

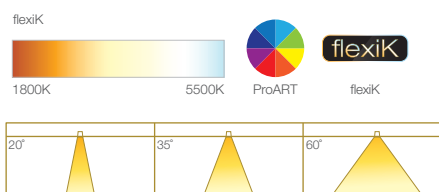
50 PLE flexiK

12W FLEXIBLE WHITE LED ENGINE

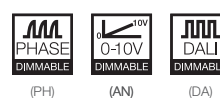


AVAILABLE OPTIONS

LED MODULE



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)



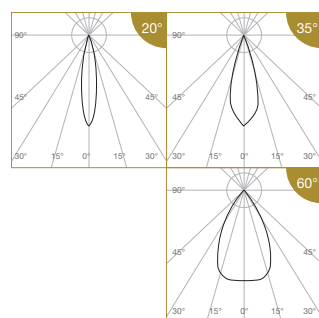
For designated fixtures only and NOT to be operated independently or with downlight fixtures.

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 NEBULA-3 fixture variants
Lifetime	50,000 hours (80% lumen maintenance at Ta = 35°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

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	IP54 (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	70g

50 PLE flexiK



Height (m)		E _{max} (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 PLE FK	12W	15.2W	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

LED Module					Driver				
LED Power	Beam Angle		Colour Temp		CRI		Dimming		
ELR50PLE	12W	20	20°	FK##	flexiK	PA	ProART	PH	Phase
		35	35°					AN	0-10V
		60	60°					DA	DALI

denotes the first two digits of preferred CCT ranging from 1800K to 5500K by increment of 100K.

example: ELR50PLE.35.FK35.PA.PH