



EXPLOSION PROOF LUMINAIRE



II 2G Ex db eb mb IIC T4 Gb
II 2D Ex tb IIIC T60°C lub/or T65°C IP66/IP67 Db



APPLICATION

The luminaire is designed for the industrial areas and facilities, also outdoor spaces with an explosion hazard of gases, vapours and flammable fogs mixed with air and inflammable dust and fibers mixed with air. **Hazardous zones: 1,21,2,22**

Luminaire equipped with diffuser (D) mounted on LED panel for light pattern shaping and reducing glare. Recommended stainless steel housing for outdoor purposes.

TECHNICAL DATA

Type of housing:	gas: Ex db, eb, mb	dust: Ex tb
Explosion group:	gas: IIC, IIB, IIA	dust: IIIC, IIIB, IIIA
Temperature class:	T4, T3, T2, T1*	
Max surface temperature:	60°C lub 65°C	
Protection level:	gas: Gb	dust: Db
Protection degree:	IP66/67	
Ambient temperature:	from -35°C to +40°C**	

**ambient temp. for emergency version from 0°C to 40°C

	*Max. surface temp.
EXP 83-MLED220/125	60°C
EXP 83-MLED240/150	65°C

ELECTRIC UNIT

Cable gland:	2 x M20, 2 x blanking plug*
Cable diameter:	ø 7-13 mm
Terminal block:	2 x /3x4 mm ² /
Ending or through wiring.	

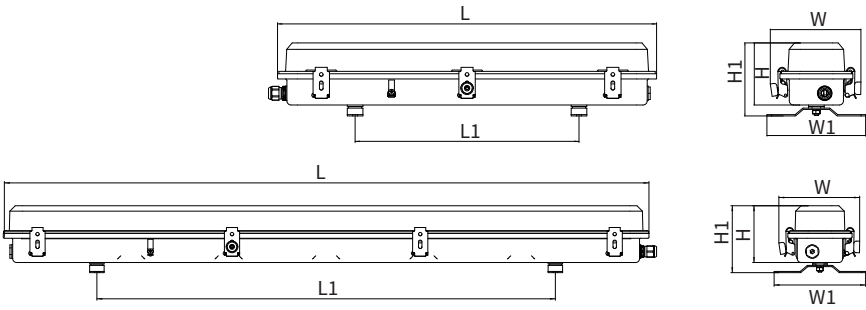
* standard version. Other options on request

ZONES 1,21; 2,22



DIMENSIONS [mm]

Type	L	L1	W	W1	H	H1
EXP 83-MLED220	728	430	174	190	119	140
EXP 83-MLED240	1336	950	167	190	119	140



TYPE	WATTAGE	LUMEN OUTPUT	WEIGHT
EXP 83-MLED220/125	25 W	3004 lm	4,9 kg
EXP 83-MLED240/150	50 W	6311 lm	7,5 kg

CONSTRUCTION

Housing:	zinc coated steel, powder painted
Diffuser:	UV stabilized, strengthened polycarbonate **
Diffuser clips:	stainless steel
Mounting plate:	zinc coated steel, powder painted:
Colour temp.:	4000K*
Power supply:	110-254V AC 50/60 Hz 220-250V DC

* Other colours on request

** Chemical resistance diagram available on manufacturer's website on section „Designers area“

ADDITIONAL EQUIPMENT

Only for versions with galvanized sheet metal housing

31-144-8999	31-144-8997	31-153-2001	31-153-2000

31-144-8999	eyelet sling (set 2 pcs)
31-144-8997	3/2" stainless pole bracket (set 2 pcs)
31-153-2001	slanting bracket (2 pcs set)
31-153-2000	angular bracket (2pcs set)

TECHNICAL DATA

IP 66/67	220-250V DC	POZIOM LEVEL N		-35°C
LED	110-254V AC	IK 09		+40°C

APPROVALS



EXPLOSION PROOF | available configurations



WATTAGE	CRI AND COLOUR TEMP.	HOUSING	CABLE ENTRY	CABLE GLANDS	FIXING TYPE	OPTIONS
220 25W	840 CRI 80 4000 K	- zinc coated steel	P 	10 M20 polyamide	W fixed bracket	A3/AT battery backup system 3h with autotest
240 50W	830 CRI 80 3000 K	S stainless steel 304*	PA 	11 M20 brass	WN fixed bracket	
		S316 stainless steel 316L*	K 	13 M20 brass screen cable	H bolt kit	
			KA 	20 M25 polyamide		
			PAK 	21 M25 brass		
				23 M25 brass screen cable		

