

50 PLE flexiK

12W FLEXIBLE WHITE LED ENGINE



AVAILABLE OPTIONS

LED MODULE

flexiK

1800K 5500K

ProART flexiK

20° 35° 60°

DRIVER DIMMING

(PH) (AN) (DA)

TECHNOLOGY AND FEATURES

ATePS
Advanced Thermal Protection System

ComfyEYE
Low Flicker, No Risk (IEEE 1789)

X BEAM
Converging Optical Lens Maximising LOR

DIMENSIONS (MM)



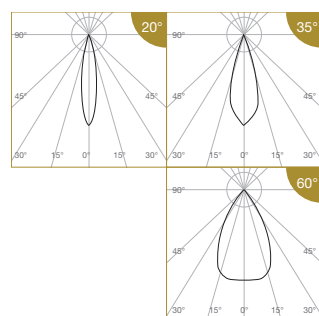
For designated fixtures only and NOT to be operated independently or with downlight fixtures.

SPECIFICATIONS

Family Type	50 Series
Typical Operating Voltage	34V
Typical Operating Current	350mA
System / Input Power	14.6W
Colour	Black
Materials	Aluminium, plastic
Compatibility	Compatible with ELR NEBULA-3 fixture variants
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 engine only)
Weight	70g (LED engine), 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

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Height (m)	E(0°)	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 Engine				Luminous Flux (lm)		
Type	LED Power	System Power	CRI	5500K		
				20°	35°	60°
50 PLE 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 Engine					
LED Power		Beam Angle		Colour Temp	
ELR50PLE.12	12W	20	20°	FK##	flexiK
		35	35°	PA	ProART
		60	60°		

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

denotes the first two digits of preferred CCT ranging from 1800K to 5500K by increment of 100K.
 example: ELR50PLE.12.35.FK35.PA.PH

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