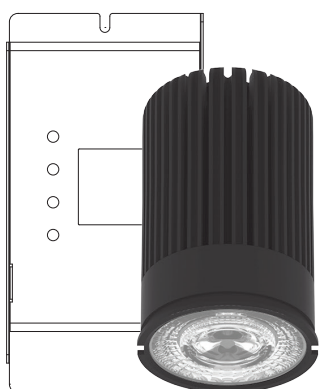


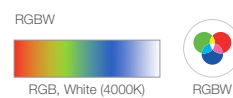
50 PRO RGBW

12W RGB-WHITE LED MODULE



AVAILABLE OPTIONS

LED MODULE

DRIVER
DIMMING

TECHNOLOGY AND FEATURES

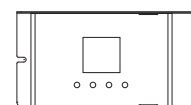
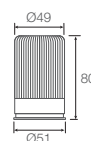


Low Flicker,
No Risk
(IEEE 1789)



Converging Optical Lens
Maximising LOR

DIMENSIONS (MM)



Euchips PX709 (DMX)
L116 x W54 x H35

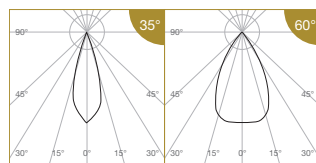
LED Module

SPECIFICATIONS

Family Type	50 Series
Typical Operating Voltage	21V
Typical Operating Current	140mA per channel (max.)
System / Input Power	14.6W
Colour	Black
Materials	Aluminium, plastic
Compatibility	Compatible with ELR size-3 fixtures or most MR16 fittings, ELR size-4 fixtures or most AR70 fittings with optional mounting brackets.
Lifetime	50,000 hours (80% lumen maintenance at Ta = 25°C), B10
Beam Angles	35°, 60°
Colour Temperatures	RGBW (4000K)
CRI	N/A
SDCM	N/A

Ingress Protection	IP54 (LED module only)
Weight	160g (LED module only)
Dimming	Compatible with DALI or DMX dimmable constant current decoders
Mains Connection	Push-pin or screw terminals for convenient connection
Mains Voltage	24-48V DC constant voltage
Power Factor	N/A
Fire Safety	Glow wire test 850°C, UL94V-0, VW-1
Flammability Mark	F
Safety Class	Class 3
Standards	IEC 62031
Regulatory Markings	CE, RoHS

50 PRO RGBW



Height (m)		Emax (lx)		ELR LED Module					Luminous Flux (lm) at 3W per Channel	
		35°	60°	Type	LED Power	System Power	Independent Colour Channel	Wavelength (nm) / CCT	RGBW	
1	E(0°)	1591	615	50 Pro RGBW	12W	14.6W	Red	632	155	155
	Cone Ø (m)	0.58	1.10				Green	520	225	225
2	E(0°)	398	154				Blue	452	80	80
	Cone Ø (m)	1.15	2.20				White	4000K	145	145
3	E(0°)	177	68							
	Cone Ø (m)	1.73	3.30							
4	E(0°)	99	38							
	Cone Ø (m)	2.31	4.40							
5	E(0°)	64	25							
	Cone Ø (m)	2.89	5.50							

Data are based on 3 Watts per channel. The 50P RGBW module allows a maximum limit of 12 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 12 Watts.

Example of 50P 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	21	0.14	2.94
Green	21	0.14	2.94
Blue	21	0.14	2.94
White	21	0.14	2.94
Total LED Power (must not exceed 12W)			11.76

ORDERING MATRIX CHART

LED Module				
LED Power		Beam Angle		Colour Temp
ELR50P.12	12W	35	35°	RGBW Red, Green, Blue, White (4000K)
		60	60°	
		DD55	Ø55mm Dome Diffuser	
		DD80	Ø80mm Dome Diffuser	
		DD120	Ø120mm Dome Diffuser	

example: ELR50P.12.35.RGBW

*Drivers for 50P RGBW LED modules are sold separately.