

DiGi Backlight Module Multi Color

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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 RGBW pixel with a dedicated white from 2700K to 6500K, for color content and clean whites.

» Smooth 16-bit dimming: The 16-bit resolution gives fine dimming steps and calm fades, right down to the lowest light levels.

» Right fit, any depth: The 1W version (150° beam, 71 x 18 mm) suits cavities of 50 to 200 mm. The 3W version (175°) reaches up to 250 mm.



UL

CE

BIS

IP66

IP67

Specifications

General

Module	1 W	3 W
Power Consumption (W/pc)	0,96	3
LEDs (/pc)	3	8
Input Voltage (V DC)	24	
Pixels (/pc)	1	
Channels (/pc)	4	
Beam Angle (°)	150	175
LED Type	4in1	Discrete
Color Range	RGBW	
CRI	≥80	
Control	SPI	
IC	UCS7604	
Dimming	16-bit	

Installation Conditions & Lighting Data

Optimal D/P Ratio	1:1,6	1:2,5
Depth Range (mm)	50-200	50-250
Maximum Run Length Single Feed (pcs)	30	20
Maximum Run Length Double Feed (pcs)	60	40
Maximum Data Run Length @30fps (pcs)	640	
Maximum Data Run Length @50fps (pcs)	384	

Operating

Working Temperature (°C)	-25 to 50	-25 to 60
Installation Temperature (°C)	-40 to 85	
IP Rating	IP66	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)	71	93
Width (mm)	18	32
Height (mm)	10,08	10,42

Options

Module

☐ 1 W

☐ 3 W

Color/CCT

☐ RGBW2700K

☐ RGBW3000K

☐ RGBW4000K

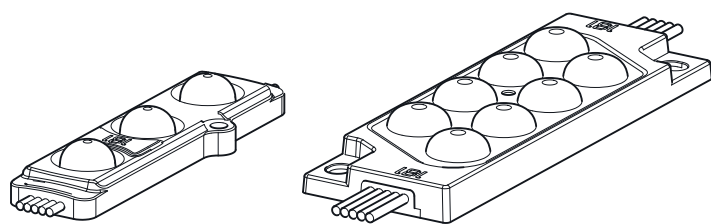
☐ RGBW5000K

☐ RGBW6500K

Control

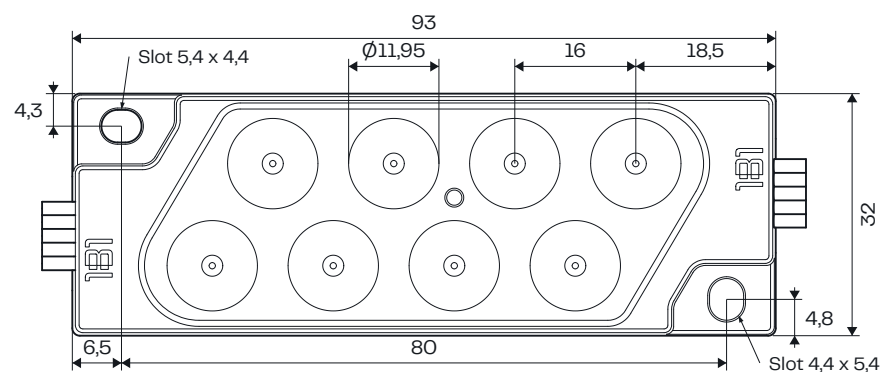
☐ SPI

Dimensions



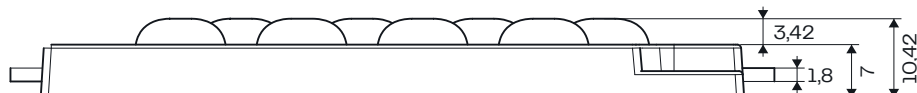
Isometric · 1 W module

Isometric · 3 W module



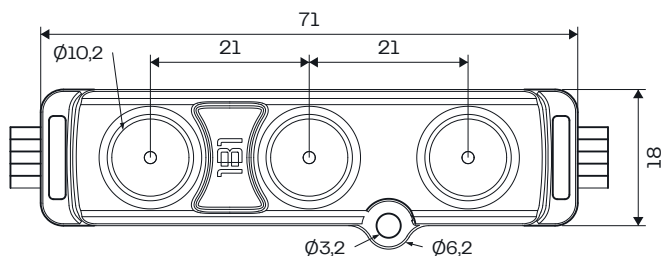
Top · LED face · 3 W module

Scale 1:1



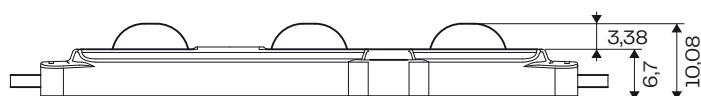
Side - 3 W module

Scale 1:1



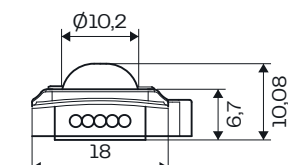
Top · LED face · 1 W module

Scale 1:1



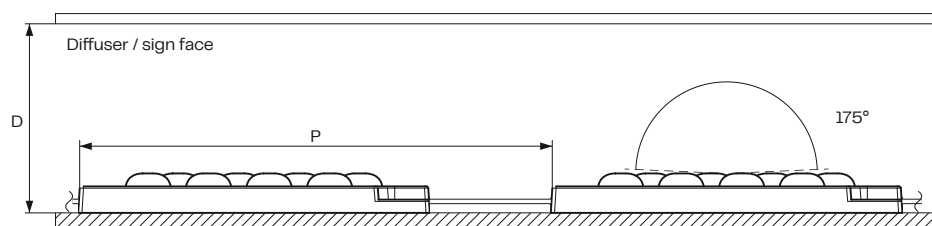
Side - 1 W module

Scale 1:1



End · 1 W module

Scale 1:1



Back panel

$$D:P = 1:2,5 (3 W), 1:1,6 (1 W)$$

D 50–250 mm (3 W), 50–200 mm (1 W)

Beam angle 175° (3 W), 150° (1 W)

Installation · section

Scale 1:2

Product References

DiGi Backlight Module Multi Color

Reference	Description
3301740	DiGi Backlight Module Multi Color RGBW2700K 1W
3301741	DiGi Backlight Module Multi Color RGBW3000K 1W
3301742	DiGi Backlight Module Multi Color RGBW4000K 1W
3301743	DiGi Backlight Module Multi Color RGBW5000K 1W
3301744	DiGi Backlight Module Multi Color RGBW6500K 1W
3301745	DiGi Backlight Module Multi Color RGBW2700K 3W
3301746	DiGi Backlight Module Multi Color RGBW3000K 3W
3301747	DiGi Backlight Module Multi Color RGBW4000K 3W
3301748	DiGi Backlight Module Multi Color RGBW5000K 3W
3301749	DiGi Backlight Module Multi Color RGBW6500K 3W