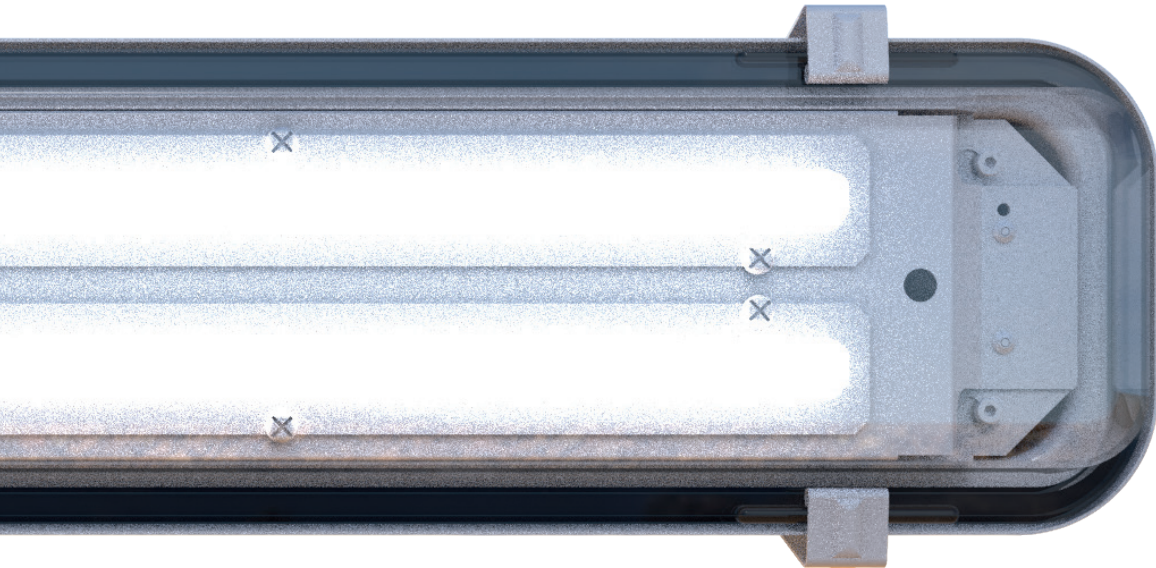
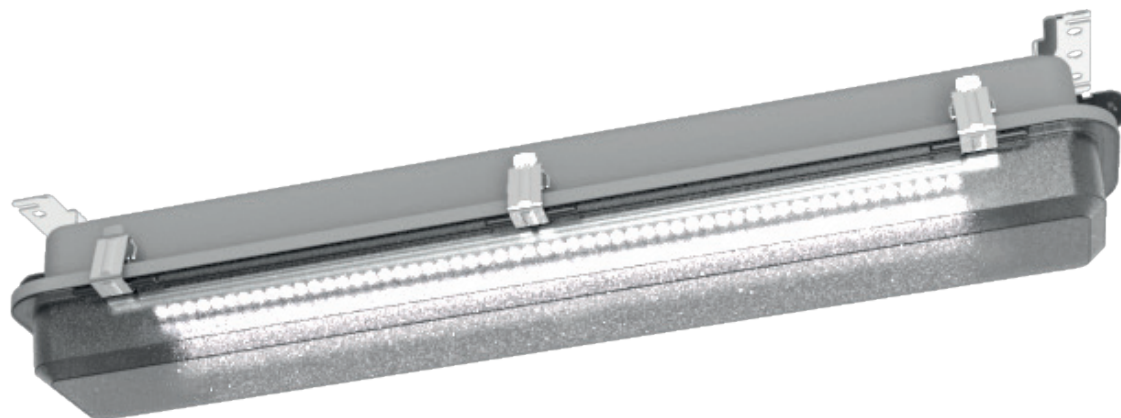


ZONE 1,21&2,22

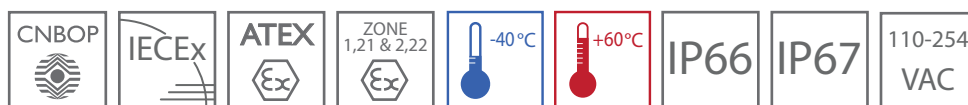


# EXF300LED





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

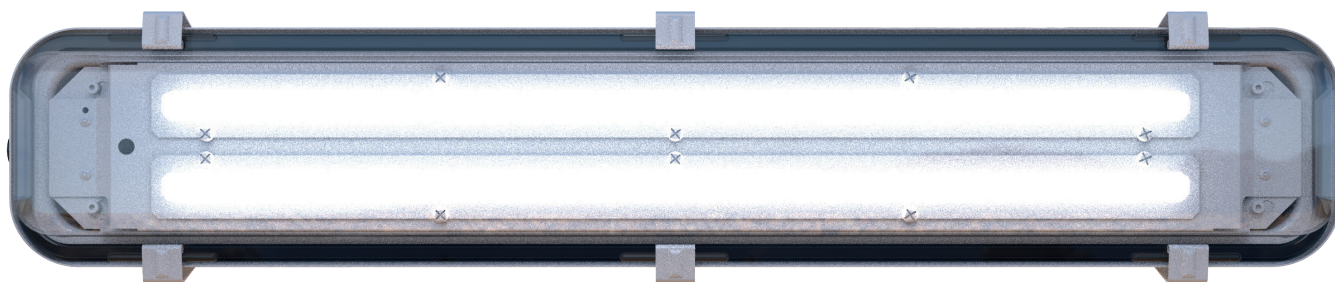


PASSAGEWAYS  
IN EX ZONES







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 steel or stainless steel.

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







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

## WORK PARAMETERS

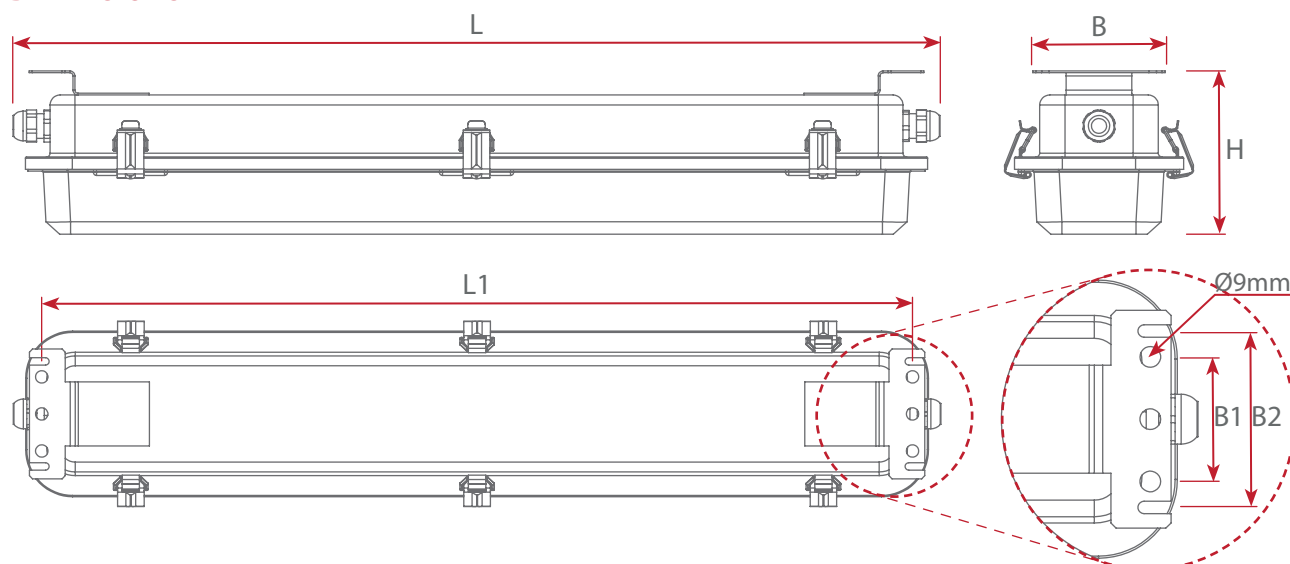
	ambient temperature	-40°C to +60°C <i>check: types comparsion</i>
	lifetime	>70.000h L <sub>80</sub> B <sub>10</sub>

## 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 COMPARSION

## VERSION HIGH OUTPUT (HO) +45°C

TYPE OD 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 possiblitty 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

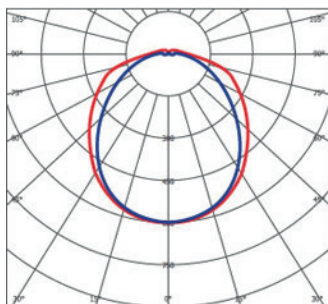


Central battery:

Version with a driver fot central battery.



## PHOTOMETRY



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](http://www.atmlighting.pl)

## CONFIGURATION

E X F 3 0 0 L E D -												- 3 5 E -				20 - NIRO -		PC -							
<b>group</b> explosionproof light fittings										0	6	0	0	F	1	30	10	M	25			A3			
<b>type</b> type 300										1	2	0	0	FX	2	33	11	P				ZB			
<b>source of light</b> LED modules														G	4	40	20*								
<b>approximate length</b> ~ 600mm, 1200mm														GX		44	21*								
<b>LED module type</b>																50	22*								
<b>LED module quantity</b>																55									
<b>power supply</b> 35E - 230V, 0/50÷60Hz																60									
<b>wiring</b>																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		←													
<b>cable inlets - quantity</b>																									
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															
21 - two cable inlets at one side and one at the another										→ 2 1		←													
22 - two cable inlets at both sides										→ 2 2		←													
<b>cable inlets - material</b>																									
M - metal																									
P - plastic																									
<b>cable inlets - size</b>																									
20 - Ø20																									
25 - Ø25																									
<b>housing material</b>																									
NIRO - powder coated stainless steel																									
<b>diffuser material</b>																									
PC - UV stabilised polycarbonate																									
<b>emergency versions</b>																									
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

