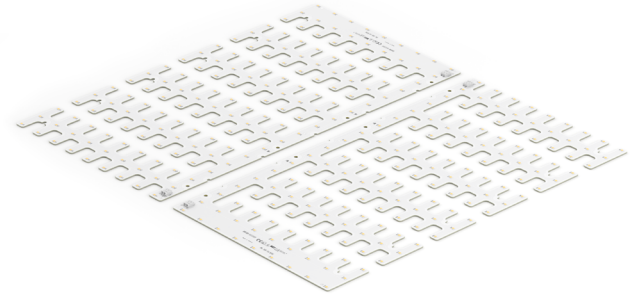


Rectangular LED modules 519x261mm non-SELV

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 80, 90



RecLED CRI 80 Optimum G2

Product name	Ordering code	Colour temperature [K]	Current nominal If nom [mA]	Luminous flux ¹ φ [lm]	Useful luminous flux ² [lm]	Voltage ¹ 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 519x261mm 2500lm 830 81V Opt G2	1010 117 88846	3000	180	2371	2445	71	13	186	60	900	C
RecLED 519x261mm 2500lm 840 81V Opt G2	1010 117 88946	4000	180	2568	2649	71	13	201	60	900	B

RecLED CRI 80 Optimum G1

Product name	Ordering code	Colour temperature [K]	Current nominal If nom [mA]	Luminous flux ¹ φ [lm]	Useful luminous flux ² [lm]	Voltage ¹ 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 519x261mm 2500lm 830 81V Opt G1	1010 117 47046	3000	185	2473	2558	73	14	184	60	900	C
RecLED 519x261mm 2500lm 840 81V Opt G1	1010 117 47146	4000	185	2597	2687	73	14	193	60	900	C

RecLED CRI 90 Optimum G1

Product name	Ordering code	Colour temperature [K]	Current nominal If nom [mA]	Luminous flux ¹ φ [lm]	Useful luminous flux ² [lm]	Voltage ¹ 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 519x261mm 2500lm 927 81V Opt G1	1010 117 73246	2700	210	2289	2372	74	16	148	60	900	D
RecLED 519x261mm 2500lm 930 81V Opt G1	1010 117 67546	3000	210	2458	2547	74	16	159	60	900	D
RecLED 519x261mm 2500lm 940 81V Opt G1	1010 117 52446	4000	210	2628	2723	74	16	170	60	900	C

RecLED CRI 80 Basic G1

Product name	Ordering code	Colour temperature [K]	Current nominal If nom [mA]	Luminous flux ¹ φ [lm]	Useful luminous flux ² [lm]	Voltage ¹ 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 519x261mm 2500lm 830 81V Bsc G1	1010 117 45846	3000	210	2528	2615	74	16	163	60	900	D
RecLED 519x261mm 2500lm 840 81V Bsc G1	1010 117 45946	4000	210	2669	2762	74	16	172	60	900	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

Rectangular LED modules 519x261mm non-SELV

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

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
Zhaga	No
IP rating	No IP rating

Lumen maintenance

ReclED CRI 80

Forward current	T _p temp.	L70 [h]		L80 [h]		L90 [h]	
		B50	B10	B50	B10	B50	B10
If nom	45°C	>72 000	>72 000	>72 000	>72 000	71 000	60 000
	55°C	>72 000	>72 000	>72 000	>72 000	71 000	60 000
	65°C	>72 000	>72 000	>72 000	>72 000	69 000	60 000
	75°C	>72 000	>72 000	>72 000	>72 000	68 000	58 000
	85°C	>72 000	>72 000	>72 000	>72 000	66 000	58 000
If max	45°C	>72 000	>72 000	>72 000	>72 000	51 000	39 000
	55°C	>72 000	>72 000	>72 000	>72 000	51 000	39 000
	65°C	>72 000	>72 000	>72 000	>72 000	48 000	37 000
	75°C	>72 000	>72 000	>72 000	>72 000	45 000	35 000
	85°C	>72 000	>72 000	>72 000	69 000	43 000	34 000

reported data based on LM80 LED data (@65mA 17000h / @160mA & 200mA 12000h)

ReclED CRI 90

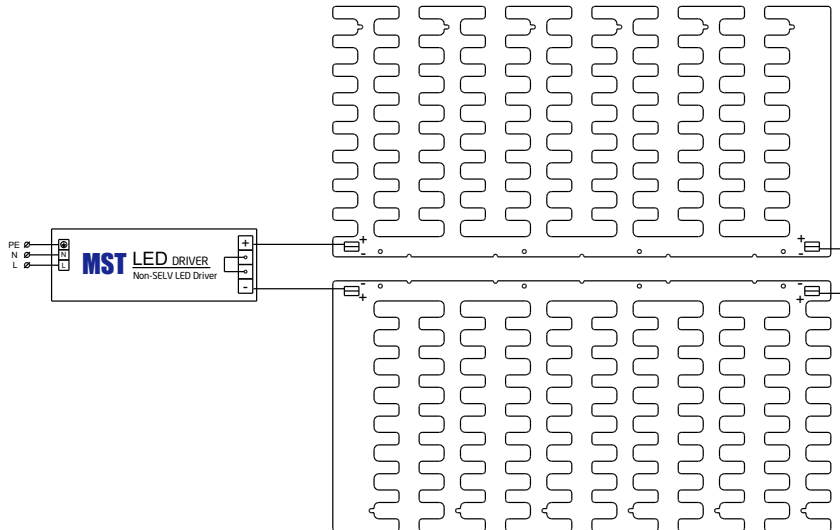
Forward current	T _p temp.	L70 [h]		L80 [h]		L90 [h]	
		B50	B10	B50	B10	B50	B10
If nom	45°C	>60 000	>60 000	>60 000	>60 000	>60 000	58 000
	65°C	>60 000	>60 000	>60 000	>60 000	49 000	47 000
If max	85°C	>60 000	>60 000	>60 000	>60 000	39 000	34 000
	45°C	>60 000	>60 000	52 000	49 000	29 000	28 000
	65°C	>60 000	>60 000	47 000	44 000	25 000	24 000
	85°C	>60 000	58 000	41 000	38 000	22 000	19 000

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

Rectangular LED modules 519x261mm non-SELV

Connections

Wiring for series connection system



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 519x261mm 2500lm 830 81V Opt G2	1010 117 88846	12	672	548 x 283 x 58
RecLED 519x261mm 2500lm 840 81V Opt G2	1010 117 88946	12	672	548 x 283 x 58
RecLED 519x261mm 2500lm 830 81V Opt G1	1010 117 47046	12	672	548 x 283 x 58
RecLED 519x261mm 2500lm 840 81V Opt G1	1010 117 47146	12	672	548 x 283 x 58
RecLED 519x261mm 2500lm 927 81V Opt G1	1010 117 73246	12	672	548 x 283 x 58
RecLED 519x261mm 2500lm 930 81V Opt G1	1010 117 67546	12	672	548 x 283 x 58
RecLED 519x261mm 2500lm 940 81V Opt G1	1010 117 52446	12	672	548 x 283 x 58
RecLED 519x261mm 2500lm 830 81V Bsc G1	1010 117 45846	12	672	548 x 283 x 58
RecLED 519x261mm 2500lm 840 81V Bsc G1	1010 117 45946	12	672	548 x 283 x 58