

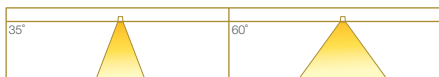
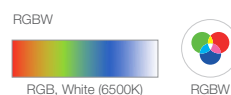
# 100 PRO RGBW

## 22W RGB-WHITE LED MODULE



### AVAILABLE OPTIONS

#### LED MODULE



#### DRIVER DIMMING



### TECHNOLOGY AND FEATURES

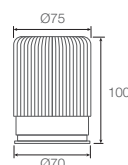


Low Flicker,  
No Risk  
(IEEE 1789)



Converging Optical Lens  
Maximising LOR

### DIMENSIONS (MM)

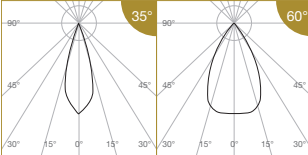


eldoLED POWERdrive 50S-M4Z0X (DMX)  
L130 x W76 x H30.5

SPECIFICATIONS

Family Type	100 Series	Driver (Dimming)	Compatible with DALI or DMX dimmable constant current drivers
Input Voltage	24-29V DC Constant Current	Materials	Aluminium, plastic
Colour	Black	Fire Safety	Glow wire test 850°C, UL94V-0, VW-1
Installation Compatibility	Compatible with ELR size-4 fixtures or most AR70 fittings, ELR size-6 fixtures or most AR111 fittings with optional mounting bracket.	Flammability Mark	F
Lifetime	50,000 hours (80% lumen maintenance at Ta = 35°C), B10	Ingress Protection	IP54 (module only)
Beam Angles	35°, 60°	Standards	IEC 62031
Colour Temperatures	RGBW (6500K)	Regulatory Markings	CE, RoHS
		Weight	430g

100 PRO RGBW



Height (m)	E(0°)	Emax (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	E(0°)	2234	1177	100 Pro RGBW	22W	26W	Red	632	245	245
	Cone Ø (m)	0.67	1.02				Green	520		
2	E(0°)	558	294				Blue	452	85	85
	Cone Ø (m)	1.34	2.05				White	6500K		
3	E(0°)	248	131							
	Cone Ø (m)	2.01	3.07							
4	E(0°)	140	74							
	Cone Ø (m)	2.68	4.09							
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 22 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 22 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 22W)			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 22W)			21.95

ORDERING MATRIX CHART

LED Module					
LED Power		Beam Angle		Colour Temp	
ELR100P	22W	35	35°	RGBW	Red, Green, Blue, White (6500K)
		60	60°		

example: ELR100P.35.RGBW

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