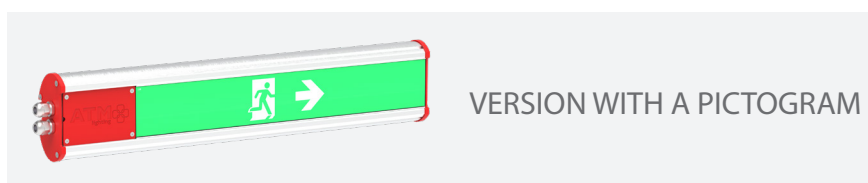


ZONE 1,21 & 2,22



EXF400LED





EX MARKING:

II 2G Ex eb mb op is IIC T5 Gb
II 2D Ex tb op is IIC T85°C Db

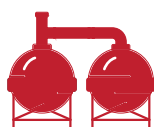
CERTIFICATES:

JSHP 22 ATEX 0022X

EXEMPLARY APPLICATIONS



REFINERIES

FUEL
TANKSCHEMICAL
PLANTSCHEMICAL
WAREHOUSESPASSAGEWAYS
IN EX ZONES

Explosionproof light fitting with **LED modules**. 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** control system.

Optional version with DALI control system **(DA)**, adapted to be supplied from central battery **(ZB)**, or from a 3-phase network **(3F)**.

FEATURES



MECHANICAL PARAMETERS

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

ELECTRICAL PARAMETERS


2,5 mm²110-254V, 50-60Hz
220-250V, 0Hz
or 220-240V 0,50-60Hzintrinsically safe
LED modules

>0,95

Ø20 or Ø25

1kV (L-N)
2 kV (L-PE)connection
terminalsinput
voltagelight
sourcepower
factorcable
inletsovervoltage
protection

WORK PARAMETERS

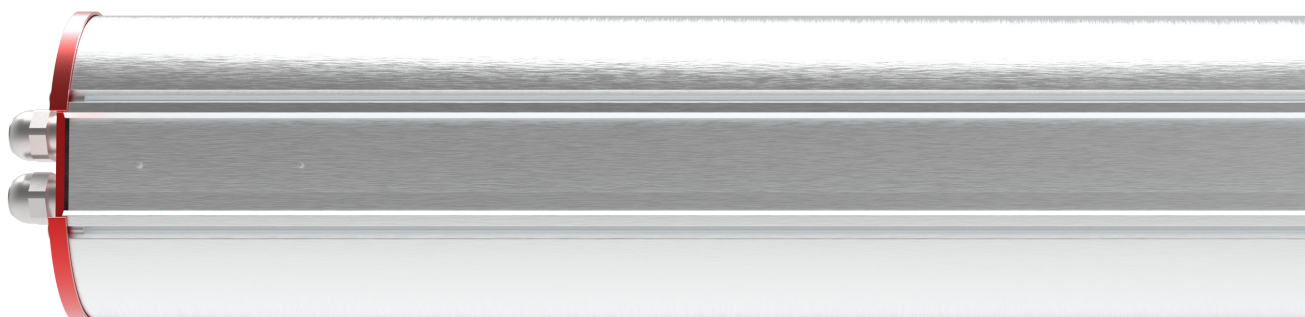
	ambient temperature	-40°C to +55°C
	lifetime	>70.000h L ₈₀ B ₁₀

PHOTOMETRICAL PARAMETERS

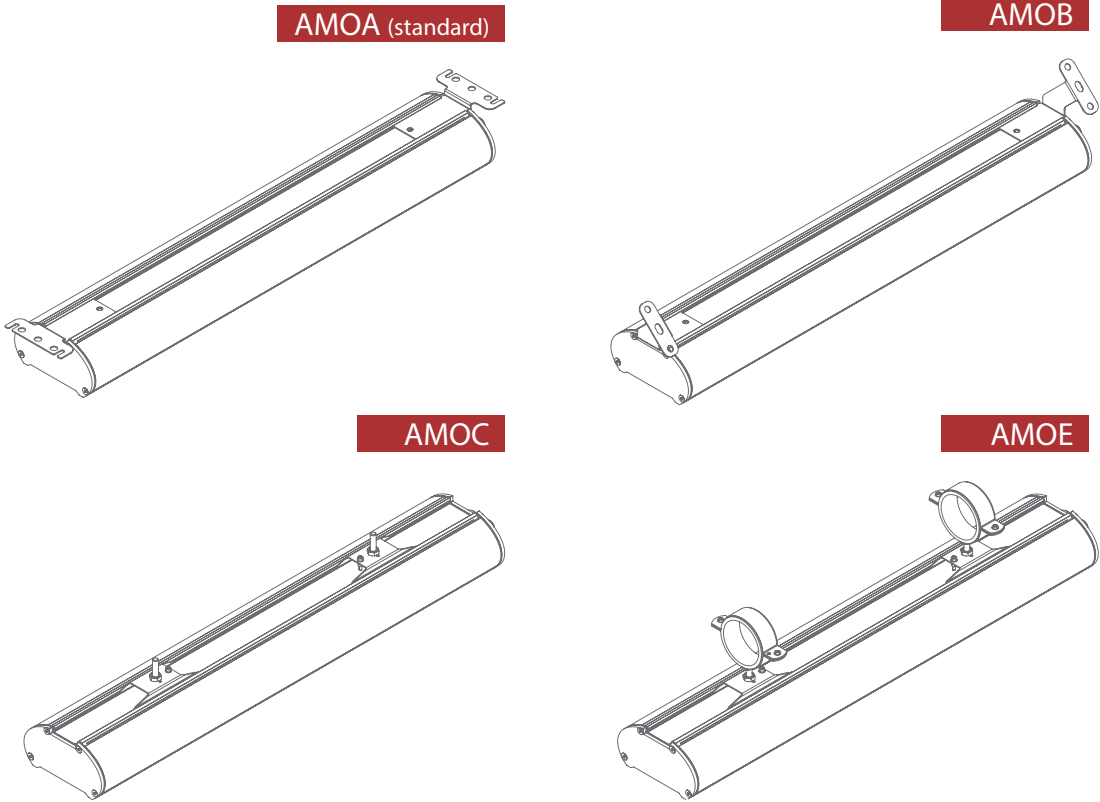
>80

4000K
6500K - *option*

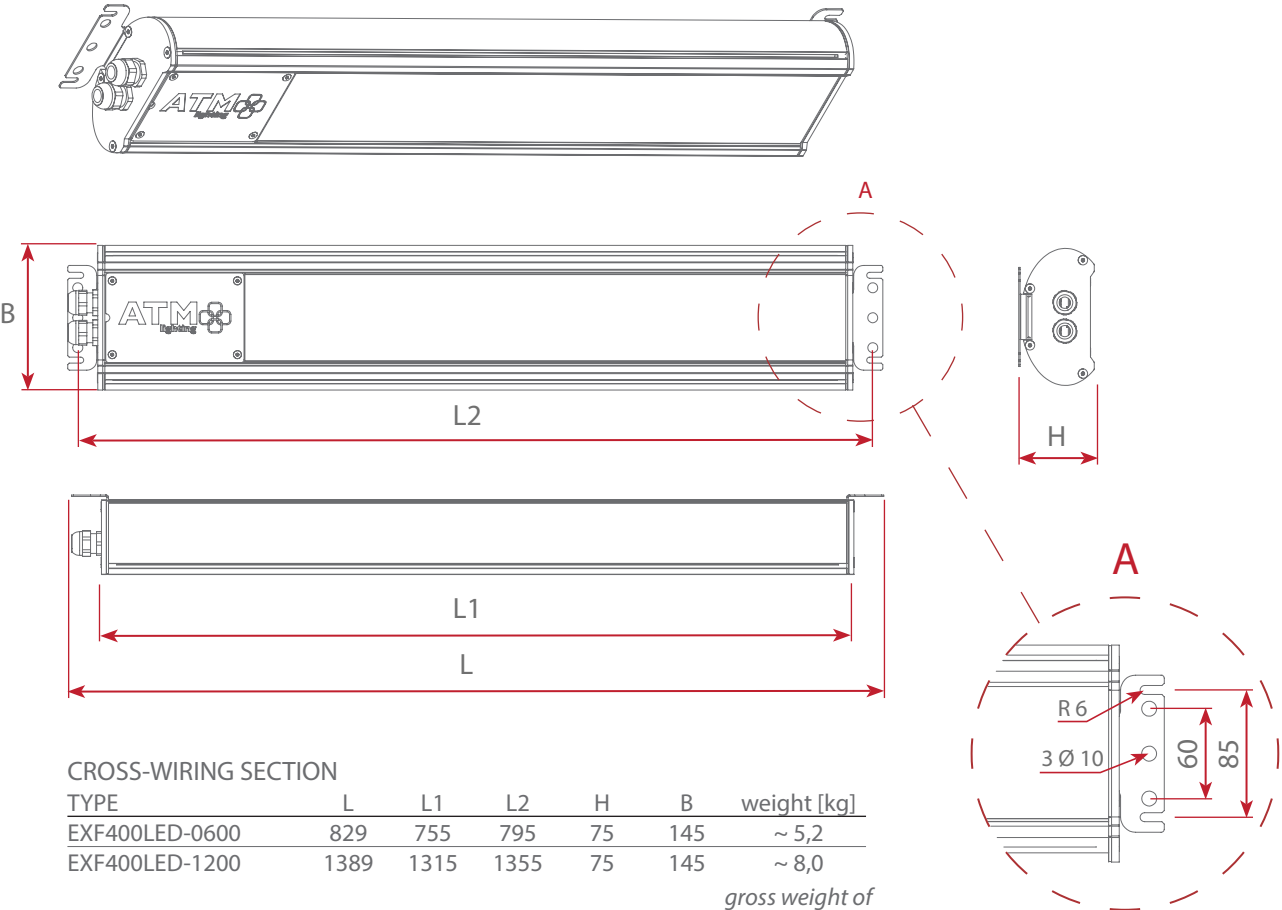
CRI

colour
temperature

MOUNTINGS



DIMENSIONS



gross weight of
standard versions

TYPES COMPARISON

Power supply 220-240V, 0/50-60Hz (35E)

TYPE OF THE FIXTURE	LUMINOUS FLUX [lm]	POWER CONSUMPTION [W]	EFFICIENCY [lm/W]	AMBIENT TEMPERATURE [°C]
EXF400LED-0600-FB1-1	2022	15,7	129	- 40 ÷ + 55°C
EXF400LED-0600-FB1-2	2427	18,5	131	- 40 ÷ + 55°C
EXF400LED-0600-FB1-3	2831	21,3	133	- 40 ÷ + 55°C
EXF400LED-0600-FB2-1	3827	29,5	130	- 40 ÷ + 55°C
EXF400LED-0600-FB2-2	4593	34,9	132	- 40 ÷ + 55°C
EXF400LED-0600-FB2-3	5358	40,5	132	- 40 ÷ + 55°C
EXF400LED-1200-FB2-1	4036	29,7	136	- 40 ÷ + 55°C
EXF400LED-1200-FB2-2	4844	35,1	138	- 40 ÷ + 55°C
EXF400LED-1200-FB2-3	5651	40,7	139	- 40 ÷ + 55°C
EXF400LED-1200-FB4-1	7625	57,5	133	- 40 ÷ + 55°C
EXF400LED-1200-FB4-2	9150	68,0	135	- 40 ÷ + 55°C
EXF400LED-1200-FB4-3	10675	79,7	134	- 40 ÷ + 55°C

Power supply 110-254V, 50-60Hz; 220-250V 0Hz (25E)

TYPE OF THE FIXTURE	LUMINOUS FLUX [lm]	POWER CONSUMPTION [W]	EFFICIENCY [lm/W]	AMBIENT TEMPERATURE [°C]
EXF400LED-0600-FB1	2993	25,0	120	- 40 ÷ + 55°C
EXF400LED-0600-FB2	5664	45,0	126	- 40 ÷ + 55°C
EXF400LED-1200-FB2	5974	45,0	133	- 40 ÷ + 55°C
EXF400LED-1200-FB4	11285	89,9	126	- 40 ÷ + 55°C



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

OPTIONAL VERSIONS



Central battery:

Version with a driver for central battery

ZB

MEAN EMERGENCY LUMINOUS FLUX

35E (50% of nominal luminous flux)

TYPE	LUMINOUS FLUX [lm]
EXF400LED-0600-FB1-1	1011
EXF400LED-0600-FB1-2	1214
EXF400LED-0600-FB1-3	1416
EXF400LED-0600-FB2-1	1914
EXF400LED-0600-FB2-2	2297
EXF400LED-0600-FB2-3	2679
EXF400LED-1200-FB2-1	2018
EXF400LED-1200-FB2-2	2422
EXF400LED-1200-FB2-3	2826
EXF400LED-1200-FB4-1	3813
EXF400LED-1200-FB4-2	4575
EXF400LED-1200-FB4-3	5338

25E (100% of nominal luminous flux)

TYPE	LUMINOUS FLUX [lm]
EXF400LED-0600-FB1	2993
EXF400LED-0600-FB2	5664
EXF400LED-1200-FB2	5974
EXF400LED-1200-FB4	11285

VERSION WITH PICTOGRAM

Selfadhesive pictograms can be added optionally.

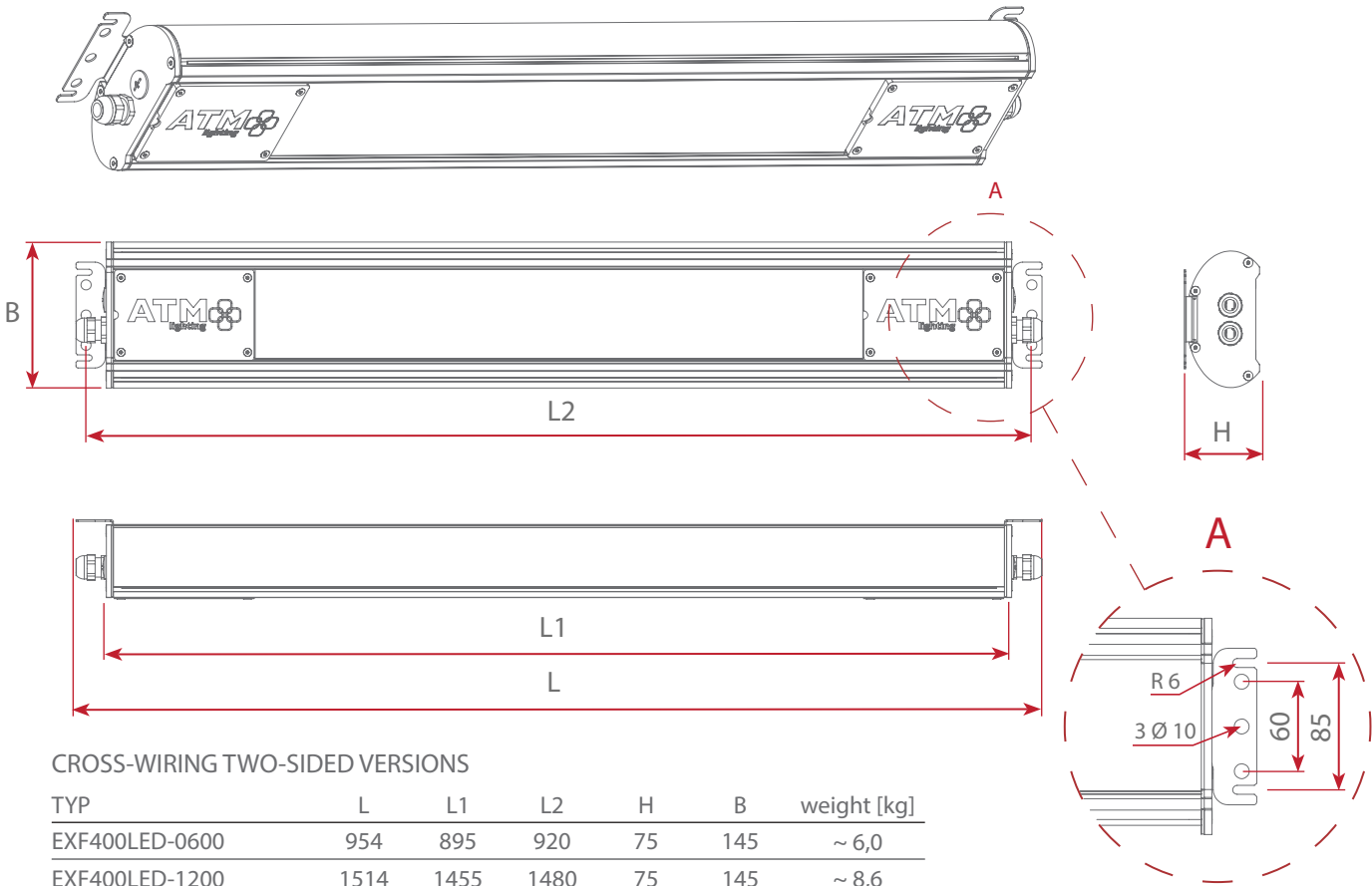
Pictogram dimensions: 600x85mm [LxH]

Pictogram brightness >200 cd/m2

Version with pictogram can be chosen only for FB1 fixture type.



TWO-SIDED VERSIONS

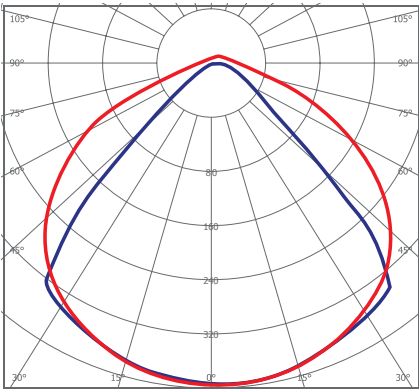


CROSS-WIRING TWO-SIDED VERSIONS

TYP	L	L1	L2	H	B	weight [kg]
EXF400LED-0600	954	895	920	75	145	~ 6,0
EXF400LED-1200	1514	1455	1480	75	145	~ 8,6

gross weight of
standard versions

PHOTOMETRY



CONFIGURATIONS

E X F 4 0 0 L E D -										- FB -				E -				- ALU -				- GL -				- ZB -				- 3F -				- AMOA			
group explosionproof light fittings type type 400										0 6 0 0				1 1 2 5				30 10 M 25				GL				ZB				3F				AMOA			
source of light LED modules										1 2 0 0				2 2 3				33 11 P 25				PC				DA								AMOB			
approximate length ~ 600mm, 1200mm														4 3				40 20																AMOC			
LED modules type																		44 21																AMOE			
LED modules quantity																		50 22																			
driving version																		55																			
power supply 25E - 110-254 50-60Hz, 220-240 0Hz 35E - 230V, 0/50÷60Hz																		60																			
wiring 30 - single 3-pole terminal → 3 33 - double 3-pole terminal → 3 3 40 - single 4-pole terminal → 4 44 - double 4-pole terminal → 4 4 50 - single 5-pole terminal → 5 55 - double 5-pole terminal → 5 5 60 - single 6-pole terminal → 6 66 - double 6-pole terminal → 6 6 70 - single 7-pole terminal → 7 77 - double 7-pole terminal → 7 7																		66																			
cable inlets - quantity 10 - 1 cable inlet on the one side of the housing → 1 0 11 - 1 cable inlet on each side of the housing → 1 1 20 - 2 cable inlets on the one side of the housing → 2 0 21 - 2 cable inlets on the one side of the housing and 1 on the another → 2 1 22 - 2 cable inlets on each side of the housing → 2 2																		70																			
cable inlets - material M - metal P - plastic																		77																			
cable inlets - size 20 - Ø20 25 - Ø25																																					
housing material ALU - anodised material																																					
diffuser material GL - tempered glass PC - polycarbonate																																					
emergency versions ZB - version with driver for central battery DA - version equipped with integrated power supply unit																																					
3-phase network version 3F - version adapted to work in 3-phase network																																					
mounting																																					

ADDITIONAL INFORMATION



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.

DOWNLOADS

