDA	EX-30W- 40W-60W R4YZDA
Power (Tunable)	20W / 30W / 40W	30W / 40W / 60W
Input Voltage	AC100-277V / 220-480V	
Input Frequency	50/60Hz	
Power Factor	>0.95	
Surge Protection	10KV	

• Optical

Specification	EX-20W-30W-40W R2YZDA	EX-30W- 40W-60W R4YZDA
Lumens (lm)	>3000lm / >4500lm / >6000lm	>4500lm / >6000lm / >9000lm
Lumens/ Watt	>150lm/w(±10%)	
CCT	3000K-4000K-5000K	
CRI	>80	
Beam Angle	110°	

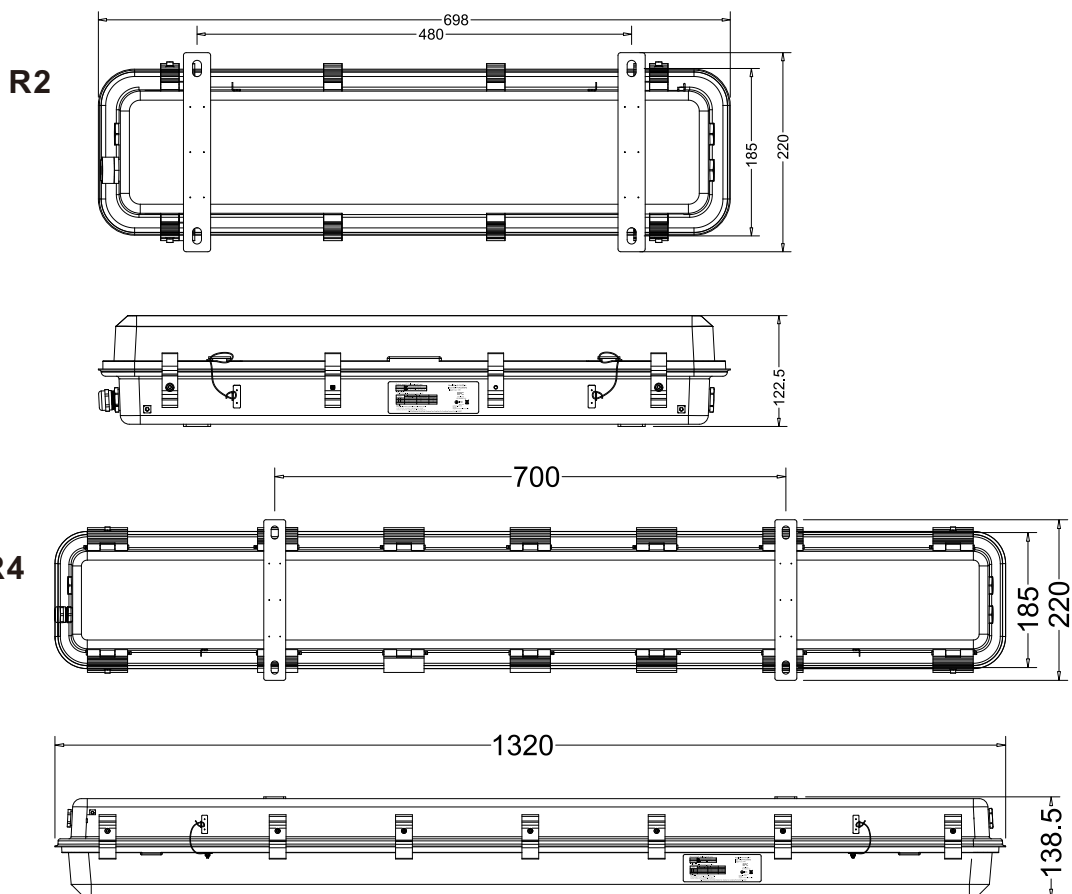
• Environmental

Specification	EX-20W-30W-40W R2YZDA	EX-30W- 40W-60W R4YZDA
Ambient Temperature	-40°C - +45°C/60°C (NORMAL)	

• Mechanical

Specification	EX-20W-30W-40W R2YZDA	EX-30W- 40W-60W R4YZDA
Housing Material	Stainless steel // Transparent Diffuser (PC)	
Mountings	Ceiling, rope, and pole mount	
Finish	Epoxy powder coating	

Product Dimensions



• 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

• Light Distribution

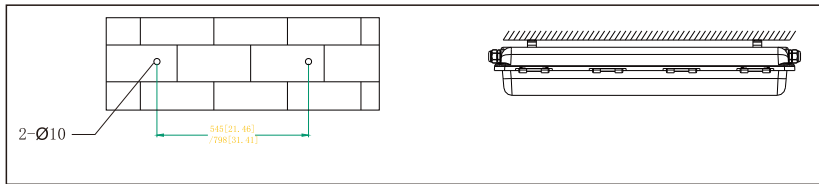
120D

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

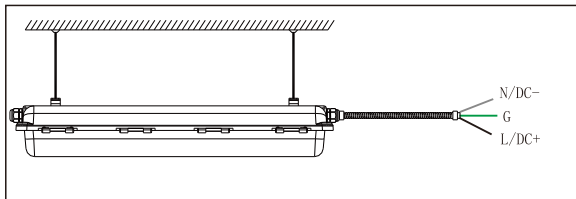
■ Vert, Spread; 120°
■ Horiz, Spread; 120°

• Mounting

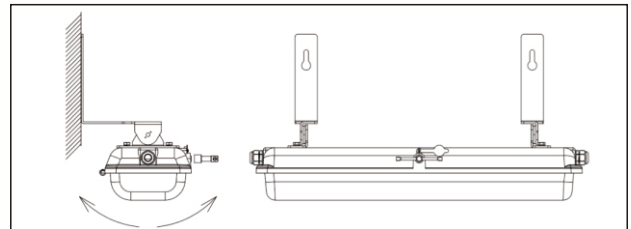
No.1: Surface Mounting



No.2: Pendant Mounting



No.3: Wall Mounting



No.4: Pole Mounting

