



Alu Extreme CL2242

Waterproof Luminaire



GENERAL INFORMATION

Operating Temperature	-20 °C / +50 °C -40 °C / +70 °C (optional) -5 °C / +50 °C (optional) (with emergency kit) -5 °C / +70 °C (optional) (with emergency kit)
Storage Temperature	-40 °C / +80 °C
Main Reference	EN 60598-1, EN 60598-2-1, EN 62471, EN 60068-2-11, EN60068-2-52, ISO9227, ASTMB117, ASTM D3359-78, ISO 4628-2, ISO 4628-4, EN 60529, EN 62262, ANSI C136.10-2017, ANSI C136.2-2018, EN 62031, IEC 62384, ASTM D3359, EN ISO 2409, IES LM 80-15, IES LM 82-12, IES LM 84,14, IES LM 85-14, IES TM 21-11, CE, ISO9001, ISO14001, ISO18001, ISO5001, ISO45001, ISO39001, EAC, TURKAK
Company Standards	

ELECTRICAL INFORMATION

Electrical Class	Class I, Class II (optional)
Nominal Voltage	220-240V 50 / 60 Hz EU 110-277V 50 / 60 Hz (optional) NORTH AMERICA
Led Current	250 mA, 300 mA, 350 mA, 500 mA, 600 mA
Power Factor	≥0.9 (at full load)
Driver	Constant current, thermal protected, voltage regulated, harmonic filter protection
Surge Protection options (kV)	1 Kv (standard) 10 kV (optional) with LED signal and thermo fuse to disconnect load at the end of life
Emergency Kit (optional)	1 hour battery 3 hours battery
Control system	on-off (standard), Bluetooth, DALI, 1-10V DIM, stand alone automation
Sensor	PIR (optional), Photocell (optional)
Mains connection	For cable max section 2,5 mm2 Outgoing cable H05RN-F 2/3/5 x 1,5 mm2 Length on request.(optional)
Electromagnetic compatibility (EMC)	IEC 61000, EN 55015, IEC 61000-3-2, IEC 61000-4-5, IEC 61547, IEC 61000-3-3, IEC 61000-4-2, IEC 61000-2-2, IEC 61000-4-11, IEC 61643-11

HOUSING AND MATERIALS

Housing	Aluminium extrusion
Gasket	Silicon or polyurethane without junction points.
Refractor	Polycarbonate (PC)
Reflector	Powder painted sheet steel
Cable Gland	IP65, Plastic PG7, IP66 (optional), IP67 (optional)
Tightness Level	IP65
Impact Housing Resistance	IK08 (5 J)
Impact Glass Resistance	IK08 (5 J)
Vibration Test	Compliant with modified IEC 68-2-6 (0.5G), ANSI C136.31 (3G-5G)

OPTICAL INFORMATION

Led colour temperature	3000K (warm white) 4000K (neutral white) (standard) 5000K (cool white) 6500K (cool white)
Colour rendering index (CRI)	CRI ≥80 CRI ≥90 (optional)
Upward light output ratio	0%
Photobiological safety class	IEC 62471, EN 62778 EXEMPT GROUP
Testing standard	LM 79-19, EN 13032-1 (all measurements in ISO17025 accredited laboratory)
Lifetime of the LED's	Tq= 25 °, 700 Ma ≥ 100.000h -L70 Tq= 55 °, 700 Ma ≥ 100.000h -L70



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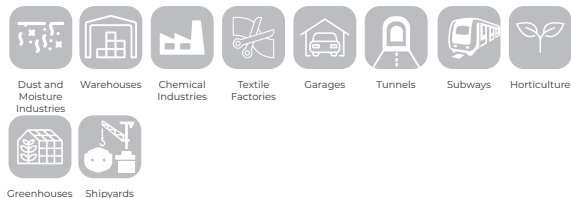
Waterproof Luminaire



Power	Luminaire Output Flux (lm)		W (mm)	L (mm)	h (mm)	Item / Box	Average Weight (kg)	Order Code	System Lumen / W (lm)	
	max.	min.							max.	min.
20W	2400	1800	77	560	70	1	4.00	L2242-LED06020NW-ECG	120	90
30W	3600	2700	77	560	70	1	4.00	L2242-LED06030NW-ECG	120	90
36W	4320	3240	77	560	70	1	4.00	L2242-LED06036NW-ECG	120	90
30W	3600	2700	77	1000	70	1	4.00	L2242-LED12030NW-ECG	120	90
36W	4320	3240	77	1000	70	1	4.00	L2242-LED12036NW-ECG	120	90
40W	5040	3780	77	1000	70	1	4.00	L2242-LED12040NW-ECG	120	90

Depending on the luminaire configuration. For more details, please contact us.
Tolerance on LED flux is +/-7% and on total luminaire power +/- 5%.

Main Applications



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