

## Description



The LED bar is intended to create a new lighting concept and greatly reduce energy consumption. Color temperature tolerance of 3 SDCM MacAdam ellipse, according to ANSI C78.377: 2011.

A+ Energy class.

The LEDs meet the Eye safety standard EN62471 classified in RG-1.

The polycarbonate bar lens Trirex 3030IR, meets the food safety standards for FDA 21CFR 177.1580 and the European standard (EU) No. 10/2011.

A great flexibility of sizes, (10cm to 225cm) allows to adapt the sizes and luminosity to each project.

With easy installation, allows the use of individual bars for each of the sizes and or join several bars in a continuous line so that the space is suitably illuminated.

## Technical Features:

|                   |   |
|-------------------|---|
| Power source      | Class II constant voltage external LED drive power supply |
| Voltage           | 24 ± 3 V DC   |
| Current           | 588 mA  |
| Power             | 14 ± 0.5 W  |
| Useful Lifetime   | 60.000 hours (L70 - 55°C @ 65%H) *                        |
| Beam angle        | 120 ± 5° **   |
| Field angle       | Clear: 135 ± 5° Frost: 195 ± 5° ***                       |
| Nr of LEDs        | 168 - SMD   |
| Working Temp.     | -20 to 40 °C  |
| Isolation         | Class III   |
| Protection degree | IP42  |
| Lumen maintenance | LM80 (Report available: <a href="#">LM-80 9000hrs</a> )   |
| Certificate       | CE / RoHs   |

\*Luminosity depreciation based on L70.

\*\*Beam angle: 50% of maximum lum.

\*\*\*Field angle: 10% of maximum lum.

## Light Technical Data:

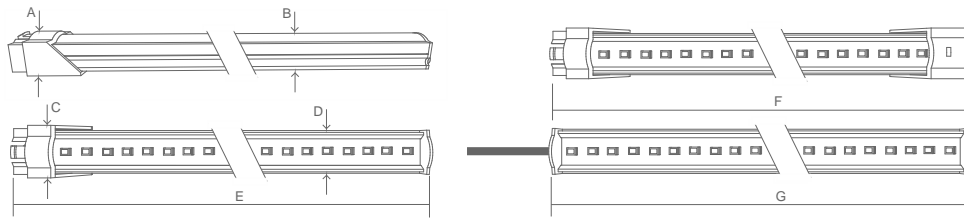
| Reference                          | Description                       | Lum. flux (Lm)* | Eff. (Lm/W) | Color Temp. (K)** | Color   | CRI > | Lens type |
|------------------------------------|-----------------------------------|-----------------|-------------|-------------------|---------|-------|-----------|
| 11105032111 <a href="#">XXYYZZ</a> | LLED Barra 24V 105 WW303 HE Clear | 1722            | 123         | 3045 ± 84         | Warm    | 80    | Clear     |
| 11105034111 <a href="#">XXYYZZ</a> | LLED Barra 24V 105 NW403 HE Clear | 1801            | 129         | 3986 ± 144        | Neutral | 80    | Clear     |
| 11105024111 <a href="#">XXYYZZ</a> | LLED Barra 24V 105 NW403 Clear    | 1719            | 123         | 3986 ± 144        | Neutral | 80    | Clear     |
| 11105025111 <a href="#">XXYYZZ</a> | LLED Barra 24V 105 CW503 Clear    | 1719            | 123         | 5029 ± 186        | Cool    | 80    | Clear     |
| 11105036111 <a href="#">XXYYZZ</a> | LLED Barra 24V 105 CW573 HE Clear | 1801            | 129         | 5668 ± 207        | Cool    | 80    | Clear     |
| 11105027111 <a href="#">XXYYZZ</a> | LLED Barra 24V 105 CW653 Clear    | 1719            | 123         | 6536 ± 279        | Cool    | 80    | Clear     |
| 11105032112 <a href="#">XXYYZZ</a> | LLED Barra 24V 105 WW303 HE Frost | 1478            | 106         | 3045 ± 84         | Warm    | 80    | Frost     |
| 11105034112 <a href="#">XXYYZZ</a> | LLED Barra 24V 105 NW403 HE Frost | 1547            | 110         | 3986 ± 144        | Neutral | 80    | Frost     |
| 11105024112 <a href="#">XXYYZZ</a> | LLED Barra 24V 105 NW403 Frost    | 1406            | 100         | 3986 ± 144        | Neutral | 80    | Frost     |
| 11105025112 <a href="#">XXYYZZ</a> | LLED Barra 24V 105 CW503 Frost    | 1406            | 100         | 5029 ± 186        | Cool    | 80    | Frost     |
| 11105036112 <a href="#">XXYYZZ</a> | LLED Barra 24V 105 CW573 HE Frost | 1547            | 110         | 5668 ± 207        | Cool    | 80    | Frost     |
| 11105027112 <a href="#">XXYYZZ</a> | LLED Barra 24V 105 CW653 Frost    | 1406            | 100         | 6536 ± 279        | Cool    | 80    | Frost     |

\* Luminous flux ± 7.5%

\* Other color temperatures available upon request



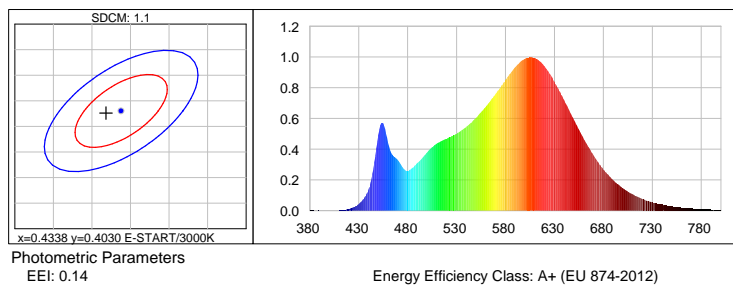
## Dimensions



| A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) |
|--------|--------|--------|--------|--------|--------|--------|
| 15     | 12     | 20     | 17     | 1069   | 1085   | 1054   |

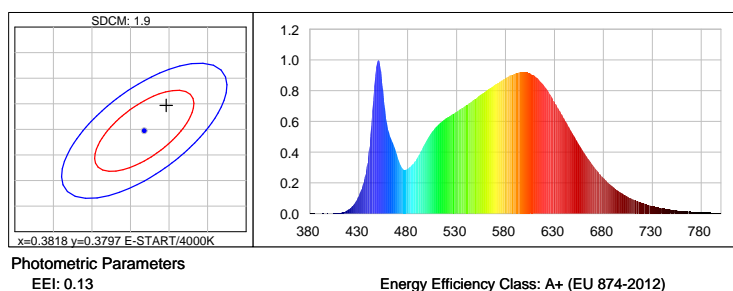
## Photometric Data

### Warm white 3000K 3SDCM



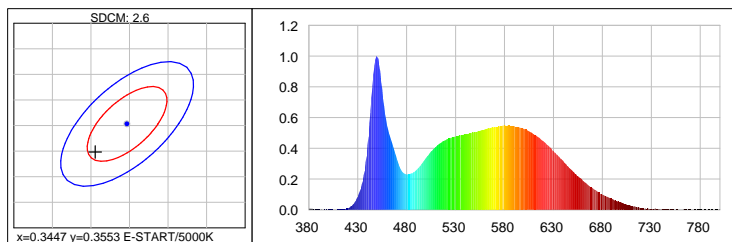
CIE Colorimetric Parameters  
Chromaticity coordinates:  $x=0.4318$   $y=0.4026$   $u(u')=0.2479$   $v=0.3467$   $v'=0.5200$   
CCT:  $T_c=3075K$  ( $duv=0.00012$ ) CRI:  $R_a=84.9$  Color Ratio:  $R=0.229$   $G=0.739$   $B=0.032$

### Neutral white 4000K 3SDCM



CIE Colorimetric Parameters  
Chromaticity coordinates:  $x=0.3846$   $y=0.3847$   $u(u')=0.2247$   $v=0.3371$   $v'=0.5056$   
CCT:  $T_c=3947K$  ( $duv=0.00246$ ) CRI:  $R_a=84.5$  Color Ratio:  $R=0.186$   $G=0.777$   $B=0.037$

## Cool white 5000K 3SDCM



### Photometric Parameters

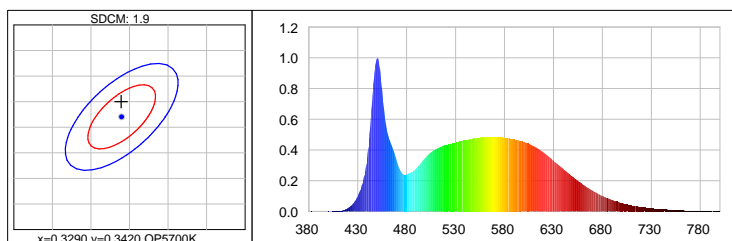
EEL: 0.15 Energy Efficiency Class: A+ (EU 874-2012)

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3406$   $y=0.3498$   $u(u')=0.2090$   $v=0.3221$   $v'=0.4831$

CCT:  $T_c=5172K$  ( $duv=0.00096$ ) CRI:  $R_a=85.4$  Color Ratio:  $R=0.156$   $G=0.797$   $B=0.047$

## Cool white 5700K 3SDCM



### Photometric Parameters

EEL: 0.14

Energy Efficiency Class: A+ (EU 874-2012)

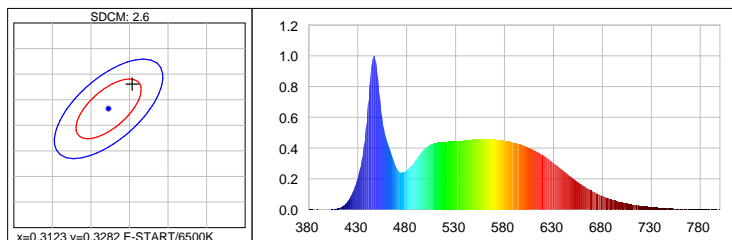
### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3289$   $y=0.3450$

$u(u')=0.2030$   $v=0.3193$   $v'=0.4790$

CCT:  $T_c=5654K$  ( $duv=0.00356$ ) CRI:  $R_a=86.6$  Color Ratio:  $R=0.147$   $G=0.800$   $B=0.053$

## Cool white 6500K 3SDCM



### Photometric Parameters

EEL: 0.15

Energy Efficiency Class: A+ (EU 874-2012)

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3154$   $y=0.3330$   $u(u')=0.1982$   $v=0.3139$   $v'=0.4709$

CCT:  $T_c=6338K$  ( $duv=0.00393$ ) CRI:  $R_a=87.4$  Color Ratio:  $R=0.140$   $G=0.803$   $B=0.057$

## Options

### Cover type



Clear



Frost

**XXYYZZ** - The last six digits are additional options.

**XX** - Bar body finishing.


Natural Aluminum  
XX=01

White Aluminum  
XX=02

Brown Aluminum  
XX=03

Polycarbonate  
XX=81

**YY** - Bar connection.


Top Input cable  
YY=01

Male connector input - 1C2P  
YY=04

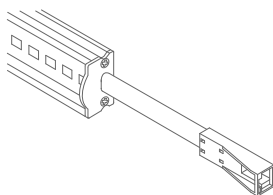
Male connector input female connector output -  
2C2P  
YY=06

Top Input cable output connector - 1C2P+STopo  
YY=08

ZZ - Cable type.



Without connector  
ZZ=00



ASQC2 Connector  
ZZ=27



DCJ Connector  
ZZ=41

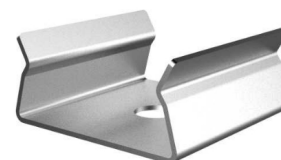
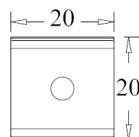
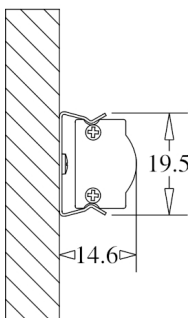


DC24 Connector  
ZZ=46

## Fixture option



Unit of measurement: mm  
180° CLIP W/ 45° BASE Cod: 8400035115



Unit of measurement: mm  
180 ° FIX CLIP Cod: 8400035111



Unit of measurement: mm  
45 ° FIX CLIP Cod: 8400035112



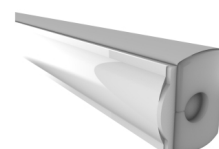
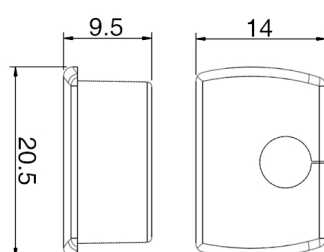
Unit of measurement: mm  
ROTATING CLIP Cod: 8400035114



Unit of measurement: mm  
180 ° PVC SUPPORT  
TYPE: 180°



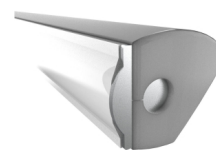
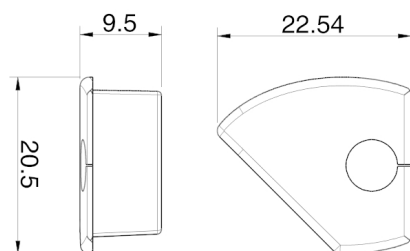
Unit of measurement: mm  
180 ° PVC SUPPORT SILICONE CAP WHITHOUT HOLE  
COLOR CODES AVAIALE: BR: 8400033071 || CZ: 8400033081



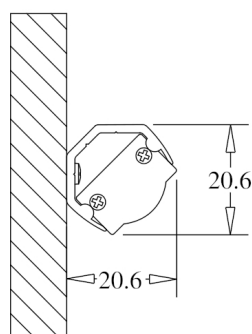
Unit of measurement: mm  
180 ° PVC SUPPORT SILICONE CAP WITH HOLE  
COLOR CODES AVAIALE: BR: 8400033072 || CZ: 8400033082



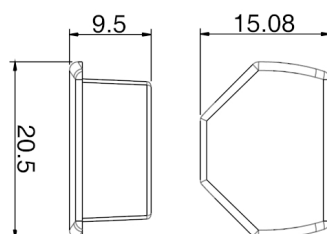
Unit of measurement: mm  
45 ° PVC SUPPORT  
TYPE: 45°



Unit of measurement: mm  
 45 ° PVC SUPPORT SILICONE CAP WITH HOLE  
 COLOR CODES AVAIALE: BR Right: 8400033076 || CZ Right: 8400033086 || BR Left: 8400033075 || CZ Left: 8400033085

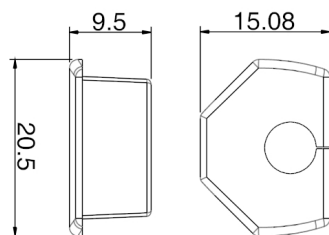


Unit of measurement: mm  
 CORNER PVC SUPPORT  
 TYPE: CORNER



Unit of measurement: mm  
 CORNER PVC SUPPORT SILICONE CAP  
 COLOR CODES AVAIALE: BR: 8400033073 || CZ: 8400033083

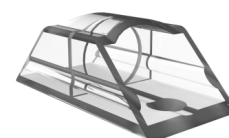
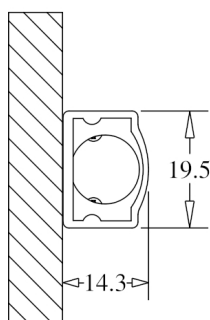




Unit of measurement: mm  
 CORNER PVC SUPPORT SILICONE CAP  
 COLOR CODES AVAILABLE: BR: 8400033074 || CZ: 8400033084



Unit of measurement: mm  
 180° FIXATION CLIP - POLYCARBONATE Cod: 8400035117



Unit of measurement: mm  
 FIXATION SUPPORT - POLYCARBONATE Cod: 8400035119