

Outdoor LED modules

Product description

- Long life-time
- Compliance and approval: CE
- Re-workable push-in terminals enabling easy connection
- Small colour tolerance (MacAdam3)
- Tolerance range for optical and electrical data $\pm 10\%$
- Min. driving current 80mA
- Available CCT from 2700K to 6500K and CRI 80, 90 and 95
- Compatible with standard 2x2 lenses (e.g. LEDiL Strada 2X2-5050)



RecLED 122x50mm 2x4 5050

Product name	Ordering code	Colour temp. [K]	If nominal [mA]	Luminous flux @ If nom & Tp Φ [lm]	Power @ If nom & Tp P [W]	Voltage @ If nom & Tp Vf [V]	Efficiency @ If nom & Tp [lm/W]	Max. current If [mA]
RecLED 122x50mm 1900lm 730 2x4 5050 Opt G1	1010 117 56646	3000	480	1820	10	22	174	1600
RecLED 122x50mm 1900lm 740 2x4 5050 Opt G1	1010 117 56746	4000	480	1911	10	22	183	1600

RecLED 173x50mm 2x6 5050

Product name	Ordering code	Colour temp. [K]	If nominal [mA]	Luminous flux @ If nom & Tp Φ [lm]	Power @ If nom & Tp P [W]	Voltage @ If nom & Tp Vf [V]	Efficiency @ If nom & Tp [lm/W]	Max. current If [mA]
RecLED 173x50mm 2900lm 730 2x6 5050 Opt G1	1010 117 56846	3000	480	2730	16	33	174	1600
RecLED 173x50mm 2900lm 740 2x6 5050 Opt G1	1010 117 56946	4000	480	2867	16	33	183	1600

RecLED 224x50mm 2x8 5050

Product name	Ordering code	Colour temp. [K]	If nominal [mA]	Luminous flux @ If nom & Tp Φ [lm]	Power @ If nom & Tp P [W]	Voltage @ If nom & Tp Vf [V]	Efficiency @ If nom & Tp [lm/W]	Max. current If [mA]
RecLED 224x50mm 3800lm 730 2x8 5050 Opt G1	1010 117 57046	3000	480	3641	21	44	174	1600
RecLED 224x50mm 3800lm 740 2x8 5050 Opt G1	1010 117 57146	4000	480	3823	21	44	183	1600

RecLED 274x50mm 2x10 5050

Product name	Ordering code	Colour temp. [K]	If nominal [mA]	Luminous flux @ If nom & Tp Φ [lm]	Power @ If nom & Tp P [W]	Voltage @ If nom & Tp Vf [V]	Efficiency @ If nom & Tp [lm/W]	Max. current If [mA]
RecLED 274x50mm 4800lm 730 2x10 5050 Opt G2	1010 117 75946	3000	460	4589	25	54	184	1600
RecLED 274x50mm 4800lm 740 2x10 5050 Opt G2	1010 117 56046	4000	460	4589	25	54	184	1600

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Temperatures

Specification item

Tp	75°C	Temperature related to the performance parameters of the LED modules
Tp rated	75°C	Maximum operating temperature to which the rated performance characteristics are declared
Tc	95°C	Highest permissible value for safe operation

Electrical & Optical data

Specification item	Unit	Value
Classification acc. to IEC 62031	[V]	built-in
Energy Efficiency Class		A++
Working Voltage	[Vdc]	420
Beam angle	[deg]	120
Initial color consistency	[step]	3
Initial color coordinates		Acc. to CIE 1931
Photobiological safety		RG2 (RG1 @ >0,5m distance)

Certificates & standards

Specification item	Compliant
ENEC	No
CE	Yes
RoHS	Yes
REACH	Yes
Zhaga	Yes
IP rating	No IP rating
Overheating protection	No

Lumen maintenance

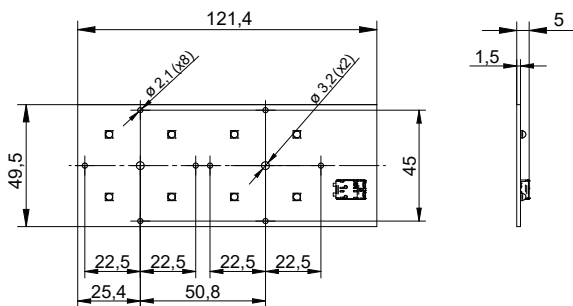
Lumen maintenance simulation based on LM80 LED data

Forward current	Tp temperature	L 70		L80		L90	
		B50	B10	B50	B10	B50	B10
If nom	75°C	>100,000	>100,000	>100,000	>100,000	>100,000	>100,000
	80°C	>100,000	>100,000	>100,000	>100,000	>100,000	>100,000
	85°C	>100,000	>100,000	>100,000	>100,000	>100,000	>100,000
	90°C	>100,000	>100,000	>100,000	>100,000	>100,000	>100,000
	95°C	>100,000	>100,000	>100,000	>100,000	>100,000	>100,000
If max	75°C	>100,000	>100,000	>100,000	>100,000	>100,000	>100,000
	80°C	>100,000	>100,000	>100,000	>100,000	>100,000	>100,000
	85°C	>100,000	>100,000	>100,000	>100,000	82,000	77,000
	90°C	>100,000	>100,000	>100,000	>100,000	58,000	54,000
	95°C	>100,000	>100,000	>100,000	>100,000	41,000	38,000

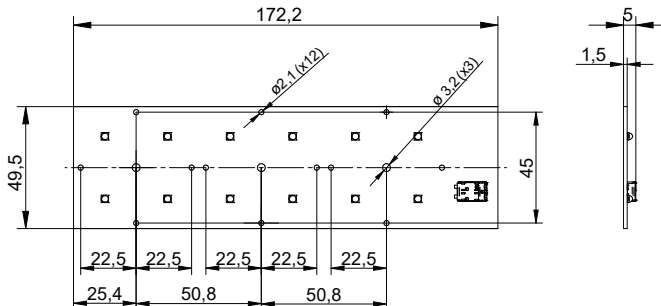
Outdoor LED modules

Dimensions

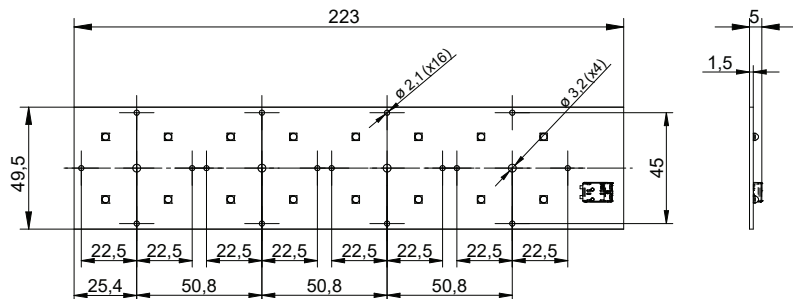
RecLED 122x50mm 2x4



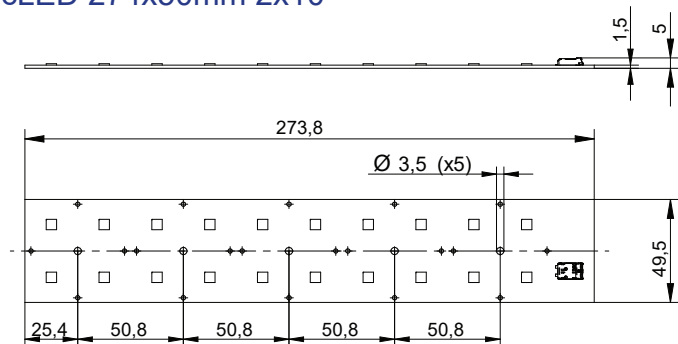
RecLED 173x50mm 2x6



RecLED 224x50mm 2x8



RecLED 274x50mm 2x10



Outdoor LED modules

Mounting

LED Modules cannot be exposed to tensile or compressive stresses.

For this purpose it is necessary that the modules are assembled to a flat surface by only rounded head screws.

Additionally plastic flat washer should be used to ensure creepeage distance between screw's head and surface of the pcb.

Max. torque for fixing: 0,5Nm

Connections

