

# 50 PRO / 50 CLASSIC

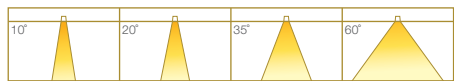
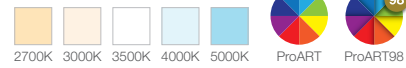
12W / 10W LED MODULE



## AVAILABLE OPTIONS

### LED MODULE

#### SINGLE CCT



### ACCESSORIES



### DRIVER DIMMING



## TECHNOLOGY AND FEATURES



**ATEPS**  
Advanced Thermal Protection System

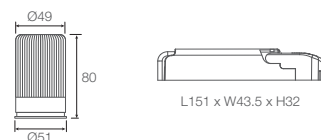


**ComfyEYE**  
Low Flicker,  
No Risk  
(IEEE 1789)



**X BEAM**  
Converging Optical Lens  
Maximising LOR

## DIMENSIONS (MM)



SPECIFICATIONS

Family Type	50 Series
Mains Voltage	220-240V, 50Hz
Typical Operating Voltage	34V
Typical Operating Current	350mA (50 Pro), 300mA (50 Classic)
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	160g

50 PRO SINGLE CCT

Beam Angle	Height (m)	Emax (lx)	ELR LED Module			Luminous Flux (lm)								
			Type	LED Power	System Power	CRI	3000K							
							10°	20°	35°	60°				
10°	1	E(0°)	8801	5703	3354	1297	50 Pro	12W	15.2W	High Efficiency CRI~85	1300	1500	1500	1500
		Cone Ø (m)	0.19	0.34	0.58	1.10					ProART CRI~95	1105	1275	1275
20°	2	E(0°)	2200	1426	838	324	50 Pro	12W	15.2W	High Efficiency CRI~85	1020	1200	1200	1200
		Cone Ø (m)	0.37	0.68	1.15	2.20					ProART CRI~95	867	1020	1020
35°	3	E(0°)	978	634	373	144	50 Pro	12W	15.2W	High Efficiency CRI~85	1020	1200	1200	1200
		Cone Ø (m)	0.56	1.03	1.73	3.30					ProART CRI~95	867	1020	1020
60°	4	E(0°)	550	356	210	81	50 Classic	10W	12.8W	High Efficiency CRI~85	1020	1200	1200	1200
		Cone Ø (m)	0.74	1.37	2.31	4.40					ProART CRI~95	867	1020	1020
	5	E(0°)	352	228	134	52	50 Classic	10W	12.8W	High Efficiency CRI~85	1020	1200	1200	1200
		Cone Ø (m)	0.93	1.71	2.89	5.50					ProART98 CRI~98	714	840	840

Correction Factor:  
50C (10°) - f = 0.78      50C (20°, 35°, 60°) - f = 0.80

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 8% 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>93

ORDERING MATRIX CHART

		LED Module				Driver			
		Beam Angle		Colour Temp		CRI		Dimming	
ELR50P	12W	10	10°	27	2700K	HE	Ra~85	ND	Non-Dim
ELR50C	10W	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: ELR50P.35.40.PA.DA