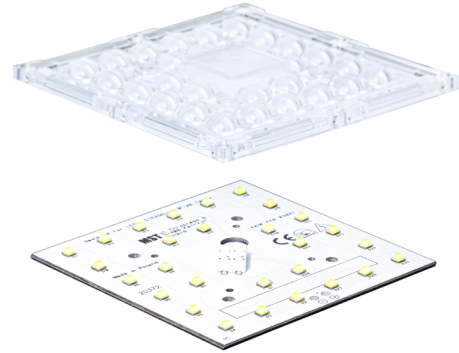


Rectangular LED modules 80x80mm STRADELLA-IP-28

A rectangular solution for street, area and industrial lighting. Optimized for LEDiL's STRADELLA-IP-28 optics.

Product description

- Long life-time
- Built-in, constant current LED module
- Re-workable push-in terminals enabling easy connection
- Compliance and approval: CE, ENEC
- Available CCT from 2700K to 6500K and CRI 70, 80, 90 and 95
- Minimum driving current 100mA



RecLED CRI 70 Optimum G2

Product name	Ordering code	Colour temperature [K]	Current nominal If nom [mA]	Luminous flux* Φ [lm]	Voltage* Vf [V]	Power* P [W]	Efficacy* [lm/W]	Current maximum If max [mA]
RecLED 80x80mm 6800lm 730 28-IP Opt G2	1010 117 96346	3000	520	6490	77	40	163	1500
RecLED 80x80mm 6800lm 740 28-IP Opt G2	1010 117 96446	4000	520	6903	77	40	173	1500

*At nominal current and T_p
Tolerance range for optical and electrical $\pm 10\%$

Temperature & humidity

Specification item	Unit	Value
T _p	[°C]	75
T _p rated	[°C]	75
T _c	[°C]	95
Relative humidity (non-condensing)	[%]	5 ... 85
Storage ambient temperature	[°C]	-25 ... +85
Storage relative humidity (non-condensing)	[%]	5 ... 85

T_p - Temperature related to the performance parameters of the LED modules
T_p rated - Maximum operating temperature to which the rated performance characteristics are declared
T_c - Highest permissible value for safe operation

Technical data

Specification item	Unit	Value
Classification acc. to IEC 62031		built-in
Energy Efficiency Class		A++
Working voltage	[Vdc]	420
Beam angle	[deg]	120
Initial color consistency	[SDCM]	5
Initial color coordinates		Acc. to CIE 1931
Photobiological safety		RG2 (RG1 @ >0.5m distance)

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Certificates & standards

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

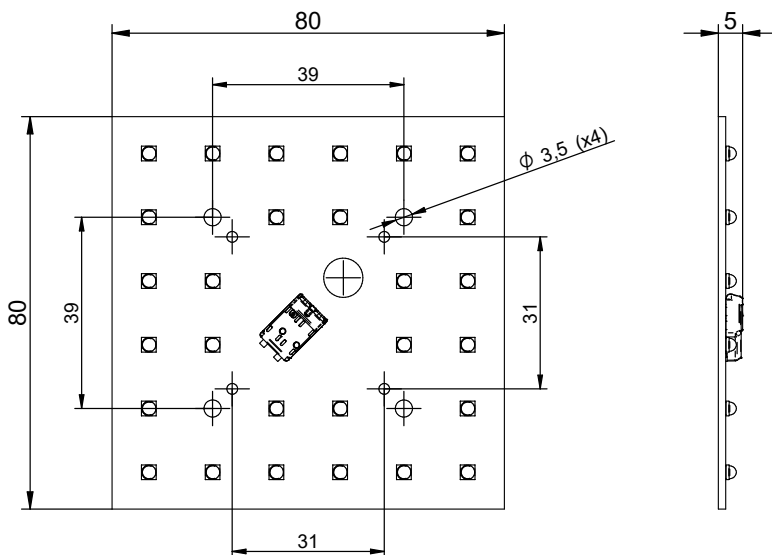
Lumen maintenance

RecLED CRI 70

Forward current	Tp temp.	L70 [h]		L80 [h]		L90 [h]	
		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	92 000	83 000	41 000	38 000

calculated data based on LM80 LED data (10 000h)

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.

LED modules are sensitive to electrostatic discharge (ESD). Follow safety regulations according to IEC 61340-5-1.

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Wiring

Wire cross section and strip length:



D - wire cross section (solid and flexible wires)	Min	Max
	0.2mm ²	0.75mm ²
	AWG 24	AWG 18

L - strip length	Min	Max
	8mm	9mm

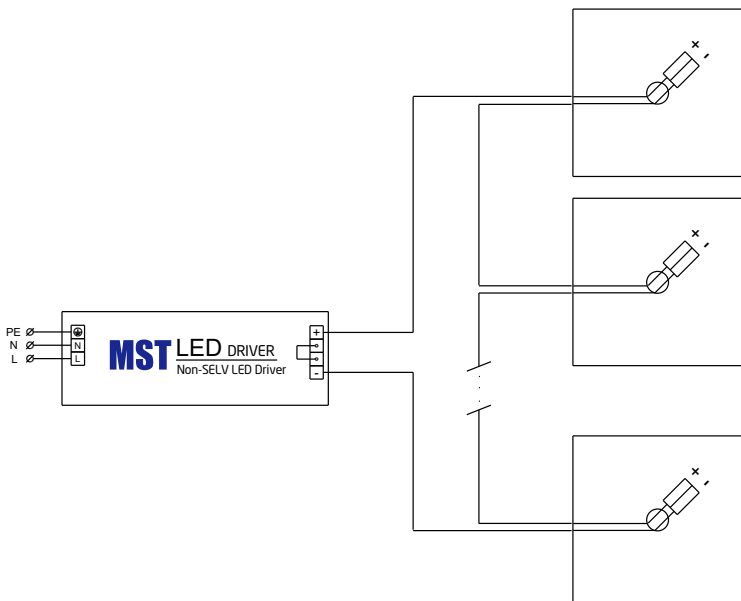
Opening for the release of wires from the top
with release pin Electroterminal art. 881 167 884:



Connections

Max number of modules	Unit	Series	Parallel
RecLED 80x80mm...	[pcs]	4	-

Wiring for series connection system



Ordering codes

Product name	Ordering code	Pieces per box	Pieces per pallet	Box dimensions [mm]
RecLED 80x80mm 6800lm 730 28-IP Opt G2	1010 117 96346	80	9600	360 x 200 x 58
RecLED 80x80mm 6800lm 740 28-IP Opt G2	1010 117 96446	80	9600	360 x 200 x 58