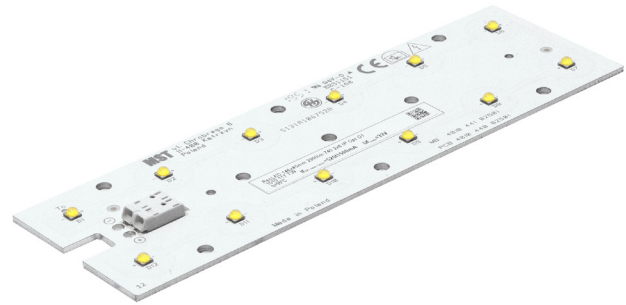


Outdoor LED modules

Product description

- Long life-time
- Compliance and approval: CE
- Re-workable push-in terminals enabling easy connection
- Small colour tolerance (MacAdam5)
- Tolerance range for optical and electrical data $\pm 10\%$
- Min. driving current 200mA
- Available CCT from 2200K to 6500K and CRI 80, 90
- Compatible with standard IP 2x6 lenses (e.g. LEDiL Strada IP-2X6)



RecLED 146x45mm 2x6 IP

Product name	Ordering code	Colour temp. [K]	If nominal [mA]	Luminous flux @ If nom & Tp Φ [lm]	Voltage @ If nom & Tp Vf [V]	Power @ If nom & Tp P [W]	Efficiency @ If nom & Tp [lm/W]	Max. current If [mA]
RecLED 146x45mm 2900lm 730 2x6 IP Opt G2	1010 117 74146	3000	520	2782	33	17	163	1500
RecLED 146x45mm 2900lm 740 2x6 IP Opt G2	1010 117 74246	4000	520	2958	33	17	173	1500
RecLED 146x45mm 2900lm 765 2x6 IP Opt G2	1010 117 74346	6500	520	2958	33	17	173	1500

Outdoor LED modules

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

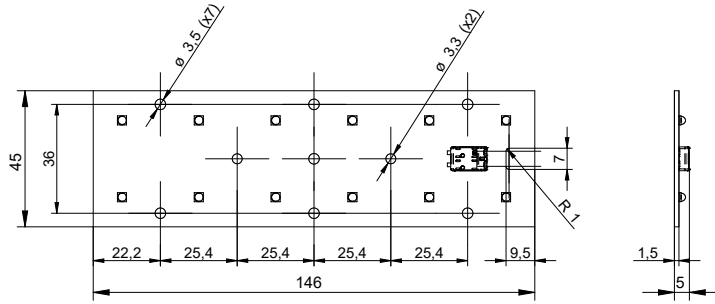
Lumen maintenance

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

simulation based on LM80 LED data

Outdoor LED modules

Dimensions



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 creepage distance between screw's head and surface of the pcb. Max. torque for fixing: 0,5Nm

Connections

