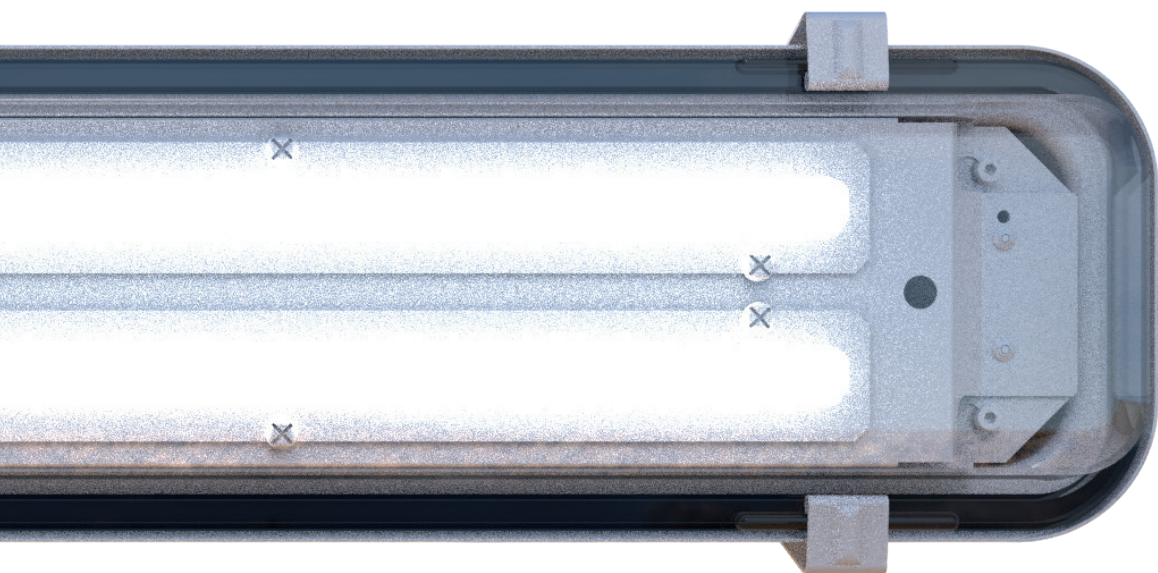


ZONE 1,21&2,22



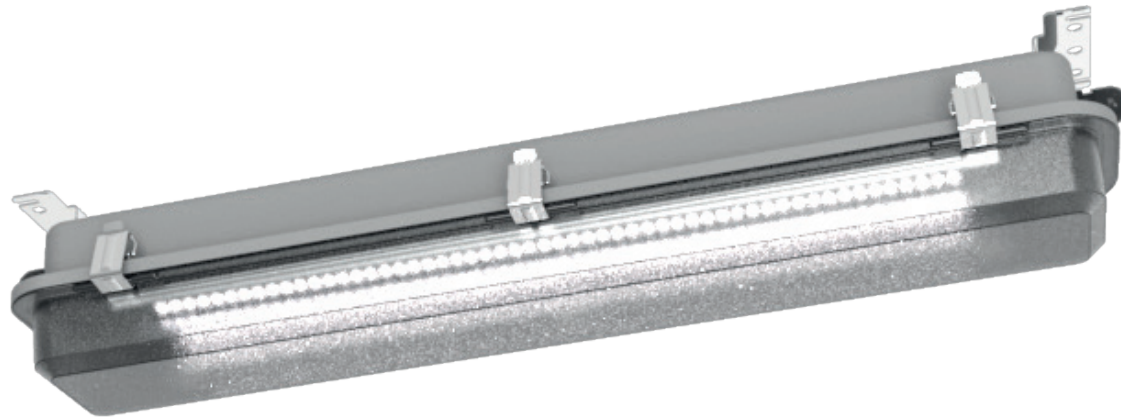
EXF300LED



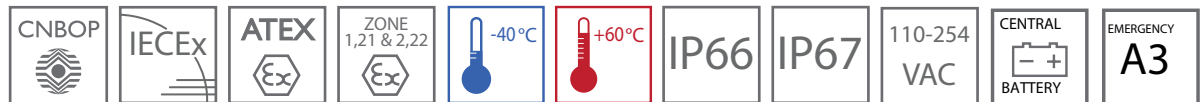
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KDB 15ATEX0049X
IECEX KDB 20.0003X



EX FEATURE:

II 2G Ex eb mb op is IIC T5 Gb
II 2D Ex tb op is IIIC T55°C Db or T70°C Db

EXEMPLARY APPLICATIONS



REFINERIES



OFFSHORE



CHEMICAL
PLANTS



CHEMICAL
WAREHOUSES



PASSAGeways
IN EX ZONES

Explosionproof light fitting with **LED modules** for suspended coffered ceilings or to be mounted on the ceiling surface. 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 powder coated stainless steel.

Optional version with autonomous **A3** power source or **ZB** central battery.

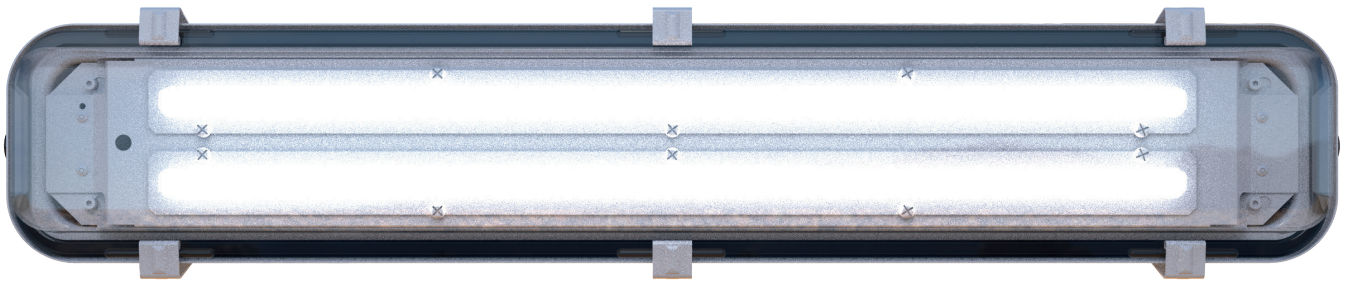


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FEATURES





MECHANICAL PARAMETERS

	housing	powder coated stainless steel
	diffuser	UV stabilised polycarbonate
	ingress protection	IP67
	protection class	I
	mounting	on the surface with connections
	accessories	mounting accessories

ELECTRICAL PARAMETERS

2,5 mm ²		connection terminals
110-254 VAC (50-60Hz), 220-250 VDC		input voltage
intrinsically safe LED modules		light source
>0,97		power factor
Ø20 or Ø25		cable inlets
2 kV		overvoltage protection

WORK PARAMETERS

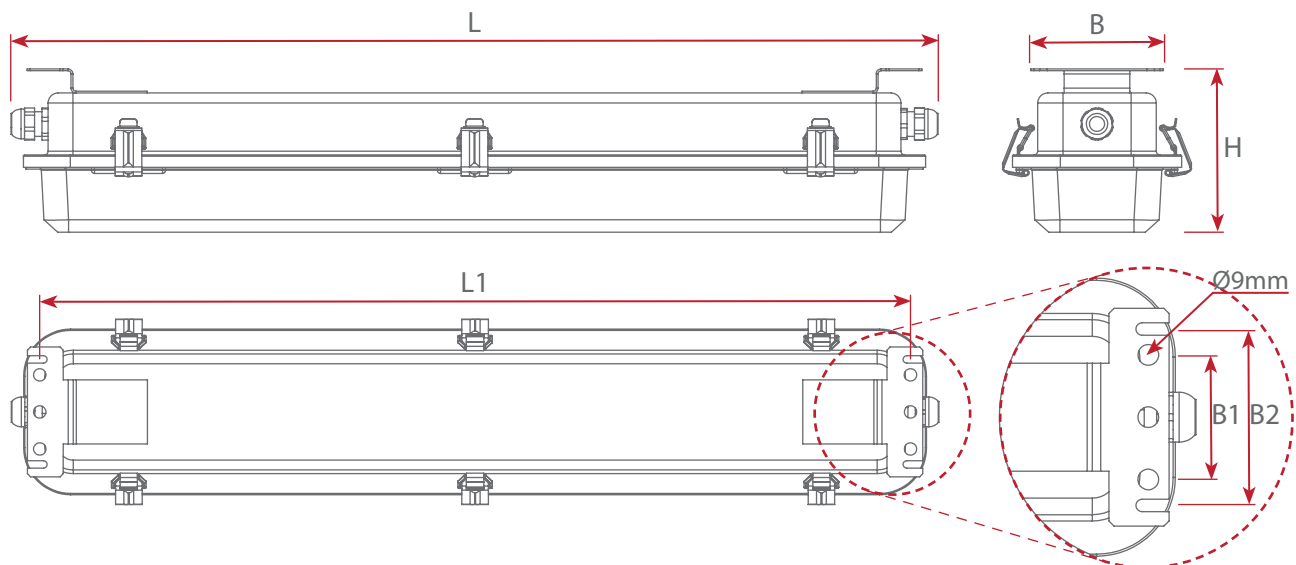
	ambient temperature	-40°C to +60°C <i>check: types comparsion</i>
	lifetime	>70.000h L ₈₀ B ₁₀

PHOTOMETRICAL PARAMETERS

>80		CRI
6500K 4000K - option		colour temperature



DIMENSIONS



TYPE	L [mm]	L1 [mm]	B [mm]	B1 [mm]	B2 [mm]	H [mm]
EXF300LED-0600	730	704	150	60	85	134
EXF300LED-1200	1340	1314	150	60	85	134

TYPES COMPARISON

VERSION HIGH OUTPUT (HO) +45°C

TYPE OF THE FITTING	LUMINOUS FLUX [lm]	POWER CONSUMPTION [W]	EFFICIENCY [lm/W]	MAX. AMB. TEMP. [°C]
EXF300LED-0600-F1	2069	21,2	96	45
EXF300LED-0600-FX2	4326	38,6	112	45
EXF300LED-1200-F2	4177	38,6	106	45
EXF300LED-1200-FX4	8692	78,1	111	45

VERSION HIGH TEMPERATURE (HT) +55°C

TYPE OF THE FITTING	LUMINOUS FLUX [lm]	POWER CONSUMPTION [W]	EFFICIENCY [lm/W]	MAX. AMB. TEMP. [°C]
EXF300LED-1200-GX4	5749	47,0	121	55

VERSION HIGH TEMPERATURE (HT) +60°C

TYPE OF THE FITTING	LUMINOUS FLUX [lm]	POWER CONSUMPTION [W]	EFFICIENCY [lm/W]	MAX. AMB. TEMP. [°C]
EXF300LED-0600-GX2	2882	25,3	113	60
EXF300LED-1200-G2	2661	25,3	106	60

OPTIONAL VERSIONS



Emergency power module:

Version with 3h emergency power module. The possibility of work above 0°C.

MEAN EMERGENCY MODE LUMINOUS FLUX

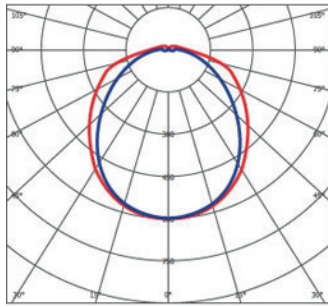
TYPE OF THE FITTING	VERSION A3 [lm]
EXF300LED-0600-F1	97
EXF300LED-0600-FX2	203
EXF300LED-0600-GX2	135
EXF300LED-1200-F2	196
EXF300LED-1200-FX4	203
EXF300LED-1200-GX4	270
EXF300LED-1200-G2	125



Central battery:

Version with a driver for central battery.

PHOTOMETRY



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

CONFIGURATION

EXF300LED - - - - 35E - - - - 20 - NIRO - PC - -

group explosionproof light fittings	0 6 0 0	F 1	30	10	M	25			A3
type type 300	1 2 0 0	FX 2	33	11	P				ZB
source of light LED modules		G 4	40	20*					
approximate length ~ 600mm, 1200mm		GX	44	21*					
LED module type			50	22*					
LED module quantity			55						
power supply 35E - 230V, 0/50~60Hz			60						
wiring			66						
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							
cable inlets - quantity									
10 - one cable inlet at one side	→	1 0							
11 - one cable inlet at both sides	→	1 1							
20 - two cable inlets at one side	→	2 0							only for M25 and P25
21 - two cable inlets at one side and one at the another	→	2 1							only for M25 and P25
22 - two cable inlets at both sides	→	2 2							only for M25 and P25
cable inlets - material									
M - metal									
P - plastic									
cable inlets - size									
20 - Ø20									
25 - Ø25									
housing material									
NIRO - powder coated stainless steel									
diffuser material									
PC - UV stabilised polycarbonate									
emergency versions									
A3 - version with 3h emergency power module available only with 34E power supply (250V, 50-60Hz). Works in the temperature above 0°C. Configuration 11P20 is NOT available for the emergency version 0600...-A3									
ZB - version with driver for central battery									

DOWNLOADS

