

# Midi LED Area Floodlight Ex eb mb / Ex ec mc tc



The brand new LED Area Floodlight range is a highly efficient luminaire that boasts a class leading light output from 5,000 to 12,500 Lumens (Subject to variant).

Certified for use in Zone 1, 21, 2, 22 this is a modern and versatile range of luminaires. The high quality corrosion resistant aluminium body gives excellent durability in any Zone 1 & 2 hazardous environment. The LED light engine provides a long service life which is virtually maintenance free. All products in the range are offered with a light engine warranty of up to 5 years. The whole range offers industry leading performance in terms of lumen per watt efficacy.

- ✓ Low maintenance LED light source
- ✓ Industry leading performance in terms of lumen per watt efficacy
- ✓ Rated to IK10 (subject to variant)
- ✓ High quality corrosion resistant aluminium alloy body
- ✓ Durable construction
- ✓ Long service life with light engine warranty of up to 5 years
- ✓ Virtually maintenance free
- ✓ Steel swivel mounting bracket (Stainless Steel option available on request)
- ✓ A simple and robust design ensuring that the product is easy to install and use
- ✓ Supplied with tempered glass lens as standard with optional chemical and abrasion resistant polycarbonate lens



## Specifications & Options

<b>Label Marking Z1 @ 55°C</b>	II 2 G Ex eb mb IIC T4 Gb II 2 D Ex tb IIIC T135°C Db	<b>Ambient range (max)</b>	-40°C to +55°C (T4) -40°C to +49°C (T5) Zone 2
<b>Label Marking Z2 @ 55°C</b>	II 3 G Ex ec mc IIC T4 Gc II 3 D Ex tc IIIC T135°C Dc	<b>Certificate No.s Z1</b>	CML 17ATEX3027X CML 21UKEX31015X IECEX CML 17.0018X
<b>Label Marking Z2 @ 49°C</b>	II 3 G Ex ec mc IIC T5 Gc II 3 D Ex tc IIIC T100°C Dc	<b>Certificate No.s Z2</b>	CML 17ATEX3036X CML 21UKEX31016X IECEX CML 17.0018X
<b>Zoned areas</b>	Zones 1, 21, 2, 22	<b>IP rating</b>	IP66 & IP67
		<b>IK rating</b>	IK8+ Glass Lens IK10 Polycarbonate Lens

<b>Material</b>	Corrosion resistant aluminium alloy with tempered glass lens. Abrasion and chemical resistant hard coated polycarbonate lens available as an option
<b>Cable entries</b>	2x M20
<b>Electrical connections</b>	4mm <sup>2</sup> cage clamp for single or multi-stranded conductors
<b>Light source</b>	High Efficiency, maintenance free, long life LED array
<b>Light output Z1</b>	Various ranging up to 10,500lm @86W
<b>Light output Z2</b>	Various ranging up to 12,500lm @86W
<b>Supply voltage (s)</b>	120V- 240V AC 50/60 Hz as standard
<b>Installation / Mounting</b>	Steel swivel mounting bracket
<b>Control gear</b>	Integral within the luminaire
<b>Dimensions</b>	300mm x 300mm x 270mm (As per diagram overleaf)
<b>Wattage</b>	86W (Lower wattages available)
<b>Weight</b>	8kg



## CIRCUIT BREAKER / INRUSH CURRENT GUIDE

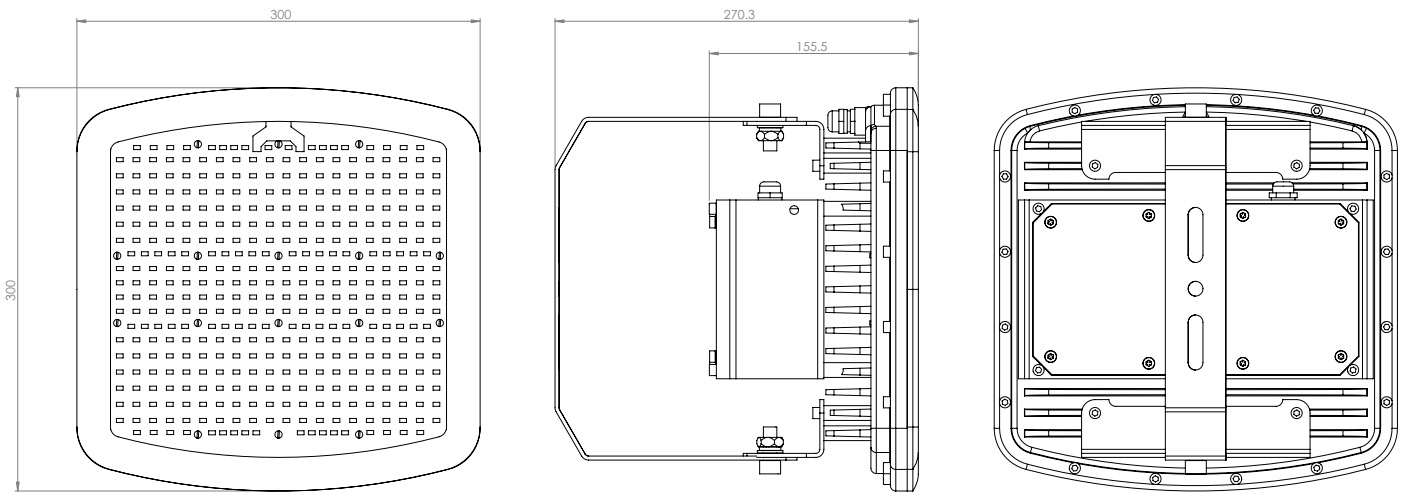
Model	No. of Luminaires per single pole Circuit Breaker				
	Type	10A	16A	20A	25A
ALED3/***/086	B	10	13	17	21
ALED3/***/086	C	17	22	27	31

Supply voltage @230 VAC, mains impedance =  $\Omega$   
 In case of multi-pole CB the maximum number is reduced by 20%.

The maximum number may differ depending on CB manufacturer.

Please consult the manufacturer specifications.

Circuit Breakers with C characteristics are recommended for LED lighting circuits.



## ORDERING INFORMATION

Part Number	Description	Light Output	Power consumption
ALED3/G/Z1/086	300mm Frame Zone 1 Glass Lens	10,500lm	86W
ALED3/P/Z1/086	300mm Frame Zone 1 Polycarbonate Lens	10,000lm	86W
ALED3/G/Z2/086	300mm Frame Zone 2 Glass Lens	12,500lm	86W
ALED3/P/Z2/086	300mm Frame Zone 2 Polycarbonate Lens	11,750lm	86W
ALED3/G/IND/086	300mm Frame Industrial Glass Lens	12,500lm	86W
ALED3/P/IND/086	300mm Frame Industrial Polycarbonate Lens	11,750lm	86W

For safer hazardous areas call us today on

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