

# LED SPOT 600 GEN3

TCI LED

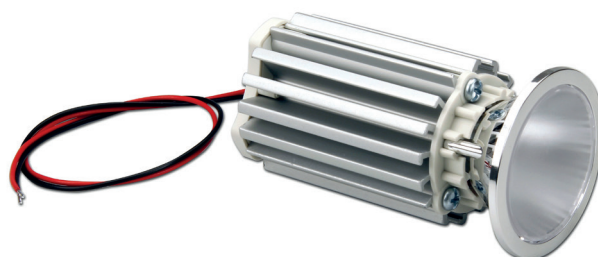
LED spots

Made in Italy



UP TO  
**166**  
lm/W

L80  
B20  
>150.000 h  
@ tc=80 °C



constant  
**CURRENT**

**CRI**

>80

>90

**Rated Current**

150 mA

200 mA

250 mA

**Available (CCT)  
colour temperature**

3000 K

4000 K

2700 K on request - su richiesta  
3500 K on request - su richiesta  
5000 K on request - su richiesta  
5700 K on request - su richiesta  
6500 K on request - su richiesta

**Beam angle**

20°

35°

55°

**Ambient temperature**

ta: -40...+45 °C

(Only for tc ≤ 90 °C)

**Module temperature**

tc: 90 °C

**Standards compliance**

EN 55015

EN 61347-1

EN 62031

EN 62471

| Article<br>Articolo            | Code<br>Codice | Temp.<br>Color<br>Colore | Typ Current<br>(I typ)<br>mA | Flux lm <sup>(1)</sup><br>(I typ 25°C)<br>tc | Flux lm <sup>(1)</sup><br>(I typ 80°C)<br>tc | V    | Power<br>W | Efficacy<br>Tc 25°C<br>lm/W | Efficacy<br>Tc 80°C<br>lm/W | ta<br>°C  | tc<br>°C | CRI | Beam<br>angle |
|--------------------------------|----------------|--------------------------|------------------------------|----------------------------------------------|----------------------------------------------|------|------------|-----------------------------|-----------------------------|-----------|----------|-----|---------------|
| <b>LED SPOT 600<br/>CRI 80</b> | 131296/830/20  | 3000K                    | 150                          | 774                                          | 720                                          | 33,3 | 4,9        | 158                         | 150                         | -20...+45 | 90       | >80 | 20°           |
|                                |                |                          | 200                          | 1020                                         | 948                                          | 33,3 | 6,6        | 154                         | 146                         | -20...+45 |          |     |               |
|                                |                |                          | 250                          | 1259                                         | 1170                                         | 33,3 | 8,4        | 150                         | 142                         | -20...+45 |          |     |               |
|                                | 131296/830/35  | 3000K                    | 150                          | 774                                          | 720                                          | 33,3 | 4,9        | 158                         | 150                         | -20...+45 | 90       | >80 | 35°           |
|                                |                |                          | 200                          | 1020                                         | 948                                          | 33,3 | 6,6        | 154                         | 146                         | -20...+45 |          |     |               |
|                                |                |                          | 250                          | 1259                                         | 1170                                         | 33,3 | 8,4        | 150                         | 142                         | -20...+45 |          |     |               |
|                                | 131296/830/55  | 3000K                    | 150                          | 774                                          | 720                                          | 33,3 | 4,9        | 158                         | 150                         | -20...+45 | 90       | >80 | 55°           |
|                                |                |                          | 200                          | 1020                                         | 948                                          | 33,3 | 6,6        | 154                         | 146                         | -20...+45 |          |     |               |
|                                |                |                          | 250                          | 1259                                         | 1170                                         | 33,3 | 8,4        | 150                         | 142                         | -20...+45 |          |     |               |
|                                | 131296/840/20  | 4000K                    | 150                          | 813                                          | 756                                          | 33,3 | 4,9        | 166                         | 157                         | -20...+45 | 90       | >80 | 20°           |
|                                |                |                          | 200                          | 1070                                         | 995                                          | 33,3 | 6,6        | 162                         | 153                         | -20...+45 |          |     |               |
|                                |                |                          | 250                          | 1322                                         | 1230                                         | 33,3 | 8,4        | 157                         | 150                         | -20...+45 |          |     |               |
|                                | 131296/840/35  | 4000K                    | 150                          | 813                                          | 756                                          | 33,3 | 4,9        | 166                         | 157                         | -20...+45 | 90       | >80 | 35°           |
|                                |                |                          | 200                          | 1070                                         | 995                                          | 33,3 | 6,6        | 162                         | 153                         | -20...+45 |          |     |               |
|                                |                |                          | 250                          | 1322                                         | 1230                                         | 33,3 | 8,4        | 157                         | 150                         | -20...+45 |          |     |               |
|                                | 131296/840/55  | 4000K                    | 150                          | 813                                          | 756                                          | 33,3 | 4,9        | 166                         | 157                         | -20...+45 | 90       | >80 | 55°           |
|                                |                |                          | 200                          | 1070                                         | 995                                          | 33,3 | 6,6        | 162                         | 153                         | -20...+45 |          |     |               |
|                                |                |                          | 250                          | 1322                                         | 1230                                         | 33,3 | 8,4        | 157                         | 150                         | -20...+45 |          |     |               |
| <b>LED SPOT 600<br/>CRI 90</b> | 131296/930/20  | 3000K                    | 150                          | 663                                          | 617                                          | 33,3 | 4,9        | 135                         | 128                         | -20...+45 | 90       | >90 | 20°           |
|                                |                |                          | 200                          | 874                                          | 812                                          | 33,3 | 6,6        | 132                         | 125                         | -20...+45 |          |     |               |
|                                |                |                          | 250                          | 1078                                         | 1002                                         | 33,3 | 8,4        | 129                         | 122                         | -20...+45 |          |     |               |
|                                | 131296/930/35  | 3000K                    | 150                          | 663                                          | 617                                          | 33,3 | 4,9        | 135                         | 128                         | -20...+45 | 90       | >90 | 35°           |
|                                |                |                          | 200                          | 874                                          | 812                                          | 33,3 | 6,6        | 132                         | 125                         | -20...+45 |          |     |               |
|                                |                |                          | 250                          | 1078                                         | 1002                                         | 33,3 | 8,4        | 129                         | 122                         | -20...+45 |          |     |               |
|                                | 131296/930/55  | 3000K                    | 150                          | 663                                          | 617                                          | 33,3 | 4,9        | 135                         | 128                         | -20...+45 | 90       | >90 | 55°           |
|                                |                |                          | 200                          | 874                                          | 812                                          | 33,3 | 6,6        | 132                         | 125                         | -20...+45 |          |     |               |
|                                |                |                          | 250                          | 1078                                         | 1002                                         | 33,3 | 8,4        | 129                         | 122                         | -20...+45 |          |     |               |
|                                | 131296/940/20  | 4000K                    | 150                          | 697                                          | 648                                          | 33,3 | 4,9        | 142                         | 135                         | -20...+45 | 90       | >90 | 20°           |
|                                |                |                          | 200                          | 918                                          | 853                                          | 33,3 | 6,6        | 138                         | 131                         | -20...+45 |          |     |               |
|                                |                |                          | 250                          | 1133                                         | 1053                                         | 33,3 | 8,4        | 135                         | 128                         | -20...+45 |          |     |               |
|                                | 131296/940/35  | 4000K                    | 150                          | 697                                          | 648                                          | 33,3 | 4,9        | 142                         | 135                         | -20...+45 | 90       | >90 | 35°           |
|                                |                |                          | 200                          | 918                                          | 853                                          | 33,3 | 6,6        | 138                         | 131                         | -20...+45 |          |     |               |
|                                |                |                          | 250                          | 1133                                         | 1053                                         | 33,3 | 8,4        | 135                         | 128                         | -20...+45 |          |     |               |
|                                | 131296/940/55  | 4000K                    | 150                          | 697                                          | 648                                          | 33,3 | 4,9        | 142                         | 135                         | -20...+45 | 90       | >90 | 55°           |
|                                |                |                          | 200                          | 918                                          | 853                                          | 33,3 | 6,6        | 138                         | 131                         | -20...+45 |          |     |               |
|                                |                |                          | 250                          | 1133                                         | 1053                                         | 33,3 | 8,4        | 135                         | 128                         | -20...+45 |          |     |               |

<sup>(1)</sup> The written flux includes the 20% losses due to the reflector - Il flusso riportato include la perdita del 20% dovuta al riflettore

## Main features

- LED SPOT for built-in use.
- Polycarbonate spotlight 50mm diameter.
- PMMA diffusing or transparent lens to cover the spotlight.
- Minimum colour tolerance: 3MacAdam (3SDCM).
- Perfect light uniformity.
- Anodized aluminium heat sink.
- Provided with power wires and tear-proof cable clamps.
- Emitting angle: 20°/35°/55°.
- High efficiency of the system in combination with TCI drivers.
- The use is guaranteed in combination with TCI drivers only.

## Caratteristiche principali

- SPOT LED da incorporare.
- Riflettore in policarbonato Diametro 50 mm.
- Lente diffondente o trasparente in PMMA a copertura del riflettore.
- Minima tolleranza di colore: 3MacAdam (3SDCM).
- Perfetta uniformità di luce.
- Dissipatore in alluminio anodizzato.
- Provisto di cavi di alimentazione e fissacavo antistrappo.
- Angolo di emissione: 20°/35°/55°.
- Alta efficienza del sistema in combinazione con driver TCI.
- L'utilizzo è garantito in combinazione con driver TCI.

**7**  
YEARS  
WARRANTY  
3% FAILURE RATE

**10**  
YEARS  
WARRANTY  
5% FAILURE RATE

PRODUCER'S LIABILITY  
TCI

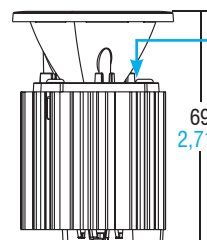
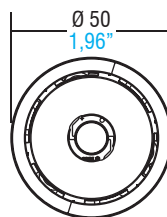
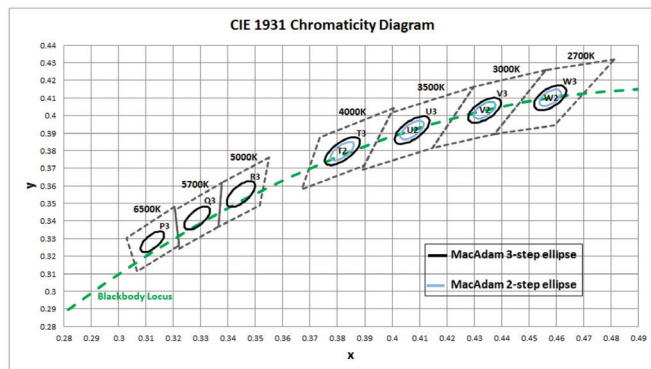
WARRANTY 10 YEARS  
ACCORDING TO  
THE EUROPEAN  
CONSUMER

## LED spots

## Technical features - Caratteristiche tecniche

Chromaticity region & Coordinates ( $I_f=360$  mA,  $T_j=85$  °C)

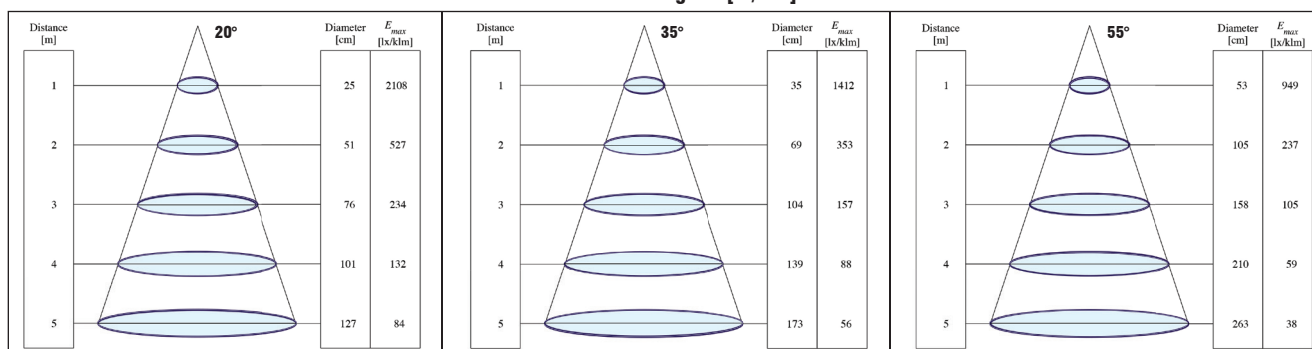
LED SPOT 600 (Weight/Peso 3,17 oz. / gr. 90 - Pcs/Pezzi 20)



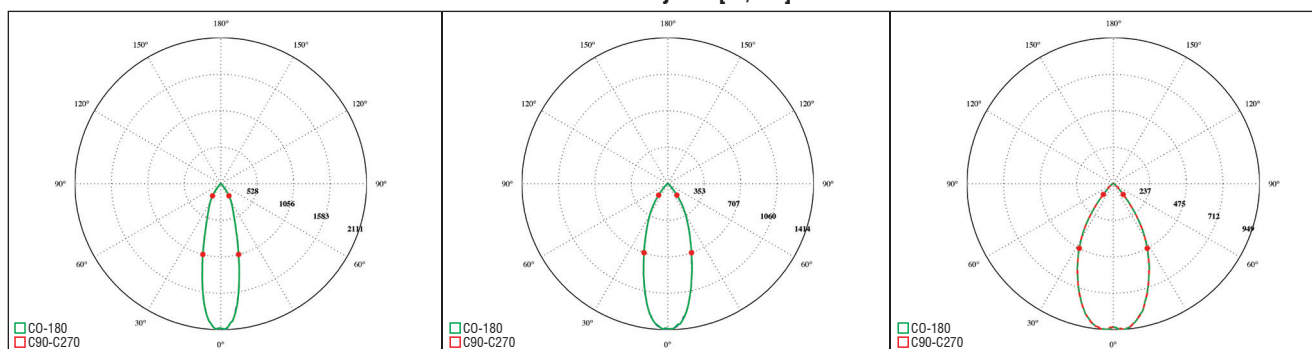
The **tc point** is on the welding point between the COB and the black wire

**tc point** è preso sul punto di saldatura tra piazzola COB e filo nero

Illuminance Diagram [Lx/klm]



Polar Intensity Plot [cd/klm]

I dati indicati sono stati rilevati a CCT 4000K CRI>90 @250mA,  $T_c=80$ °C

## LED driver choice table - Tabella di scelta driver

| Article      | Current | Power | Standard Driver  |        | Standard Driver PFC>0,9 |        | Dimmable 1-10V & PUSH |               | Dimmable DALI  |               |
|--------------|---------|-------|------------------|--------|-------------------------|--------|-----------------------|---------------|----------------|---------------|
|              |         |       | Article          | Code   | Article                 | Code   | Article               | Code          | Article        | Code          |
| LED SPOT 600 | 150     | 5     | MP 15            | 122360 | UNIVERSALE LC           | 122203 | MINIJOLLY LC          | 123401-151401 | -              | -             |
|              | 200     | 7     | MP 15            | 122360 | UNIVERSALE LC           | 122203 | MINIJOLLY LC          | 123401-151401 | -              | -             |
|              | 250     | 8,7   | MP 15            | 122360 | UNIVERSALE 20           | 122201 | MINIJOLLY LC          | 123401-151401 | MINIJOLLY DALI | 125403-151403 |
|              |         |       | DCC 10W 250mA US | 122358 | UNIVERSALE LC           | 122203 |                       |               |                |               |

| Article          | Code          | Rated Voltage | P out W <sup>(1)</sup> | V out | dimension (mm) | Ø mm | Efficiency (100 %) <sup>(1)</sup> | ta °C  | tc °C | Power Factor λ | Dimmable       |
|------------------|---------------|---------------|------------------------|-------|----------------|------|-----------------------------------|--------|-------|----------------|----------------|
| DCC 10W 250mA    | 122358        | 110-240       | 10                     | 43    | 115x34x19      | 40   | 73                                | -25+50 | 75    | 0,6 C          | NO             |
| MP 15            | 122360        | 100-240       | 15 (10)                | 41,5  | 115x34x19      | 40   | 82                                | -25+50 | 75    | 0,6 C          | NO             |
| UNIVERSALE 20 LC | 122203        | 220-240       | 20                     | 55    | 110x52x22      | 55   | >87                               | -25+50 | 75    | 0,95           | NO             |
| MINIJOLLY        | 125400-151400 | 110-240       | 20                     | 43    | 110x52x22      | 55   | >87                               | -25+50 | 80    | 0,95           | 1...10V - PUSH |
| MINIJOLLY LC     | 123401-151401 | 110-240       | 20                     | 43    | 110x52x22      | 55   | >87                               | -25+45 | 75    | 0,95           | 1...10V - PUSH |
| MINIJOLLY DALI   | 125403-151403 | 110-240       | 20                     | 43    | 110x52x22      | 55   | >87                               | -25+45 | 75    | 0,95           | DALI           |

<sup>(1)</sup> Referred to  $V_{in} = 230$  V, 100% load - Riferito a  $V_{in} = 230$  V, carico 100%For additional technical informations please visit our website: [www.tci.it](http://www.tci.it)