



Opto CL511

Recessed Circular Downlight



GENERAL INFORMATION

Operating Temperature	-20 °C / +50°C
Storage Temperature	-40°C / +80°C
Ceiling Options	T2. Recessed ceiling installation tools T5. Surface Mounted Tool (optional)
Main Reference Company Standards	EN 60598-1, EN 60598-2-2, 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, ISO9001, ISO14001, ISO18001, ISO5001, TURKAK, ISO45001, ISO39001, EAC

HOUSING AND MATERIALS

Housing	Non corrosive high pressure die-cast aluminium
Refractor	PMMA
Tightness Level	IP40
Standard Colour	RAL9016

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 Lamp Power	15W, 24W, 30W
Power Factor	≥0.9 (at full load)
Driver	Constant current Thermal protected Voltage regulated Harmonic filter protection
Surge Protection Options (kV)	1 Kv (standard)
Emergency Kit (optional)	1 hour battery 3 hours batteries
Control System	On-off (standard) Bluetooth DALI 1-10V DIM Stand alone automation
Mains Connection	For cable max section 2,5 mm ² Outgoing cable H05RN-F 2/3/5 x 1,5 mm ² . 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

OPTICAL INFORMATION

Led Colour Temperature	3000K (warm white) 4000K (neutral white) (standard) 5000K (cool white) 6000K (cool white)
Colour Rendering Index (CRI)	CRI ≥80 CRI ≥90 (optional)
Upward Light Output Ratio (ULOR)	0%
Testing Standard	LM 79-19, EN 13032-1 (all measurements in ISO17025 accredited laboratory)
Lifetime of the LED's	Tq= 25 °, 700 Ma ≥ 50.000h -L70 Tq= 55 °, 700 Ma ≥ 50.000h -L70



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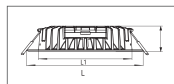
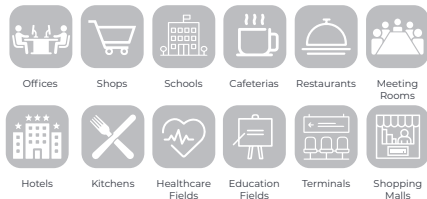
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Led Power	Lumen	Size (mm)	h (mm)	Item / Box	Average Weight (kg)	Order Code
SMD / 15W	1050	223	41	1	0.62	LS11-LED015-ECG
SMD / 24W	1680	223	41	1	0.62	LS11-LED024-ECG
SMD / 30W	2100	223	41	1	0.62	LS11-LED030-ECG

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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