



TLX 10



MARINE LED SOLUTIONS

TLX10 SHORTCUTTING



MIN. CUTTING LENGTH
27.78mm
6 LEDs



Flame Resistant



UV Resistant



Solvents Resistant



Saltwater Resistant



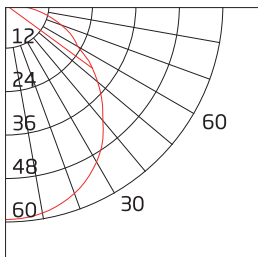
IP67 Protection



Dimmable



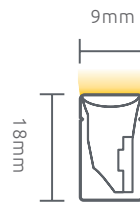
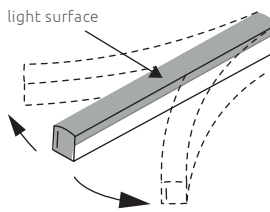
IK08 Protection



UNIT: cd
— C90/270

AVERAGE BEAM ANGLE
(50%): 108.8°

Horizontal bending, Curve



Bending-extreme
1870 times



Tensile-instantaneous
>40kg.f



Twist-extreme
4025 times

***Only in
Horizontal
Bending**

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



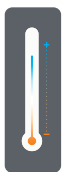
Min. Bending Diameter
90mm



Min. Cutting Length
27.78mm, 6 LEDs

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
≤4.5W/m -40 ~55°C
/-40~113°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

***TLX10 can be customized to your specifications with custom lengths, color temperature and CRI rating.**



ELECTRICAL PARAMETERS

Voltage (V)	DC24V
Current (mA/m)	187.5
Power (W/m)	4.5
Circuit Type	CV
LED Type	2835
LEDs Qty/m	72
LEDs Qty/unit	2
Unit/m	36
Min. Cutting Length (mm)	27,78



OPTICAL PARAMETERS

**CRI 95 available on request*

	FINISHED PRODUCT						LED	
	CCT	CCT Tolerance	Color Tolerance	CRI	Power	Lumen/m	Color Tolerance	CRI
HORIZONTAL BENDING	● 2700K	2725±145K	<5SDCM	90	4.5W/m	105lm	<2.3SDCM	91~97
HORIZONTAL BENDING	● 3000K	3045±175K	<5SDCM	90	4.5W/m	105lm	<2.3SDCM	91~97
HORIZONTAL BENDING	● 4000K	3985±275K	<5SDCM	90	4.5W/m	105lm	<2.3SDCM	91~97

MAX. RUNNING LENGTHS

CONNECTOR TYPE	SINGLE-END FEED	DOUBLE-END FEED
Swivel Connector (IP20)	15m	30m
Snap Connector (IP67)	30m	60m
Silicone Injection-moulded Connector (IP68)	30m	60m

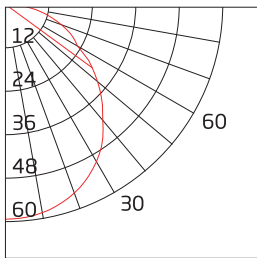
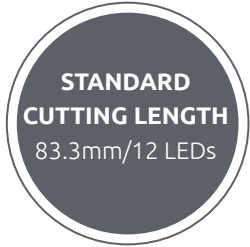


TLX10 SILICONE



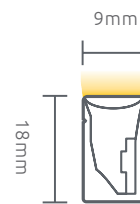
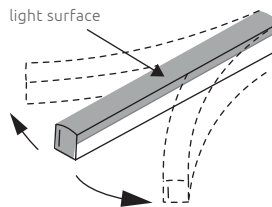
***Also available in PVC**

See pg 28-29 for full product list



AVERAGE BEAM ANGLE (50%): 108.8°

Horizontal bending, Curve



Bending-extreme
1870 times

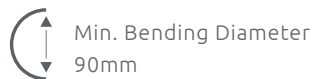


Tensile-instantaneous
>40kg.f



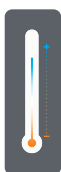
Twist-extreme
4025 times

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
≤4.5W/m -40 ~55°C
/-40~113°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

***TLX10 can be customized to your specifications with custom lengths, color temperature and CRI rating.**








ELECTRICAL PARAMETERS

Voltage (V)	DC24V	<i>*12V available on request</i>
Current (mA/m)	187.5	
Power (W/m)	4.5	
Circuit Type	CV	
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
HORIZONTAL BENDING 	2200K	2238±102K	<5SDCM	80	4.5W/m	110lm	<2.3SDCM	82~87
HORIZONTAL BENDING 	2700K	2725±145K	<5SDCM	90	4.5W/m	105lm	<2.3SDCM	91~97
HORIZONTAL BENDING 	3000K	3045±175K	<5SDCM	90	4.5W/m	105lm	<2.3SDCM	91~97
HORIZONTAL BENDING 	3500K	3465±245K	<5SDCM	90	4.5W/m	105lm	<2.3SDCM	91~97
HORIZONTAL BENDING 	4000K	3985±275K	<5SDCM	90	4.5W/m	105lm	<2.3SDCM	91~97

MAX. RUNNING LENGTHS

CONNECTOR TYPE	SINGLE-END FEED	DOUBLE-END FEED
Swivel Connector (IP20)	15m	30m
Snap Connector (IP67)	30m	60m
Silicone Injection-moulded Connector (IP68)	30m	60m



TLX10 PRODUCT LIST

TLX10 SILICONE – SHORTCUTTING



TLX Code	CCT	CCT tolerance	Bend	CRI	Lumen/m	Power	Leds/m	Voltage	Cutting mm
50.02.1407	2200K	2238±102K	HB	>90	105lm	4.5W/m	72	DC24V	27.78mm
50.02.1408	2700K	2725±145K	HB	>90	105lm	4.5W/m	72	DC24V	27.78mm
50.02.1409	3000K	3045±175K	HB	>90	105lm	4.5W/m	72	DC24V	27.78mm
50.02.1410	3500K	3465±245K	HB	>90	105lm	4.5W/m	72	DC24V	27.78mm
50.02.1411	4000K	3985±275K	HB	>90	105lm	4.5W/m	72	DC24V	27.78mm

TLX10 SILICONE – STANDARD CUTTING

TLX Code	CCT	CCT tolerance	Bend	CRI	Lumen/m	Power	Leds/m	Voltage	Cutting mm
50.02.1401	2200K	2238±102K	HB	>80	110lm	4.5W/m	72	DC24V	83.3mm
50.02.1402	2700K	2725±145K	HB	>90	105lm	4.5W/m	72	DC24V	83.3mm
50.02.1403	3000K	3045±175K	HB	>90	105lm	4.5W/m	72	DC24V	83.3mm
50.02.1404	3500K	3465±245K	HB	>90	105lm	4.5W/m	72	DC24V	83.3mm
50.02.1406	4000K	3985±275K	HB	>90	105lm	4.5W/m	72	DC24V	83.3mm
50.02.1425	RED	–	HB	–	>50lm	3.5W/m	72	DC24V	125mm

TLX10 PVC – STANDARD CUTTING

TLX Code	CCT	CCT tolerance	Bend	CRI	Lumen/m	Power	Leds/m	Voltage	Cutting mm
50.02.0532	2200K	2238±102K	HB	>80	110lm	4.5W/m	72	DC24V	83.3mm
50.02.0511	2700K	2725±145K	HB	>90	105lm	4.5W/m	72	DC24V	83.3mm
50.02.0505	3000K	3045±175K	HB	>90	105lm	4.5W/m	72	DC24V	83.3mm
50.02.0510	3500K	3465±245K	HB	>90	105lm	4.5W/m	72	DC24V	83.3mm
50.02.0506	4000K	3985±275K	HB	>90	105lm	4.5W/m	72	DC24V	83.3mm
50.02.0530	RED	–	HB	–	>50lm	3.5W/m	72	DC24V	83.3mm
50.02.0531	RED	–	HB	–	>50lm	4.5W/m	72	DC24V	83.3mm

*TLX10 can be customized to your specifications with custom lengths, color temperature and CRI rating.

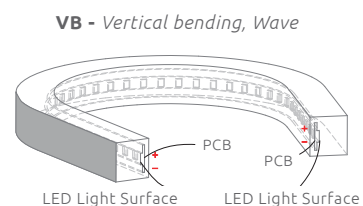
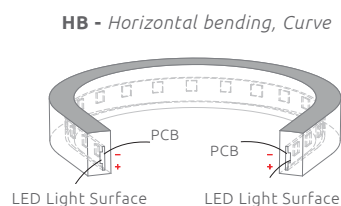
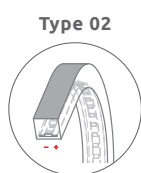
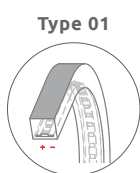


TLX10



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.



SWIVEL CONNECTOR (IP20) — D.I.Y

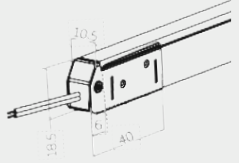
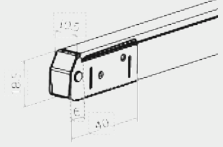
50.15.0605
HB SWIVEL connector, Top End, type 1, 30cm cable

50.15.0606
HB SWIVEL connector, Top End, type 2, 30cm cable



50.15.0607
HB SWIVEL connector, Top End, type 1, 100cm cable

50.15.0608
HB SWIVEL connector, Top End, type 2, 100cm cable

50.15.0615
SWIVEL connector, Endcap

SNAP CONNECTOR (IP67) — D.I.Y

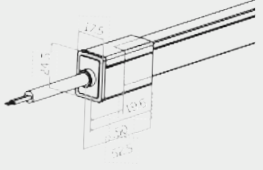
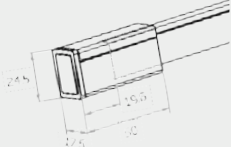



50.16.0510
HB SNAP connector, Top End, Type 1, 30cm cable

50.16.0511
HB SNAP connector, Top End, Type 2, 30cm cable

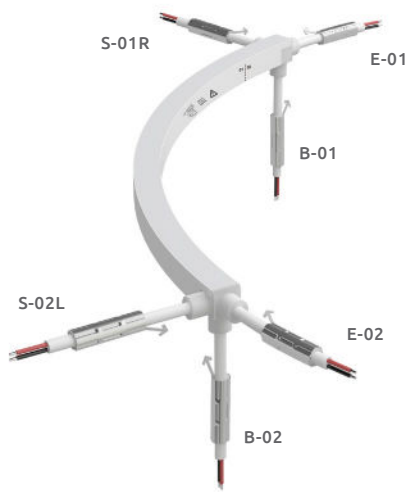
50.16.0515
HB SNAP connector, End Cap, Type 1

50.16.0516
HB SNAP connector, End Cap, Type 2

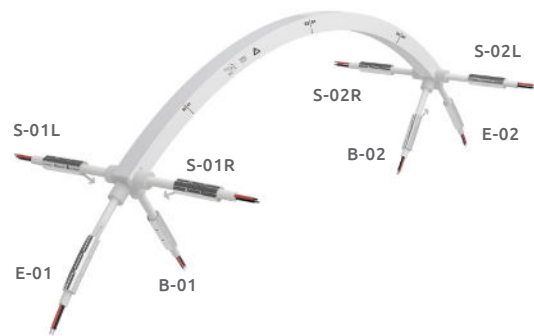





HORIZONTAL BENDING



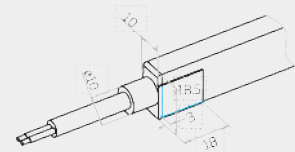
VERTICAL BENDING



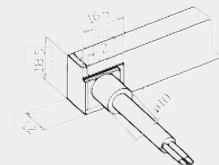
INJECTION MOULDED CONNECTOR (SILICONE IP68 / PVC IP67)



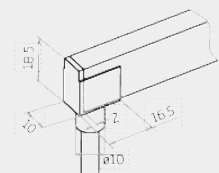
Type Front Connector – END
Code E01 | E02



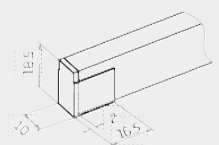
Type Front Connector – SIDE
Code S01 | S02



Type Front Connector – BOTTOM
Code B01 | B02



Type End Cap
Code EC



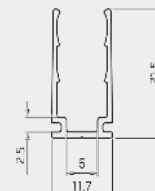
TLX10

MOUNTING PROFILES



50.16.0424
Aluminium Profile – 1000mm

50.16.0417
Aluminium Profile – 2000mm

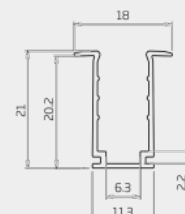


Tolerance: $\pm 0.2\text{mm}$



50.16.0418
Flange Aluminium Profile – 1000mm

50.16.0419
Flange Aluminium Profile – 2000mm

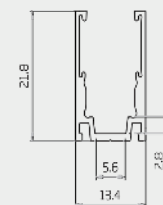


Tolerance: $\pm 0.2\text{mm}$



50.16.0837
Serrated Aluminium Profile – 1000mm

50.16.0838
Serrated Aluminium Profile – 2000mm

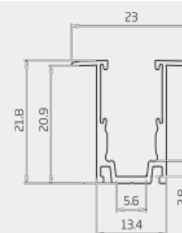


Tolerance: $\pm 0.2\text{mm}$

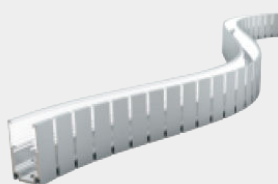


50.16.0835
Flange Serrated Aluminium Profile – 1000mm

50.16.0836
Flange Serrated Aluminium Profile – 2000mm

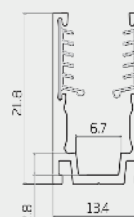


Tolerance: $\pm 0.2\text{mm}$



50.16.0840
Bendable Serrated Aluminium Profile – 500mm

50.16.0841
Bendable Serrated Aluminium Profile – 1000mm



Tolerance: $\pm 0.2\text{mm}$





Annie M.G. Schmidweg 227/229 | 1321 NA | Almere
+31 (0)36 529 1756 | info@totallux.nl



WWW.TOTALLUX.COM