

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	504 mA
Power	12 ± 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	144 - SMD
Working Temp.	-20 to 40 °C
Isolation	Class III
Protection degree	IP42
Lumen maintenance	LM80 (Report available: LM-80 9000hrs)
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
11090032111 XXYYZZ	LLED Barra 24V 90 WW303 HE Clear	1476	123	3045 ± 84	Warm	80	Clear
11090034111 XXYYZZ	LLED Barra 24V 90 NW403 HE Clear	1544	129	3986 ± 144	Neutral	80	Clear
11090024111 XXYYZZ	LLED Barra 24V 90 NW403 Clear	1473	123	3986 ± 144	Neutral	80	Clear
11090025111 XXYYZZ	LLED Barra 24V 90 CW503 Clear	1473	123	5029 ± 186	Cool	80	Clear
11090036111 XXYYZZ	LLED Barra 24V 90 CW573 HE Clear	1544	129	5668 ± 207	Cool	80	Clear
11090027111 XXYYZZ	LLED Barra 24V 90 CW653 Clear	1473	123	6536 ± 279	Cool	80	Clear
11090032112 XXYYZZ	LLED Barra 24V 90 WW303 HE Frost	1267	106	3045 ± 84	Warm	80	Frost
11090034112 XXYYZZ	LLED Barra 24V 90 NW403 HE Frost	1326	110	3986 ± 144	Neutral	80	Frost
11090024112 XXYYZZ	LLED Barra 24V 90 NW403 Frost	1205	100	3986 ± 144	Neutral	80	Frost
11090025112 XXYYZZ	LLED Barra 24V 90 CW503 Frost	1205	100	5029 ± 186	Cool	80	Frost
11090036112 XXYYZZ	LLED Barra 24V 90 CW573 HE Frost	1326	110	5668 ± 207	Cool	80	Frost
11090027112 XXYYZZ	LLED Barra 24V 90 CW653 Frost	1205	100	6536 ± 279	Cool	80	Frost

* Luminous flux ± 7.5%

* Other color temperatures available upon request



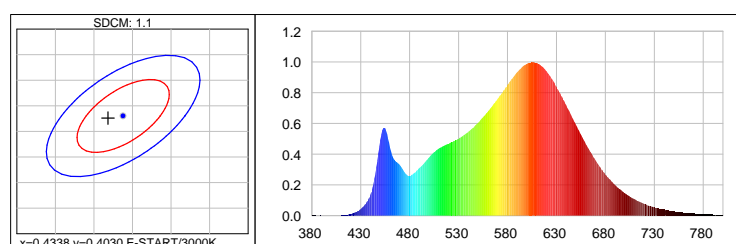
Dimensions



A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
15	12	20	17	919	935	904

Photometric Data

Warm white 3000K 3SDCM



$x=0.4338$ $y=0.4030$ E-START/3000K

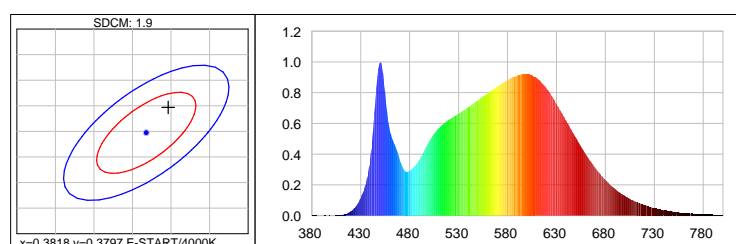
Photometric Parameters
EEL: 0.14

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

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



$x=0.3818$ $y=0.3797$ E-START/4000K

Photometric Parameters
EEL: 0.13

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

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: $x=0.3289$ $y=0.3450$

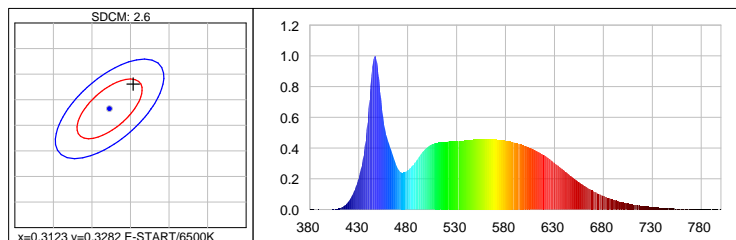
$u(u')=0.2030$ $v=0.3193$ $v'=0.4790$

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

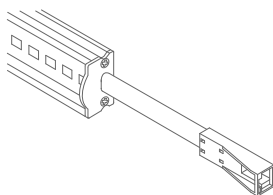
Male connector input female connector output -
2C2P
YY=06

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

ZZ - Cable type.



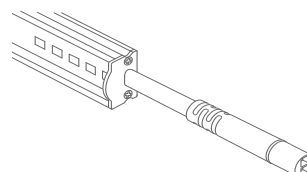
Without connector
ZZ=00



ASQC2 Connector
ZZ=27



DCJ Connector
ZZ=41

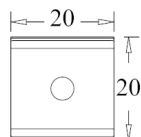
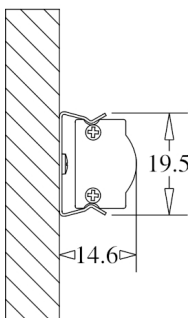


DC24 Connector
ZZ=46

Fixture option



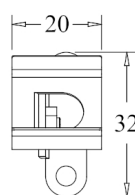
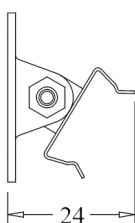
Unit of measurement: mm
180° CLIP W/ 45° BASE Cod: 8400035115



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



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



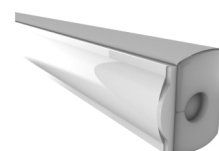
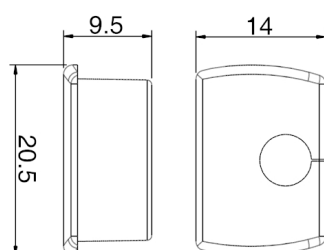
Unit of measurement: mm
ROTATING CLIP Cod: 8400035114



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



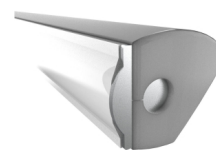
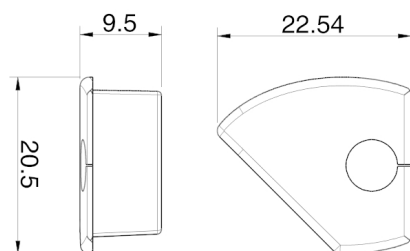
Unit of measurement: mm
180 ° PVC SUPPORT SILICONE CAP WHITHOUT HOLE
COLOR CODES AVAIALE: BR: 8400033071 || CZ: 8400033081



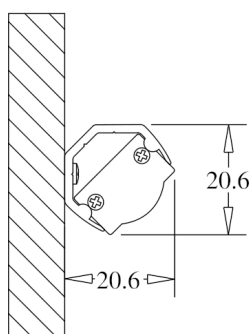
Unit of measurement: mm
180 ° PVC SUPPORT SILICONE CAP WITH HOLE
COLOR CODES AVAIALE: BR: 8400033072 || CZ: 8400033082



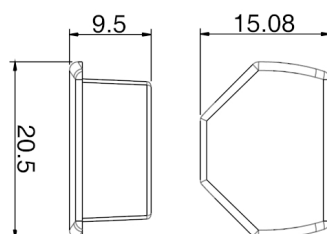
Unit of measurement: mm
45 ° PVC SUPPORT
TYPE: 45°



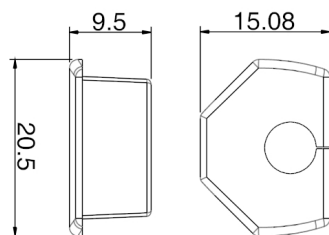
Unit of measurement: mm
 45 ° PVC SUPPORT SILICONE CAP WITH HOLE
 COLOR CODES AVAILABLE: BR Right: 8400033076 || CZ Right: 8400033086 || BR Left: 8400033075 || CZ Left: 8400033085



Unit of measurement: mm
 CORNER PVC SUPPORT
 TYPE: CORNER



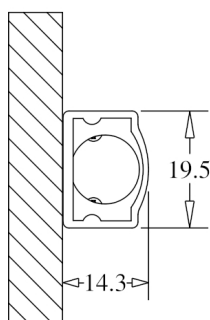
Unit of measurement: mm
 CORNER PVC SUPPORT SILICONE CAP
 COLOR CODES AVAILABLE: BR: 8400033073 || CZ: 8400033083



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