

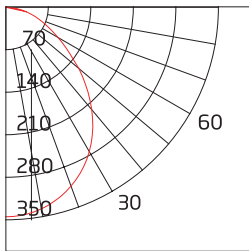


# TLX 16



MARINE LED SOLUTIONS

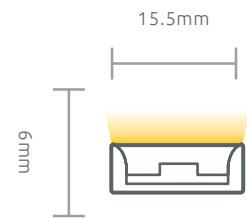
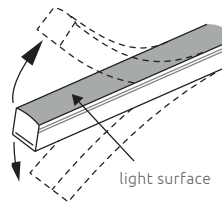
# TLX16 SILICONE



UNIT: cd  
— C90/270

AVERAGE BEAM ANGLE  
(50%): 154.9°

Vertical bending, Wave



Bending-extreme  
1248 times



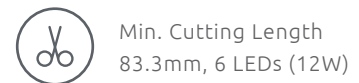
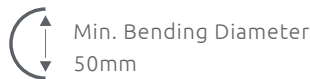
Tensile-instantaneous  
>60kg.f



Twist-extreme  
3469 times

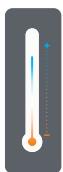


**Warning: Extreme Destructive Tests in laboratory only, and it's forbidden to operate in practice.**



**NOTE:**

1. The illuminated light length shall be an integral multiple of min. cutting length.
2. The waterproof reliability of the lighting fixture depends on the IP rating of connector, and please make sure connector is properly assembled before installation. The highest IP rating we can achieve is IP67.



Ambient Working Temperature  
12W/m -40 ~ 55°C / -40~131°F



Ambient Installation Temperature  
-40 ~ 50°C / -40~122°F



Storage Temperature  
-40 ~ 60°C / -40~140°F



Max. Mounting Surface Temperature  
85°C / 185°F



Constant Voltage  
DC24V

**\*TLX15 can be customized to your specifications with custom lengths, color temperature and CRI rating.**








## ELECTRICAL PARAMETERS

Voltage (V)	DC24V
Current (mA/m)	500.0
Power (W/m)	12 <i>6W available on request</i>
Circuit Type	CC
LED Type	2835
LEDs Qty/m	72
LEDs Qty/unit	6
Unit/m	12
Min. Cutting Length (mm)	83.3

## OPTICAL PARAMETERS

*\*CRI 95 available on request*

	FINISHED PRODUCT						LED	
	CCT	CCT Tolerance	Color Tolerance	CRI	Power	Lumen/m	Color Tolerance	CRI
VERTICAL BENDING	 2200K	2238±66K	<5SDCM	80	12W/m	350lm	<2.3SDCM	82~87
VERTICAL BENDING	 2700K	2725±85K	<5SDCM	90	12W/m	320lm	<2.3SDCM	91~97
VERTICAL BENDING	 3000K	3045±105K	<5SDCM	90	12W/m	360lm	<2.3SDCM	91~97
VERTICAL BENDING	 3500K	3465±245K	<5SDCM	90	12W/m	360lm	<2.3SDCM	91~97
VERTICAL BENDING	 4000K	3985±150K	<5SDCM	90	12W/m	360lm	<2.3SDCM	91~97

## MAX. RUNNING LENGTHS Input: DC24V

CONNECTOR TYPE	SINGLE-END FEED	DOUBLE-END FEED
Siicone Injection-moulded Connector (IP67)	15m	30m



# TLX16 PRODUCT LIST

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## TLX16 SILICONE – STANDARD CUTTING

TLX Code	CCT	CCT tolerance	Bend	CRI	Lumen/m	Power	Leds/m	Voltage	Cutting mm
50.02.1500	2200K	2238±66K	VB	>80	350lm	12W/m	72	DC24V	83.3mm
50.02.1502	2700K	2725±85K	VB	>90	320lm	12W/m	72	DC24V	83.3mm
50.02.1503	3000K	3045±105K	VB	>90	360lm	12W/m	72	DC24V	83.3mm
50.02.1504	3000K	3045±105K	VB	>90	360lm	12W/m	72	DC24V	83.3mm

*'We know Totallux as a reliable partner. They are flexible and think along with the customer's wishes. Totallux is also very service oriented. They are always willing to custom-make products. It's not hard to see why architects choose Totallux because of reliable and high-quality products.'*

**Senior Electrical Engineer**  
Dutch Shipyards

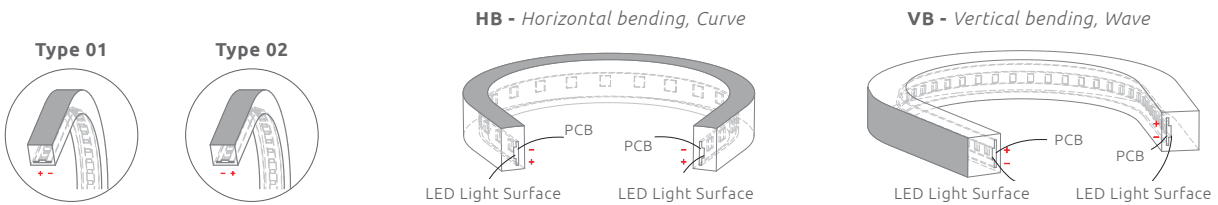


# TLX16

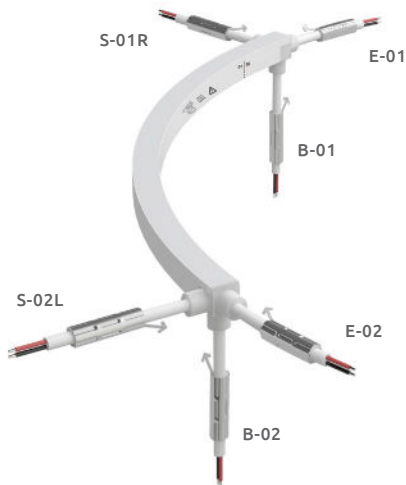
## CONNECTORS & ENDCAPS

### TYPE 01 OR TYPE 02

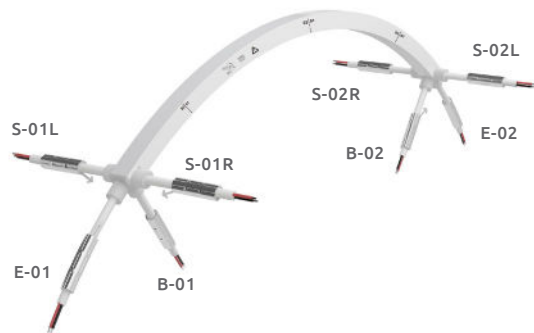
There are 01 and 02 marks on the Flexlines and Field Assembled Connectors. Since the PCB is not centralized and pins are separated for positive and negative, the 01-pin connector can only fit into 01 end marks on the Flexline. Likewise for the 02-pin connector.




#### HORIZONTAL BENDING




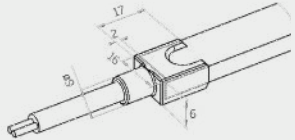
#### VERTICAL BENDING




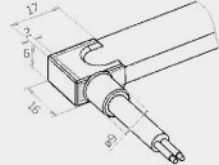
# INJECTION MOULDED CONNECTOR (SILICONE IP67)




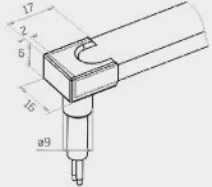
**Type** Front Connector – END  
**Code** E01 | E02



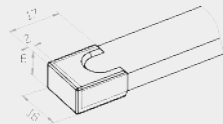
**Type** Front Connector – SIDE  
**Code** S01 | S02




**Type** Front Connector – BOTTOM  
**Code** B01 | B02



**Type** End Cap  
**Code** EC

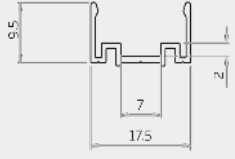


# TLX16 MOUNTING PROFILE



**50.16.0434**  
Aluminium Profile – 1000mm

**50.16.0443**  
Aluminium Profile – 2000mm



Tolerance(AL): ±0.2mm





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