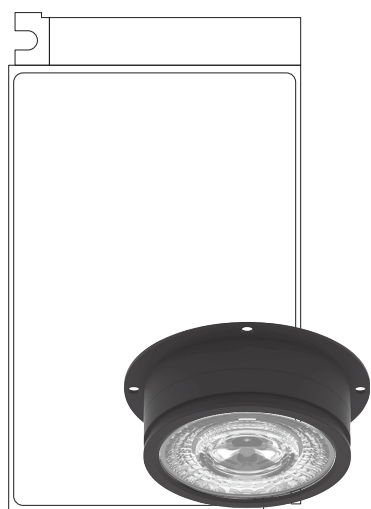


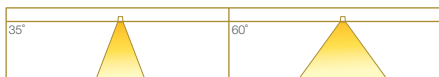
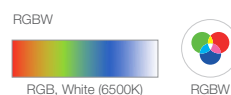
100 PLE RGBW

22W RGB-WHITE LED ENGINE



AVAILABLE OPTIONS

LED MODULE



DRIVER DIMMING



(DA)

(DMX)

TECHNOLOGY AND FEATURES



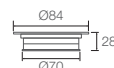
ComfyEYE

Low Flicker,
No Risk
(IEEE 1789)



Converging Optical Lens
Maximising LOR

DIMENSIONS (MM)



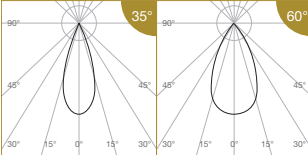
eldoLED POWERdrive 50S-M4Z0X (DMX)
L130 x W76 x H30.5

For designated fixtures only and NOT to be operated independently or with downlight fixtures.

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 NEBULA-4 fixture variants	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	140g

100 PLE RGBW



Height (m)	E(0°)	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	E(0°)	2234	1177	100 PLE RGBW	22W	26W	Red	632	245	245
	Cone Ø (m)	0.67	1.02				Green	520	305	305
2	E(0°)	558	294				Blue	452	85	85
	Cone Ø (m)	1.34	2.05				White	6500K	380	380
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
ELR100PLE	22W	35	35°	RGBW Red, Green, Blue, White (6500K)
		60	60°	

example: ELR100PLE.35.RGBW

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