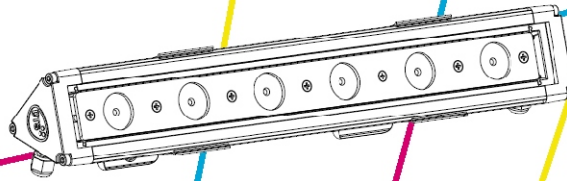
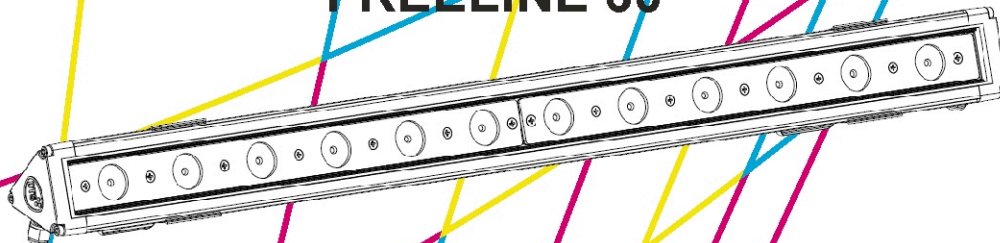


FREELINE

FREELINE 30



FREELINE 60



FREELINE 90



User's Manual rel 1.1 **GB**

D.T.S. Illuminazione s.r.l. - ITALY
<http://www.dts-lighting.it>



The Lighting Company

Made in Italy

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FREELINE 30

D.T.S. Product Codes:

03.LB022.26.W10	FREELINE 30 WHITE 3000K Spot lenses Grey Silver finishing
03.LB022.26.W25	FREELINE 30 WHITE 3000K Medium flood lenses Grey Silver finishing
03.LB022.26.W40	FREELINE 30 WHITE 3000K Wide flood lenses Grey Silver finishing
03.LFB004E21WB02	FREELINE 30 WHITE 3000K 58° lenses Grey Silver finishing
03.LFB004E21WB03	FREELINE 30 WHITE 3000K 77° lenses Grey Silver finishing
03.LFB004E21WBE3	FREELINE 30 WHITE 3000K 15° x 40° lenses Grey Silver finishing

LED technology

6 x 3000K WHITE LEDs; 768 Lumens @ 350mA, 948 Lumens @ 500mA
LEDs average lifespan: 75.000 hours (70% lumen output)

Optical units

6 lenses sets available (Spot, Medium flood, Wide flood, 58°, 77°, 15° x 40°)

Control

ON-OFF or DALI

Protection

IP65 protection level against the penetration of solids and liquids

Construction

FREELINE 30 is made on extruded aluminium

Power supply

350mA, 500mA or 700mA Max Constant current LED PSU or DALI PSU
Electronic full-range 90-260Vac 50-60 Hz

Power consumption

Max 6W @ 350mA; Max 9W @ 500mA; Max 12,6W @ 700mA

Connections

2x0,75 sq mm cable

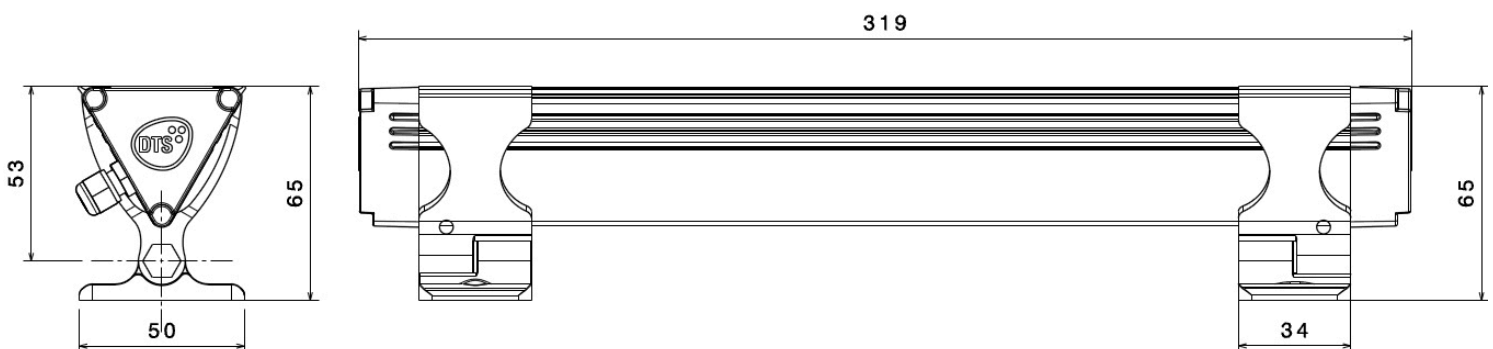
Operating ambient temperature

-10° / 40°

Weight

0,65 Kg

Dimensions



FREELINE 60

D.T.S. Product Codes:

03.LB023.26.W10	FREELINE 60 WHITE 3000K Spot lenses Grey Silver finishing
03.LB023.26.W25	FREELINE 60 WHITE 3000K Medium flood lenses Grey Silver finishing
03.LB023.26.W40	FREELINE 60 WHITE 3000K Wide flood lenses Grey Silver finishing
03.LFB005E21WB02	FREELINE 60 WHITE 3000K 58° lenses Grey Silver finishing
03.LFB005E21WB03	FREELINE 60 WHITE 3000K 77° lenses Grey Silver finishing
03.LFB005E21WBE3	FREELINE 60 WHITE 3000K 15° x 40° lenses Grey Silver finishing

LED technology

12 x 3000K WHITE LEDs; 1536 Lumens @ 350mA, 1896 Lumens @ 500mA
LEDs average lifespan: 75.000 hours (70% lumen output)

Optical units

6 lenses sets available (Spot, Medium flood, Wide flood, 58°, 77°, 15° x 40°)

Control

ON-OFF or DALI

Protection

IP65 protection level against the penetration of solids and liquids

Construction

FREELINE 60 is made on extruded aluminium

Power supply

350mA, 500mA or 700mA Max Constant current LED PSU or DALI PSU
Electronic full-range 90-260Vac 50-60 Hz

Power consumption

Max 12W @ 350mA; Max 18W @ 500mA; 25,2W @ 700mA

Connections

2x0,75 sq mm cable

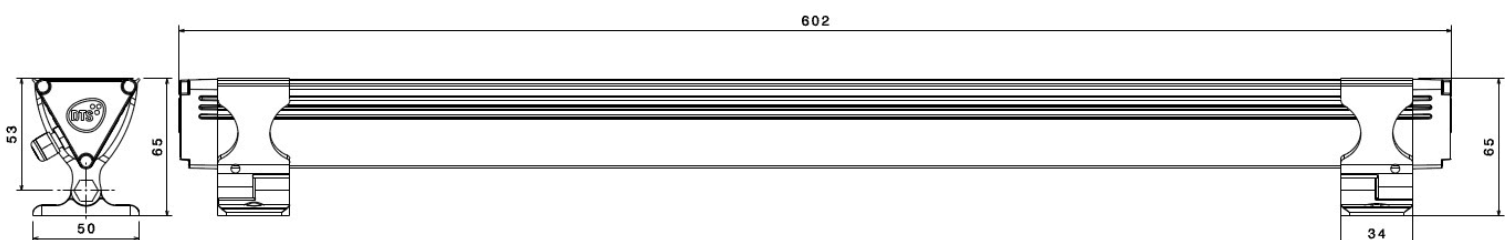
Operating ambient temperature

-10° / 40°

Weight

1,18 Kg

Dimensions



FREELINE 90

D.T.S. Product Codes:

03.LB024.26.W10	FREELINE 90 WHITE 3000K Spot lenses Grey Silver finishing
03.LB024.26.W25	FREELINE 90 WHITE 3000K Medium flood lenses Grey Silver finishing
03.LB024.26.W40	FREELINE 90 WHITE 3000K Wide flood lenses Grey Silver finishing
03.LFB006E21WB02	FREELINE 90 WHITE 3000K 58° lenses Grey Silver finishing
03.LFB006E21WB03	FREELINE 90 WHITE 3000K 77° lenses Grey Silver finishing
03.LFB006E21WBE3	FREELINE 90 WHITE 3000K 15° x 40° lenses Grey Silver finishing

LED technology

18 x 3000K WHITE LEDs (3 x 6 LEDs strips parallel wired)
 2304 Lumens @ 350mA, 2844 Lumens @ 500mA
 LEDs average lifespan: 75.000 hours (70% lumen output)

Optical units

6 lenses sets available (Spot, Medium flood, Wide flood, 58°, 77°, 15° x 40°)

Control

ON-OFF or DALI

Protection

IP65 protection level against the penetration of solids and liquids

Construction

FREELINE 90 is made on extruded aluminium

Power supply

1050mA Constant current LED PUS for control @ 350mA
 1400mA Constant current LED PSU for control @ 500mA
 1900mA Constant current LED PSU for control @ 700mA
 DALI PSU
 Electronic full-range 90-260Vac 50-60 Hz

Power consumption

Max 18W @ 350mA; Max 27W @ 500mA; 37,8W @ 700mA

Connections

2x0,75 sq mm cable

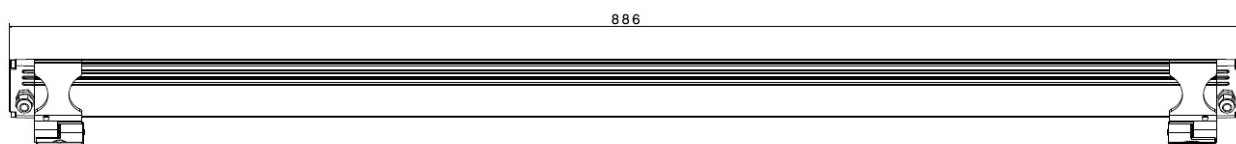
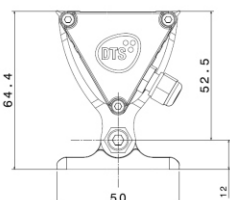
Operating ambient temperature

-10° / 40°

Weight

1,70 Kg

Dimensions



ACCESSORIES

- 350mA Constant Current LED PSU (D.T.S. Code 0502T032.1)
- 500mA Constant Current LED PSU (D.T.S. Code 0502T047)
- 530mA Constant Current LED PSU (D.T.S. Code 0502T070)
- 700mA Constant Current LED PSU (D.T.S. Code 0502T031)
- 1050mA Constant Current LED PSU (D.T.S. Code 0502T046)
- 1400mA Constant Current LED PSU (D.T.S. Code 0502T050)
- 1900mA Constant Current LED PSU (D.T.S. Code 0502T065)
- 350mA/1400mA Dimmable DALI PSU (D.T.S. Code 0502T073)
- Flexible mounting bracket system for FREELINE 60 and 30 (2 pcs needed) (D.T.S. Code 0511C282)

IMPORTANT SAFETY INFORMATION

Fire prevention:

It is permissible to place the unit on normally flammable surfaces.

Suitable for mounting on normally flammable materials surfaces greater than 200°C with some combustion time lag.

Safety:

The external surface of the unit may exceed 50°C, never handle the unit until at least 5 minutes have elapsed since the unit was turned off.

Never install the unit in an enclosed area lacking sufficient air flow.

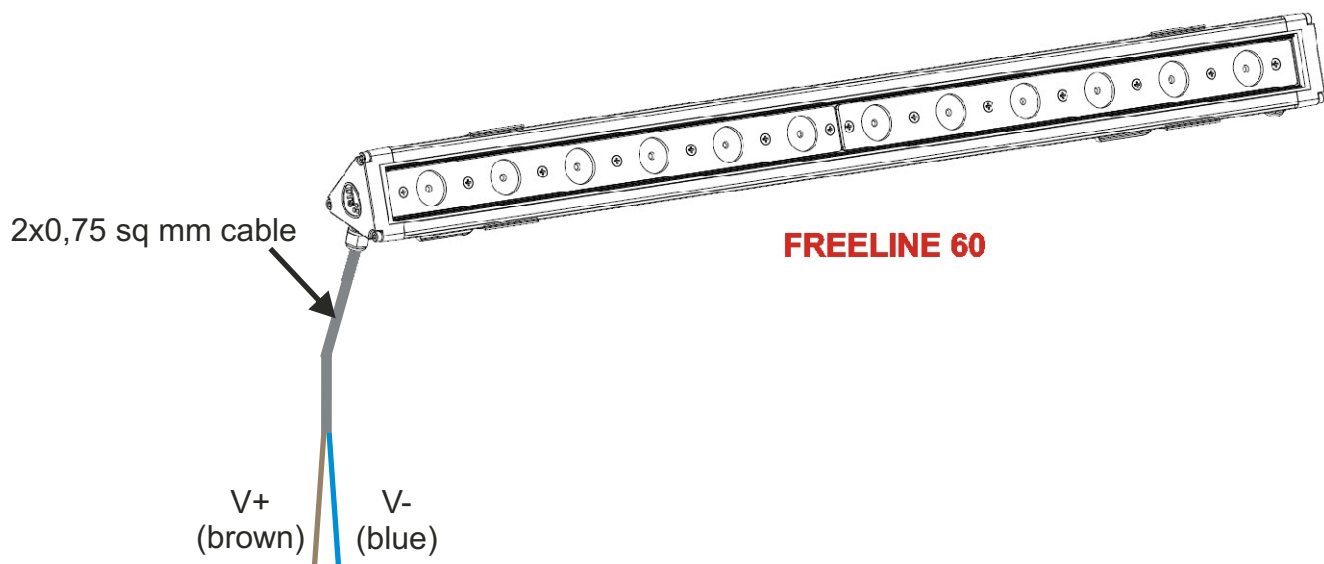
The ambient temperature should not exceed 40°C and should not be lower than -10°C.

WIRING DIAGRAM

FREELINE 30, FREELINE 60 and FREELINE 90 are provided with a 2x0,75 sq mm cable.

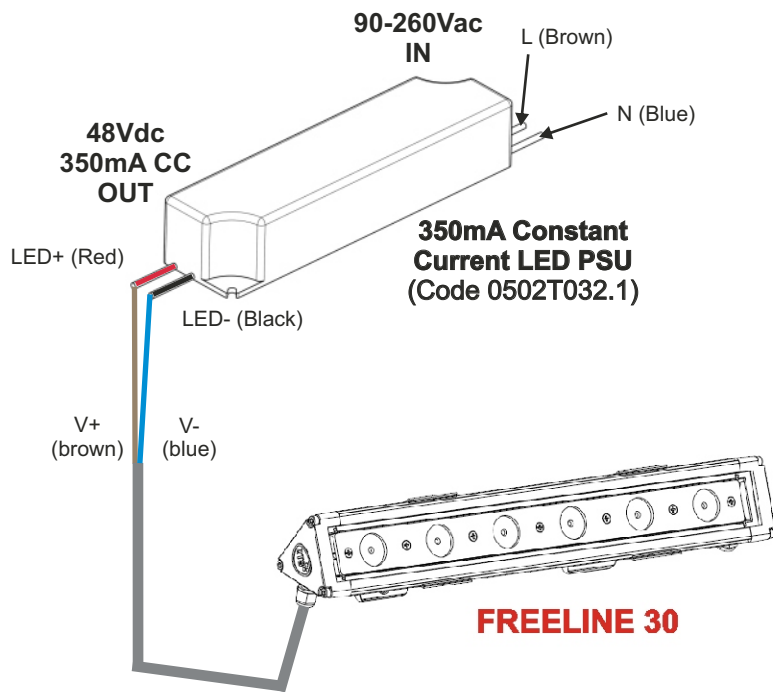
Brown cable = V+

Blue cable = V-



The maximum distance between power supply and the unit should not exceed 15 meters.

WIRING CONNECTIONS



IMPORTANT:

The maximum number of FREELINE 30 or FREELINE 60 connectable to a 350mA, 500mA or 700mA Constant current LED PSU is 1 piece.

The maximum number of FREELINE 90 connectable to a 1050mA, 1400mA or 1900mA Constant current LED PSU is 1 piece.

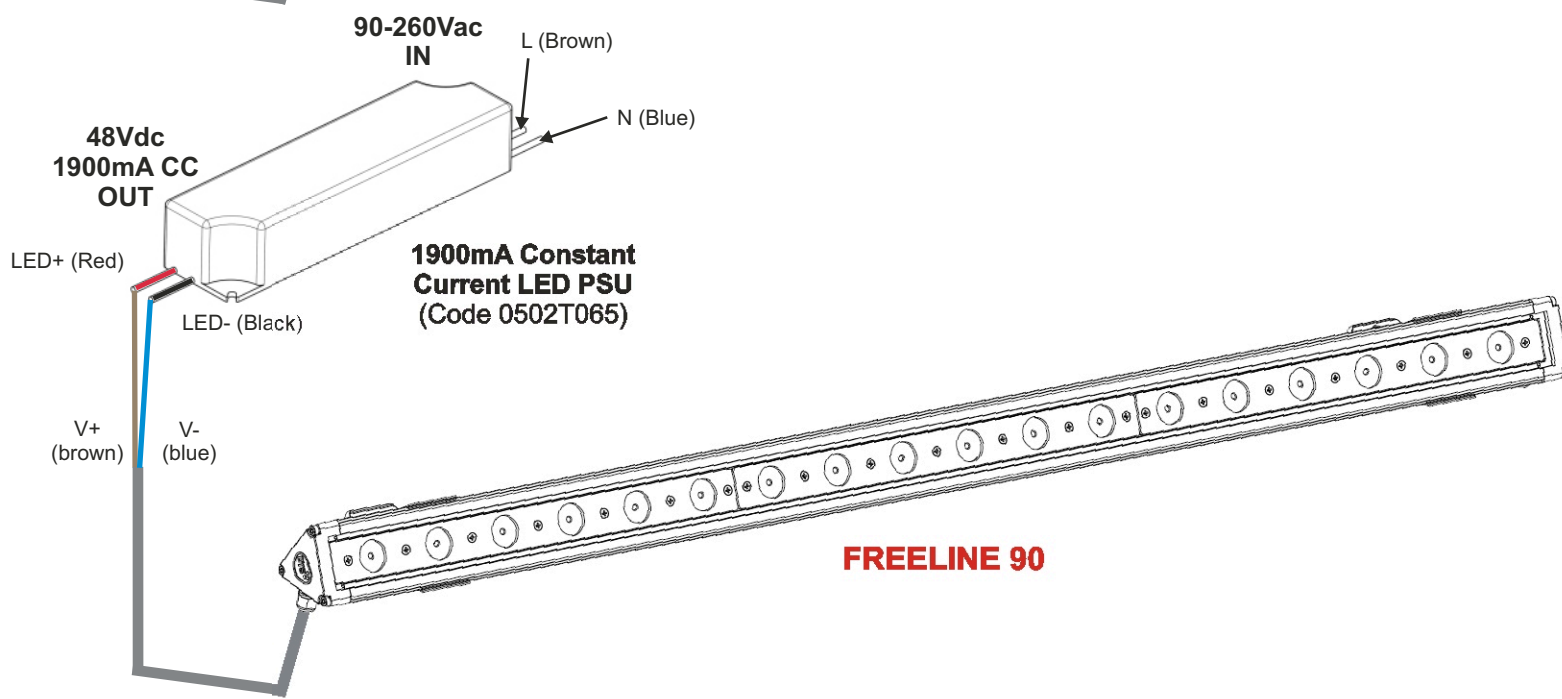
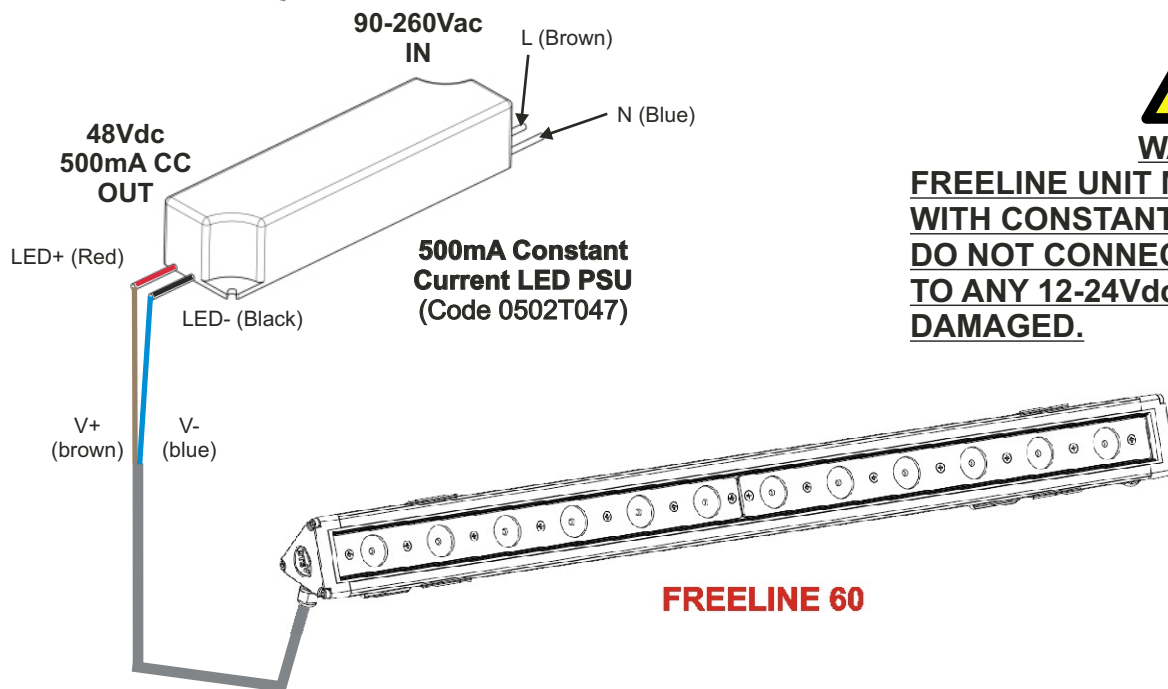
The maximum distance between the PSU and the FREELINE unit should not exceed 15 meters.

Never connect or disconnect a FREELINE Unit when the power supply is turned on.



WARNING:

FREELINE UNIT MUST BE DRIVEN ONLY WITH CONSTANT CURRENT PSU. DO NOT CONNECT THE FREELINE UNIT TO ANY 12-24Vdc PSU, IT WILL BE DAMAGED.



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MADE IN ITALY



The Lighting Company

ISO 9001:2008

D.T.S. quality system
is certified to the
ISO 9001:2008 standard



D.T.S. products are designed
and manufactured at the D.T.S.
plants in Italy



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