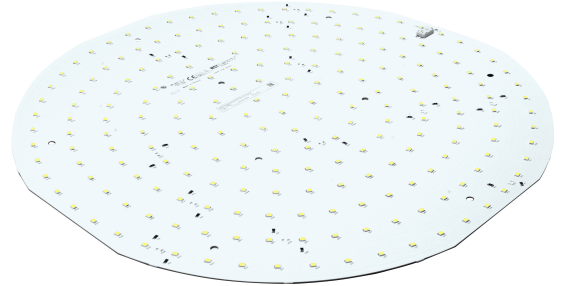


## Round LED modules 350mm FLAT G1

### Product description

- Long life-time
- Built-in, constant current LED module
- Re-workable push-in terminals enabling easy connection
- Compliance and approval: CE
- 2C - two connectors for series system, also recognized as a high voltage system - non-SELV
- Available CCT from 2700K to 6500K and CRI 80, 90 and 95



### RdLED CRI 80

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]
RdLED 350mm 4000lm 830 36V FLAT Opt G1	1010 117 85346	3000	670	3925	33	22	178	2700
RdLED 350mm 4000lm 840 36V FLAT Opt G1	1010 117 85446	4000	670	4183	33	22	190	2700
RdLED 350mm 4000lm 830 108V FLAT Opt G1	1010 117 85546	3000	225	3954	99	22	178	900
RdLED 350mm 4000lm 840 108 V FLAT Opt G1	1010 117 85646	4000	225	4214	99	22	190	900

\*At nominal current and Tp

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 350mm FLAT G1

### 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

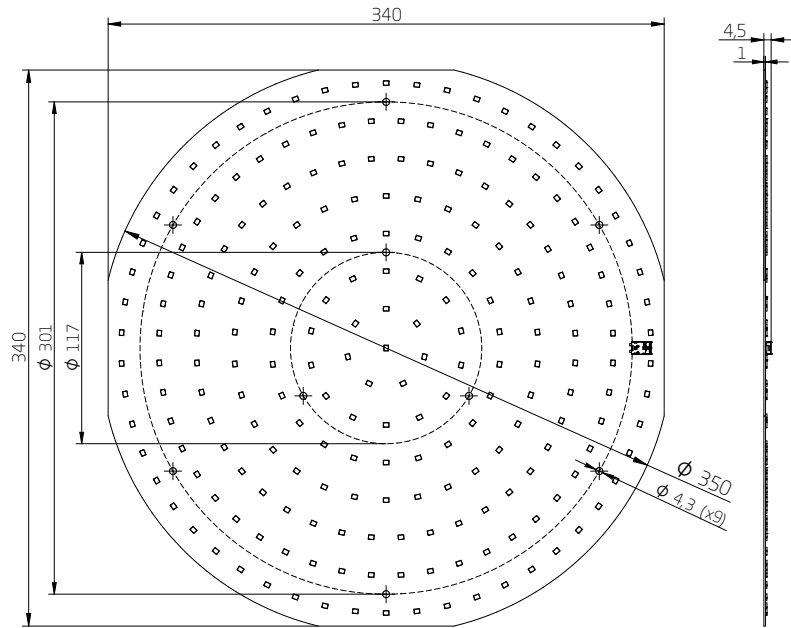
#### RdLED CRI 80

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	54 000
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 350mm FLAT G1

### Dimensions



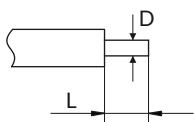
### Mounting

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

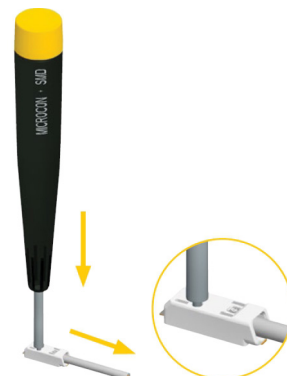
Wire cross section and strip length:



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

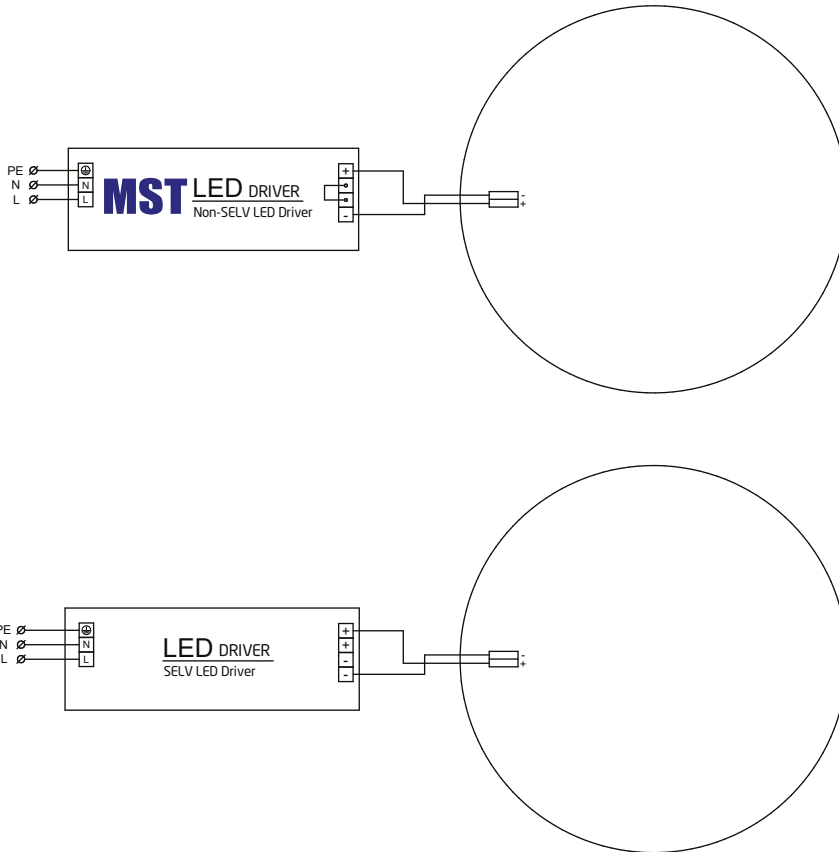
L - strip length	Min	Max
	8mm	9mm

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



## Round LED modules 350mm FLAT G1

### Connections



### Ordering codes

Specification item	Ordering code	Pieces per box	Pieces per pallet	Box dimensions [mm]	Product weight [g]	Gross weight [g]
RdLED 350mm 4000lm 830 36V FLAT Opt G1	1010 117 85346	12	1008	363 x 363 x 58	214	290
RdLED 350mm 4000lm 840 36V FLAT Opt G1	1010 117 85446	12	1008	363 x 363 x 58	214	290
RdLED 350mm 4000lm 830 108V FLAT Opt G1	1010 117 85546	12	1008	363 x 363 x 58	214	290
RdLED 350mm 4000lm 840 108 V FLAT Opt G1	1010 117 85646	12	1008	363 x 363 x 58	214	290