

EVAN

LED EXPLOSION PROOF LUMINAIRES

..... For harsh and hazardous area.....



LONG LIFE



HIGH LIGHT
EFFICIENCY



EASY TO INSTALL



ENERGY
EFFICIENCY



WATERPROOF



SECURITY



LED SOLUTIONS

..... For harsh and hazardous locations

New technologies are being established in the field of lighting - in particular, the use of LEDs is becoming much more common. It is very important to analyze and know the possible failure modes of LED sources in order to design reliable and safe lighting fixtures. This is particularly true in relation to the use of LED lighting equipment in potentially explosive atmospheres that require quite complex safety systems to avoid igniting dangerous gases, vapors and dust.

Even if LED technology is more expensive than traditional sources, from a technical point of view, there are advantages that can offset this high cost.

The most important are [1]:

- Low power consumption, that permits both electrical energy savings and the installation of small section cables and lower protection;
- High number of operating hours, that allow savings on the cost of maintenance and the hourly cost of a LED lamp.

...POWERFUL ATEX LED FLOODLIGHT...



EVAN ALE-100

LED Explosion Proof Lighting

Compact and highly powerful, this EVAN EX LED Floodlight has 3 type that will provide a strong range of light output , 15000 to 30000 lumen to your work area with a light coverage of 30m² at 10m using the latest LED technology.

Complete with an adjustable swivel head, you can direct the light to exactly where you need it. Operational in temperatures of -50°C to +55°C, you can successfully operate this light in many global locations.

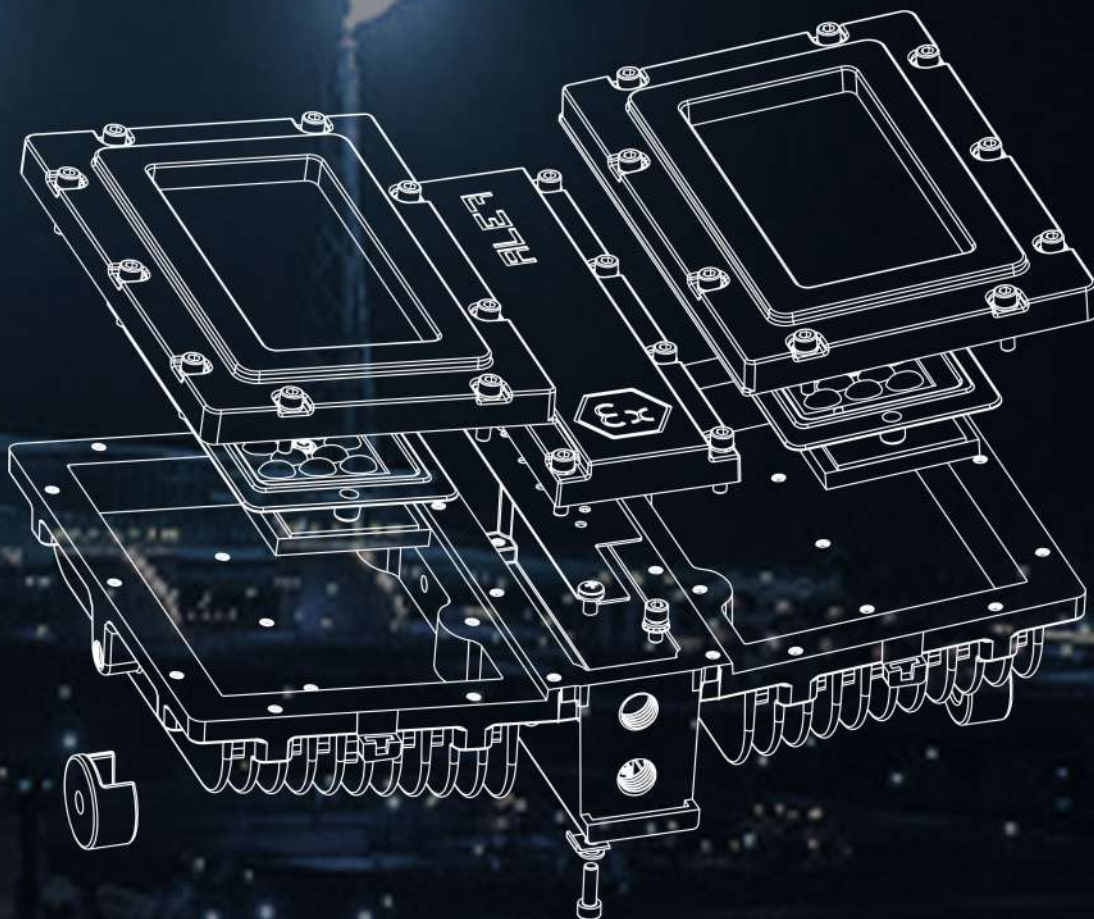
EX LED Floodlight is extremely maintenance friendly with built-in voltage drop protection and a 5-year warranty.

Our LED floodlights are perfect for use in many hazardous environments(zone1,zone2,zone21, zone22). They are both dustproof & waterproof so that any of the hazards that arise in the workplace do not affect the equipment in any way.

Find Out More:

<http://www.alectlighting.com>

Phone: +982165612755-6



ALE-**-EX

Zone 1, 2, 21, 22

- Saves in energy, maintenance and installation costs
- Instant, bright illumination
- Suitable for GAS category IIC
- Suitable for DUST category IIIC
- 5 years warranty



EVAN ALE-100

EX LED Floodlight

Mounting options

Floodlight. Pendant. Bulkhead. High Bay. Pole/Column. Road Lighting

APPLICATION SECTORS:



Oil
refinery



Chemical and
petrochemical
plants



Anti
light
pollution



Offshore
plants



Onshore
plants



Perimeter
lighting



Oil loading/
unloading
jetties

EVAN ALE-100 LED Floodlight

Ex marking:	Ex db op is IIC T4 Gb Ex tb op is IIIC T135°C Db
Ex component(s) specifications	The end-user shall use suitable certified Ex Cable Gland or Ex Blanking element with at least IP66/67 and Ex d protection.
Area Classification	Zone1, Zone21, Zone2, Zone22
Ambient temperature and temperature classes	Rated ambient temperature: -20°C to +60°C T4 - T135°C
Reference standard	EN 60079-0; EN 60079-1; EN 60079-28 ; EN 60079-31
Enclosure	LM2 Aluminium with epoxy powder finish(RAL 9006) and POLYCARBONATE DIFFUSER
Cement specification:	N1 MEGA seal (220N-BLACK-B)_ Service temp: -20°C to +300°C
Grease specification:	LITHIUM COMPLEX GREASE-EP2 _ Service temp: -20°C to +150°C
Glass specification:	6 mill Tempered glass
Elastomer/O-ring specification:	Not used
Plastic specification:	Not used
Ballast/ LED specification:	LED Model: C0730C6022R0 Ballast rating AC220/35W/50W60W/50HZ Manufacturer: TYF
Earthing specifications:	Internal & external: One M5 screw for cable shoe
Maximum free internal volume:	400 Cm ³
Maximum non-metallic layer thickness:	80 µm
Screw(s) maximum tightening torque:	12 Nm
Ratings:	12 Nm
Warning	DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT

Features

- ◆ **Instant on** crisp white light output
- ◆ **Highly Energy Efficient**
- ◆ **Modular design** allowing up to four interlinked luminaires
- ◆ **50,000 maintenance free hours at 25°C**
- ◆ **Lower power consumption** than HID lamps
- ◆ **Lightweight** (6kg per module) lighting solution

RATING

Dimension of the plate : 100 x 25 mm
Material : EN 1.4301 / AISI 304 Stainless Steel
Fixing method: Cement
Printing method: Chemical etching

SUPPLY VOLTAGE: 220V AC

ALEF LIGHTING
 Roshana Fanavari Alef(ALEF Lighting group) Model: *EVAN Led Flood Light and Street Lights* www.aleflighting.com

Ex db op is IIC T4 Gb
 Ex tb op is IIIC T130°C Db
 Ta: -20°C to +60°C

Date of production: 20xx
 Serial/ Batch No.:xxxx

IP66/67

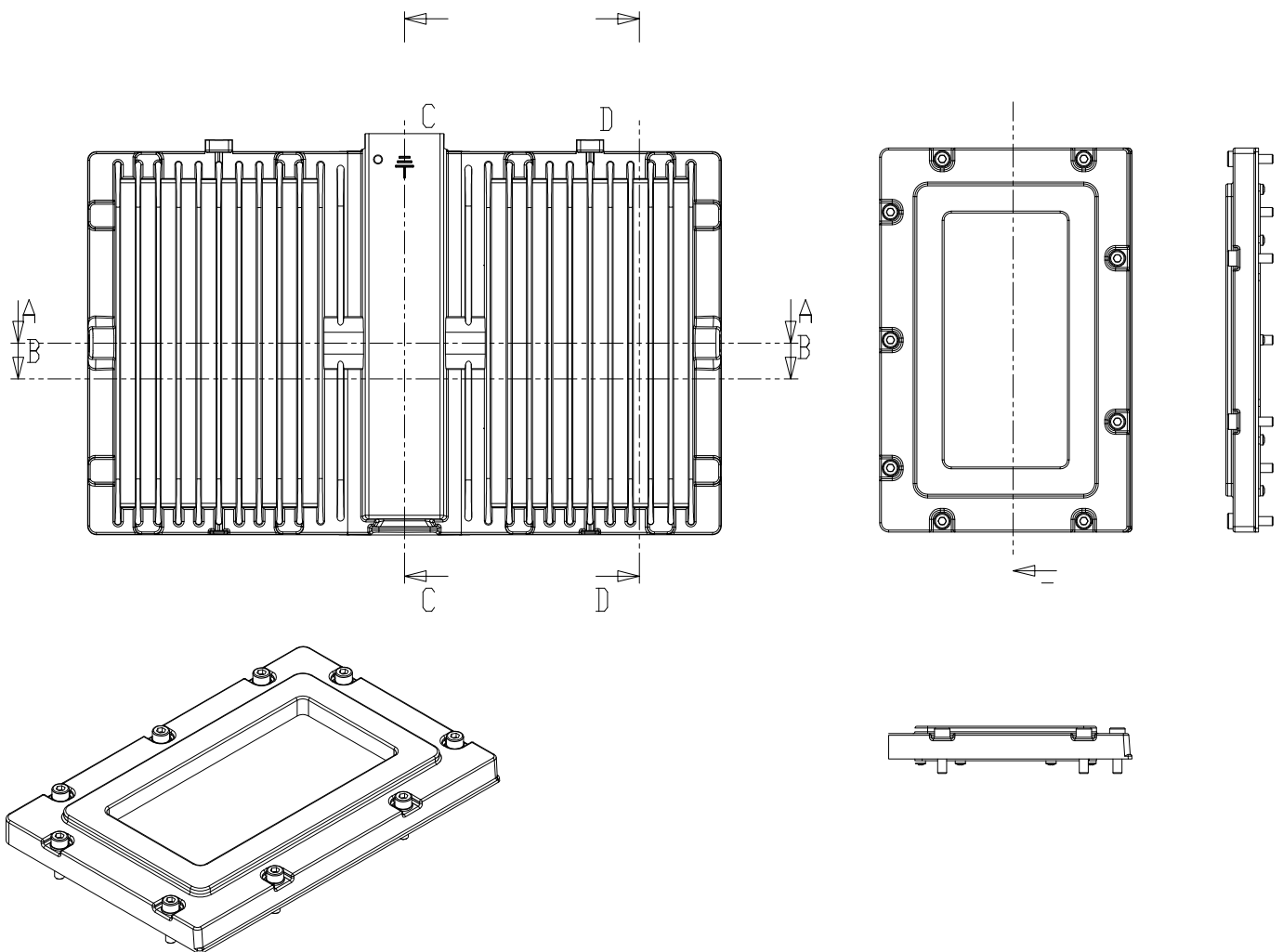
PART NUMBER	ALE75-EX	ALE100-EX	ALE125-EX	ALE150-EX	ALE200-EX	ALE250-EX	ALE300-EX	ALE400-EX
RATED CURRENT	0.40	0.5	0.60	0.80	1.00	1.20	1.50	1.80
POWER RATING	75 W	100 W	125 W	150 W	200 W	220 W	300 W	400 W

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WARNING- DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT

Typical ordering reference: **ALE100-EX**



Contact Details

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