

700 PRO RGBW / RGBA

64W RGB-WHITE / RGB-AMBER LED MODULE



AVAILABLE OPTIONS

LED MODULE

RGBW / RGBA



RGB, White (6500K)



RGB, PC Amber



RGBW



RGBA



35°



60°

DRIVER DIMMING



(DA)



(DMX)

TECHNOLOGY AND FEATURES



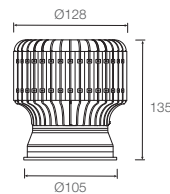
ComfyEYE

Low Flicker,
No Risk
(IEEE 1789)



Converging Optical Lens
Maximising LOR

DIMENSIONS (MM)



eldoLED POWERdrive 106/S (DALI)
eldoLED POWERdrive 1061/S (DMX)
L230 x W80 x H30

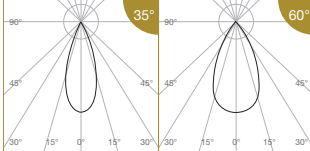


eldoLED POWERdrive 106/M (DALI)
eldoLED POWERdrive 1061/M (DMX)
L370 x W41 x H30

SPECIFICATIONS

Family Type	700 Series	Driver (Dimming)	Compatible with DALI or DMX dimmable constant current drivers
Input Voltage	22-31V DC Constant Current (700P RGBW), 27-33V DC Constant Current (700P RGBA)	Materials	Aluminium, plastic
Colour	Black	Fire Safety	Glow wire test 850°C, UL94V-0, VW-1
Installation Compatibility	Compatible with ELR size-6 fixtures or most AR111 fittings.	Flammability Mark	F
Lifetime	50,000 hours (80% lumen maintenance at Ta = 35°C), B10	Ingress Protection	IP40
Beam Angles	35°, 60°	Standards	IEC 62031
Colour Temperatures	RGBW (6500K), RGBA (PC Amber)	Regulatory Markings	CE, RoHS
		Weight	1200g

700 PRO RGBW



Height (m)		Emax (lx)		ELR LED Module									
		35°	60°	Type	LED Power	System Power	Independent Colour Channel	Wavelength (nm) / CCT	Luminous Flux (lm) at 16W per Channel				
1	E(0°)	8711	3398	700 Pro RGBW	64W	74W	Red	625	815	815			
	Cone Ø (m)	0.59	1.02				Green	525	960	960			
2	E(0°)	2178	849				Blue	460	220	220			
	Cone Ø (m)	1.18	2.05				White	6500K	935	935			
3	E(0°)	968	378				700 Pro RGBA	64W	74W	Red	625	815	815
	Cone Ø (m)	1.78	3.07							Green	525	960	960
4	E(0°)	544	212	Blue	460	220				220			
	Cone Ø (m)	2.37	4.09	PC Amber	593	420				420			
5	E(0°)	348	136										
	Cone Ø (m)	2.96	5.12										

Correction Factor: 700P RGBA - f = 0.82

Data are based on 16 Watts per channel. The 700P RGBW / RGBA module allows a maximum limit of 64 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 64 Watts.

Example of 700P 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	22	0.55	12.1
Green	31	0.55	17.05
Blue	31	0.55	17.05
White	31	0.55	17.05
Total LED Power (must not exceed 64W)			63.25

Example of 700P RGBW with output current by different ratios on every independent channel

Independent Colour Channel	Voltage (V)	Configurable Output Current (A)	LED Power (W)
Red	22	0.35	7.7
Green	31	0.35	10.85
Blue	31	0.35	10.85
White	31	0.7	21.7
Total LED Power (must not exceed 64W)			51.1

Example of 700P RGBA with maximum output current by equal ratio on every independent channel

Independent Colour Channel	Voltage (V)	Configurable Output Current (A)	LED Power (W)
Red	23	0.55	12.65
Green	33	0.55	18.15
Blue	33	0.55	18.15
PC Amber	27	0.55	14.85
Total LED Power (must not exceed 64W)			63.8

Example of 700P RGBA with output current by different ratios on every independent channel

Independent Colour Channel	Voltage (V)	Configurable Output Current (A)	LED Power (W)
Red	23	0.35	8.05
Green	33	0.35	11.55
Blue	33	0.35	11.55
PC Amber	27	0.7	18.9
Total LED Power (must not exceed 64W)			50.05

ORDERING MATRIX CHART

		LED Module			
		Beam Angle		Colour Temp	
ELR700P	64W	35	35°	RGBW	Red, Green, Blue, White (6500K)
		60	60°	RGBA	Red, Green, Blue, PC Amber

example: ELR700P.35.RGBW
*Drivers for 700P RGBW / RGBA LED modules are sold separately.