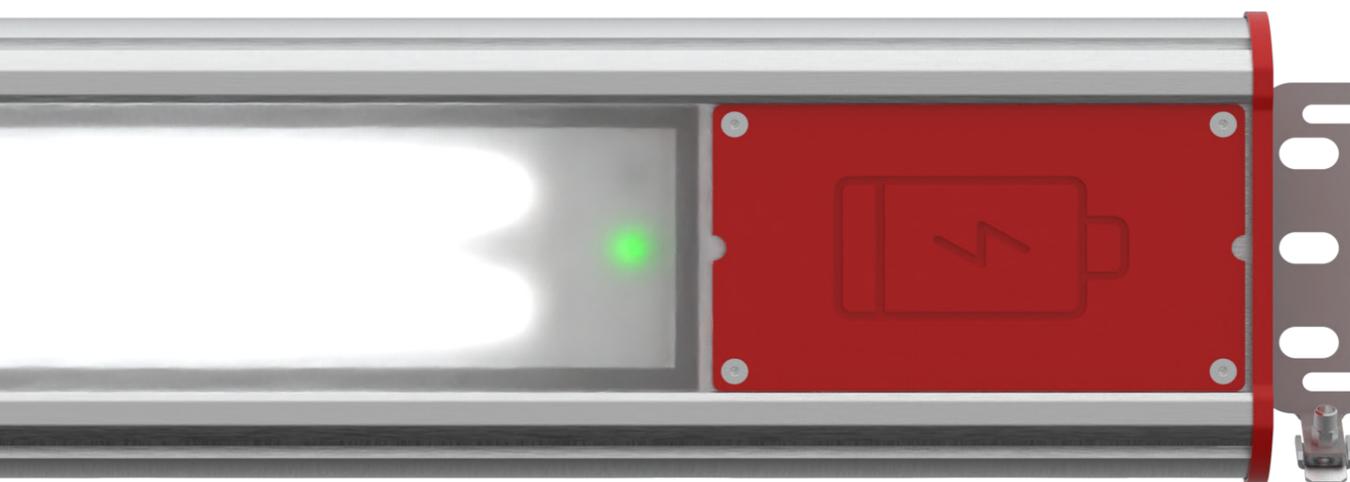


ZONE 1,21 & 2,22



EMERGENCY LIGHT FIXTURE EXF400LED-A3





VERSION WITH A PICTOGRAM

LED diode which indicates the emergency system status is visible.



* - sprawdź warunki pracy oprawy w ujemnych temperaturach na stronie 5.

EX MARKING:



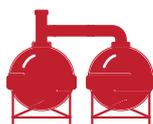
CERTIFICATES:

ATEX KDB 25 ATEX 0012X

EXEMPLARY APPLICATIONS



REFINERIES

FUEL
TANKSCHEMICAL
PLANTSCHEMICAL
WAREHOUSESPASSAGeways
IN EX ZONES

Explosionproof light fitting with an emergency power module **A3** or **A1**. Designed to work in the zone **1.21 & 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. Bracket made of stainless steel.

Optional version with DALI-2 control system **DA**, or adapted to be powered from a 3-phase network **3F**.

FEATURES



MECHANICAL PARAMETERS

	housing	anodized aluminum (ALU)
	diffuser	tempered glass (GL) polycarbonate (PC)
	ingress protection	IP66 / IP67
	protection class	I
	mounting	different mountings <i>check: mountings</i>
	access	revision cover

ELECTRICAL PARAMETERS

	connection terminals	2,5 mm ² 4,0 mm ² - <i>optionally</i>
	input voltage	34E: 220-240V 50-60Hz, 44E: 110-127V 50-60Hz
	light source	intrinsically safe LED module
	power factor	>0,96 <i>FC1 - below the value</i>
	cable inlets	Ø20 (wire 6-13mm) Ø25 - <i>optionally</i> (wire 9-17mm)
	overvoltage protection	1kV (L-N) 2kV (L-PE)

WORK PARAMETERS

	ambient temperature	0°C (*-20°C) to +45°C <i>* - check the operating conditions of the luminaire at sub-zero</i>
	lifetime	>85.000h L ₈₀ B ₁₀ >100.000h L ₇₀ B ₁₀

PHOTOMETRICAL PARAMETERS

	CRI	>84
	color temperature	4000K 6500K - <i>optionally</i>



As standard, the housing is equipped with a 20 gland system (two glands on one side of the housing). This housing can be used both as an end and a through (double-sided or single-sided). The glands are equipped with sealing plugs and should be left in place if the glands are not used.

TYPES COMPARISON

Standard versions:

⚡ Voltage 220-240V, 50-60Hz (34E)  3h

TYPE	LUMINOUS FLUX [lm]	POWER CONSUMP. [W]	EFFICIENCY [lm/W]	EMERGENCY FLUX [lm]	AMB. TEMP.
EXF400LED-0600-FC1-1	2035	20,3	100	481	0°C (-20°C) ÷ 45°C
EXF400LED-0600-FC1-2	2427	23,3	104	483	0°C (-20°C) ÷ 45°C
EXF400LED-0600-FC1-3	2865	26,0	110	487	0°C (-20°C) ÷ 45°C
EXF400LED-0600-FC2-1	3956	34,6	114	545	0°C (-20°C) ÷ 45°C
EXF400LED-0600-FC2-2	4593	37,3	123	532	0°C (-20°C) ÷ 45°C
EXF400LED-0600-FC2-3	5520	45,8	121	512	0°C (-20°C) ÷ 45°C
EXF400LED-1200-FC2-1	4059	34,6	117	545	0°C (-20°C) ÷ 45°C
EXF400LED-1200-FC2-2	4844	40,3	120	547	0°C (-20°C) ÷ 45°C
EXF400LED-1200-FC2-3	5665	44,0	129	549	0°C (-20°C) ÷ 45°C
EXF400LED-1200-FC4-1*	7785	61,8	125	545	0°C (-20°C) ÷ 45°C
EXF400LED-1200-FC4-2*	9150	73,3	125	547	0°C (-20°C) ÷ 45°C
EXF400LED-1200-FC4-3*	10839	84,1	129	549	0°C (-20°C) ÷ 45°C

* - in emergency mode, half of LED modules are activated.

Optional versions:

⚡ Voltage 110-127V, 50-60Hz (44E)  1,5h

TYPE	LUMINOUS FLUX [lm]	POWER CONSUMP. [W]	EFFICIENCY [lm/W]	EMERGENCY FLUX [lm]	AMB. TEMP. [°C]
EXF400LED-0600-FC1	3123	29,0	107	1062	0 ÷ + 45°C
EXF400LED-0600-FC2	5881	50,9	115	1151	0 ÷ + 45°C
EXF400LED-1200-FC2	6076	48,2	126	1350	0 ÷ + 45°C



Luminous flux tolerance +/- 10%
Power tolerance +/- 10%

The parameters given in the following data sheet has been determined for the temperature $T_a=25^{\circ}\text{C}$.

During the charging of the A3 and A3S emergency power supply modules, the luminaire's power consumption increases by 3W.

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



Standard version is available on different data sheet - **EXF400LED**.

EMERGENCY VERSIONS



Emergency power module:

1,5h emergency power module

A1



Emergency power module:

3h emergency power module

A3

During the charging of the A3 and A3S emergency power supply modules, the luminaire's power consumption increases by 3W.



The luminaire can operate within a temperature range of -20°C to 0°C, provided that the following conditions are met:

- Battery charging must always take place at temperatures above 0°C,
- Within the ambient temperature range of -20°C to 0°C, the luminaire must remain continuously on to prevent loss of battery capacity,
- When the battery is fully charged, the luminaire may switch to emergency mode at ambient temperatures from -20°C to 0°C.



The operating duration of the emergency modules is specified for $T_a = 25^{\circ}\text{C}$.

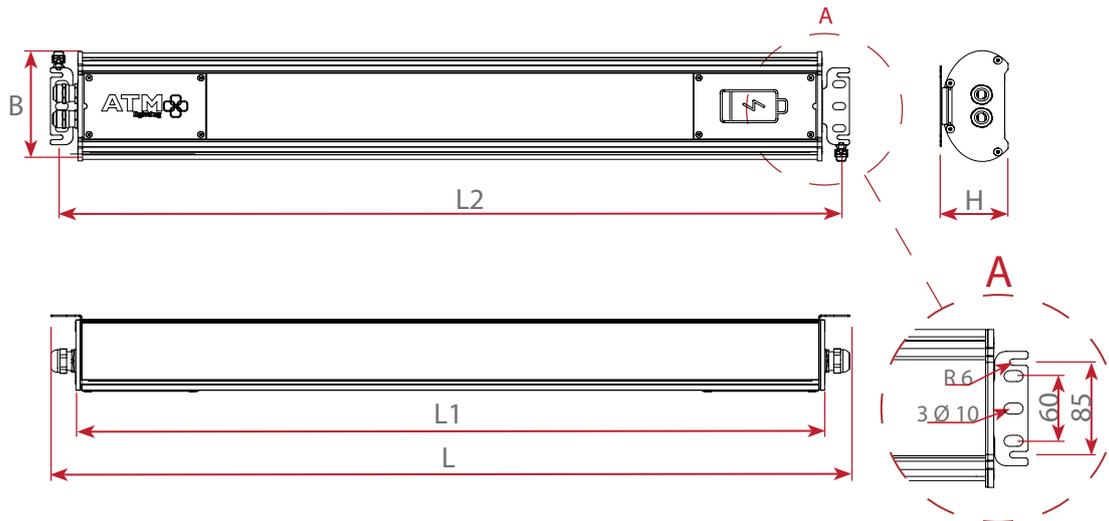
For ambient temperatures between 40°C and 45°C, the operating time of the emergency module is reduced to 2 hours and 30 minutes.

MAXIMAL NUMBER OF FIXTURES CONNECTED IN LINE

MAXIMUM NUMBER OF LINE CONNECTED LUMINAIRES DEPENDING ON THE USED CIRCUIT BREAKERS

Power supply	B16	C16	Max. starting current	Starting time
34E	27	45	4A	< 1300 μs
44E	24	40	22A	< 200 μs

DIMENSIONS



TYPE	L	L1	L2	H	B	weight [kg]
EXF400LED-0600	1035	965	1005	75	145	~ 7,5
EXF400LED-1200	1595	1525	1565	75	145	~ 11,0

VERSION WITH A PICTOGRAM

PICTOGRAM VERSION WITH EMERGENCY POWER SUPPLY MODULE (A3 OR A1)



The pictogram can be selected from the patterns below, or can be made to the Customer's special order.



Pictogram dimensions: 600x85mm [LxB]

Pictogram brightness >200 cd/m2

The version with pictogram can only be selected for the FC2 luminaire type.



The product version with pictogram powered by a central battery is available on a separate catalogue sheet **EXF400LED**.

OPTIONAL VERSIONS



DALI-2 driver:

Version equipped with DALI-2 driver

DA

Optionally, the housing can be equipped with an integrated power supply with a DALI-2 interface, which allows monitoring the operation of the fixture and controlling the lighting using data directly from motion sensors or from the building management system (BMS). A properly configured lighting control system can significantly reduce electricity costs and improve user ergonomics.

The DALI-2 power supply is available only for the 35E power version (220-240V, 50-60Hz).

For temperatures below -30°C, DALI functionality may be limited. Power at the terminal > 12V.

3F

3-phase:

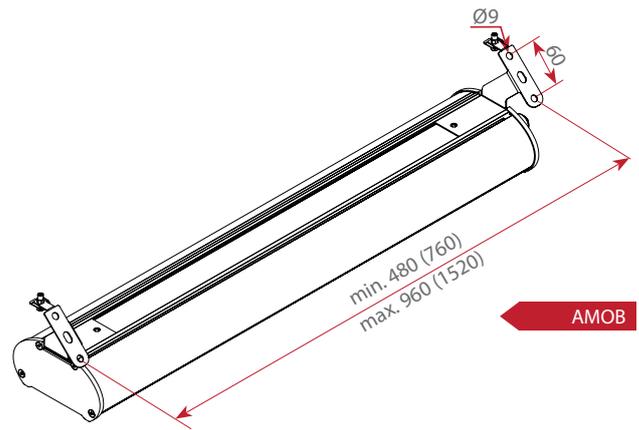
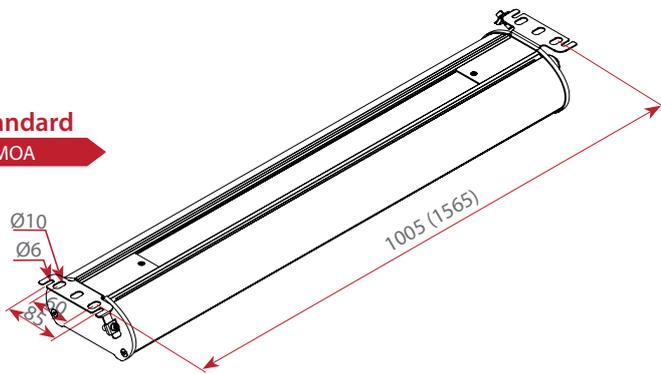
Version with terminals L1, L2, L3, PE, N powered from L and N with voltage of 230V

3F

MOUNTINGS

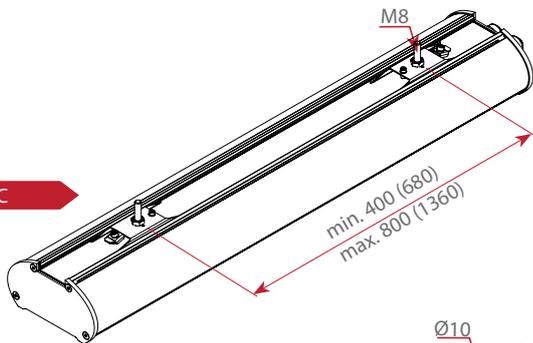
standard

AMOA



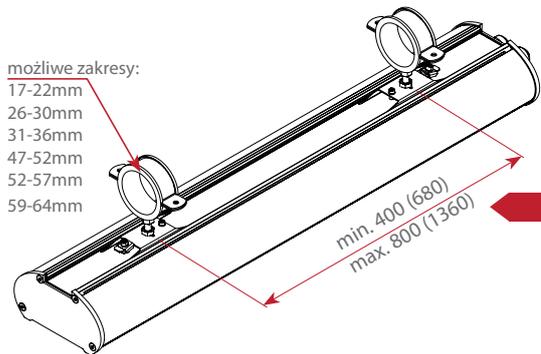
AMOB

AMOC



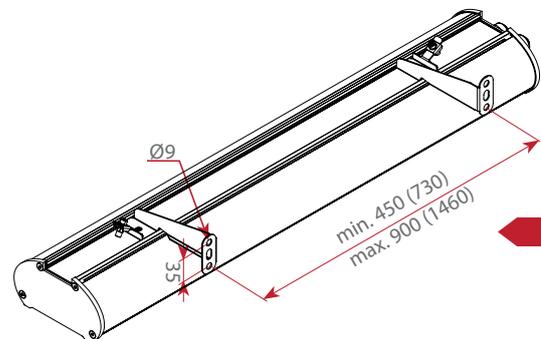
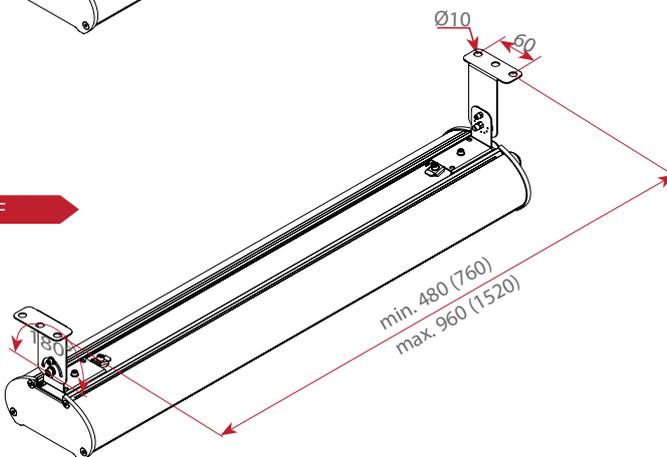
możliwe zakresy:

- 17-22mm
- 26-30mm
- 31-36mm
- 47-52mm
- 52-57mm
- 59-64mm



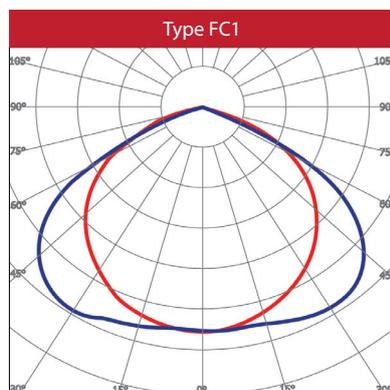
AMOE

AMOF

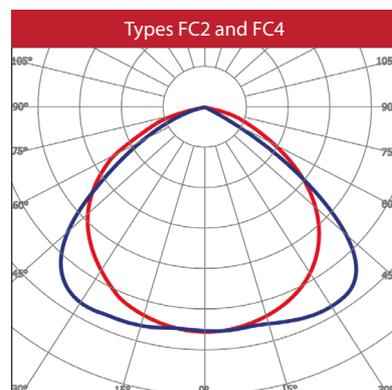


AMOG

PHOTOMETRY



FWHM 0° - 180°: 126°
FWHM 90° - 270°: 113°



FWHM 0° - 180°: 112°
FWHM 90° - 270°: 114°

