



The GEN 3 ALED is the latest development of our highly efficient, lightweight Area Floodlight luminaire boasting class leading light outputs and efficacy.

Certified for use in Zones 1, 21, & 2, 22 this is a modern and versatile luminaire. The high-quality, corrosion resistant, marine grade aluminium body gives excellent durability even in harsh marine applications. The GEN 3 LED light engine provides worry-free, long service life with no maintenance burden. All products in the range are offered with a 5-year warranty. The MINI is now available in a 25W or 35W package without compromising light output.

- ✓ Zero maintenance LED light source
- ✓ Industry leading performance in terms of lumen per watt efficacy
- ✓ Rated to IK10 (polycarbonate lens)
- ✓ High quality corrosion resistant aluminium body
- ✓ Durable construction
- ✓ Long service life with 5-year warranty
- ✓ Virtually maintenance free
- ✓ Stainless Steel swivel mounting bracket and hardware
- ✓ Lightweight and easy to install and use
- ✓ Toughened and tempered glass lens option
- ✓ Chemical and abrasion resistant polycarbonate lens option



Specifications & Options

Label Marking Zone 1/21	II 2G Ex eb mb IIC T4 Gb II 2D Ex tb IIIC T135°C Db	Certificates Zone 1/21	CML 17ATEX3027X CML 21UKEX31015X IECEx CML 17.0018X
Label Marking Zone 2/22	II 3G Ex ec mc IIC T6 Gc II 3D Ex tc IIIC T85°C Dc	Certificates Zone 2/22	CML 17ATEX3036X CML 21UKEX31016X IECEx CML 17.0018X
Zoned Area	Zone 1,21, & 2,22	IP Rating	IP66 & IP67
Ambient Temp Range	-40°C to +55°C (Glass Lens) -25°C to +55°C (PC Lens)	IK Rating	IK8+ Glass Lens IK10 Polycarbonate Lens
Material	Marine grade aluminium with tempered glass lens or polycarbonate lens option (Stainless hardware)		
Cable Entries / Connection	2 x M20 as standard (M25 option available on order), up to 4mm ² single or multistranded conductor		
Light Source	High efficacy, long-life, maintenance free, bespoke array with premium LEDs		
CCT (°K)	4000K Zone 2/22 / 4750K Zone 1/21		
CRI	80+ (Zone 1/21 may reach 90, however 85+ is reported)		
Luminaire Output (lm) 25W Luminaire Output (lm) 35W	Up to 3,500 (Z2/22 Glass) Up to 5,000 (Z2/22 Glass) See part code chart for all options		
SDCM Colour Consistency	3-step MacAdam ellipse		
L70/B50 Lifetime	>140,000 hours (>15 years continuous use)		
Input Voltage / Frequency	110-230VAC (+/-10%), 50-60Hz		
Inrush Current	Cold start 45A (twidh=310µs (25W) 490µs (35W), measured at 50% Ipeak) at 230VAC		
Installation / Mounting	SS316 Swivel stirrup bracket (No limitations to mounting orientation. Indoor and outdoor suitable)		
Control Gear / Driver	Petrel encapsulated Ex mb/mc integral driver with over temperature protection (518k hrs MTBF)		
Total Circuit Power	25 watt or 35 watt options		
Weight (kg)	6		

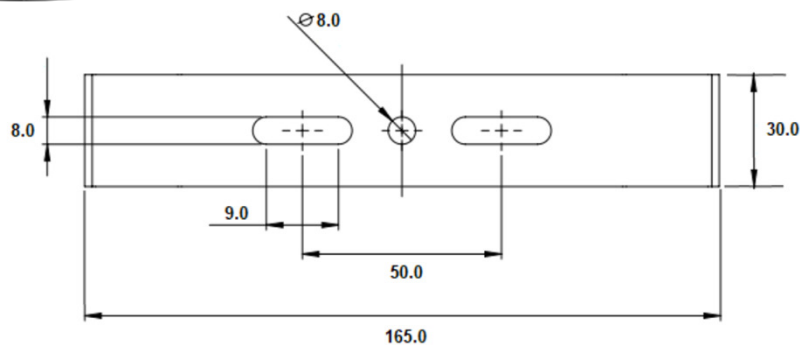
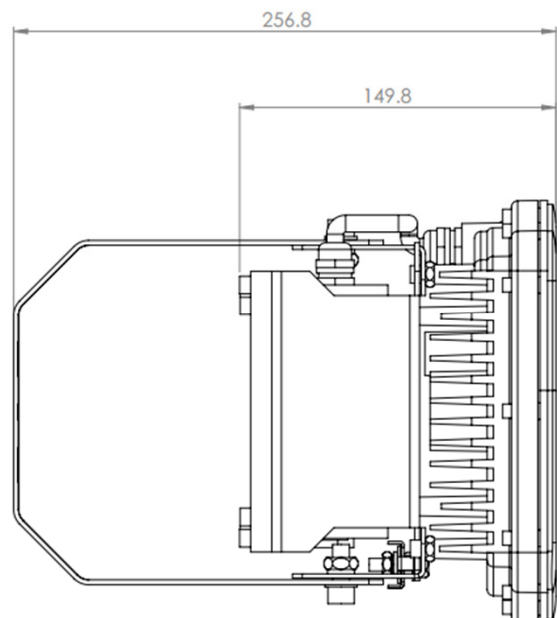
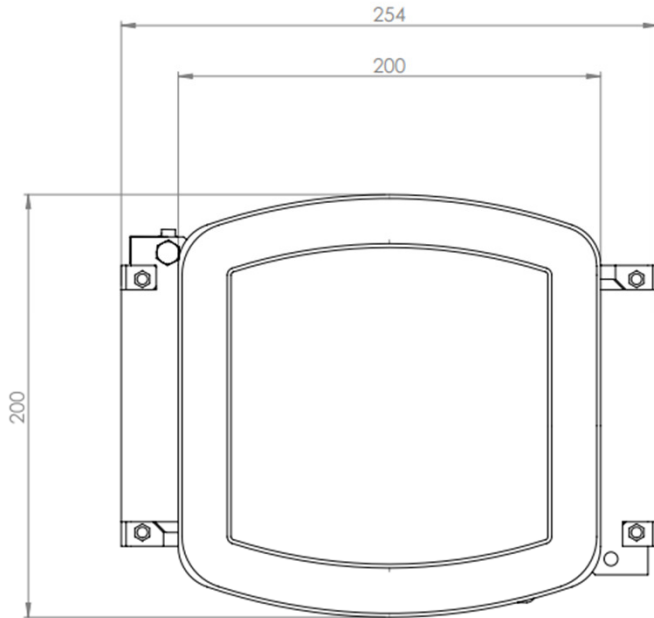
Circuit Breaker Selection / Loading Guide



Number of luminaires per single pole circuit Breaker				
Type	10A	16A	20A	25A
B	6	9	11	14
C	9	15	18	23

Guide based on 230 VAC supply. Mains impedance and circuit conditions will affect actual results. For multi-pole CBs, the maximum number is reduced by 20%.
Follow good practice for breaker loading for continuous use (<80%). The maximum number may differ between CB manufacturers. Please consult with the manufacturer.
CBs with a C rating are recommended for LED lighting.

Dimensions



Mounting bracket holes

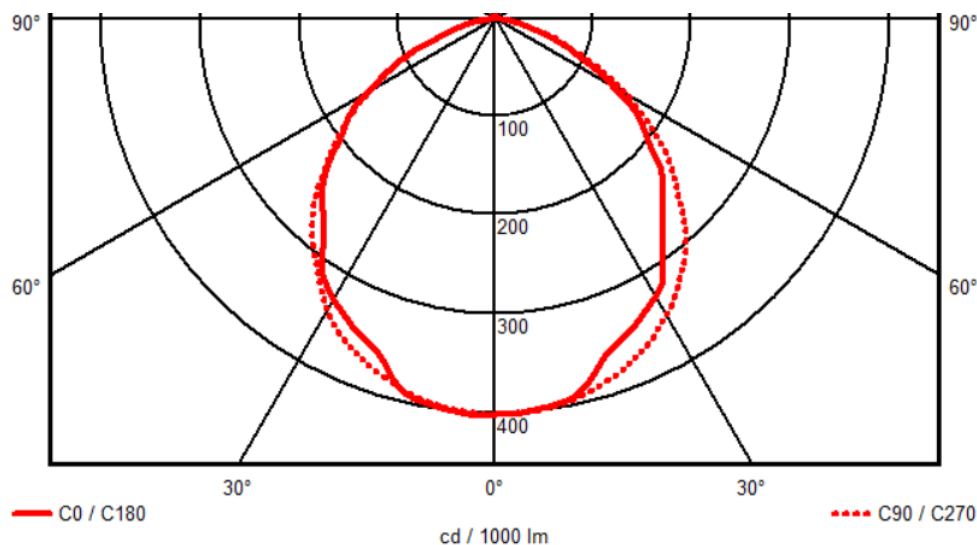
Ordering Information

Part Number	Zone 1/21	Zone 2/22	Front Lens	Power (W)	Light Output (lm)	Efficacy (lm/W)	CCT (°K)	CRI
ALED2/G/3Z1/035	✓		Glass	35	4,100	117	4750	85+
ALED2/P/3Z1/035	✓		Polycarbonate	35	3,900	111	4750	85+
ALED2/G/3Z1/025	✓		Glass	25	2,900	116	4750	85+
ALED2/P/3Z1/025	✓		Polycarbonate	25	2,800	112	4750	85+
ALED2/G/3Z2/035		✓	Glass	35	5,000	143	4000	80+
ALED2/P/3Z2/035		✓	Polycarbonate	35	4,600	131	4000	80+
ALED2/G/3Z2/025		✓	Glass	25	3,500	140	4000	80+
ALED2/P/3Z2/025		✓	Polycarbonate	25	3,300	132	4000	80+

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Optical Information Guide – 35W Glass Zone 2

Polar plot

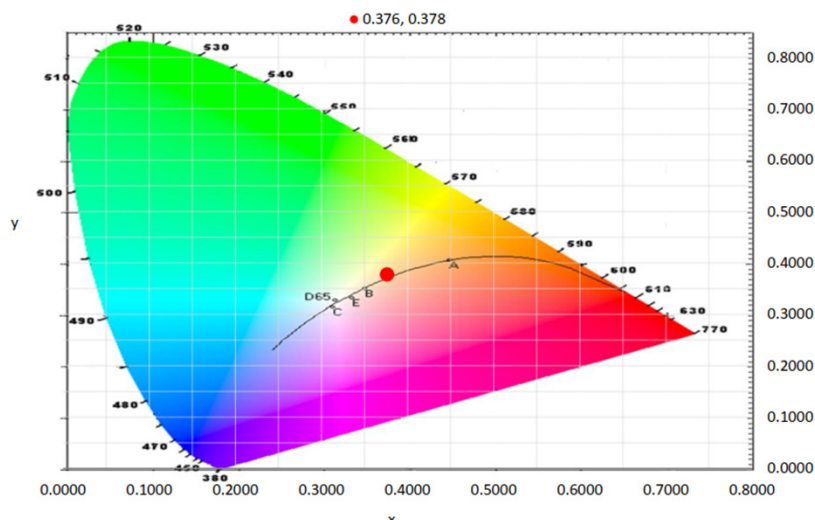
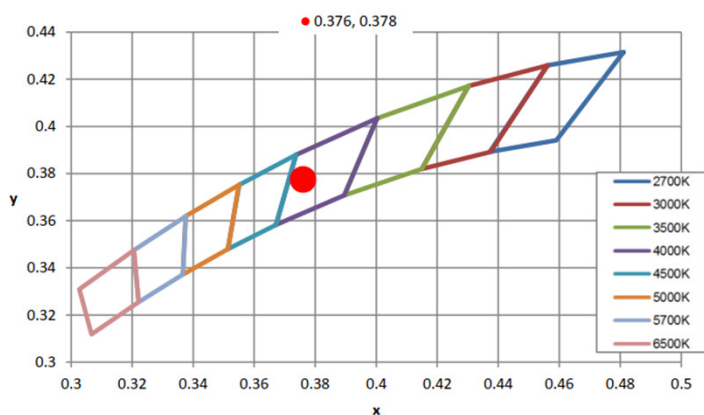


Beam Angle & Intensities

Beam Angle	Horizontal	104°
	Vertical	107°
On-axis Intensity		1917 cd
Peak Intensity		1923 cd
Peak Direction	Horizontal	75°
	Vertical	0°

Mounting Height (m)	Beam Width (m)		Projected Illuminance (lux)
	C0-C180 plane	C90-270 plane	
0.5	1.3	1.3	7669
1	2.6	2.7	1917
2	5.1	5.4	479
3	7.7	8.1	213
4	10.3	10.8	120
5	12.9	13.5	77
7.5	19.3	20.2	34
10	25.7	26.9	19
20	51.4	53.8	5

Colorimetric Details: 4000°K, 80 CRI minimum



Colour Rendering Index Detail

R1	80	R8	64
R2	87	R9	3
R3	93	R10	69
R4	81	R11	79
R5	79	R12	54
R6	82	R13	81
R7	86	R14	96



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