

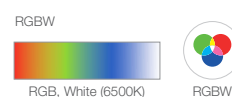
100 PRO RGBW

23W RGB-WHITE LED MODULE



AVAILABLE OPTIONS

LED MODULE



DRIVER DIMMING



TECHNOLOGY AND FEATURES

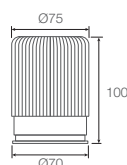


Low Flicker,
No Risk
(IEEE 1789)



Converging Optical Lens
Maximising LOR

DIMENSIONS (MM)



eldoLED POWERdrive 50S-M4Z0X (DMX)
L130 x W76 x H30.5

LED Module

SPECIFICATIONS

Family Type	100 Series	Ingress Protection	IP54 (LED module only)
Typical Operating Voltage	24-29V	Weight	430g (LED module only)
Typical Operating Current	210mA per channel (max.)	Dimming	Compatible with DALI or DMX dimmable constant current drivers or decoders
System / Input Power	26W	Mains Connection	Push-pin or screw terminals for convenient connection
Colour	Black	Mains Voltage	220-240V, 50Hz (with driver), 36-48V DC constant voltage (with decoder)
Materials	Aluminium, plastic	Power Factor	N/A
Compatibility	Compatible with ELR size-4 fixtures or most AR70 fittings, ELR size-6 fixtures or most AR111 fittings with optional mounting bracket.	Fire Safety	Glow wire test 850°C, UL94V-0, VW-1
Lifetime	50,000 hours (80% lumen maintenance at Ta = 25°C), B10	Flammability Mark	F
Beam Angles	35°, 60°	Safety Class	Class 3
Colour Temperatures	RGBW (6500K)	Standards	IEC 62031
CRI	N/A	Regulatory Markings	CE, RoHS
SDCM	N/A		

100 PRO RGBW

	Height (m)		E _{max} (lx)		ELR LED Module					Luminous Flux (lm) at 5.5W per Channel	
			35°	60°	Type	LED Power	System Power	Independent Colour Channel	Wavelength (nm) / CCT	RGBW	
1	1	E(0°)	2234	1177	100 Pro RGBW	22W	26W	Red	632	245	245
		Cone Ø (m)	0.67	1.02				Green	520	305	305
2	2	E(0°)	558	294				Blue	452	85	85
		Cone Ø (m)	1.34	2.05				White	6500K	380	380
3	3	E(0°)	248	131							
		Cone Ø (m)	2.01	3.07							
4	4	E(0°)	140	74							
		Cone Ø (m)	2.68	4.09							
5	5	E(0°)	89	47							
		Cone Ø (m)	3.35	5.12							

Data are based on 5.5 Watts per channel. The 100P RGBW module allows a maximum limit of 23 Watts total LED lamp power at each instant of operation.
 Driver Recommendation: AC input, DALI / DMX 4 channel LED driver, configurable output current.
 DC input, DMX 4 channel decoder, configurable output current.
 *Recommended drivers allow the output current to be configured at preferred ratios between independent colour channels, subjected to total LED power not exceeding the allowed maximum limit of 23 Watts.

Example of 100P RGBW with maximum output current by equal ratio on every independent channel			
Independent Colour Channel	Voltage (V)	Configurable Output Current (A)	LED Power (W)
Red	24	0.2	4.8
Green	29	0.2	5.8
Blue	28	0.2	5.6
White	28	0.2	5.6
Total LED Power (must not exceed 23W)			21.8

Example of 100P RGBW output current by different ratios on every independent channel			
Independent Colour Channel	Voltage (V)	Configurable Output Current (A)	LED Power (W)
Red	24	0.15	3.6
Green	29	0.15	4.35
Blue	28	0.15	4.2
White	28	0.35	9.8
Total LED Power (must not exceed 23W)			21.95

ORDERING MATRIX CHART

LED Module					
LED Power		Beam Angle		Colour Temp	
ELR100P.23	23W	35	35°	RGBW	Red, Green, Blue, White (6500K)
		60	60°		

example: ELR100P.23.35.RGBW

*Drivers for 100P RGBW LED modules are sold separately.