

50 PRO WARM DIM

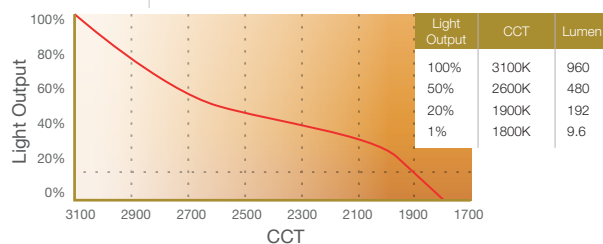
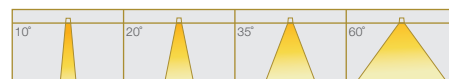
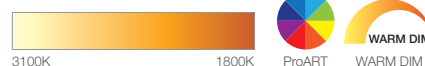
12W DIM-TO-WARM LED MODULE



AVAILABLE OPTIONS

LED MODULE

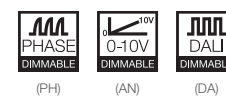
WARM DIM



ACCESSORIES



DRIVER DIMMING



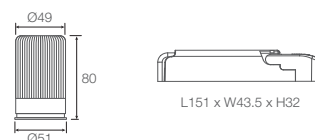
TECHNOLOGY AND FEATURES

Advanced Thermal Protection System

Low Flicker, No Risk (IEEE 1789)

Converging Optical Lens Maximising LOR

DIMENSIONS (MM)



SPECIFICATIONS

Family Type	50 Series
Mains Voltage	220-240V, 50Hz
Typical Operating Voltage	34V
Typical Operating Current	350mA
Colour	Black
Installation 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 = 35°C), B10
Beam Angles	10°, 20°, 35°, 60°
Colour Temperatures	Warm Dim (3100K - 1800K)
CRI	ProART (CRI-95)
SDCM	2 step MacAdam ellipse binning

Driver (Dimming)	Phase (leading & trailing edge), 0-10V, DALI
Mains Connection	Screw terminals for convenient connection
Materials	Aluminium, plastic
Fire Safety	Glow wire test 850°C, UL94V-0, WW-1
Flammability Mark	F
Ingress Protection	IP40 for 10° beam, IP54 for 20°/35°/60° beam (module only)
Safety Class	Class 2
Standards	IEC 62031, IEC 61347-2-13
Regulatory Markings	CE, CB, CCC, RCM, BIS, TIS, SIRIM-ST, RoHS
Weight	160g

50 PRO WARM DIM

Height (m)		E _{max} (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	15.2W	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						Driver		
LED Power	Beam Angle		Colour Temp		CRI	Dimming		
ELR50P	12W	10°	WD	Warm Dim	PA	ProART	PH	Phase
		20°					AN	0-10V
		35°					DA	DALI
		60°						
		DD55						
		DD80						
		DD120						

example: ELR50P.35.WD.PA.PH