## Linear G18

Transform any environment into a captivating masterpiece with the power and efficiency of our Linear Luminaire. Elevate your lighting design and create dynamic environments that leave a lasting impression. Supplied on low voltage (24V) and utilizing an external driver, our fixture simplifies installation with just one cable (power supply + data, 5 poles). Enjoy seamless integration and hassle-free operation.
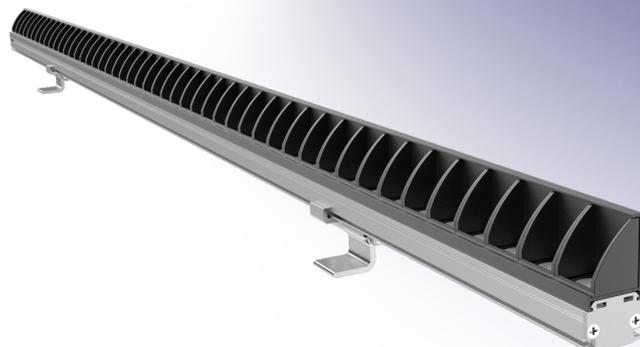
Key specifications

Voltage (V)	24V DC
Power Consumption (w/m)	18W
Luminous Flux (lm/m)	1630Lm (20° 3000K)
Color Range	RGBW | Single Color
Number of pixels (m)	4pix | 8pix
Channels (m)	16Ch | 24Ch
Control	DMX
Fixture Length (mm)	500 / 1000mm
CRI	≥80
Warranty	3 Years

CE   RoHS   IP67   IK08

Ordering information

Color Temp.	Beam Angle (RGBW)	Beam Angle (Single Color)	Accessories	Length	Qty
☐ RGBW3000K	☐ 20°	☐ 20°	☐ Glare shield	☐ 500mm	☐
☐ RGBW4000K	☐ 30°	☐ 25°		☐ 1000mm	
☐ 3000K	☐ 40°	☐ 40°			
☐ 4000K	☐ 25*40°	☐ 60°			
		☐ 25*45°			

Related Items

Input cable, Bare wire to Female
☐	M12 5pin Input cable 1m	3430115
☐	M12 5pin Input cable 2m	3430125
☐	M12 5pin Input cable 3m	3430135

Power cable
☐	M12 5Pin Power cable Single feed 1.5m	3430414

Extension cable, Male to Female
☐	M12 5pin Extension cable 1m	3430215
☐	M12 5pin Extension cable 2m	3430225
☐	M12 5pin Extension cable 3m	3430235

End cap
☐	M12 5Pin End cap	3430012

DiGidot C4 Live
☐	DiGidot C4 Live 4	20101
☐	DiGidot C4 Live 8	20102
☐	DiGidot C4 Live 12	20103
☐	DiGidot C4 Live 16	20104

DiGidot C4 Extended
☐	DiGidot C4 Extended 1	20201
☐	DiGidot C4 Extended 2	20202
☐	DiGidot C4 Extended 4	20203
☐	DiGidot C4 Extended 8	20204

DiGidot PxLNode
☐	DiGidot PxLNode U96	20820

DiGidot PxLNet Transmitter
☐	DiGidot PxLNet Transmitter	20342

Meanwell Power supply
☐	XLG-75-24	8343100
☐	XLG-100-24	8343300
☐	HLG-150-24	8440700
☐	HLG-240-24	8441600
☐	HLG-320-24	8442500

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Bromostraat 18-1   Info@oneeightyone.com
1067TG Amsterdam   +31 (0)20 8200 170
The Netherlands   @oneeightyonelighting

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General specifications

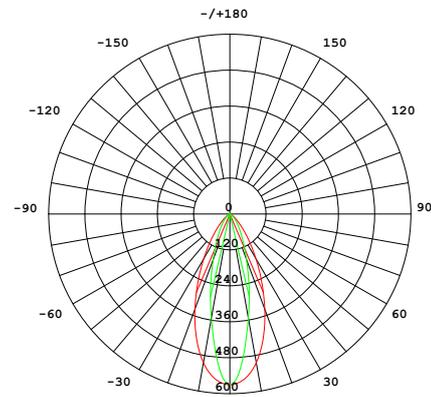|	
Operating Voltage	24V DC
Available Colors	RGBW | Single Color
Power Consumption	18 W/m
Channels p/m	16ch | 24ch
LEDs per Fixture	48 LEDs per fixture
Available Beam Angles (RGBW)	20º | 30º | 40º | 25x40º
Available Beam Angles (Single Color)	20º | 25º | 40º | 60º | 25x45º
Luminous Flux p/m	1630Lm (20º 3000K)
LB Value	L70B10 50.000H
Max Run Length for power	8 mtr.
Max Run Length for data	21 mtr | 32mtr
LED Pitch	20.8 mm
Storage Temperature	–30° C to 60° C
Operating Temperature	–20° C to 55° C
Connector	M12 5 Pin Connector
Protection Rating	IP67
Color Rendering Index	≥80
Mounting Options	Mounting Brackets
Certifications	CE, RoHS
Available Housing Colors	Grey
Housing material	AA 6063
Package Dimensions (L x W x H)	102 x 6.5 x 3.5 cm
Weight	0.8 Kg
Warranty	3 Years
UV protected	Yes

Light distribution
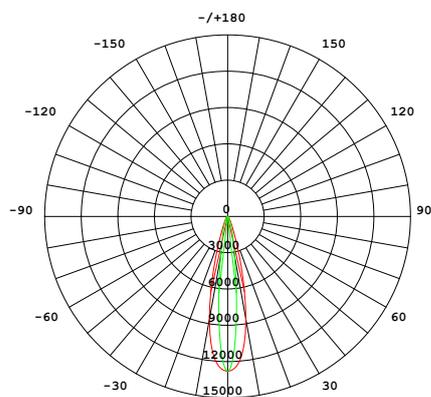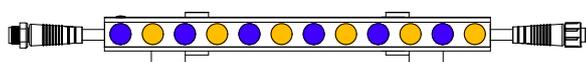
Average Beam angle: 22.1 Deg
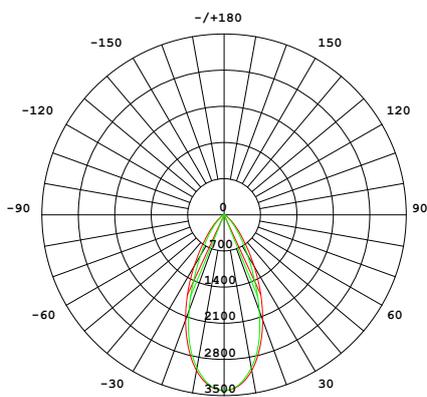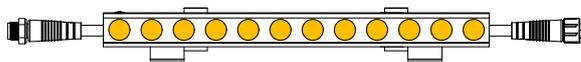
Average Beam angle: 48.1 Deg

Average Beam angle: 38.5 Deg

Linear 18W LED layout

Linear 18W RGBW

Linear 18W Single Color

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1067TG Amsterdam
The Netherlands

Info@oneeightyone.com
+31 (0)20 8200 170
@oneeightyonelighting

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Dimensions Linear G18

Linear 18W without Glare shield

500mm / 1000mm

20,8mm

22mm

Linear 18W with Glare shield
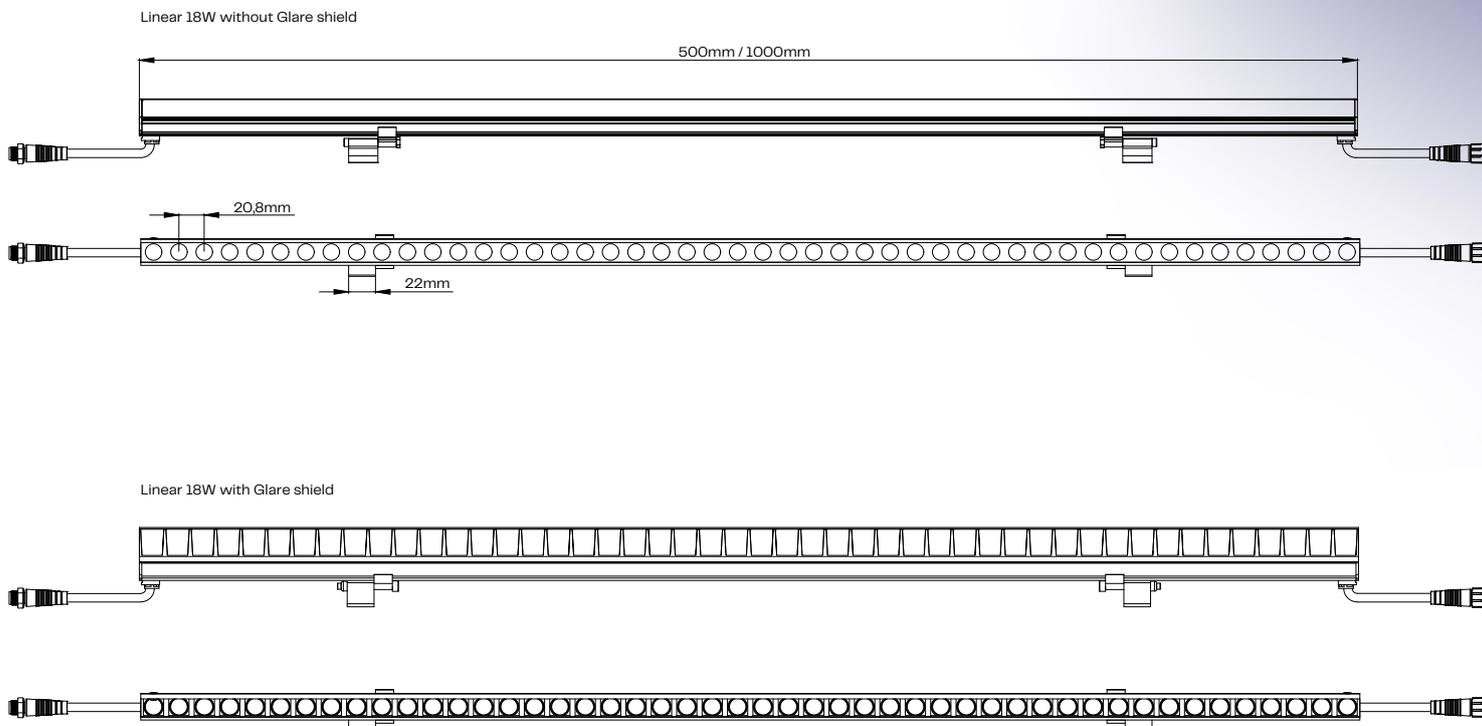
Dimensions Linear G18 and mounting bracket

Linear 18W with Glare shield

Linear 18W without Glare shield

22mm

19mm

40mm

34mm

65mm

34mm

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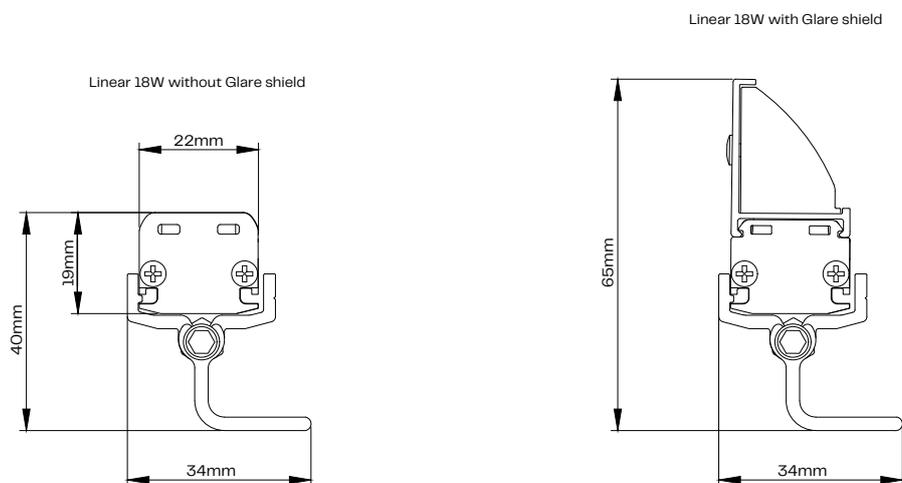
System diagram Linear G18 Single Color

M12 5 pin Input cable
3430115 (1m)

Blue	GND
Red	Data + (DMX)
Yellow	Data – (DMX)

PSU 5-24V
Artnet IN
Artnet OUT

M12 5 pin Power cable single feed
3430415

Brown	24V+ DC
Blue	24V– DC

Junction box

Power Supply
24V DC

Max 100mtr (*)

Data direction

Max 10mtr (*)

Up to max 21mtr of fixtures per output for data
Max 100mtr of the complete line including extension cables
Max 8mtr of fixtures when powered from the beginning

(*) Standard cables are available in 1, 2 & 3mtrs. Customization is possible on request.

System diagram Linear G18 RGBW

M12 5 pin Input cable
3430115 (1m)

Blue	GND
Red	Data + (DMX)
Yellow	Data – (DMX)

PSU 5-24V
Artnet IN
Artnet OUT

M12 5 pin Power cable single feed
3430415

Brown	24V+ DC
Blue	24V– DC

Junction box

Power Supply
24V DC

Max 100mtr (*)

Data direction

Max 10mtr (*)

Up to max 32mtr of fixtures per output for data
Max 100mtr of the complete line including extension cables
Max 8mtr of fixtures when powered from the beginning

(*) Standard cables are available in 1, 2 & 3mtrs. Customization is possible on request.

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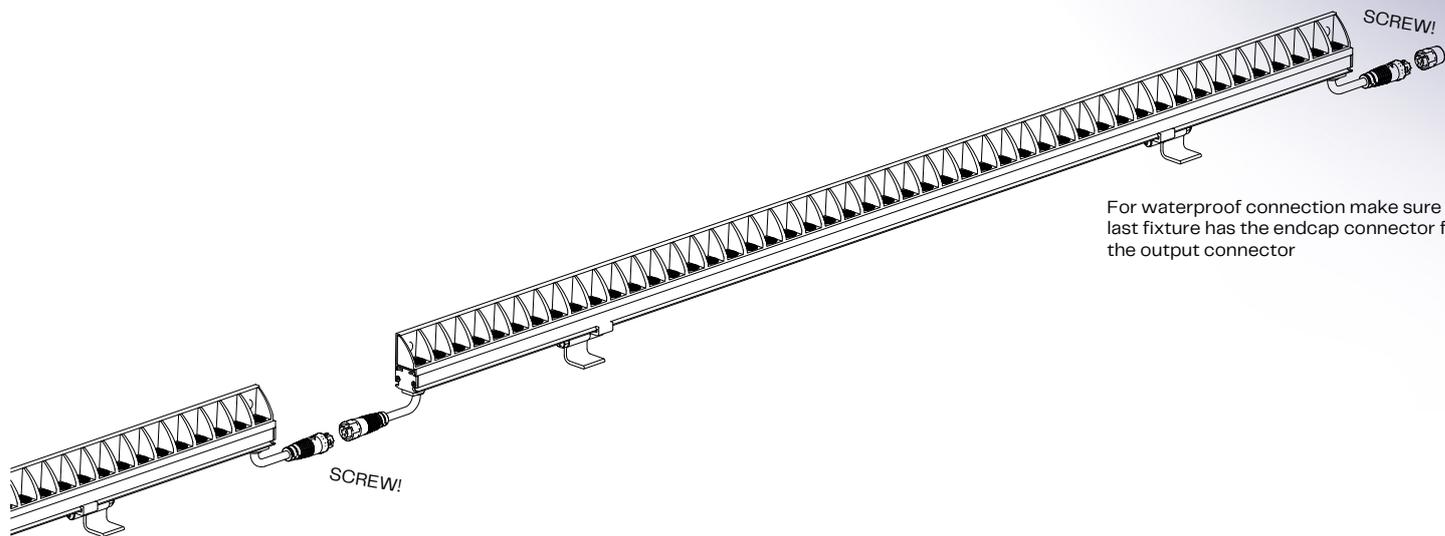with light**

Installation guide

Important note:

– Make sure power is disconnected during installation or maintenance
– Do not attempt installation in wet or severe weather conditions
– Keep cables protected from sharp objects to prevent damage
– Make sure unconnected fixtures are not exposed to raining/ snowing environment
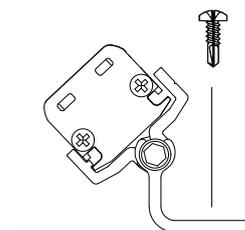
SCREW!

SCREW!

For waterproof connection make sure that the
last fixture has the endcap connector fixed to
the output connector

Minimum of 4mm spacing between fixtures to allow
thermal expansion

180°
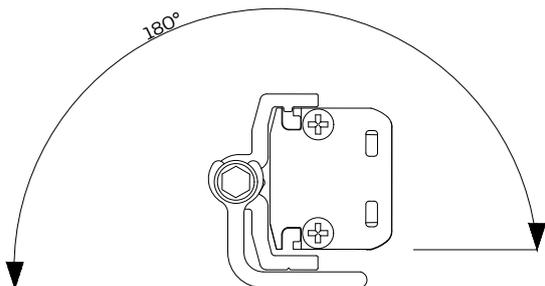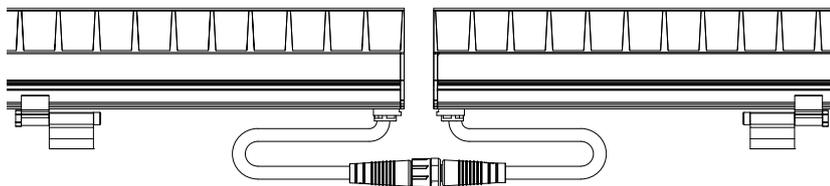
1. Mount bracket

2. Rotate to desired angle