NAWSTWO WDROŻENIE WSPARCIE TECHNICZNE KONCEPCJA PROJEKT WYKONAWSTWO WDROŻENIE WSPARCIE

TECHNICZNE KONCEPCJA PROJEKT WYKONAWSTWO WDROŻENIE WSPARCIE TECHNICZNE KONCEPCJA PROJEKT WYKON/



EML Ex LED (zone 2, 21, 22)

EML EX LED (ZONE 2, 21, 22), CNBOP

Zones 2, 21 II 3G Ex ec IIC T6/T5 Gc II 2D Ex tb IIIC T85°C Db

Zones 2, 22 II 3G Ex ec IIC T6/T5 Gc II 3D Ex tc IIIC T85°C Dc

Description

The EML Ex LED linear luminaire is intended mainly for general lighting of halls, industrial spaces, production and storage zones 2, 21, 22 with the possibility of high dustiness, moisture, water splashes in the work environment, including: technological lines of the chemical industry, oil, petrochemical, gas, energy, wood, paper, construction and food materials.

Technical characteristics

	Technical parameters
Dower ownah/	230 V AC/DC 50-60(0)Hz, 110V (according to versions)
Power supply	230 V AC 50-60Hz - versions with battery
Atex marking	🚱 II 3G Ex ec IIC T6/T5 Gc
for zones 2, 21	😣 II 2D Ex tb IIIC T85°C Db
Atex marking	😣 II 3G Ex ec IIC T6/T5 Gc
for zones 2, 22	🐼 II 3D Ex tc IIIC T85°C Dc
EU-type examination certificate	OBAC 14 ATEX 0351X
number	
	PN-EN IEC 60079-0:2018, PN-EN 60079-7:2016,
Standards	PN-EN 60079-11:2012, PN-EN 60079-18:2015,
	PN-EN 60079-31:2014
Ingress protection	IP 66/67
IK protection class	IK 10
Protection class	
Dattan	3H - Ni-Cd 4,5 Ah 3,6V 4,8V
Battery	3H - LiFe Po 4,5 Ah 9,6V
	from -20°C to +50°C - versions without a battery - temp. class T6
Permissible ambient temperature	from -20°C to +40°C - HP versions - temp. class T6
Permissible ambient temperature	form 0° C to $+40^{\circ}$ C - versions with battery - temp. class T6
	from -20°C to +50°C - HP versions - temp. class T5
	form 0° C to $+50^{\circ}$ C - versions with battery - temp. class T5
Cable gland	M20 or M25 (other on request)

CATEGORY:

EXPLOSION PROOF LUMINAIRES

CERTIFICATIONS

CE



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Technical parameters		
Connection terminals (max) 4 mm ² , permissible load on the		
Wight	1.8 ÷ 4.8 kg (according to versions)	
	660 x 145 x 101	
Dimensions	1277 x 145 x 101	
	1573 x 145 x 101	
Source of light	ultra-bright LEDs	
Color temperature	$4000K \pm 5\%$ (others as option $\pm 10\%$)	

Name	Max power [W]	Luminous flux [lm]
EML Ex LED 600/18	18	2 677
EML Ex LED 1200/34	34	5 045
EML Ex LED 1200/44HP	44	6 435
EML Ex LED 1200/70HP	70	10 038
EML Ex LED 1500/42	42	6 596
EML Ex LED 1500/86HP	86	12 615

Design and operation

- anti-glare diffuser grooved from the inside lenticular made of PC flammability class in accordance with the safety standard UL94: V-2, incandescent test with wire in accordance with (PN-EN 60695-11-2): 850 ° C,
- body of reinforced structure made of polyester reinforced with glass fiber GRP class flammability in accordance with the safety standard UL94: HB, glow wire test in accordance with (PN-EN 60695-11-2): 650 ° C,
- diffuser fixing elements (hinged lampshade suspension), fitting fixing accessories made of stainless steel or plastic,
- EM emergency power module acc. to types,
- as an option DALI, PZH, CNBOP (according to versions),

Montage

A universal luminaire adapted to through and end wire supply through cable gland located on the transverse side walls. The luminaire has mounting accessories enabling it to be mounted on the ceiling surface or from the side wall, it can also be hung on chains.

The EML Ex LED luminaire is equipped with 2 Ex cable glands with a seal diameter of 7-13 mm and an Ex plug. As an option, cable entries with a seal diameter of 8-17 mm are available (ordered separately).

Execution

Ordering code	Zone	Max power [W]	Optional distribution curves	Optional code	Additional accessories	Weight [kg]
EML Ex LED 600		/18		/B /ADR /110		1,8
EML Ex LED 1200	/221 or /222	/34 /44HP 70HP	/BW or /TB or /P or /	/OUT1 /DR /IOV /DALI /II class /K /RA /CR /CR /K	/ST /DF /WM /EH SMC /JB /SN1	3,2
EML Ex LED 1500		/42 /86HP		/HP /AP /RAL /SG or /M25 /CNBOP	./SN2	3,9



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TECHNICZNE KONCEPCJA PROJEKT WYKONAWSTWO WDROŻENIE WSPARCIE TECHNICZNE KONCEPCJA PROJEKT WYKONY

Version with battery:

WYKONJ

TECHNICZNE KONCEPCJA PROJEKT WYKONAWSTWO WDROŻENIE W SPARCIE TECHNICZNE KONCEPCJA PROJEKT

USEUGI GÖRNICTWO GAZOWNICTWO

TYPU HMC OŚWIETLENIE PRZEMYSŁOWE

PRODUKTY

GAZOWNICTWO

CTW0

PRODUKTY TYPU HMC OŚWIETLENIE PRZEMYSŁOWE USŁUGI GÓRNI

WYKONAWSTWO WDROŻENIE

PROJEKT

KONCEPCJA

W SPARCIE

NAWSTWO WDROŻENIE

PRODUKTY TYPU HMC OŚWIETLENIE PRZEMYSŁOWE USŁUGI GÓRNICTWO GAZOWNICTWO PRODUKTY TYPU HMC OŚWIETLENIE PRZEMYSŁOWE USŁUGI GÓRNICTWO GAZOWNICTWO PRODUKTY

NAWSTWO WDROŻENIE W SPARCIE TECHNICZNE KONCEPCJA PROJEKT WYKONAWSTWO WDROŻENIE W SPARCIE

KONCEPCJA PROJEKT WYKONAWSTWO WDROŻENIE WSPARCIE TECHNICZNE KONCEPCJA PROJEKT

OŚWIETLENIE PRZEMYSŁ

HMC

TYPU

PRODUKTY

TYPU HMC OŚWIETLENIE PRZEMYSŁ

WYKONI

Ordering code	Zone	Max power [W]	Optional distribution curves	Optional code	Additional accessories	Weight [kg]
EML Ex LED 600 EM		/22*		/B /AT /OUT1 /DR /10V /DALI	/ST /DF	2,5
EML Ex LED 1200 EM	/221 or /222	/38*	/BW or /TB or /P or /	/II class /K /RA /3P /CR	/WM /EH /D SMC /JB	3,9
EML Ex LED 1500 EM		/46*		/K /AP /RAL /SG or /M25 /CNBOP	/SN1 /SN2	4,6

* power given when the luminaire is in light mode.

Optional distribution curves (please see LDT file):

- ../BW - lens with beam curve BW;

- .../P - lens with beam curve P;

-../TB - lens with beam curve TB;

- ../.. - other;

Optional code:

-...B/ - zabudowany bezpiecznik;

-../ADR - version with address module,

-../AT - emergency version with self-test. The luminaire carries out an automatic test, signaling the operation status of the luminaire in the form of a built-in LED diode;

-../110 - 110V power supply,

-../OUT1 - version with EPDM gasket,

-../DR - version with breather drain,

-../10V - luminaire version with luminous flux adjustment from 10% to 100%;

-../DALI - version with DALI control;

-../II class - execution in protection class II (without CNBOP);

- ../..K - light colour..K (30K - 3000K; 65K - 6500K),

- ../RA.. - color rendering index,

-../3P - version with 3-phase through wire,

- ../CR - connector mounted on the cable,

-../K - end fitting without through-wire,

-../HP - versions with increased power and luminous flux;

-../AP - additional protection against corrosion;

-../RAL..- housing color according to RAL palette,

- ../SG - special cable gland with a choke diameter of 8-17mm,

- ../M25 - cable gland M25x1.5,

- ../AL – version with an aluminium gear tray,

-../CNBOP - luminaire with CNBOP approval.

Additional accessories:

- ../ST tube mounting;
- ..DF distance fixing for the pipe;

- ../WM - wall mounting;

- ../EH eye mounting;
- -../D protective hood;

- ../JB.. – junction box;

-../SN1, SN2 - version equipped with a pictogram for indoor or outdoor use

Luminaires designed for cooperation with a central battery, additionally equipped with one of the following address monitoring and switching modules:

ADR1 - ADR20-ILS,

ADR2 - TM-AM 01,

ADR3 - V-CG SE 4-400W, ADR4 - V-CG-S 4-400W,

ADR5 - ADS 20,

ADR6 - ADN.

Luminaires are available as standard with the powers given in the table "types of execution". Optionally, versions with reduced power are available on request. Example of an order: EML Ex LED 1200/221/34/P/50K - a luminaire with a length of 1200mm, approved for operation in zones 2 and 21, with a power of 34 W with a "P"



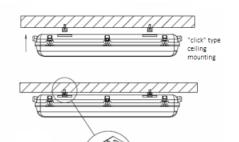
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type lens, with LEDs with a color temperature of 5000K.

Advantages

- solid, compact structure,
- simple, easy and quick assembly,
- high resistance to industrial corrosive
- environment,
- high luminous efficiency,
- resistant to UV radiation,
- long life of light sources,
- possibility of building (as a through-hole).



OPTIONAL MOUNTING ACCESSORIES

72 pipe mount, diameter 48-54 mm, other on request;	
72-2258 - steel mesh;	
72-2958 - adjustable wall mounting;	
72-2966 - pipe mount, diameter 48-50 mm;	

Optional distribution curves			
standard version	/BW	/P	
The second secon			



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