Backlight Module DiGi

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! Unlock the full potential of our DiGi products with the DiGidot C4 controller. Seamlessly control and synchronize your Backlight Modules with ease, allowing for effortless customization and stunning lighting effects.

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	SPI
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

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 Transceiver kit

- ☐ ☐ DiGidot PxLNet Transceiver kit RJ45-Bus 20341
- ☐ ☐ DiGidot PxLNet Transceiver kit Screw 203402
- ☐ ☐ DiGidot PxLNet Transceiver kit Solder 203403

Meanwell Power supply

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

General specifications

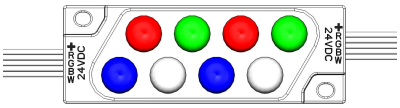
Operating Voltage	24 V DC
Color range	Multi Color | Single Color
CRI	≥80
Power Consumption /pc	3 W/pc
LEDs per Module /pc	8
Luminous Flux /pc	480Lm (4000K) 160Lm/W
Max Run Single power feed	20 pcs
Max Run Double power feed	40 pcs
Max Run Length for data	256 | 341
LB Value	L70B50 50.000H
Storage Temperature	-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

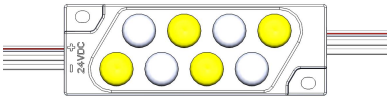
Model	Red	Green	Blue
RGBW3000K	620NM	520NM	465NM

Color Layout

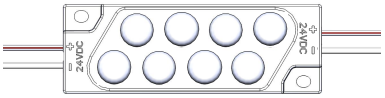
RGBW



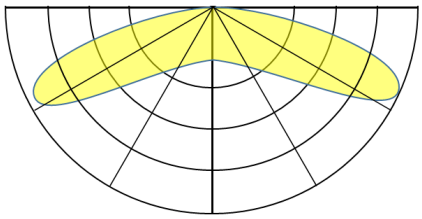
Adjustable White



Single Color

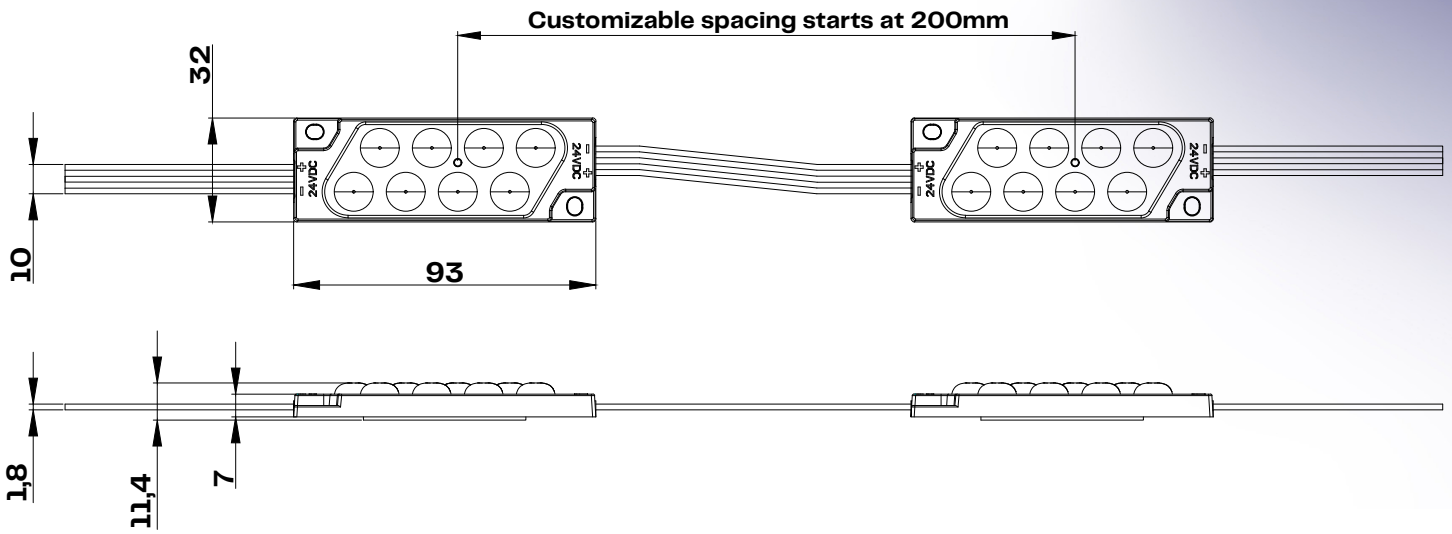


Light distribution

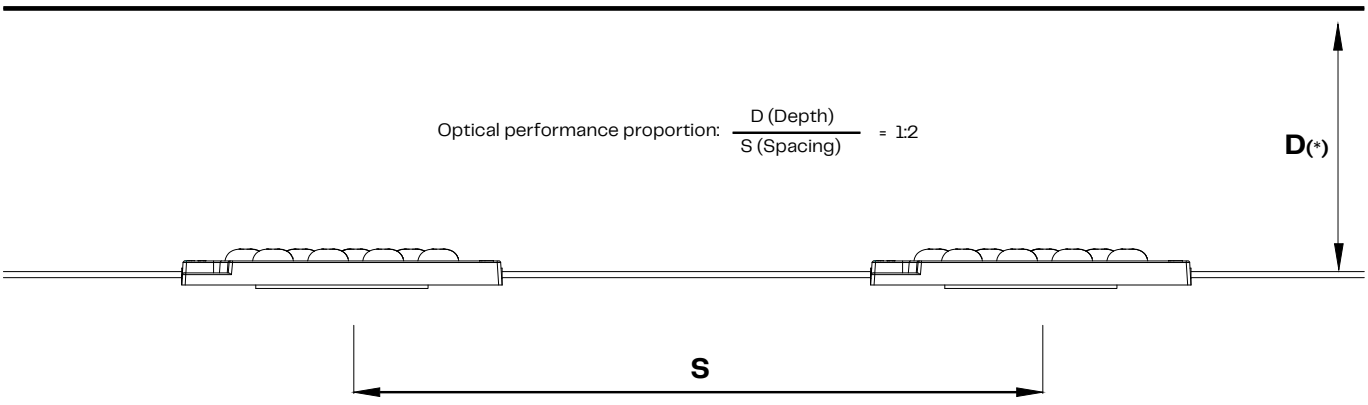


Average Beam angle: 160 Deg

Dimensions



Backlight Module Calculation



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

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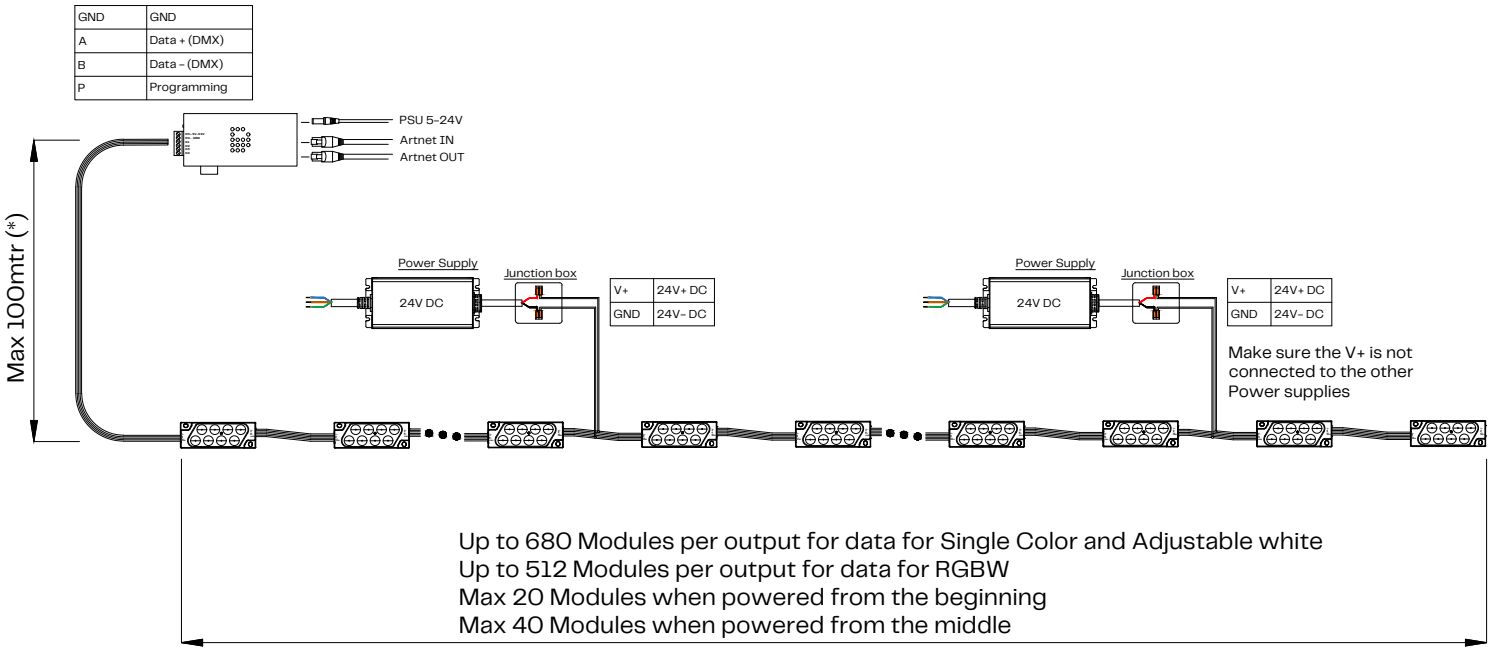
System diagram



Up to 680 Modules per output for data for Single Color and Adjustable white
Up to 512 Modules per output for data for RGBW
Max 20 Modules when powered from the beginning
Max 40 Modules when powered from the middle

(*) Default cable length is 1mtr.
Customization is possible on request.

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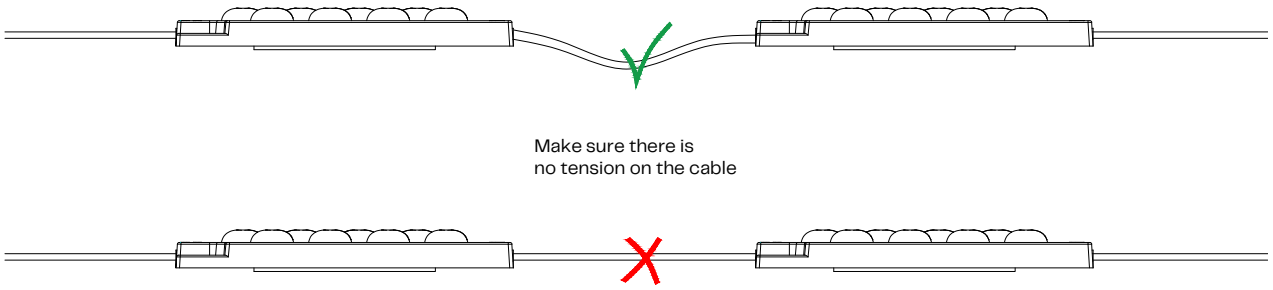
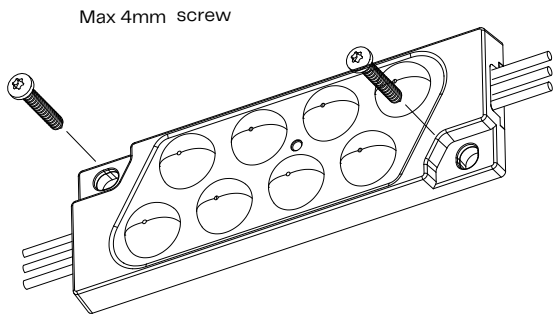
Installation guide

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 DiGi 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 properly.

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