

50 PRO WARM DIM

12W DIM-TO-WARM LED MODULE



AVAILABLE OPTIONS

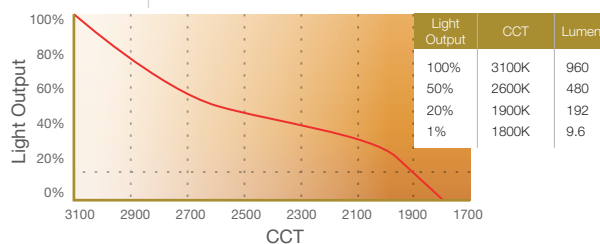
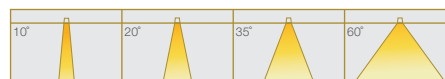
LED MODULE

WARM DIM

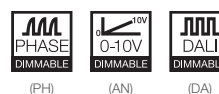


3100K

1800K



DRIVER DIMMING



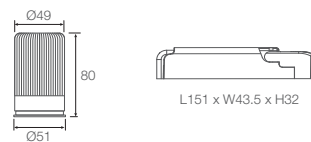
TECHNOLOGY AND FEATURES

Advanced Thermal Protection System

Low Flicker, No Risk (IEEE 1789)

Converging Optical Lens Maximising LOR

DIMENSIONS (MM)



SPECIFICATIONS

Family Type	50 Series
Typical Operating Voltage	34V
Typical Operating Current	350mA
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	10°, 20°, 35°, 60°
Colour Temperatures	Warm Dim (3100K - 1800K)
CRI	ProART (CRI-95)
SDCM	2 step MacAdam ellipse binning

Ingress Protection	IP40 for 10° beam, IP54 for 20°/35°/60° beam (LED module only)
Weight	160g (LED module), 156g (driver)
Dimming	Phase (leading & trailing edge), 0-10V, DALI
Mains Connection	Screw terminals for convenient connection
Mains Voltage	220-240V, 50Hz
Power Factor	>0.9
Fire Safety	Glow wire test 850°C, UL94V-0, VW-1
Flammability Mark	F
Safety Class	Class 2
Standards	IEC 62031, IEC 61347-2-13
Regulatory Markings	CE, CB, CCC, RCM, BIS, TIS, SIRIM-ST, RoHS

50 PRO WARM DIM

Height (m)		Emax (lx)			
		10°	20°	35°	60°
1	E(0°)	5217	4294	2525	976
	Cone Ø (m)	0.27	0.34	0.58	1.10
2	E(0°)	1304	1074	631	244
	Cone Ø (m)	0.54	0.68	1.15	2.20
3	E(0°)	580	477	281	108
	Cone Ø (m)	0.81	1.03	1.73	3.30
4	E(0°)	326	268	158	61
	Cone Ø (m)	1.08	1.37	2.31	4.40
5	E(0°)	209	172	101	39
	Cone Ø (m)	1.35	1.71	2.89	5.50

ELR Module				Luminous Flux (lm)			
Type	LED Power	System Power	CRI	3100K			
				10°	20°	35°	60°
50 Pro WD	12W	14.6W	ProART CRI-95	960	960	960	960

Data are based on maximum output at 3100K.
Nominal CRI-95, equals to Ra>90-97, R9>50

ORDERING MATRIX CHART

LED Module				
LED Power	Beam Angle	Colour Temp	CRI	
ELR50P.12	10° 20° 35° 60°	WD Warm Dim	PA ProART	
				DD55 Ø55mm Dome Diffuser
				DD80 Ø80mm Dome Diffuser
				DD120 Ø120mm Dome Diffuser

Driver		
Type	Dimming	Output Power
MP.DRA Modular Pro ATePS Driver	PH Phase	12 12W
	AN 0-10V	10 10W
	DA DALI	

example: MP.DRA.DA.12
Note: Please ensure that LED Power of LED module matches the Output Power of driver when ordering.

example: ELR50P.12.35.WD.PA