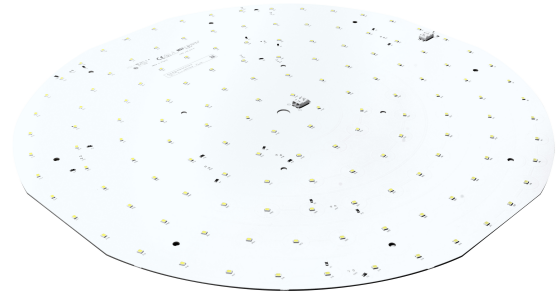


## Round LED modules 400mm

### Product description

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



### LinLED CRI 80

Product name	Ordering code	Colour temperature [K]	Current nominal If nom [mA]	Luminous flux @ If nom & Tp Φ [lm]	Voltage @ If nom & Tp Vf [V]	Power @ If nom & Tp P [W]	Efficacy @ If nom & Tp [lm/W]	Current maximum If max [mA]
RdLED 400mm 4000lm 830 105V Opt G2	1010 117 90446	3000	225	3860	98	22	176	600
RdLED 400mm 4000lm 840 105V Opt G2	1010 117 90546	4000	225	4055	98	22	184	600
RdLED 400mm 4000lm 830 42V Opt G2	1010 117 90646	3000	565	3877	39	22	175	1500
RdLED 400mm 4000lm 840 42V Opt G2	1010 117 90746	4000	565	4072	39	22	184	1500

Tolerance range for optical and electrical ±10%

### Temperature & humidity

Specification item	Unit	Value
Tp	[°C]	45
Tp rated	[°C]	65
Tc	[°C]	85
Relative humidity (non-condensing)	[%]	5 ... 85
Storage ambient temperature	[°C]	-25 ... +85
Storage relative humidity (non-condensing)	[%]	5 ... 85

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

## Round LED modules 400mm

### Technical data

Specification item	Unit	Value
Classification acc. to IEC 62031	[V]	built-in
Energy Efficiency Class		A++
Working voltage	[Vdc]	350
Beam angle	[deg]	120
Initial color consistency	[SDCM]	3
Initial color coordinates		Acc. to CIE 1931
Photobiological safety		RG1 unlimited

### Certificates & standards

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

### Lumen maintenance

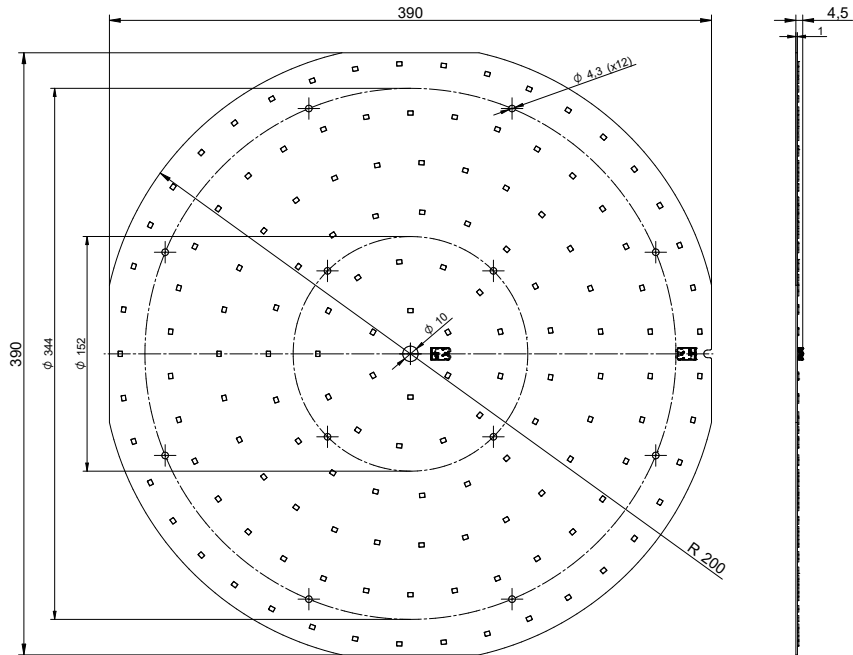
#### LinLED CRI 80

Forward current	Tp temperature	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	>60 000
	55°C	>60 000	>60 000	>60 000	>60 000	>60 000	>60 000
	65°C	>60 000	>60 000	>60 000	>60 000	>60 000	53 000
If max	45°C	>60 000	>60 000	>60 000	>60 000	>60 000	57 000
	55°C	>60 000	>60 000	>60 000	>60 000	>60 000	54 000
	65°C	>60 000	>60 000	>60 000	>60 000	57 000	48 000

simulation based on LM80 LED data (10,000h)

## Round LED modules 400mm

### Dimensions



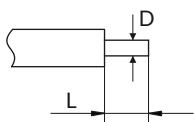
### Mounting

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.

### Wiring

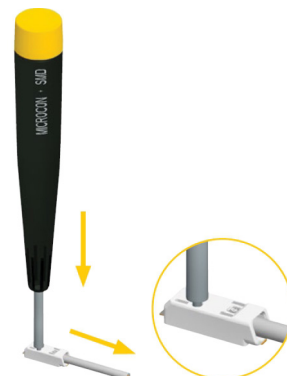
Wire cross section and strip length:



	Min	Max
D - wire cross section <i>solid and flexible wires</i>	0.2mm <sup>2</sup>	0.75mm <sup>2</sup>
	AWG 18	AWG 24

	Min	Max
L - strip length	8mm	9mm

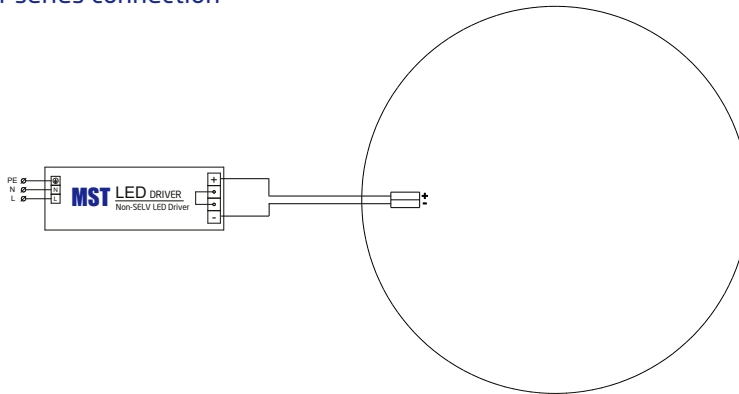
Opening for the release of wires from the top with release pin Electroterminal art. 881 167 884:



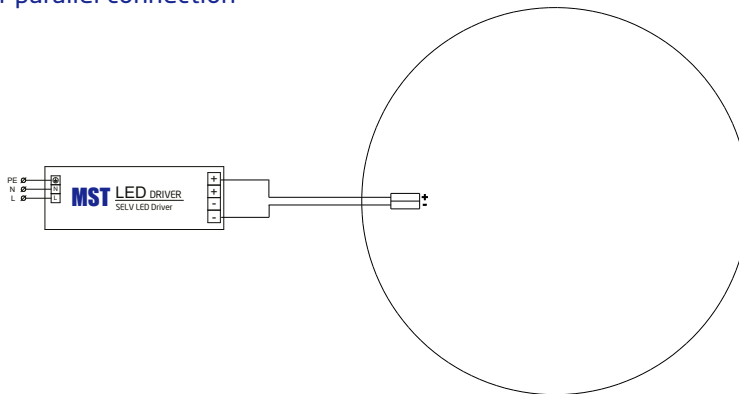
## Round LED modules 400mm

### Connections

#### Wiring for series connection



#### Wiring for parallel connection



### Ordering codes

Specification item	Ordering code	Pieces per box	Pieces per pallet
RdLED 400mm 4000lm 830 105V Opt G2	1010 117 90446	12	336
RdLED 400mm 4000lm 840 105V Opt G2	1010 117 90546	12	336
RdLED 400mm 4000lm 830 42V Opt G2	1010 117 90646	12	336
RdLED 400mm 4000lm 840 42V Opt G2	1010 117 90746	12	336