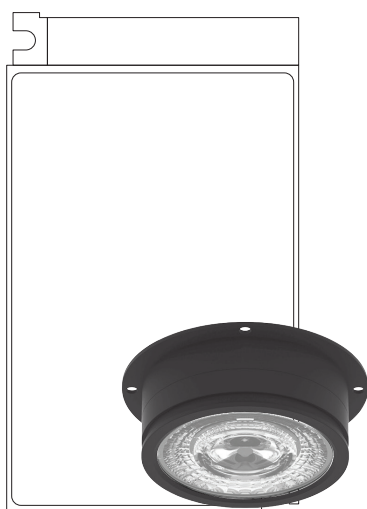


# 100 PLE RGBW

## 23W RGB-WHITE LED ENGINE



### AVAILABLE OPTIONS

#### LED MODULE

RGBW



RGB, White (6500K)



RGBW

35°



60°



#### DRIVER DIMMING



(DA)



(DMX)

### TECHNOLOGY AND FEATURES



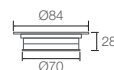
ComfyEYE

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	Ingress Protection	IP54 (LED engine only)
Typical Operating Voltage	24-29V	Weight	140g (LED engine 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 NEBULA-4 fixture variants	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 PLE RGBW

		Height (m)		Emax (lx)		ELR LED Engine				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
	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			<div>Data are based on 5.5 Watts per channel. The 100PLE 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.</div>					
	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								

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 Engine			
LED Power		Beam Angle	Colour Temp
ELR100PLE.23	23W	35	RGBW Red, Green, Blue, White (6500K)
		60	

example: ELR100PLE.23.35.RGBW

\*Drivers for 100PLE RGBW LED engines are sold separately.