Backlight Module PWM

Say goodbye to excess clutter! These Modules are engineered to deliver maximum brightness with minimal units. Thanks to their advanced technology, you'll achieve superior illumination using fewer modules, saving you both energy and cost. Efficiency at its finest!

Key specifications

Voltage (V)	24V DC
Power Consumption /pc	3W
Luminous Flux /pc	480Lm (4000K)
Color Range	Multi Color & Single Color
LB Value	L70B50 50.000H
UV Constant	Yes
Control	PWM
Module chain Length (mm)	Customizable
Warranty	5 years

CE RoHS IP67 IK08

Ordering information

Color Temp.	Center to center spacing in CM	Backlight chain Length in qty	Qty
☐ RGBW3000K			
☐ Adjustable white			
☐ 3000K			
☐ 4000K			
☐ 6500K			

Related Items

LTECH

LTECH 0-10V
- ☐ ☐ LED Driver 0-10V/Push 4x5A 2262900

LTECH Dali
- ☐ ☐ LED Driver DALI/DMX RGBW 150W 24V 2262900
- ☐ ☐ LED Driver DALI 4x5A 2264900

LTECH DMX
- ☐ ☐ LED Decoder DMX Digital 4x5A 2271600
- ☐ ☐ LED Decoder DMX DIN 4x4A 2272300
- ☐ ☐ LED Decoder DMX OLED 5x5A 2279000
- ☐ ☐ LED Decoder DMX OLED 16x3A 2278900

LTECH

LTECH 0-10V
- ☐ ☐ LED Driver 0-10V 36W 24V 2814200
- ☐ ☐ LED Driver 0-10V 75W 24V 2831900
- ☐ ☐ LED Driver 0-10V 100W 24V 2831700
- ☐ ☐ LED Driver 0-10V 150W 24V 2813000

LTECH Dali
- ☐ ☐ LED Driver DALI 36W 24V 2851000
- ☐ ☐ LED Driver DALI 75W 24V 2822800
- ☐ ☐ LED Driver DALI 100W 24V 2823000
- ☐ ☐ LED Driver DALI 150W 24V 2824200

LTECH DMX
- ☐ ☐ LED Driver DMX 36W 24V 2810600
- ☐ ☐ LED Driver DMX 75W 24V 2811800
- ☐ ☐ LED Driver DMX 100W 24V 2812300
- ☐ ☐ LED Driver DMX 150W 24V 2812800

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

oneeighty one.com

Bromostraat 18-1
1067TG Amsterdam
The Netherlands

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

General specifications

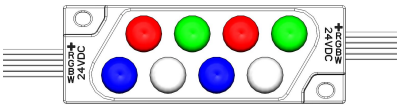
Operating Voltage	24 V DC
Color range	Multi Color & Single Color
CRI	≥80
Power Consumption /pc	3 W/pc
LEDs per Module /pc	8
Luminous Flux /pc	480Lm (4000K) 160Lm/W
Max Run Single power feed	20 pcs
Max Run Double power feed	40 pcs
LB Value	L70B50 50.000H
Storage Temperature	-40° C to 60° C
Operating Temperature	-25° C to 55° C
Connector type	Bare wires, connectors optional
Ingress Protection	IP67
Impact protection	IK08
Mounting Options	Tape or screws
Certifications	CE, RoHS
Available Housing Colors	White
Weight	50gr
Warranty	5 Years

Model	Red	Green	Blue	3000K	4000K	6500K
RGBW3000K	30Lm	64Lm	16Lm	100Lm		
Adj. White				225Lm		240Lm
3000K				450Lm		
4000K					480Lm	
6500K						450Lm

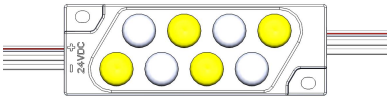
Model	Red	Green	Blue
RGBW3000K	620NM	520NM	465NM

Color Layout

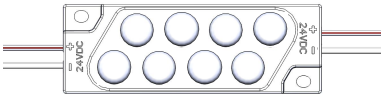
RGBW



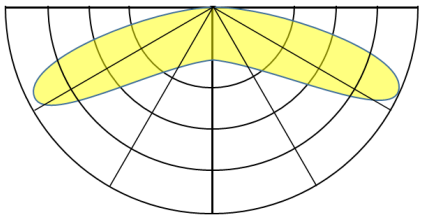
Adjustable White



Single Color

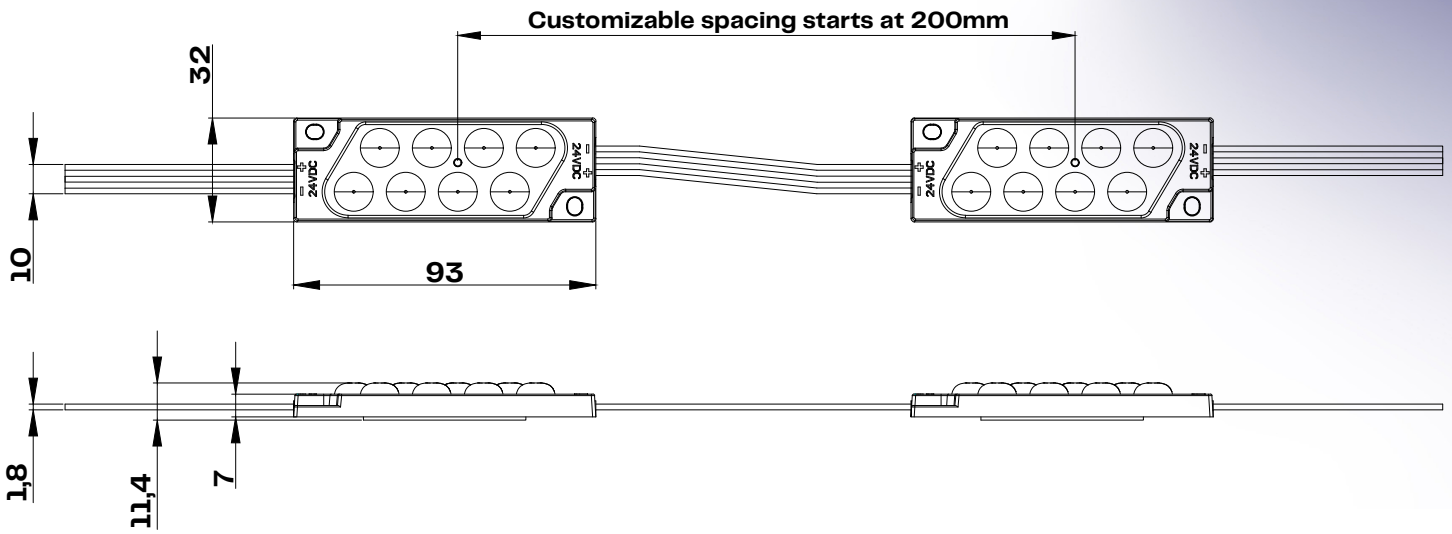


Light distribution

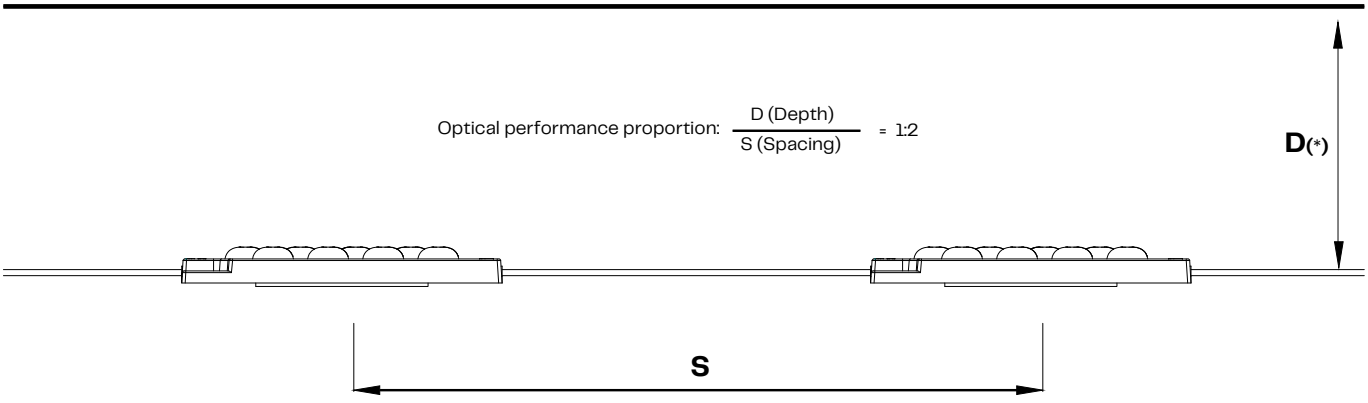


Average Beam angle: 160 Deg

Dimensions



Backlight Module PWM Calculation



(*) Note: Calculation depends on the translucency of the used fabric

oneeighty one.com
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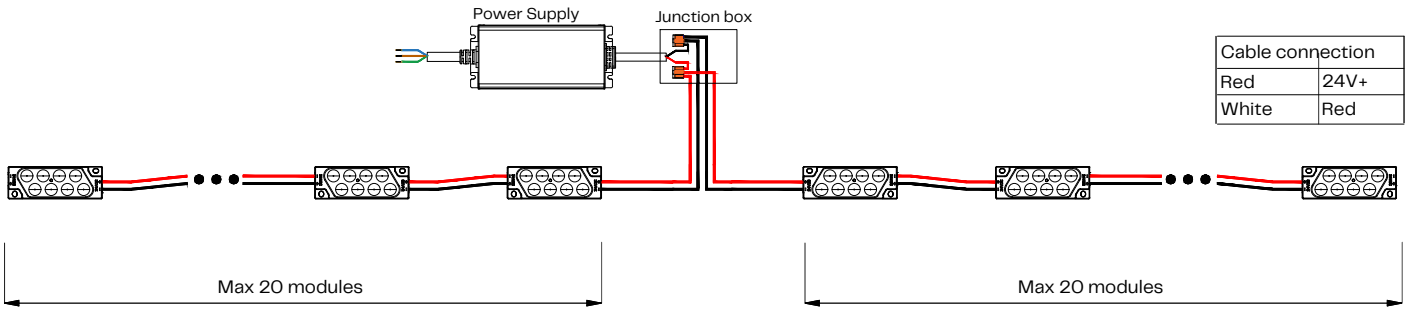
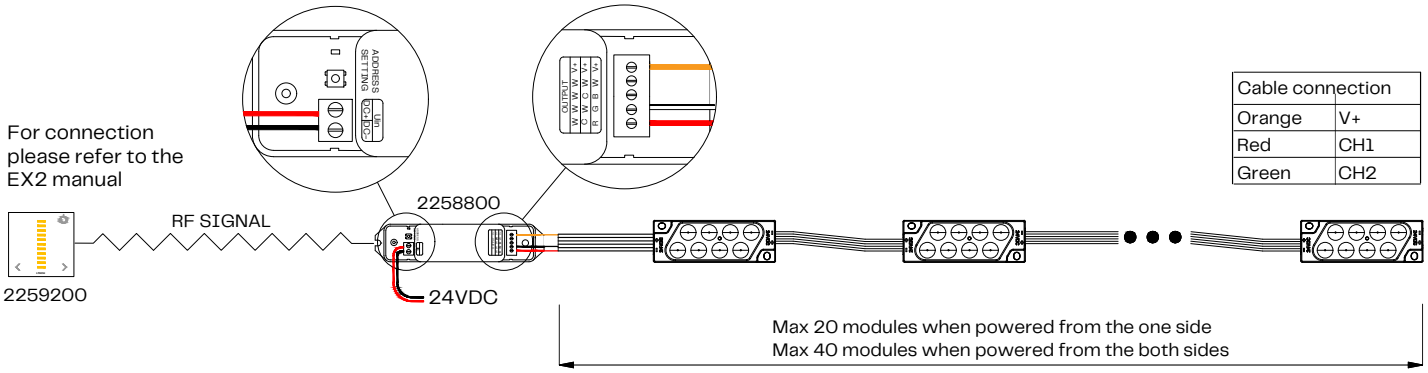
System diagram Single Color



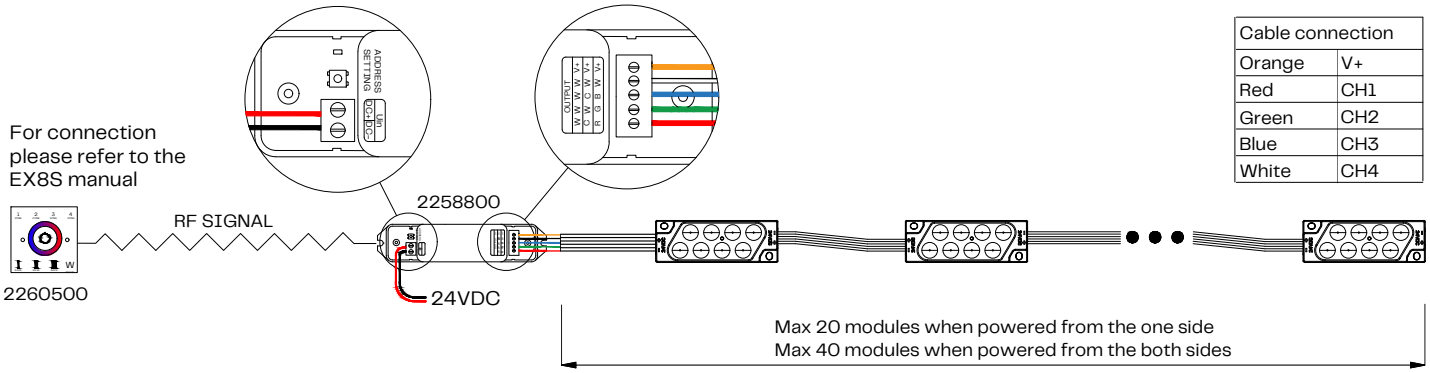
Cable connection	
Red	24V+
White	Red

System diagram Adjustable white



Cable connection	
Orange	V+
Red	CH1
Green	CH2

System diagram RGBW



Cable connection	
Orange	V+
Red	CH1
Green	CH2
Blue	CH3
White	CH4

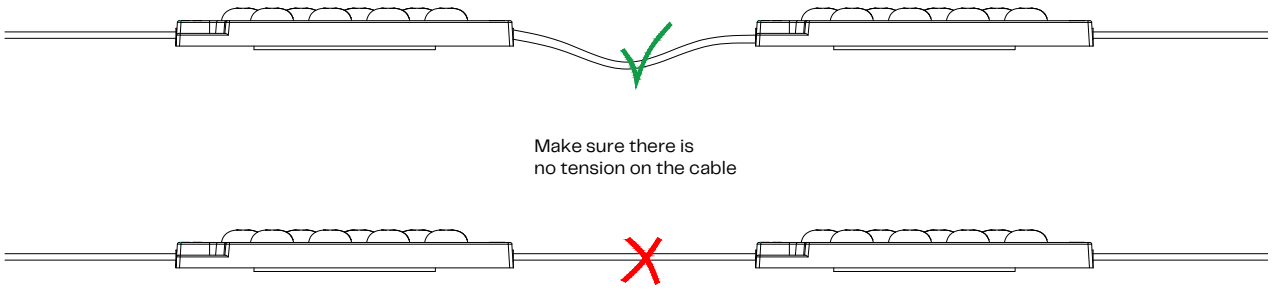
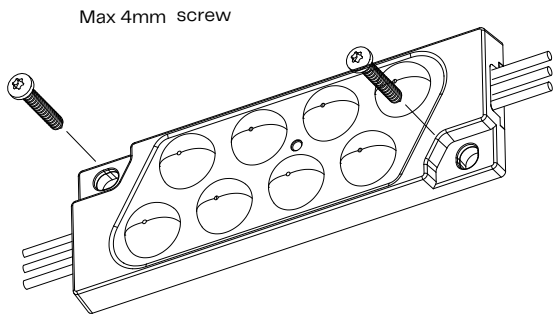
Installation guide

Important note:

- Make sure power is disconnected during installation or maintenance.
- Keep cables and the Module protected from sharp objects to prevent damage
- Allign polarity when connecting the Modules.
- Backlight Module PWM is a made-to-order product with the finish of the product specifically moulded to provide optimal weatherproof performance.
- Specifications including lengths of the chain, cable lengths, and type are necessary before placing an order.
- It is recommended to ensure the feeder cable is long enough to reach the cable entry point of flex where connection can be made.
- Do not cut the cables. DIY cutting of this product will void the warranty.
- When using by tape only, make sure the surface is cleaned.

Tips:

- Before powering the system, check if all polarities are aligned.
- It's recommended to install longer lengths with two persons.



Make sure there is
no tension on the cable