

50 PRO MAX / 50 CLASSIC MAX

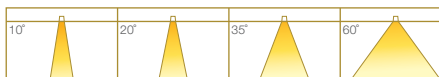
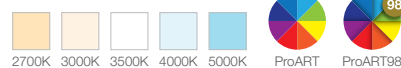
21W / 17W LED MODULE



AVAILABLE OPTIONS

LED MODULE

SINGLE CCT



ACCESSORIES



DRIVER DIMMING



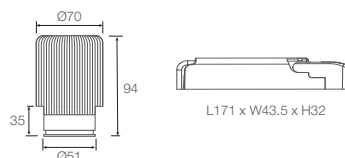
TECHNOLOGY AND FEATURES

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	600mA (50 Pro Max), 500mA (50 Classic Max)
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	2700K, 3000K, 3500K, 4000K, 5000K
CRI	High Efficiency (CRI~85), ProART (CRI~95), ProART98 (CRI~98)
SDCM	2 step MacAdam ellipse binning

Driver (Dimming)	Non-dim, 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	320g

50 PRO MAX / 50 CLASSIC MAX SINGLE CCT

Beam Angle	Height (m)	E(0°)	Emax (lx)				ELR LED Module				Luminous Flux (lm)								
			10°	20°	35°	60°	Type	LED Power	System Power	CRI	3000K								
			Cone Ø (m)	Cone Ø (m)	Cone Ø (m)	Cone Ø (m)					10°	20°	35°	60°					
10°	1	E(0°)	14873	9867	5802	2243	50 Pro Max	21W	25W	High Efficiency CRI-85	2200	2600	2600	2600					
	Cone Ø (m)	0.19	0.34	0.58	1.10	ProART CRI-95					1870	2210	2210	2210					
20°	2	E(0°)	3718	2467	1451	561					ProART98 CRI-98	1540	1820	1820	1820				
	Cone Ø (m)	0.37	0.68	1.15	2.20	50 Classic Max					17W	21W	High Efficiency CRI-85	1780	2100	2100	2100		
35°	3	E(0°)	1653	1096	645									249	ProART CRI-95	1513	1785	1785	1785
	Cone Ø (m)	0.56	1.03	1.73	3.30									ProART98 CRI-98	1246	1470	1470	1470	
60°	4	E(0°)	930	617	363		140	50 Pro Max	21W	High Efficiency CRI-85				1780	2100	2100	2100		
	Cone Ø (m)	0.74	1.37	2.31	4.40		ProART CRI-95							1513	1785	1785	1785		
10°	5	E(0°)	595	395	232		90							ProART98 CRI-98	1246	1470	1470	1470	
	Cone Ø (m)	0.93	1.71	2.89	5.50														

Correction Factor: 50CM - f = 0.81

Data are based on 3000K (ProART CRI-95). Nominal data of 2700K and 3500K are shared with 3000K. Higher CCT of 4000K and 5000K will have a nominal data value of 5% higher than published. (f = 1.05)
High Efficiency CRI-85 will have a nominal data value of 15% higher than published. (f = 1.17)
ProART98 CRI-98 will have a nominal data value of 18% lower than published. (f = 0.82)

Nominal CRI-85, equals to Ra>80-87, R9>0
Nominal CRI-95, equals to Ra>90-97, R9>50
Nominal CRI-98, equals to Ra>97-99, R9>83

ORDERING MATRIX CHART

LED Power		LED Module				Driver			
		Beam Angle		Colour Temp		CRI		Dimming	
ELR50PM	21W	10	10°	27	2700K	HE	Ra-85	ND	Non-Dim
ELR50CM	17W	20	20°	30	3000K	PA	ProART	PH	Phase
		35	35°	35	3500K	PP	ProART98	AN	0-10V
		60	60°	40	4000K			DA	DALI
		DD55	Ø55mm Dome Diffuser	50	5000K				
		DD80	Ø80mm Dome Diffuser						
		DD120	Ø120mm Dome Diffuser						

example: ELR50PM.35.40.PA.DA