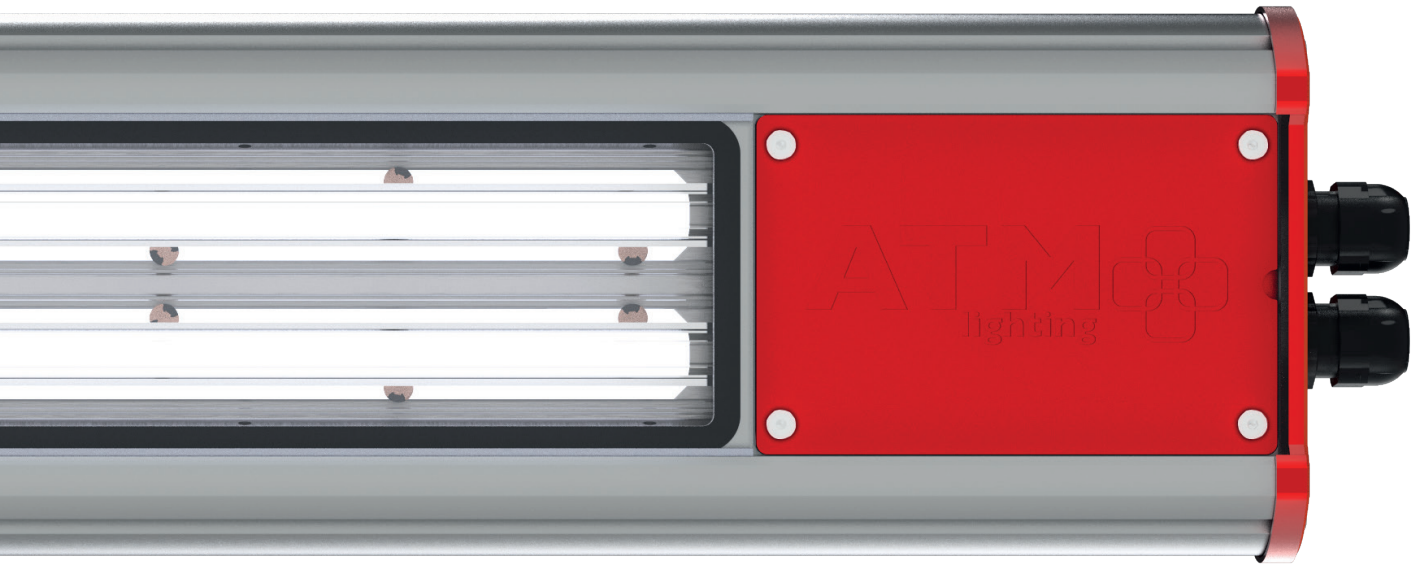


ZONE 21&2,22

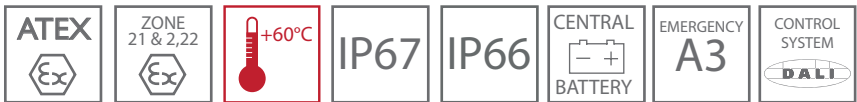


EXL400LED





SPECIAL EVACUATION
VERSION WITH A PICTOGRAM



Standard version

II 3G Ex ec IIC T6/T5 Gc
II 2D Ex tb IIIC T75°C/T100°C Db

EX MARKING: Execution for high
operating temperatures

II 3G Ex ec IIC T6/T5 Gc
II 3D Ex tc IIIC T75°C/T100°C Dc

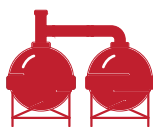
ATEX:

OBAC 21 ATEX 0060X

EXEMPLARY APPLICATIONS



REFINERIES



FUEL
TANKS



CHEMICAL
PLANTS



CHEMICAL
WAREHOUSES



PASSAGEWAYS
IN EX ZONES

Explosionproof light fitting with **LED modules**. Designed to work in the zone **21 & 2.22** of the explosion hazard of gases, vapors and mists of flammable liquids with air, as well as of flammable dusts and fibers. The housing is made of aluminum and the diffuser is made of polycarbonate or tempered glass.

Optional version with autonomous **A3** power source or **DALI** control system.

FEATURES



MECHANICAL PARAMETERS

	housing	anodised aluminum
	diffuser	tempered glass, safety-glass, polycarbonate, PMMA
	ingress protection	IP66 / IP67
	protection class	I
	mounting	different mountings <i>check: mountings</i>
	accessibility	revision cover

ELECTRICAL PARAMETERS

2,5 mm²

connection terminals



220-240V 0,50-60Hz

input voltage



certified LED modules

light source



>0,95

power factor



Ø20 or Ø25

cable inlets



2kV

overvoltage protection



WORK PARAMETERS

	ambient temperature	-25°C to +60°C <i>check: types comparison</i>
	lifetime	>70.000h L ₈₀ B ₁₀

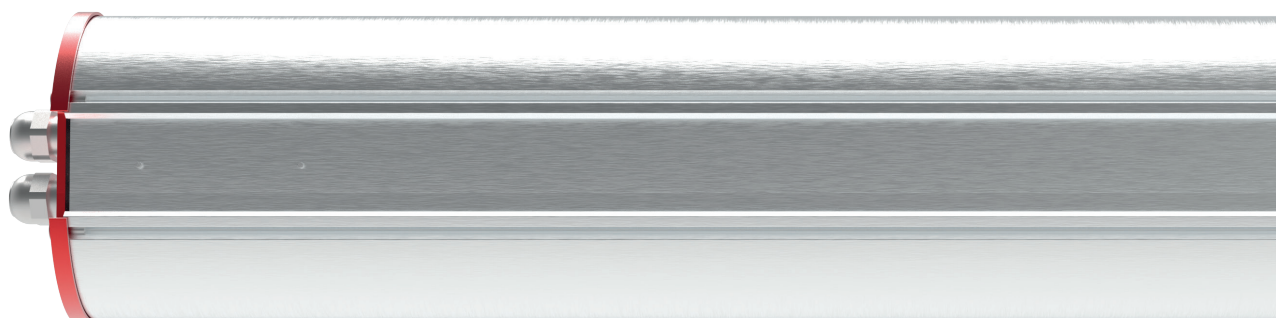
PHOTOMETRICAL PARAMETERS

>80

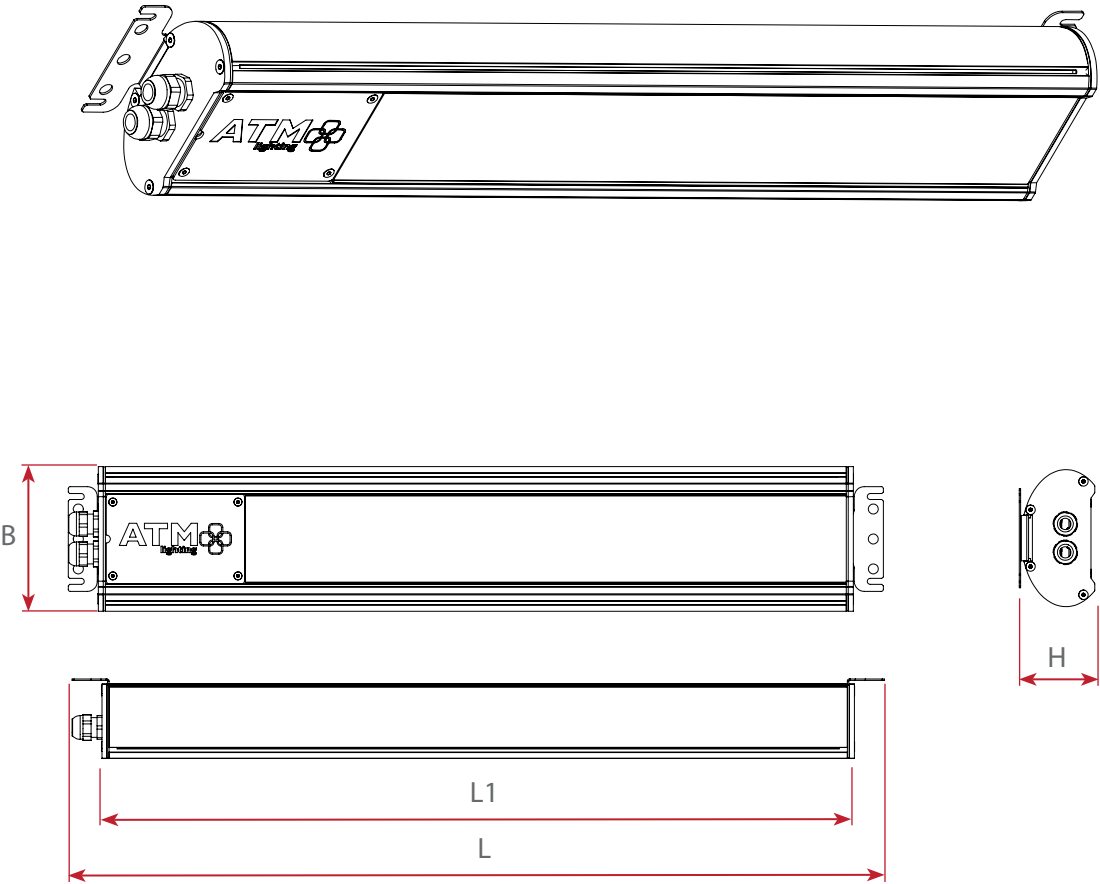
CRI

4000K
6500K - *optionally*

colour temperature



DIMENSIONS



REGULAR VERSION

TYPE	L	L1	H	B
EXL400LED-0300	549	475	75	145
EXL400LED-0600	829	755	75	145
EXL400LED-1200	1389	1315	75	145
EXL400LED-1500	1669	1595	75	145

EMERGENCY VERSION

TYPE	L	L1	H	B
EXL400LED-0300-...-A3	599	525	75	145
EXL400LED-0600-...-A3	879	805	75	145
EXL400LED-1200-...-A3	1439	1365	75	145
EXL400LED-1500-...-A3	1719	1645	75	145

TYPES COMPARISON

luminaires for ambient temperature +45°C (Ta=45°C) **II 3G Ex ec IIC T6 Gc**
II 2D Ex tb IIIC T75°C Db

luminaires for ambient temperature +60°C (Ta=60°C) **II 3G Ex ec IIC T5 Gc**
II 3D Ex tc IIIC T100°C Dc

TYPES COMPARISON NB OPTICS - temp. class T6

TYPE	LUMINOUS FLUX [lm]	POWER CONSUMP. [W]	EFFICIENCY [lm/W]	AMBIENT TEMP./TEMP. CLASS
EXL400LED-0300-E1-2	1395	10,5	133	+45°C/T6 or +60°C/T5
EXL400LED-0300-E2-1	2351	16,8	140	+45°C/T6 or +60°C/T5
EXL400LED-0600-E2-2	2810	19,8	142	+45°C/T6 or +60°C/T5
EXL400LED-0600-E2-3	3236	24	135	+45°C/T6 or +60°C/T5
EXL400LED-0600-E4-1	4735	33,7	141	+45°C/T6 or +60°C/T5
EXL400LED-0600-E4-2	5619	38,6	141	+45°C/T6 or +60°C/T5
EXL400LED-1200-E4-2	5340	38,6	138	+45°C/T6 or +60°C/T5
EXL400LED-1200-E4-3	6150	47	131	+45°C/T6 or +60°C/T5
EXL400LED-1200-E8-1	9000	64,8	139	+45°C/T6 or +60°C/T5
EXL400LED-1200-E8-2	10680	80	134	+45°C/T6 or +60°C/T5
EXL400LED-1200-E8-3	12300	93,5	132	+45°C/T6 or +60°C/T5
EXL400LED-1500-E5-2	6675	48	139	+45°C/T6 or +60°C/T5
EXL400LED-1500-E5-3	7688	59	130	+45°C/T6 or +60°C/T5
EXL400LED-1500-E10-1	11250	80,0	141	+45°C/T6 or +60°C/T5

TYPES COMPARISON WB OPTICS - temp. class T6

TYPE	LUMINOUS FLUX [lm]	POWER CONSUMP. [W]	EFFICIENCY [lm/W]	AMBIENT TEMP./TEMP. CLASS
EXL400LED-0300-E1-2	1359	10,5	129	+45°C/T6 or +60°C/T5
EXL400LED-0300-E2-1	2291	16,8	136	+45°C/T6 or +60°C/T5
EXL400LED-0600-E2-2	2738	19,8	138	+45°C/T6 or +60°C/T5
EXL400LED-0600-E2-3	3154	24	131	+45°C/T6 or +60°C/T5
EXL400LED-0600-E4-1	4615	33,7	137	+45°C/T6 or +60°C/T5
EXL400LED-0600-E4-2	5477	38,6	135	+45°C/T6 or +60°C/T5
EXL400LED-1200-E4-2	5198	38,6	135	+45°C/T6 or +60°C/T5
EXL400LED-1200-E4-3	5986	47	127	+45°C/T6 or +60°C/T5
EXL400LED-1200-E8-1	8760	64,8	135	+45°C/T6 or +60°C/T5
EXL400LED-1200-E8-2	10395	80	130	+45°C/T6 or +60°C/T5
EXL400LED-1200-E8-3	11972	93,5	128	+45°C/T6 or +60°C/T5
EXL400LED-1500-E5-2	6497	48	135	+45°C/T6 or +60°C/T5
EXL400LED-1500-E5-3	7483	59	127	+45°C/T6 or +60°C/T5
EXL400LED-1500-E10-1	10950	80,0	137	+45°C/T6 or +60°C/T5

luminaires for ambient temperature +45°C (Ta=45°C) **II 3G Ex ec IIC T6 Gc**
II 2D Ex tb IIIC T75°C Db

luminaires for ambient temperature +50°C (Ta=60°C) **II 3G Ex ec IIC T5 Gc**
II 2D Ex tb IIIC T100°C

TYPES COMPARISON WB OPTICS - 24VDC version

TYPE	LUMINOUS FLUX [lm]	POWER CONSUMP. [W]	EFFICIENCY [lm/W]	AMBIENT TEMP./TEMP. CLASS
EXL400LED-0300-I1	1591	13,2	121	+45°C/T6 or +50°C/T5
EXL400LED-0300-I2	3182	26,4	121	+45°C/T6 or +50°C/T5
EXL400LED-0600-I2	3204	26,4	121	+45°C/T6 or +50°C/T5
EXL400LED-0600-I4	6408	52,8	121	+45°C/T6 or +50°C/T5
EXL400LED-1200-I4	6090	52,8	115	+45°C/T6 or +50°C/T5
EXL400LED-1200-I8	12180	105,6	115	+45°C/T6 or +50°C/T5
EXL400LED-1500-I5	7613	66,0	115	+45°C/T6 or +50°C/T5
EXL400LED-1500-I10	15225	132,0	115	+45°C/T6 or +50°C/T5



Luminous flux tolerance +/- 10%

Power tolerance +/- 10%

The parameters given in the following data sheet has been determined for the temperature Ta=25°C.

Luminous flux, light intensity distribution and efficiency has been tested on the basis of the standards EN ISO 17025:2005, norm series EN13032 and LM-79.

The actual data and General Warranty Conditions are available on our website www.atmlighting.pl

EMERGENCY A3 VERSION

TYPES COMPARISION (emergency version) A3

TYPE	VERSION A3 [lm]	AMBIENT TEMP. [°C]
EXL400LED-0300	550	45
EXL400LED-0600	585	45
EXL400LED-1200	560	45
EXL400LED-1500	565	45

II 3G Ex ec IIC T6 Gc
II 2D Ex tb IIIC T75°C Db

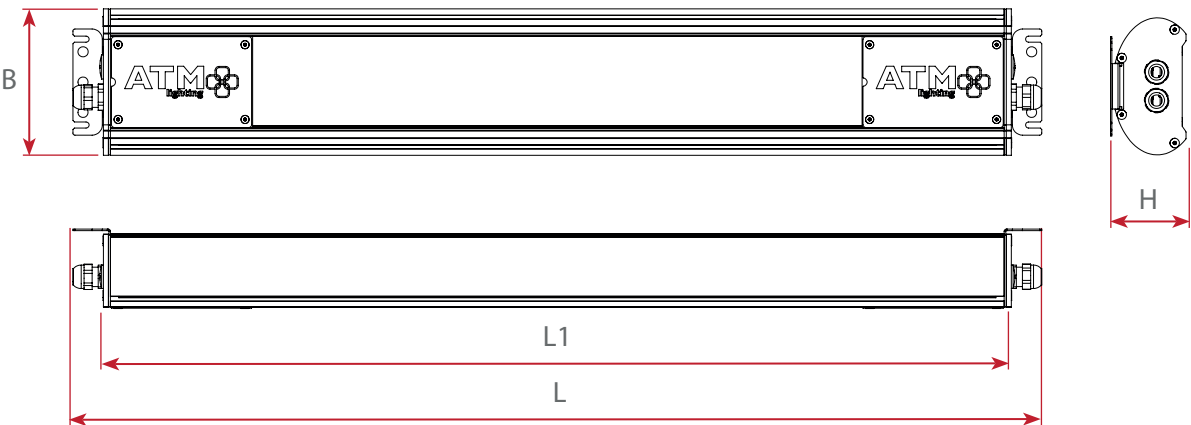


The fixture can work in emergency mode in the temperature range from -20°C up to +45°C.
Charging the battery can be processed in the temperature range from 0°C up to +45°C.

EMERGENCY ZB VERSION

The quantity of active LED modules working in the emergency mode powered by the central battery (ZB) is 50% of all active LED modules working in the standard mode.

TWO-SIDED VERSIONS

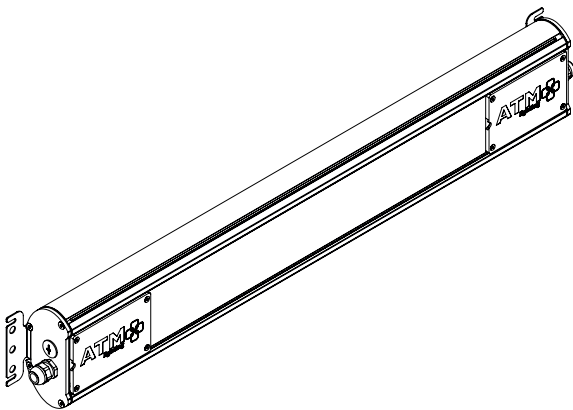


CROSS-WIRING VERSION

TYP	L	L1	H	B
EXL400LED-0300	674	615	75	145
EXL400LED-0600	954	895	75	145
EXL400LED-1200	1514	1455	75	145
EXL400LED-1500	1794	1735	75	145

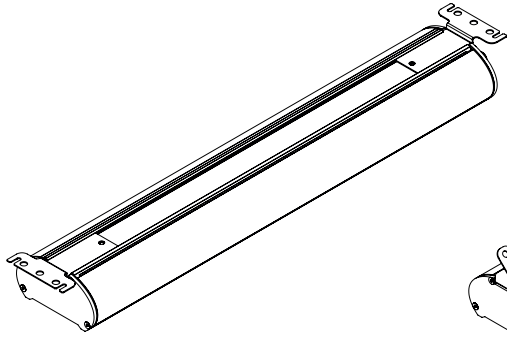
CROSS-WIRING EMERGENCY VERSIONS

TYP	L	L1	H	B
EXL400LED-0300-.-A3	744	685	75	145
EXL400LED-0600-.-A3	1024	965	75	145
EXL400LED-1200-.-A3	1584	1525	75	145
EXL400LED-1500-.-A3	1864	1805	75	145

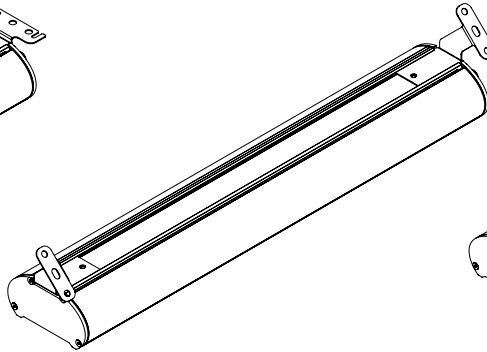


MOUNTINGS

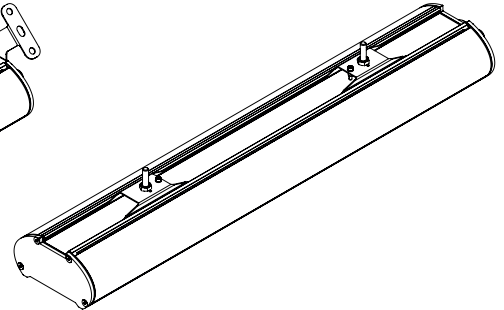
AMOA (standard)



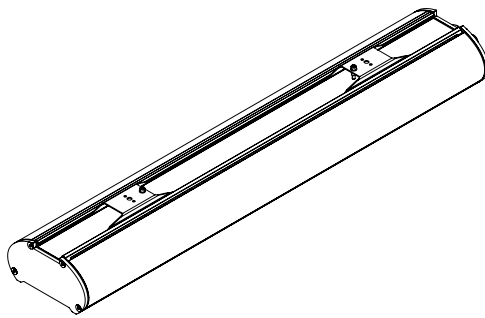
AMOB



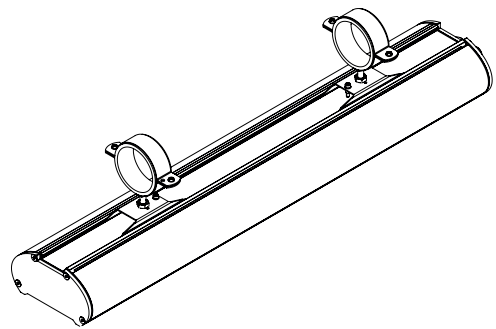
AMOC



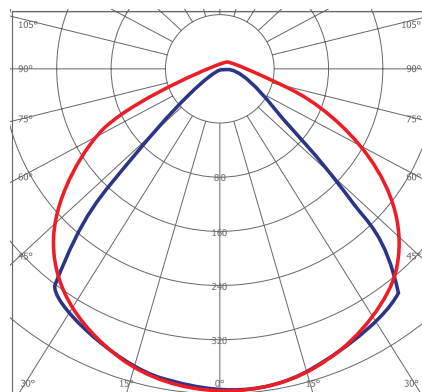
AMOD



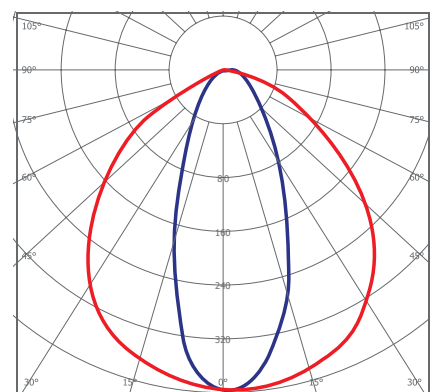
AMOE



PHOTOMETRY



WB



NB

[illegible]

Optional DA version of the light fitting is equipped with an integrated power supply unit with DALI interface, which allows to control parameters of lighting - depending on data from motion sensors or BIM settings. Properly configured lighting control system can significantly reduce costs of energy and improve the ergonomics of users.



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