

B&R Enclosures
AROWANA SERIES LED

brenclosures.com.au

Arowana Series LED

Zones 1 & 2, 21 & 22



features & benefits

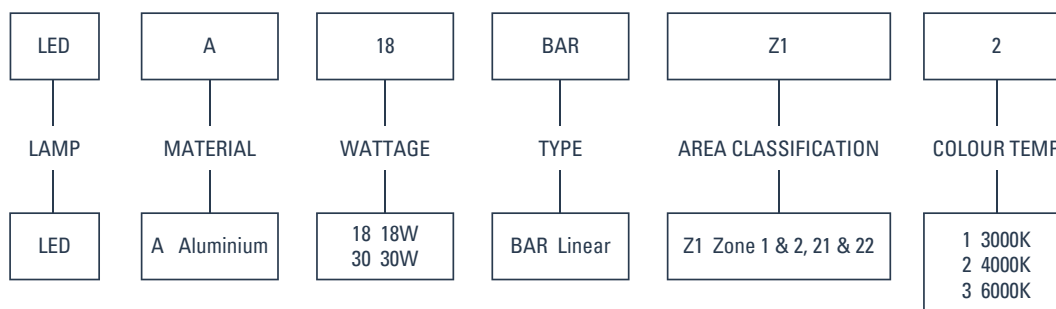
- More light, less power. Reduce the number of luminaires or add more light.
- Micro optics reduces direct visual contact with the light source.
- Shock and vibration resistant.
- High strength aluminium alloy enclosure.
- Suitable for salt water and corrosive environments.

applications

- Petrochemical, metallurgical, power generation and manufacturing industries.
- Oil refineries, offshore production, drilling platforms, fuel depots, chemical plants, including pesticides and fertilisers, paint manufacturing plants, spray booths, service stations, vehicle manufacturing, oxygen and acetylene production, airport hangars, above ground coal mining, sewerage treatment plants, pumping stations, distilleries.
- Grain silos, handling and storage facilities, flour mills, powdered milk production, food and manufacturing.

| PROTECTION RATINGS | CERTIFICATION | AMBIENT TEMPERATURE | RATED VOLTAGE | RANGE |
|---|--------------------|---------------------|----------------------|----------------|
| Ex d IIBT6 Gb Ex tb III CT80°C Db IP66 | IECEX CQM 12.0034X | -40°C ~ +55°C | AC 100-240V, 50/60Hz | AROWANA Series |

part number convention



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electrical parameters

| Product type | Rated input voltage (VAC) | Rated input current (A) | Voltage frequency (Hz) | Rated power (W) | PF | THD | Cable Entries |
|--------------|---------------------------|-------------------------|------------------------|-----------------|-------|------|---------------|
| LEDA18 | 100~240 | 0.18 ~ 0.075 | 50/60 | 18 | >0.98 | <10% | 2 x M25 |
| LEDA30 | 100~240 | 0.3 ~ 0.125 | 50/60 | 60 | >0.98 | <10% | 2 x M25 |

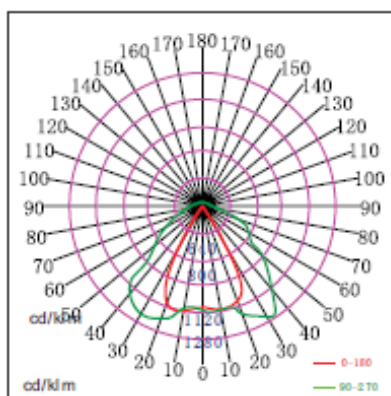
photometric parameters

| Product type | Part Number | CCT (K) | CRI | Luminous flux (lm) |
|--------------|--------------|---------|-----|--------------------|
| LEDA18 | LEDA18BARZ11 | 3000 | 82 | 1505 |
| | LEDA18BARZ12 | 4000 | 70 | 1880 |
| | LEDA18BARZ13 | 6000 | 70 | 1880 |
| LED30 | LEDA30BARZ11 | 3000 | 82 | 2510 |
| | LEDA30BARZ12 | 4000 | 70 | 3140 |
| | LEDA30BARZ13 | 6000 | 70 | 3140 |

other parameters

| Product type | Size (mm) | Weight (kg) | Ambient Temperature (°C) | Temp classification | IP code | Insulation |
|--------------|------------|-------------|--------------------------|---------------------|---------|------------|
| LEDA18 | 480x180x62 | 5.0 | -40°C ~ +55°C | T6 | IP66 | I |
| LEDA30 | | | -40°C ~ +55°C | T6 | | |

candela distribution

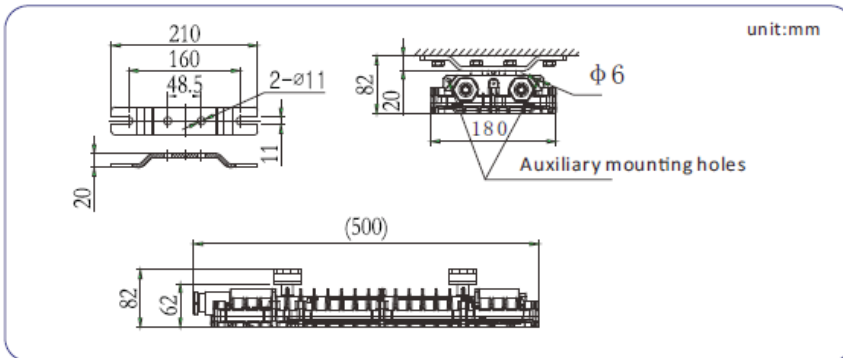


Arowana Series LED

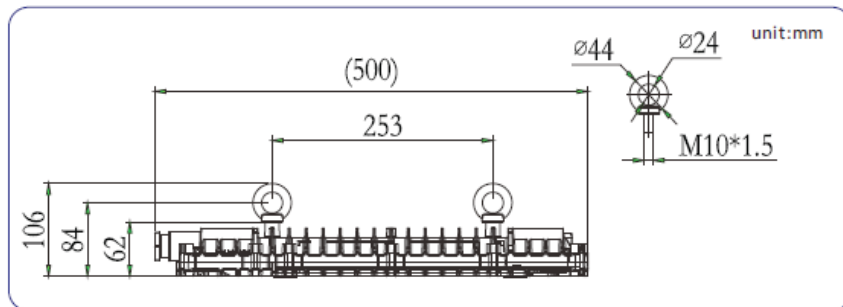
Zones 1 & 2, 21 & 22



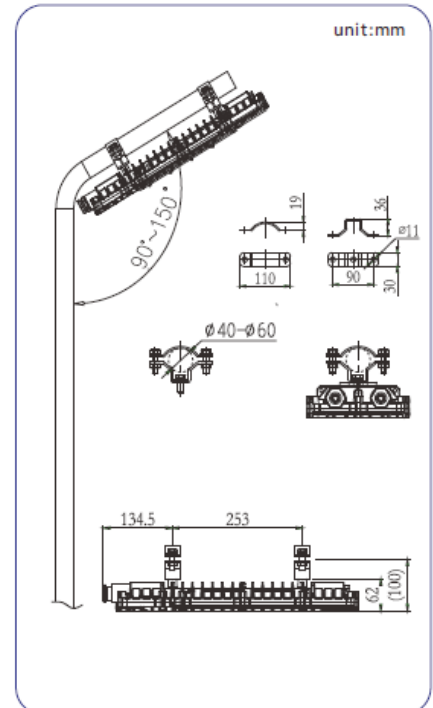
installation method



Ceiling mount



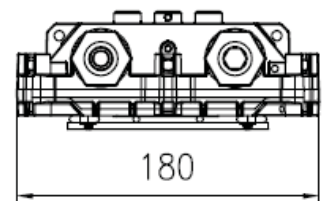
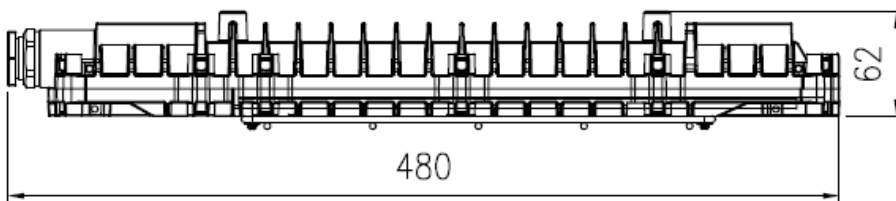
Pendant mount



Pipe mount

dimensional drawings

(unit: mm)



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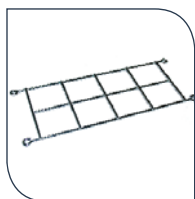
Zones 1 & 2, 21 & 22

optional parts

| Part Number | Description | Material | Weight (kg) | Qty Required |
|-------------|------------------------------|---------------------|-------------|--------------|
| ELABKCAGF | Ceiling mount bracket | Steel | 0.4 | 2 |
| ELAGUA | Guard | 304 stainless steel | 0.1 | 1 |
| ELALOEAE | Eyebolt for pendant mounting | Carbon steel | 0.1 | 2 |
| ELACMPAGF | Pipe clamp | Steel | 0.4 | 2 |



ELABKCAGR



ELAGUA

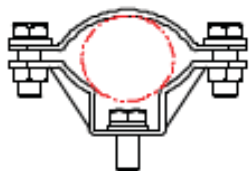


ELALOEAE

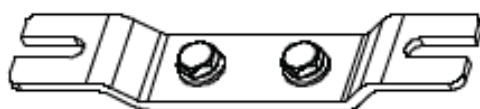


ELACMPAGF

accessories



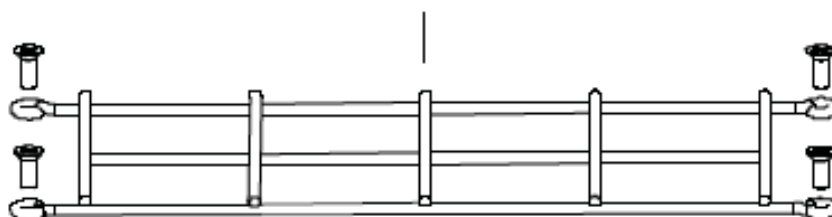
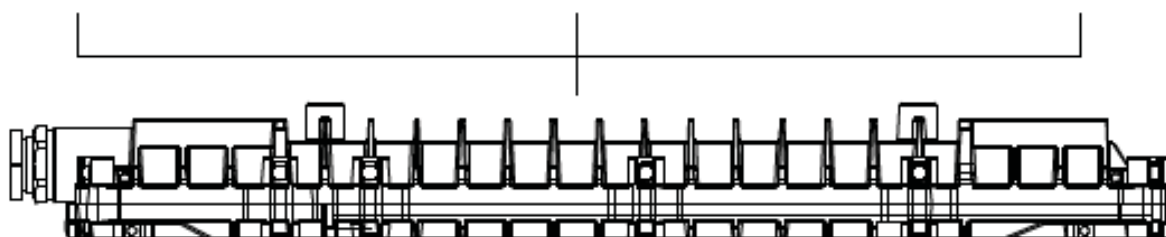
Pipe Clamp



Bracket



Loop



Guard

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