

50 PRO

12W / 10W LED MODULE

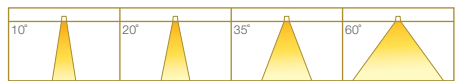
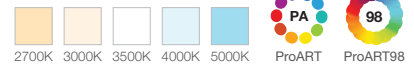
*50 Pro 12W is formerly known as 50 Pro
50 Pro 10W is formerly known as 50 Classic*



AVAILABLE OPTIONS

LED MODULE

SINGLE CCT



DRIVER DIMMING



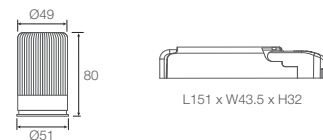
TECHNOLOGY AND FEATURES

ATEPS
Advanced Thermal Protection System

ComfyEYE
Low Flicker,
No Risk
(IEEE 1789)

X BEAM
Converging Optical Lens
Maximising LOR

DIMENSIONS (MM)

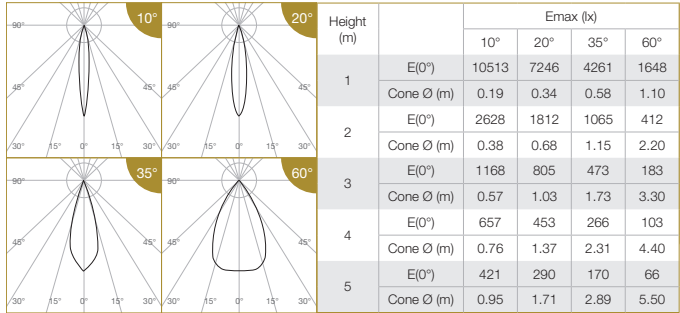


SPECIFICATIONS

Family Type	50 Series
Typical Operating Voltage	34V
Typical Operating Current	350mA (50 Pro 12W), 300mA (50 Pro 10W)
System / Input Power	14.6W (50 Pro 12W), 12.2W (50 Pro 10W)
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	2700K, 3000K, 3500K, 4000K, 5000K
CRI	High Efficiency ProART (CRI-95), ProART98 (CRI-98)
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	Non-dim, 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 12W SINGLE CCT



ELR LED Module				Luminous Flux (lm)			
Type	LED Power	System Power	CRI	3000K			
				10°	20°	35°	60°
50 Pro	12W	14.6W	High Efficiency ProART CRI-95	1320	1620	1620	1620
			ProART98 CRI-98	884	1085	1085	1085
	10W	12.2W	High Efficiency ProART CRI-95	1100	1350	1350	1350
			ProART98 CRI-98	737	905	905	905

Data are based on 3000K (High Efficiency 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) ProART98 CRI-98 will have a nominal data value of 33% lower than published. (f = 0.67)

Nominal CRI-95, equals to Ra>90-97, R9>50
Nominal CRI-98, equals to Ra>97-99, R9>93

Correction Factor: 50P 10W - f = 0.83

ORDERING MATRIX CHART

LED Module								
LED Power		Beam Angle		Colour Temp		CRI		
ELR50P:12	12W	10	10°	27	2700K	PA	ProART	
			20°					
ELR50P:10	10W	20	20°	30	3000K	PP	ProART98	
			35°					
			35					3500K
			60					4000K
		DD55	Ø55mm Dome Diffuser	50	5000K			
DD80	Ø80mm Dome Diffuser							
DD120	Ø120mm Dome Diffuser							

example: ELR50P:12.35.40.PA

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

example: MP.DRA.DA.12

Note: Please ensure that LED Power of LED module matches the Output Power of driver when ordering.