



Ex db eb mb LED Well Glass Light

Ex02 series from SAFER-Ex are explosion-proof well glass lights that can also be used as strobe lights, which are designed for energy-efficiency and for providing superior signals with application flexibility.

5 colors of light sources are available: White, Red, Green, Blue, Amber.



Standard Specification

Type of Protection	Ex db eb (Flameproof, Increased Safety, Encapsulation) Ex tb (Dust Protected Enclosure)
ATEX Classification	Group II Category 2 GD
Area Classification	Zone 1 and 21 areas to EN 60079-10-1 and EN 60079-10-2 with installation to EN 60079-14
Certificate	EU Type Examination Certificate SGS25ATEX0007X IECEX Certificate of Conformity IECEX SGS 25.0004X
Coding	Ex db eb mb IIC T6...T5 Gb Ex tb IIIC T80°C...T95°C Db IP66 Refer to table for T rating and Ambient
Enclosure	Copper free Die-Casting aluminum with epoxy powder coating finished (RAL 7040)
Entry	2 cable entries (NPT3/4 ,G3/4,NPT1/2,G1/2,M20,M25 can be selected)
Termination	3 core 6mm² max conductor with looping
Control Gear	Electronic Driver
Optical Distribution	Wide beam
Colour Temperature (CCT)	3000K-6000K, Red, Green, Blue, Amber
Colour Rendering Index (Ra)	>80
Maintenance	Back access to gearbox lid with 6x M5 captive screws
Impact Protection	IK08
Ingress Protection	IP66 to EN 60529
Surge Protection	4kV line to line, 6KV line to earth
Intelligent Functions	Microwave Motion Sensor, Daylight Sensor, Dimmable, 1Hz Flash, Battery Backup, DALI , LoRa, GPS for option
Electrical Supply	12-24Vac, 100-240Vac 50/60Hz 12-36Vdc, 140-250Vdc

Features

- Highly Energy Efficient >160lm/W
- Sealed for life LED enclosure with no exposed flame paths
- Easy access gearbox with captive screws
- Multiple installation methods can be applied in multiple scenarios
- Low temperature applications to -40°C
- 220 degree wide beam

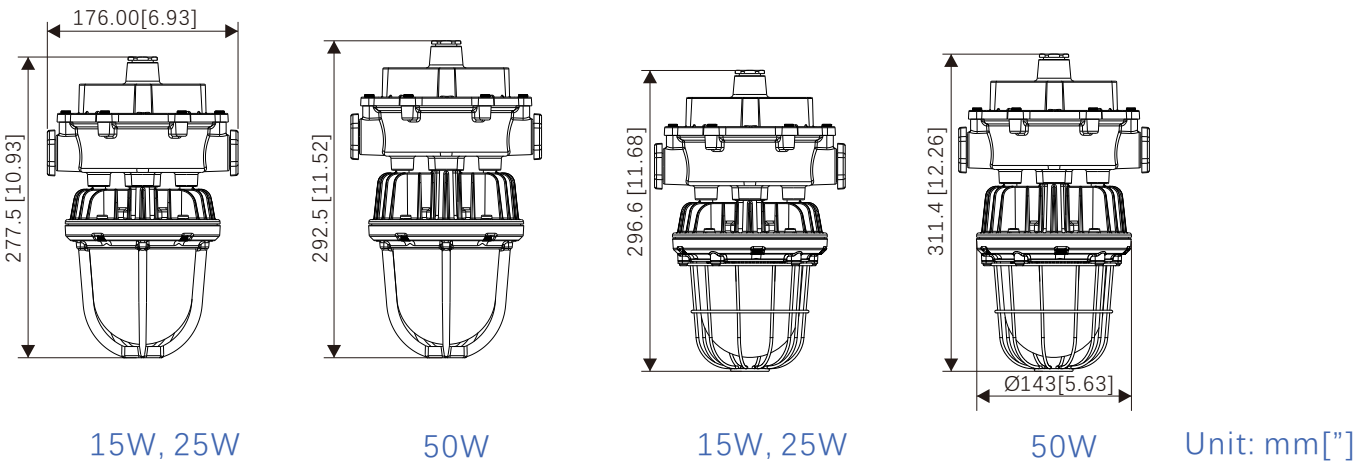
Std. Cat No.	Delivered Output	Light Efficacy	Power Consumption	Tclass	T°C (Dust)	Ambient °C	Weight
EX02-15W	2460 lm	164 lm/w	15W	T5	100	-40 to +70	3.2kg
				T6	85	-40 to +65	
EX02-25W	4100 lm	164 lm/w	25W	T5	100	-40 to +70	3.2kg
				T6	85	-40 to +65	
EX02-50W	8050 lm	161 lm/w	50W	T5	100	-40 to +65	3.4kg
				T6	85	-40 to +50	

Ordering Information

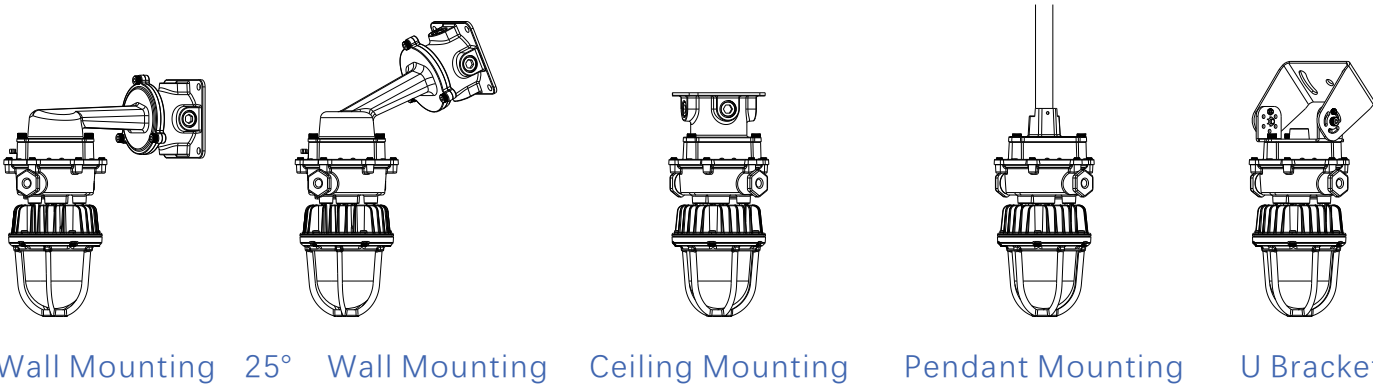
List of SKU Naming: EX02-25W-MS-E-R-220-N3/4

Series	Rated Power	Additional Function	Input Voltage	CCT	Beam Angle	Cable Entries
EX02	- 15W = 15W	Empty = No Additional Function	-L = 12 - 24 Vac	-W = White	- 220 = 220°	-N3/4 = NPT3/4
	- 25W = 25W	- MS = Microwave Motion Sensor	-E = 100 - 240 Vac	-R = Red		-G3/4 = G3/4
	- 50W = 50W	- DS = Daylight Sensor	-U = 120 - 277 Vac	-G = Green		-N1/2 = NPT1/2
		- DM = Dimmable	-DCL = 12 - 36 Vdc	-B = Blue		-G1/2 = G1/2
		- DL = DALI	-DCH = 140 - 250 Vdc	-A = Amber		-M25 = M25
		- LR = LoRa				-M20 = M20
		- FS = Flash				
		- GS = GPS				

Dimension Diagram



Mounting Options



Distribution Curve

