



Ex db eb mb LED Low/High Bay Light

Ex03 series from SAFER-Ex are explosion-proof Low/High Bay lights. A special heat-dissipating design in conjunction with LED technology helps this fixture to achieve an excellent 60,000- hour rated life span with 80% lumen retention. The heavy-duty housing and solid-state design give this light excellent durability and resistance to vibration and impacts.



Standard Specification

Type of Protection	Ex db eb mb (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 SGS25ATEX0006X IECEX Certificate of Conformity IECEX SGS 25 .0003X
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)
Protective Cover	Tempered Glass / Polycarbonate
Entry	2 cable entries (NPT3/4 ,G3/4,NPT1/2,G1/2,M20,M25 can be selected)
Termination	3 core 6mm ² max conductor with looping
Control Gear	Electronic Driver
Optical Distribution	60°,90°,140°
Colour Temperature (CCT)	3000K-6000K
Colour Rendering Index (Ra)	>80
Maintenance	Back access to gearbox lid with 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**
- Instant on crisp white light output
- Easy access gearbox with captive screws
- Multiple installation methods can be applied in multiple scenarios
- Low temperature applications to -40°C
- Multiple light distribution options

Std. Cat No.	Delivered Output	Light Efficacy	Power Consumption	Tclass	T°C (Dust)	Ambient °C	Weight
EX03-25W	3700 lm	148 lm/w	25W	T5	100	-40 to +60	4.2kg
				T6	85	-40 to +50	
EX03-50W	7400 lm	148 lm/w	50W	T5	100	-40 to +60	4.2kg
				T6	85	-40 to +50	

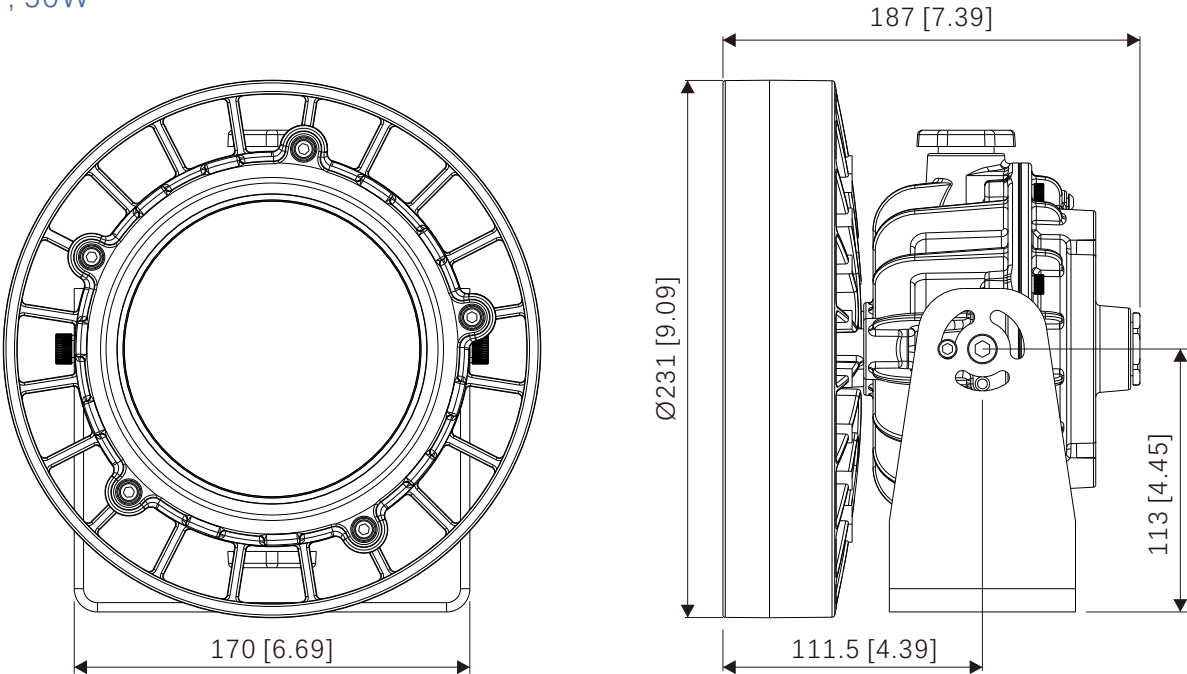
Ordering Information

List of SKU Naming: EX03-25W-MS-E-3K-60-N3/4

Series	Rated Power	Additional Function	Input Voltage	CCT	Beam Angle	Cable Entries
EX03	- 25W = 25W	Empty = No Additional Function	-L = 12 - 24 Vac	-3K = 3000K	-60 = 60°	-N3/4 = NPT3/4
	- 50W = 50W	- MS = Microwave Motion Sensor	-E = 100 - 240 Vac	-4K = 4000K	-90 = 90°	-G3/4 = G3/4
		- DS = Daylight Sensor	-DCL = 12 - 36 Vdc	-5K = 5000K	-140 = 140°	-N1/2 = NPT1/2
		- DM = Dimmable	-DCH = 140 - 250 Vdc	-6K = 6000K		-G1/2 = G1/2
		- DL = DALI				-M25 = M25
		- LR = LoRa				-M20 = M20
		- FS = Flash				
		- GS = GPS				

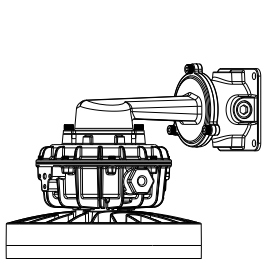
Dimension Diagram

25W , 50W

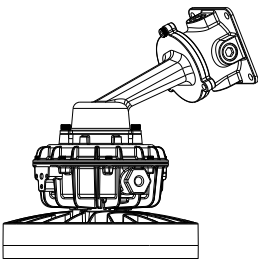


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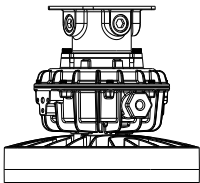
Mounting Options



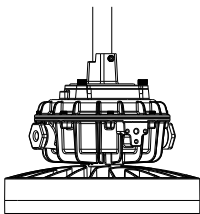
Wall Mounting



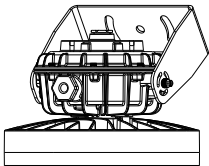
25° Wall Mounting



Ceiling Mounting



Pendant Mounting



U Bracket

Distribution Curve

