

50 PRO flexiK

12W FLEXIBLE WHITE LED MODULE



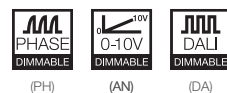
AVAILABLE OPTIONS

LED MODULE

flexiK



DRIVER DIMMING



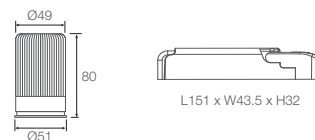
TECHNOLOGY AND FEATURES

ATEPS
Advanced Thermal Protection System

ComfyEYE
Low Flicker, No Risk (IEEE 1789)

XBEAM
Converging Optical Lens Maximising LOR

DIMENSIONS (MM)

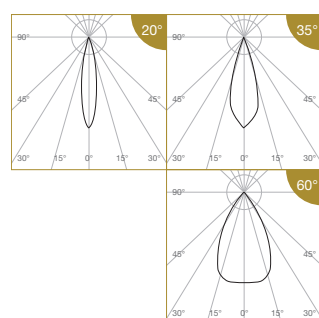


SPECIFICATIONS

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	20°, 35°, 60°
Colour Temperatures	flexiK (any CCT within 1800K - 5500K by increment of 100K)
CRI	ProART (CRI-95)
SDCM	2 step MacAdam ellipse binning

Ingress Protection	IP54 (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 flexiK



Height (m)		Emax (lx)		
		20°	35°	60°
1	E(0°)	5323	3130	1210
	Cone Ø (m)	0.34	0.58	1.10
2	E(0°)	1331	783	303
	Cone Ø (m)	0.68	1.15	2.20
3	E(0°)	591	348	134
	Cone Ø (m)	1.03	1.73	3.30
4	E(0°)	333	196	76
	Cone Ø (m)	1.37	2.31	4.40
5	E(0°)	213	125	48
	Cone Ø (m)	1.71	2.89	5.50

ELR Module				Luminous Flux (lm)		
Type	LED Power	System Power	CRI	5500K		
				20°	35°	60°
50 Pro FK	12W	14.6W	ProART CRI-95	1190	1190	1190

Data are based on maximum output at 5000K - 5500K range.
 3500K - 5000K will have a nominal data value of 5% lower than published.
 2700K - 3500K will have a nominal data value of 10% lower than published.
 2400K - 2700K will have a nominal data value of 20% lower than published.
 1800K - 2400K will have a nominal data value of 30% lower than published.
 Nominal CRI-95, equals to Ra>90-97, R9>50

ORDERING MATRIX CHART

LED Module							
LED Power		Beam Angle		Colour Temp		CRI	
ELR50P.12	12W	20	20°	FK##	flexiK	PA	ProART
		35	35°				
		60	60°				
		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		
		DA	DALI		

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

denotes the first two digits of preferred CCT ranging from 1800K to 5500K by increment of 100K.
 example: ELR50P.12.35.FK35.PA.PH