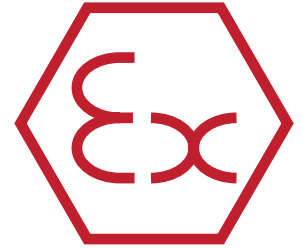
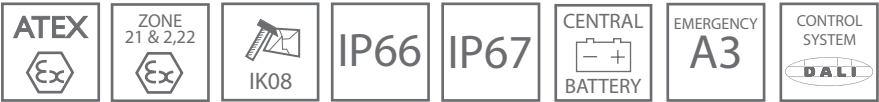
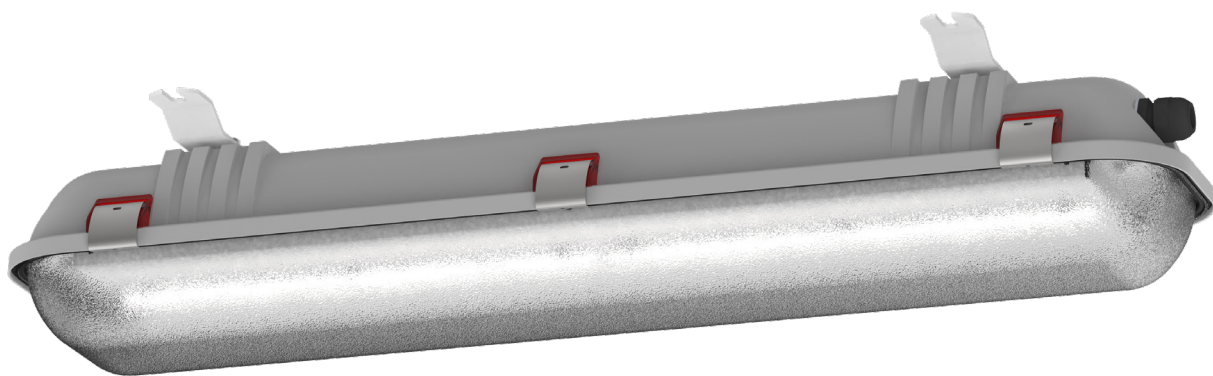


ZONE 21&2,22



EXL210LED






EXPLOSION-PROOF MARKINGS

CERTIFICATES:

STANDARD and ZB:  II 3G Ex ec op is IIC T5 Gc  
II 2D Ex tb op is IIIC T60°C Db

A3, ZBC, ZBD:  II 3G Ex ec IIC T5 Gc  
II 2D Ex tb IIIC T60°C Db

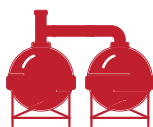
ZBT, ZBS, ZBR, ZBH, ZBM:  II 3G Ex ec IIC T5 Gc  
II 3D Ex tc IIIC T60°C Dc

KDB 15ATEX0049X  
OBAC ATEX 0205X  
CNBOP Nr 5300/2024  
HYGIENIC PZH ATEST

EXEMPLARY APPLICATIONS



REFINERIES



FUEL  
TANKS



CHEMICAL  
PLANTS



CHEMICAL  
WAREHOUSES



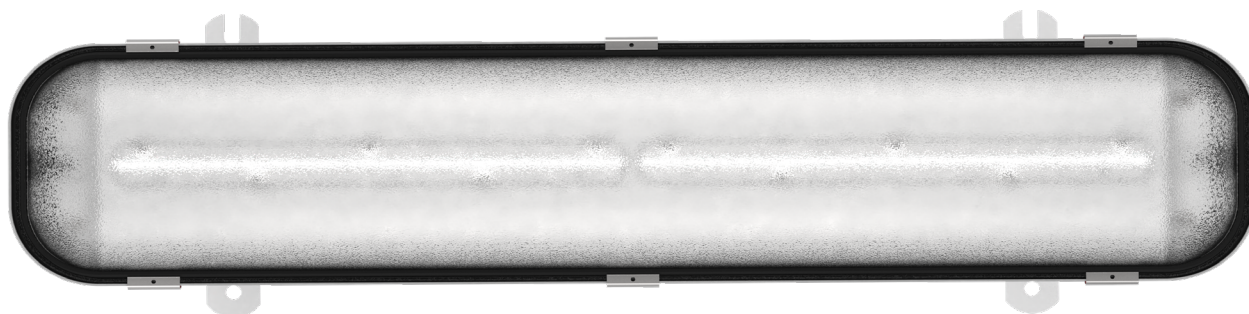
FUEL  
HANDLING  
STATIONS

Explosionproof light fitting with **LED modules** for suspended coffered ceilings or to be mounted on the ceiling surface. Designed to work in the zone **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.







Optional version with 3h power module (A3), DALI interface (DA) and central battery (ZB).

The luminaire is not intended for exposure to external weather conditions.

## FEATURES



## MECHANICAL PARAMETERS

	housing	fiber glass reinforced polyester (GRP)
	diffuser	UV stabilised polycarbonate
	ingress protection	IP66, IP67
	protection class	I
	impact resistance	IK08
	mounting	on the surface with bracket

## ELECTRICAL PARAMETERS

2,5 mm<sup>2</sup>

connection terminals



230V, 0/50-60Hz

input voltage



intrinsically safe LED modules

light source



&gt;0,97

power factor



Ø20

cable inlets




2 kV

overvoltage protection



## WORK PARAMETERS

	ambient temperature	-40°C to +45°C <i>check: types comparsion</i>
	lifetime	>70.000h L <sub>80</sub> B <sub>10</sub>

## PHOTOMETRICAL PARAMETERS

CRI

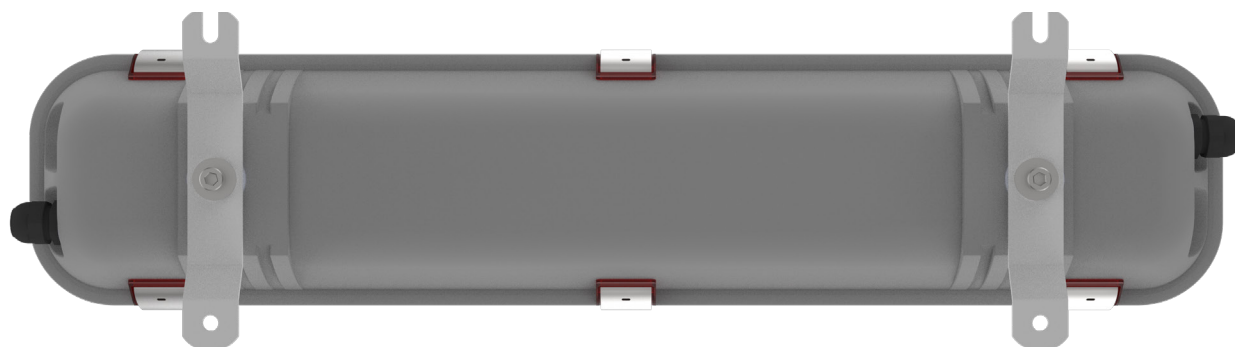


&gt;80

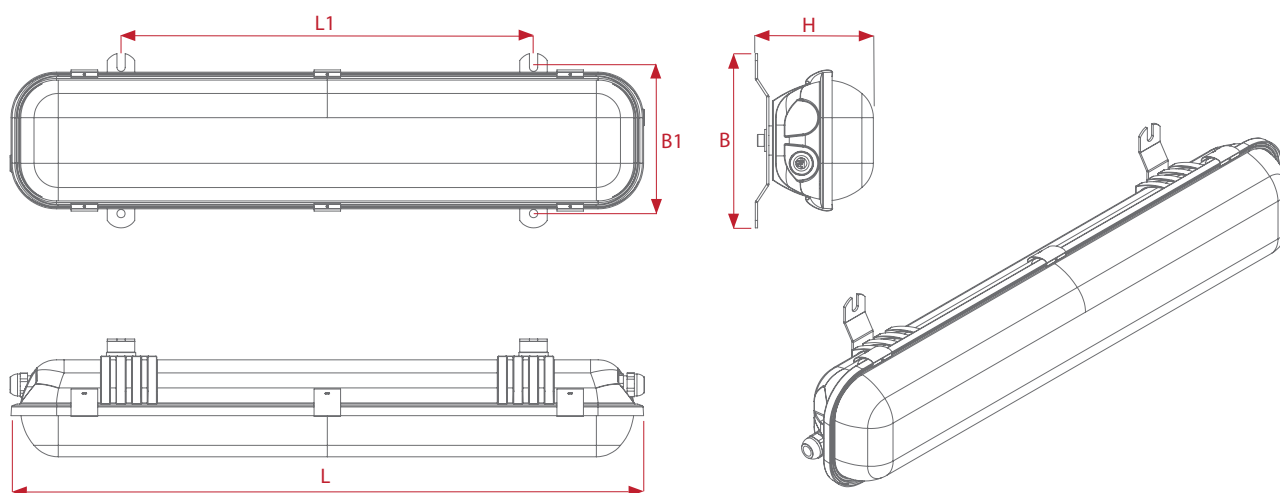
colour temperature



4000K



## DIMENSIONS



TYPE	L [mm]	L1 [mm]	B [mm]	B1 [mm]	H [mm]
EXL210LED-0600	700	450	190	160	129
EXL210LED-1200	1300	800	190	160	129
EXL210LED-1500	1600	1000	190	160	129

## TYPES COMPARSION

TYPE OF THE LIGHT FITTING	LUMINOUS FLUX [lm]	POWER CONSUMPTION [W]	EFFICIENCY [lm/W]	AMB. TEMP. [°C]
EXL210LED-0600-E2	2750	16,2	170	-40 ÷ +45
EXL210LED-0600-E4	5486	31,5	174	-40 ÷ +45
EXL210LED-1200-E4	6450	38	170	-40 ÷ +45
EXL210LED-1200-E8	10925	62,2	176	-40 ÷ +45
EXL210LED-1500-E6	8207	46,9	175	-40 ÷ +45



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)

## OPTIONAL VERSIONS



Emergency power module:

Version with 3h emergency power module.

The possibility of work above  $0^{\circ}\text{C}$ .

## MEAN EMERGENCY MODE LUMINOUS FLUX

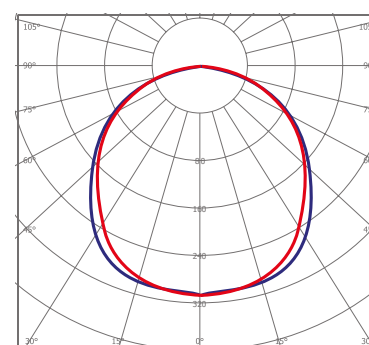
TYPE OF THE FITTING	VERSION A3 [lm]	VERSION ZB [lm]
EXL210LED-0600-E2	878	1375
EXL210LED-0600-E4	875	2735
EXL210LED-1200-E4	857	3225
EXL210LED-1200-E8	874	5470
EXL210LED-1500-E6	873	4103



Central battery:

Version with a driver for central battery.

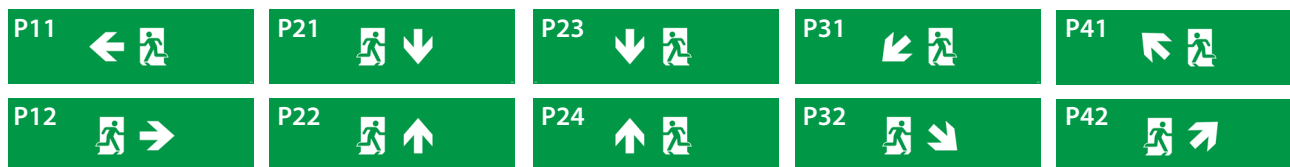
## PHOTOMETRY



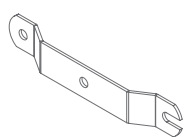
## ADDITIONAL PICTOGRAM



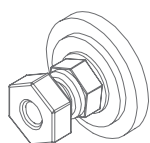
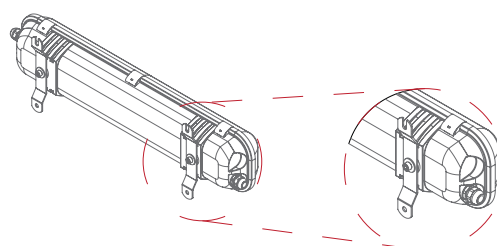
Self-adhesive pictograms can be added to the order optionally.



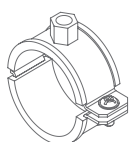
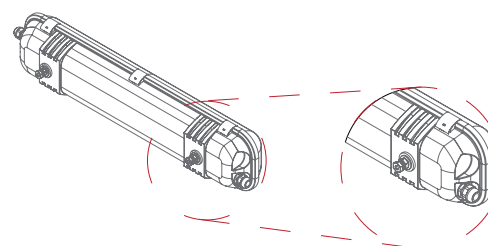
## MOUNTINGS

**AMO1**

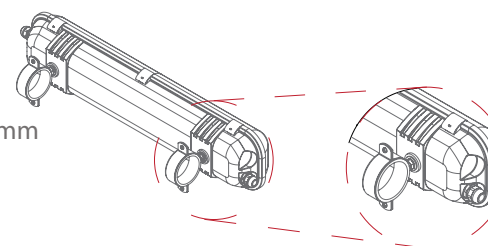
standard mounting bracket made of 1.5mm thick steel, mounting hole spacing 160mm

**BK**

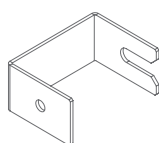
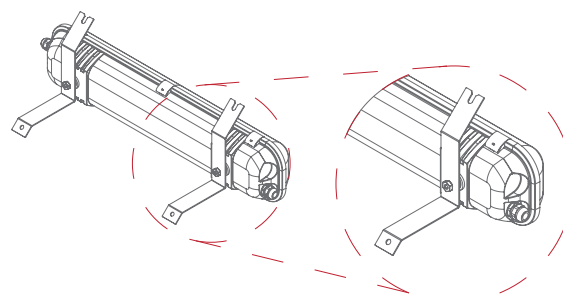
standard bolt kit made to install the light fitting on the thin surfaces or the cable trays

**AMO3**

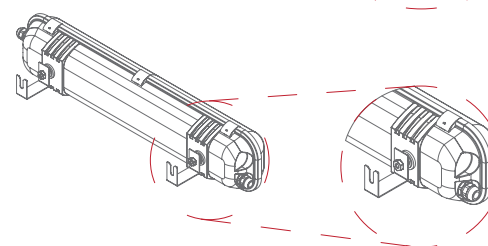
stainless steel hoop for pipe of diameter: 26-30mm, 31-36mm, 41-46mm, 47-52mm, 59-64mm  
*Please indicate size when ordering*

**AMO4**

bracket for installation at 45°

**AMO5**

68mm distance bracket



## CONFIGURATION

E X L 2 1 0 L E D -				- E -		3 4 E -		- 20 -		GRP -	PC -			
<b>group</b> explosionproof light fittings				0	6	0	0	2	5	30	10	M	25	A3
<b>type</b> type 210				1	2	0	0	4		33	11	P		ZB
<b>light source</b> LED modules				1	5	0	0	6		40	20			ZBT
<b>approximate length</b> ~ 600mm, 1200mm, 1500mm								8		44	21			ZBC
<b>LED module type</b>										50	22			ZBD
<b>LED module quantity</b>										55				ZBS
<b>power supply</b> 34E - 230V, 50÷60Hz 35E - 230V, 0/50÷60Hz										60				ZBR
<b>wiring</b> 30 - single 3-pole terminal → <input type="text" value="3"/> 33 - double 3-pole terminal → <input type="text" value="3"/> <input type="text" value="3"/> 40 - single 4-pole terminal → <input type="text" value="4"/> 44 - double 4-pole terminal → <input type="text" value="4"/> <input type="text" value="4"/> 50 - single 5-pole terminal → <input type="text" value="5"/> 55 - double 5-pole terminal → <input type="text" value="5"/> <input type="text" value="5"/> 60 - single 6-pole terminal → <input type="text" value="6"/> 66 - double 6-pole terminal → <input type="text" value="6"/> <input type="text" value="6"/> 70 - single 7-pole terminal → <input type="text" value="7"/> 77 - double 7-pole terminal → <input type="text" value="7"/> <input type="text" value="7"/> 80 - single 8-pole terminal → <input type="text" value="8"/> 88 - double 8-pole terminal → <input type="text" value="8"/> <input type="text" value="8"/>										66				ZBH
<b>cable inlets - quantity</b> 10 - one cable inlet on the side of the housing → <input type="text" value="1"/> <input type="text" value="0"/> 11 - one cable inlet on the both sides of the housing → <input type="text" value="1"/> <input type="text" value="1"/> 20 - two cable inlets on the one side of the housing → <input type="text" value="2"/> <input type="text" value="0"/> 21 - two cable inlets on the one side and one on the another → <input type="text" value="2"/> <input type="text" value="1"/> 22 - two cable inlets on the both sides of the housing → <input type="text" value="2"/> <input type="text" value="2"/>										70				ZBM
<b>cable inlets - material</b> M - metal P - plastic										77				DA
<b>cable inlets - size</b> 20 - Ø20 25 - Ø25										80				
<b>housing material</b> GRP - fiber glass reinforced polyester										88				
<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. ZB - version with driver for central battery - without switching module, required wiring 30 or 33. ZBT - version with driver for central battery - with switching module TM-AM, required wiring 60 or 66, 80 or 88 (for DALI). ZBC - version with driver for central battery - with switching module V-CG-S 4-400W, required wiring 30 or 33. ZBD - version with driver for central battery - with switching module V-CG-SE 4-400W, required wiring 50 or 55. ZBS - version with driver for central battery - with switching module MSU 35, required wiring 50 or 55. ZBR - version with driver for central battery - with switching module MU05, required wiring 60 or 66. ZBH - version with driver for central battery - with switching module MAPS-01, required wiring 80 or 88. ZBM - version with driver for central battery - with switching module LMP-1, required wiring 50 or 55. DA - version with DALI ballast, required wiring 50 or 55.														

## NOTE

This light fixture cannot work in places exposed to the external weather conditions.

## DOWNLOADS

LDT



CE