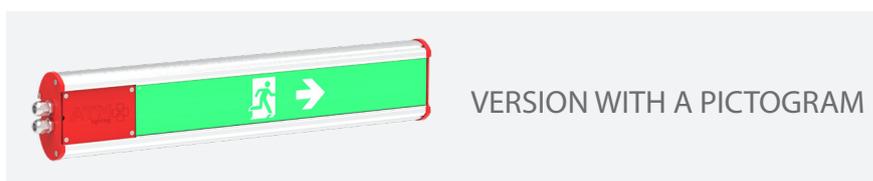


ZONE 1,21 & 2,22



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

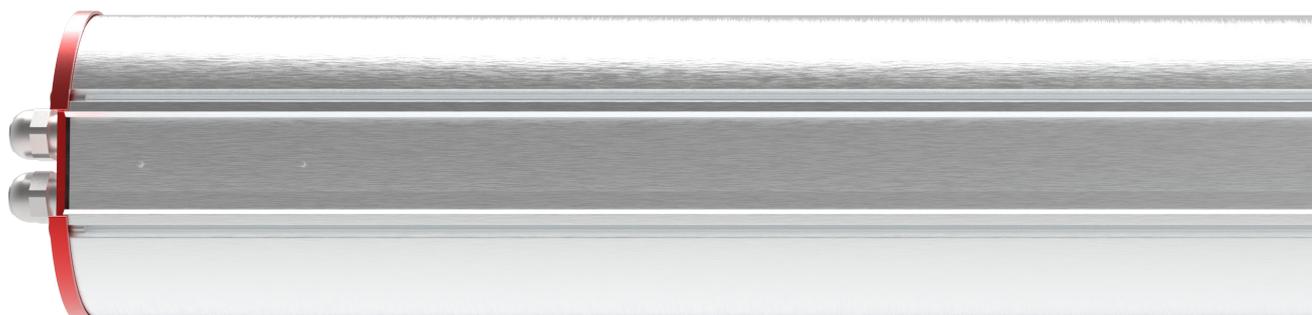
2,5 mm ²		connection terminals
110-254V, 50-60Hz 220-250V, 0Hz or 220-240V 0,50-60Hz		input voltage
intrinsically safe LED modules		light source
>0,95		power factor
Ø20 or Ø25		cable inlets
1kV (L-N) 2 kV (L-PE)		overvoltage protection

WORK PARAMETERS

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

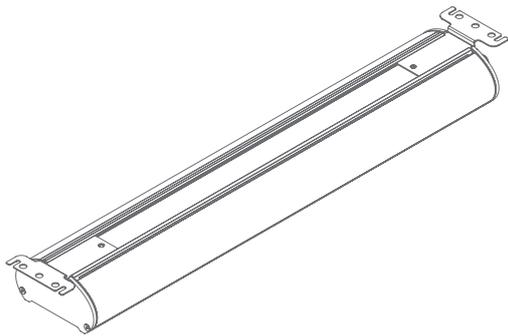
PHOTOMETRICAL PARAMETERS

>80		CRI
4000K 6500K - option		colour temperature

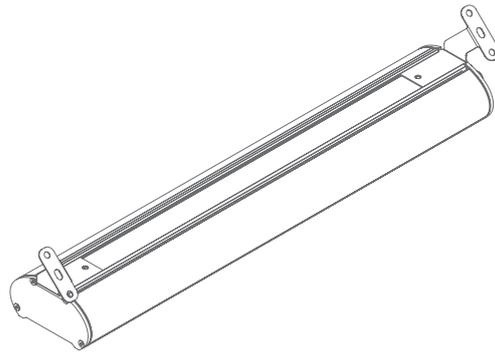


MOUNTINGS

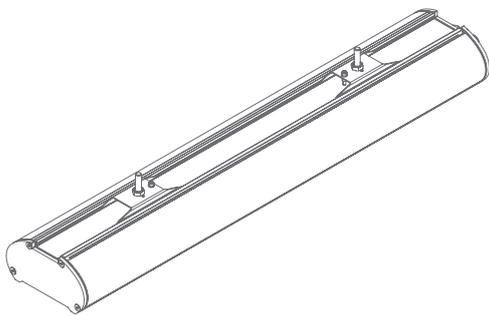
AMOA (standard)



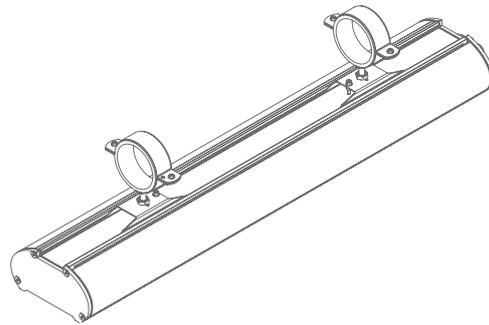
AMOB



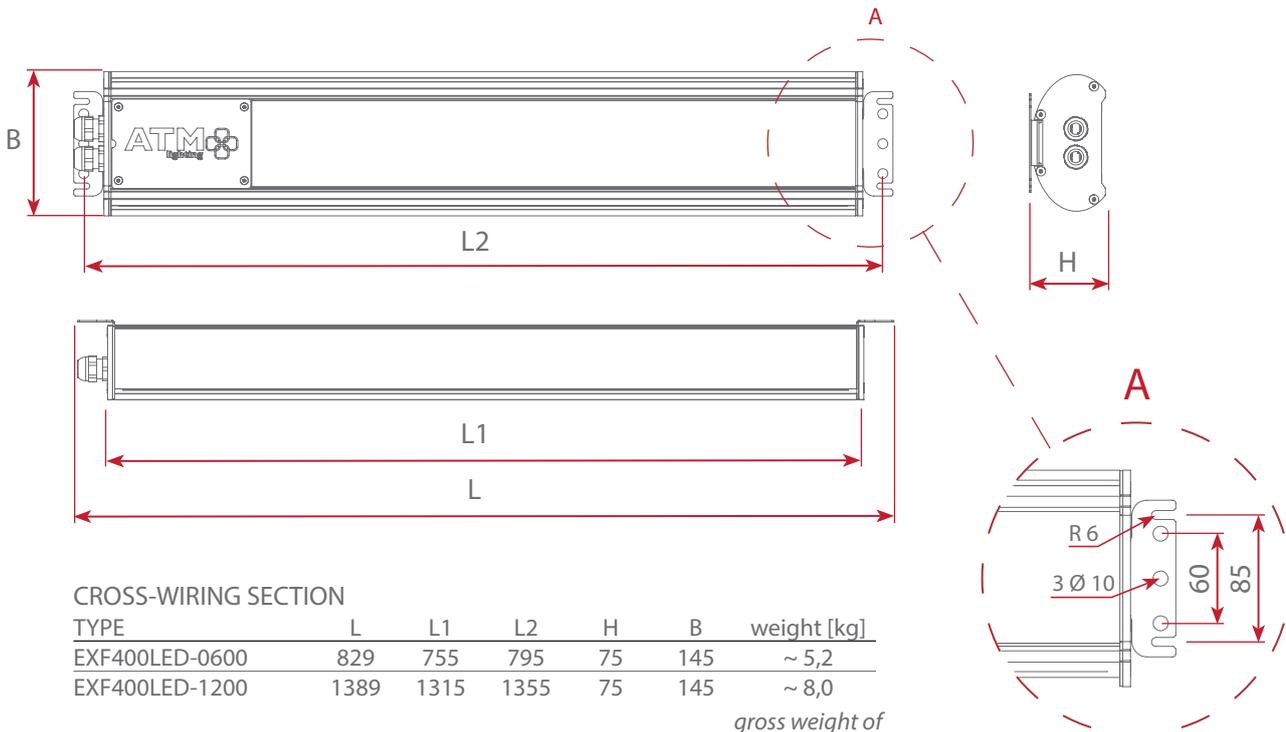
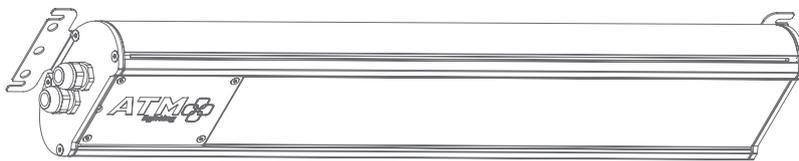
AMOC



AMOE



DIMENSIONS



CROSS-WIRING SECTION

TYPE	L	L1	L2	H	B	weight [kg]
EXF400LED-0600	829	755	795	75	145	~ 5,2
EXF400LED-1200	1389	1315	1355	75	145	~ 8,0

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 $T_a=25^{\circ}\text{C}$.

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.

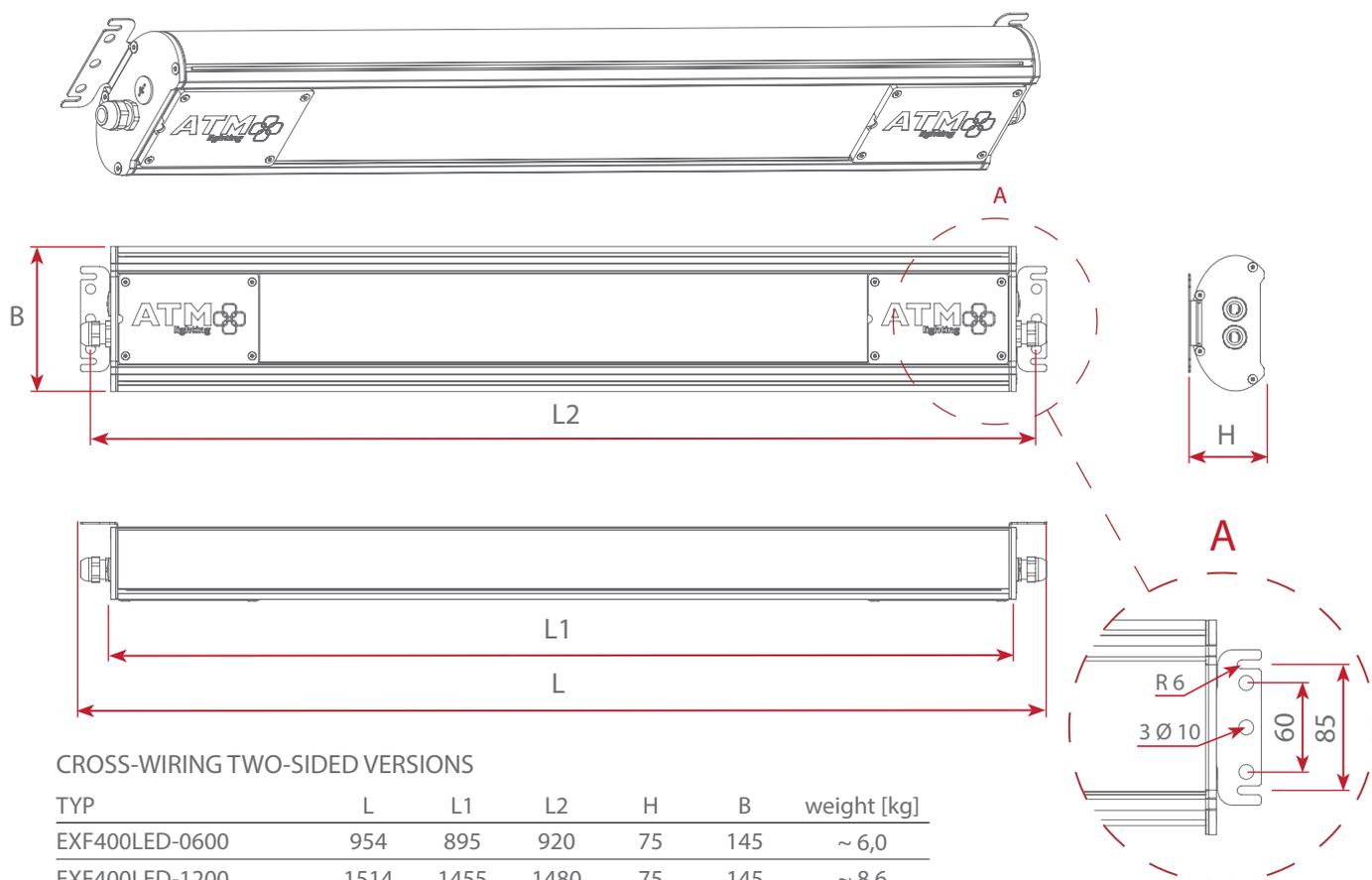
Pictogram dimensions: 600x85mm [LxH]

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

