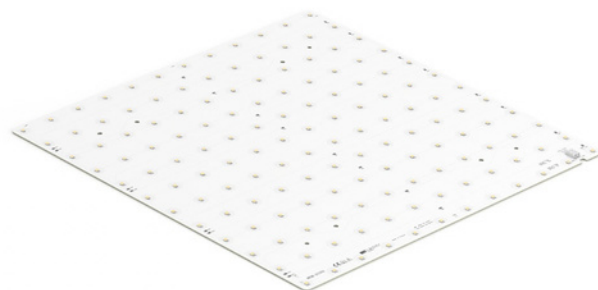


Rectangular LED modules 400x400mm

Product description

- Long life-time
- Built-in, constant current LED module
- Re-workable push-in terminals enabling easy connection
- Compliance and approval: CE, ENEC
- Other CCT and CRI on request



RecLED CRI 80 CJ G4

Product name	Ordering code	Colour temperature [K]	Current nominal If nom [mA]	Luminous flux ¹ Φ [lm]	Useful luminous flux ² [lm]	Voltage Vf [V]	Power ¹ P [W]	Efficacy ¹ [lm/W]	Current minimum If min ³ [mA]	Current maximum If max [mA]	Energy Efficiency Class
RecLED 400x400mm 5000lm 830 108V CJ G4	1010 147 59946	3000	270	4974	5101	97	26	190	40	800	C
RecLED 400x400mm 5000lm 830 36V CJ G4	1010 147 60146		810	4974	5101	32	26	190	120	2400	C
RecLED 400x400mm 5000lm 840 108V CJ G4	1010 147 60046	4000	270	5173	5305	97	26	198	40	800	B
RecLED 400x400mm 5000lm 840 36V CJ G4	1010 147 60246		810	5173	5305	32	26	198	120	2400	B

RecLED CRI 80 CN G3

Product name	Ordering code	Colour temperature [K]	Current nominal If nom [mA]	Luminous flux ¹ Φ [lm]	Useful luminous flux ² [lm]	Voltage Vf [V]	Power ¹ P [W]	Efficacy ¹ [lm/W]	Current minimum If min ³ [mA]	Current maximum If max [mA]	Energy Efficiency Class
RecLED 400x400mm 5000lm 830 108V CN G3	1010 147 32446	3000	280	4933	5105	98	27	180	40	800	C
RecLED 400x400mm 5000lm 830 36V CN G3	1010 147 32646		840	4933	5105	33	27	180	120	2400	C
RecLED 400x400mm 5000lm 840 108V CN G3	1010 147 32546	4000	280	5204	5386	98	27	190	40	800	C
RecLED 400x400mm 5000lm 840 36V CN G3	1010 147 32746		840	5204	5386	33	27	190	120	2400	C

¹At nominal current and T_p

²At nominal current and 25°C

³It is recommended not to operate below minimum current in order to avoid un-even brightness

Tolerance range for optical and electrical ±10%

Temperature & humidity

Specification item	Unit	Value
T _p	[°C]	45
T _p rated	[°C]	65
T _c	[°C]	85
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
Working voltage	[Vdc]	350
Beam angle	[deg]	120
Initial color consistency	[SDCM]	3
Photobiological safety		RG1 unlimited

Rectangular LED modules 400x400mm

Color coordinates

According to CIE 1931

Specification item	CIE _x	CIE _y
2700K	0.4578	0.4101
3000K	0.4338	0.4030
4000K	0.3818	0.3797
6500K	0.3123	0.3282

Certificates & standards

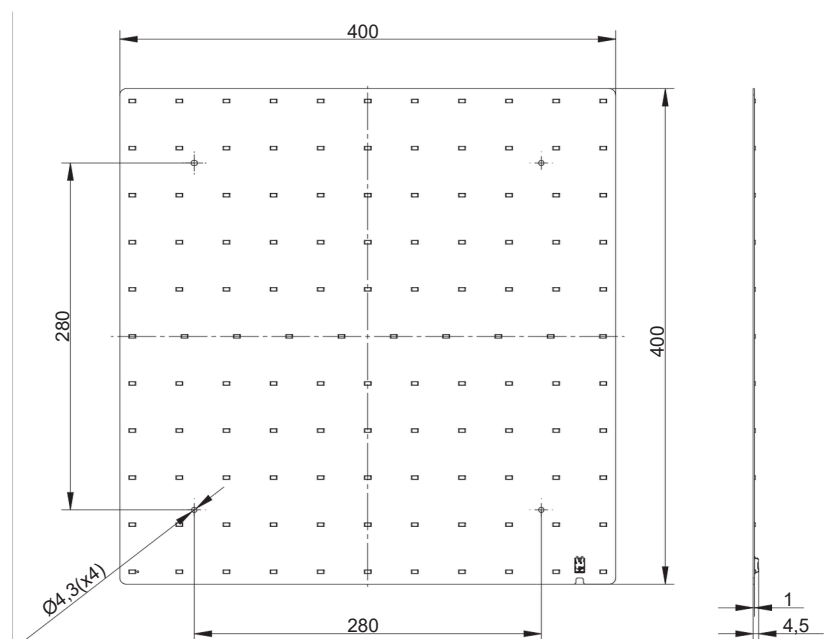
Specification item	Compliant
ENEC	Yes
CE	Yes
RoHS	Yes
REACH	Yes
IP rating	No IP rating

Lumen maintenance

Forward current	Tp temp.	L70 [h]		L80 [h]		L90 [h]	
		B50	B10	B50	B10	B50	B10
If nom	45°C>102 000	>102 000	>102 000	>102 000	>102 000	>102 000	>102 000
	55°C>102 000	>102 000	>102 000	>102 000	>102 000	>102 000	>102 000
	65°C>102 000	>102 000	>102 000	>102 000	>102 000	87 000	86 000
	75°C>102 000	>102 000	>102 000	>102 000	>102 000	74 000	73 000
	85°C>102 000	>102 000	>102 000	>102 000	>102 000	63 000	62 000
If max	45°C>102 000	>102 000	>102 000	>102 000	>102 000	>102 000	>102 000
	55°C>102 000	>102 000	>102 000	>102 000	>102 000	97 000	96 000
	65°C>102 000	>102 000	>102 000	>102 000	>102 000	82 000	81 000
	75°C>102 000	>102 000	>102 000	>102 000	>102 000	69 000	68 000
	85°C>102 000	>102 000	>102 000	>102 000	>102 000	59 000	58 000

Reported data based on LM80 LED data (17 000h)

Dimensions



Rectangular LED modules 400x400mm

Mounting

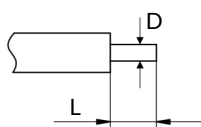
LED Modules cannot be exposed to tensile or compressive stresses. For this purpose it is necessary that the modules are assembled to a flat surface by only rounded head screws. Additionally plastic flat washer should be used to ensure creepeage distance between screw's head and surface of the pcb. Max. torque for fixing: 0,5Nm.

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

Protection against electric shock must be provided by the luminaire's enclosure.

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

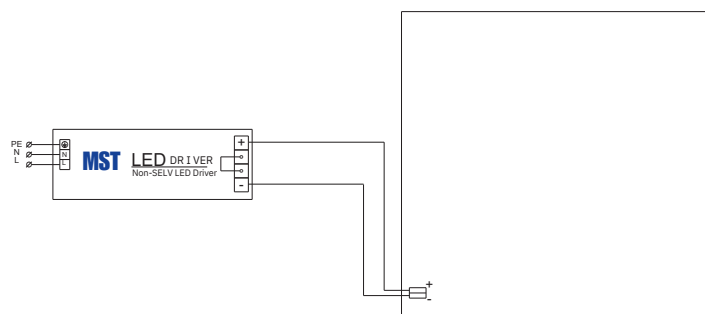
L - strip length	Min	Max
	8mm	9mm

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

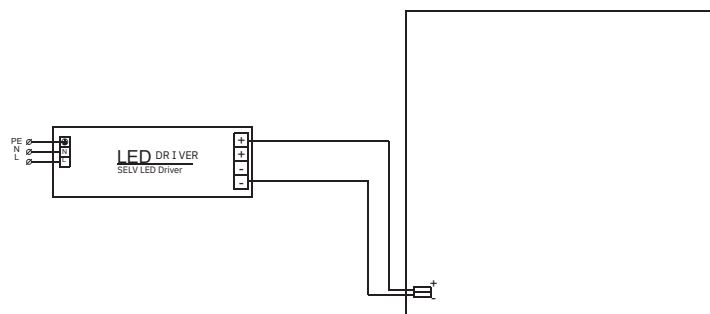


Connections

Wiring for series connection system



Wiring for parallel connection system



To prevent irregular luminous intensity in parallel connection use only LED modules from the same V-code group.

V-code (e.g. "A", "B", "AB") is printed on the LED module and box label. Naming is not adequate to efficacy or luminous flux.

Rectangular LED modules 400x400mm

Energy Label / EPREL database

To obtain Energy Label for this product visit <https://eprel.ec.europa.eu/> and enter model identifier

Model identifier consists of 10 digits XXXX XXX XXX. It is printed directly on the LED module or on product label. This is the number you can see in EPREL database.

Ordering code consist of 12 digits XXXX XXX XXX46. Additional last two digits means packaging of the product.

Ordering codes

Product name	Ordering code	Pieces per box	Pieces per pallet	Box dimensions [mm]
RecLED 400x400mm 5000lm 830 108V CJ G4	1010 147 59946	12	336	441 x 441 x 58
RecLED 400x400mm 5000lm 830 36V CJ G4	1010 147 60146	12	336	441 x 441 x 58
RecLED 400x400mm 5000lm 840 108V CJ G4	1010 147 60046	12	336	441 x 441 x 58
RecLED 400x400mm 5000lm 840 36V CJ G4	1010 147 60246	12	336	441 x 441 x 58
RecLED 400x400mm 5000lm 830 108V CN G3	1010 147 32446	12	336	441 x 441 x 58
RecLED 400x400mm 5000lm 830 36V CN G3	1010 147 32646	12	336	441 x 441 x 58
RecLED 400x400mm 5000lm 840 108V CN G3	1010 147 32546	12	336	441 x 441 x 58
RecLED 400x400mm 5000lm 840 36V CN G3	1010 147 32746	12	336	441 x 441 x 58