



Ex eb ec mb LED Linear Light

This explosion-proof Linear Light from SAFER-Ex provides 12000lm high quality light while only consumes 80 watts.

Measuring only 5" in width and lightweight, EX04 is one of the lowest-profile explosion-proof light fixtures on the market.

It is an ideal choice for applications with limited space where low profile fixtures are required. The LED assembly is protected behind a tempered borosilicate glass tube that is protected by an steel wire guard to prevent accident damage to the light fixture.



Standard Specification

Type of Protection	Ex eb ec mb (Increased Safety, Encapsulation) Ex tb (Dust Protected Enclosure)
ATEX Classification	Group II Category 3G 2D
Area Classification	Zone 2 and 21 areas to EN 60079-10-1 and EN 60079-10-2 with installation to EN 60079-14
Certificate	EU Type Examination Certificate SGS24ATEX0150X (2D) SGS24ATEX0153X (3G) IECEX Certificate of Conformity IECEX SGS 24.0067X
Coding	Ex eb ec mb IIC T6...T5 Gc 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	Borosilicate Glass Tube
Entry	6 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	120°
Colour Temperature (CCT)	3000K-6000K
Colour Rendering Index (Ra)	>80
Maintenance	Both sides have direct access to the gearbox lid by rotating threads
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 disassemble and assemble threaded cap
- Multiple installation methods can be applied in multiple scenarios
- Low temperature applications to -40°C

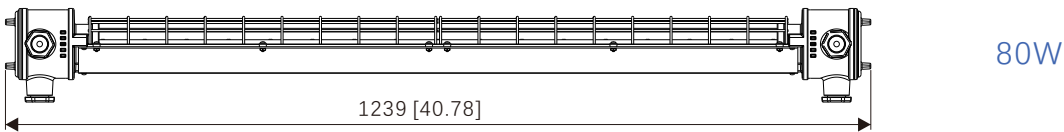
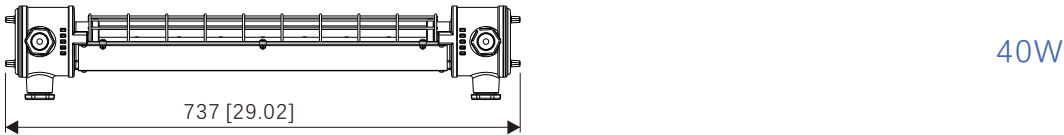
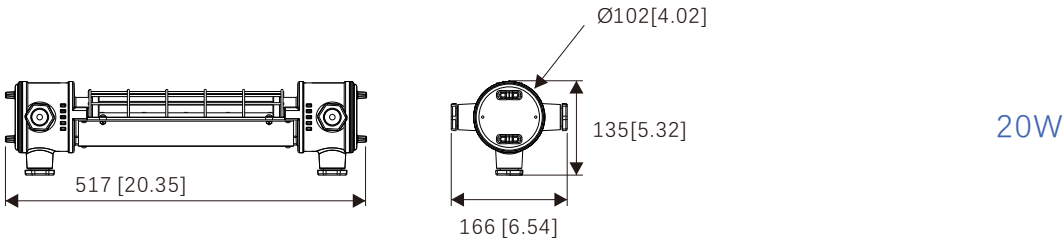
Std. Cat No.	Delivered Output	Light Efficacy	Power Consumption	Tclass	T°C (Dust)	Ambient °C	Weight
EX04-20WWL	3300 lm	165 lm/w	20W	T5	100	-40 to +65	3kg
				T6	85	-40 to +50	
EX04-40WWL	6760 lm	169 lm/w	40W	T5	100	-40 to +70	3.7kg
				T6	85	-40 to +55	
EX04-80WWL	13200 lm	165 lm/w	80W	T5	100	-40 to +60	7kg
				T6	85	-40 to +45	

Ordering Information

List of SKU Naming: EX04-75WWL-MS-E-3K-120-N3/4

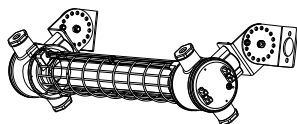
Series	Rated Power	Additional Function	Input Voltage	CCT	Beam Angle	Cable Entries
EX04	- 20WWL = 20W	Empty = No Additional Function	-L = 12 - 24 Vac	-3K = 3000K	-120 = 120°	-N3/4 = NPT3/4
	- 40WWL = 40W	- MS = Microwave Motion Sensor	-E = 100 - 240 Vac	-4K = 4000K		-G3/4 = G3/4
	- 80WWL = 80W	- DS = Daylight Sensor	-DCL = 12 - 36 Vdc	-5K = 5000K		-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

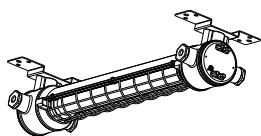


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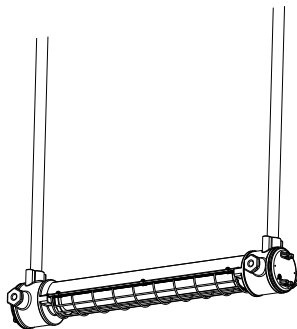
Mounting Options



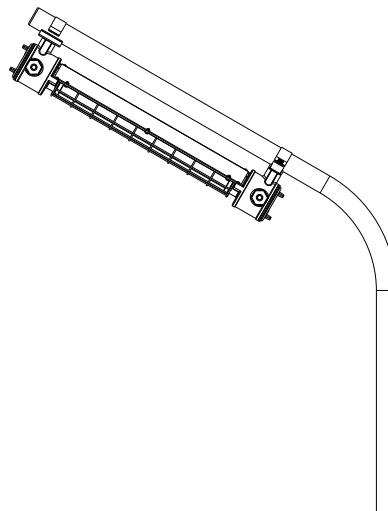
Wall Mounting



Ceiling Mounting



Pendant Mounting



Stanchion Mounting

Distribution Curve

