

DiGi Backlight Module Tunable White

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Made for light boxes, signage, facades and illuminated ceilings and walls, this backlight module creates an even, glowing surface behind fabric, opal or acrylic. Every module is an addressable pixel, so color temperature and brightness can shift across one surface. Four white ranges, IP67.

- Smooth 16-bit dimming: The 16-bit resolution gives fine dimming steps and calm fades, right down to the lowest light levels.
- Even, efficient light: A 1:2.5 depth-to-pitch ratio lets you space modules wide apart for uniform light in cavities from 50 to 250 mm deep.



UL

CE

BIS

IP67

Specifications

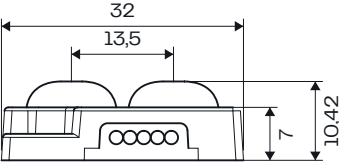
General	
Power Consumption (W/pc)	3
LEDs (/pc)	8
Input Voltage (V DC)	24
Pixels (/pc)	1
Channels (/pc)	3
Beam Angle (°)	175
LED Type	Discrete
LED Chip	SMD2835
Color Range	Tunable White
CRI	≥80
Control	SPI
IC	UCS7604
Dimming	16-bit
Installation Conditions & Lighting Data	
Optimal D/P Ratio	1:2,5
Depth Range (mm)	50-250
Maximum Run Length Single Feed (pcs)	20
Maximum Run Length Double Feed (pcs)	40
Maximum Data Run Length @30fps (pcs)	853
Maximum Data Run Length @50fps (pcs)	512
Operating	
Working Temperature (°C)	-25 to 60
Installation Temperature (°C)	-40 to 85
IP Rating	IP67
Certification	UL, CE, BIS
Certification Standards	IEC/EN 62031, IEC/EN 60598-1, IEC/EN 61347-1
Limited Warranty	5 Years

Physical	
Housing Material	PVC
Connector Material	Nylon (PA66)
Housing Color	White
Connector Type	Bare Wire / M12 5Pin
Length (mm)	93
Width (mm)	32
Height (mm)	10,42

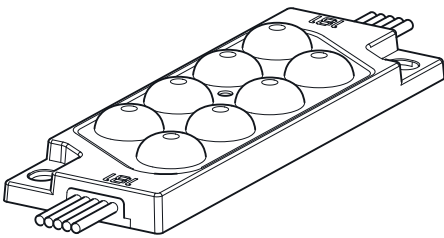
Options

Color/CCT	
☐	2700-5700K
☐	2700-6500K
☐	3000-5700K
☐	3000-6500K
Control	
☐	SPI

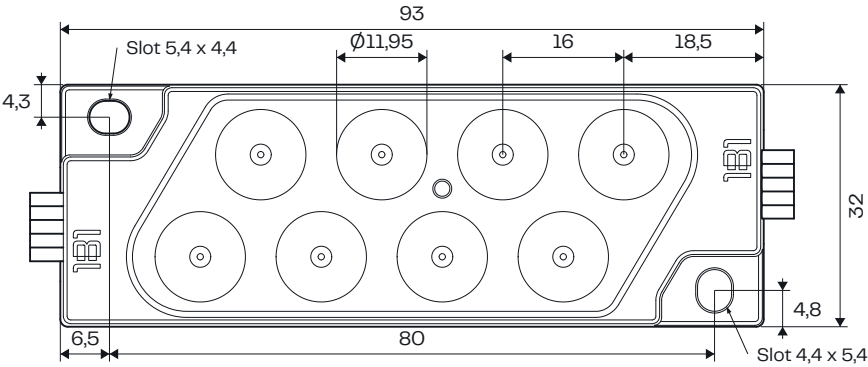
Dimensions



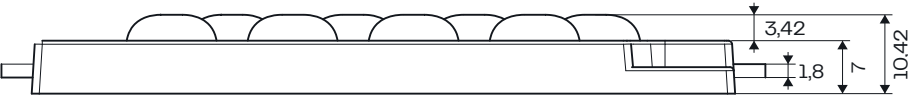
End · 3 W module
Scale 1:1



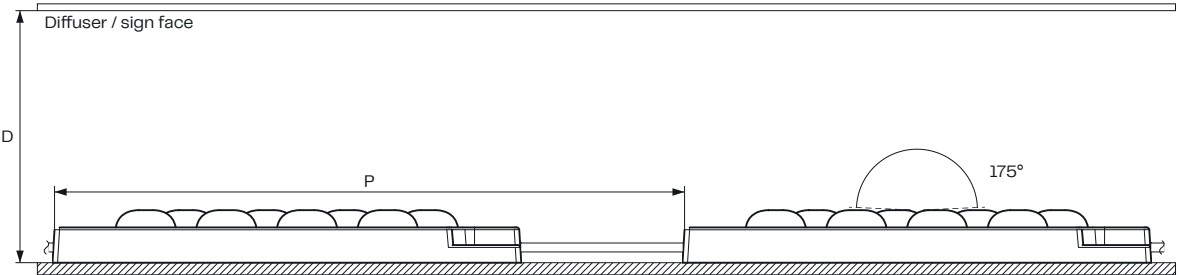
Isometric · 3 W module



Top · LED face · 3 W module
Scale 1:1



Side · 3 W module
Scale 1:1



Back panel
D : P = 1 : 2,5
D 50-250 mm
Installation · section
Scale 1:1,5

Product References

DiGi Backlight Module Tunable White

Reference	Description
3301730	DiGi Backlight Module Tunable White 2700–5700K
3301731	DiGi Backlight Module Tunable White 3000–5700K
3301732	DiGi Backlight Module Tunable White 2700–6500K
3301733	DiGi Backlight Module Tunable White 3000–6500K