

50 PLE tuneWHITE

12W TUNABLE WHITE LED ENGINE



AVAILABLE OPTIONS

LED MODULE

tuneWHITE

1800K 4000K 2700K 5500K ProART tuneWHITE

20° 35° 60°

DRIVER DIMMING



TECHNOLOGY AND FEATURES

Advanced Thermal Protection System

Low Flicker, No Risk (IEEE 1789)

Converging Optical Lens Maximising LOR

DIMENSIONS (MM)



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

SPECIFICATIONS

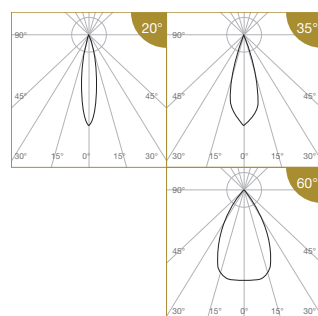
Family Type	50 Series
Mains Voltage	220-240V, 50Hz
Typical Operating Voltage	34V
Typical Operating Current	350mA
Colour	Black
Installation Compatibility	Compatible with ELR NEBULA-3 fixture variants
Lifetime	50,000 hours (80% lumen maintenance at Ta = 35°C), B10
Beam Angles	20°, 35°, 60°
Colour Temperatures	tuneWHITE 1800K - 4000K, tuneWHITE 2700K - 5500K
CRI	ProART (CRI~95)
SDCM	2 step MacAdam ellipse binning

Driver (Dimming)	DALI device type 8
Mains Connection	Screw terminals for convenient connection
Materials	Aluminium, plastic
Fire Safety	Glow wire test 850°C, UL94V-0, VW-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

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		ELR Module			Luminous Flux (lm)						
Height (m)	E(0°)	E _{max} (lx)			5500K						
		20°	35°	60°	20°	35°	60°				
1	E(0°)	5323	3130	1210	50 PLE TW	12W	15.2W	ProART CRI-95	1190	1190	1190
	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							

Data are based on maximum output at highest CCT (5500K).
4000K will have a nominal data value of 5% lower than published.
2700K will have a nominal data value of 10% lower than published.
1800K 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				Driver				
LED Power	Beam Angle	Colour Temp	CRI	Dimming				
ELR50PLE	12W	20°	TW1840 tuneWHITE 1800K-4000K	PA	ProART	DT8	DALI DT8	
		35°						TW2755 tuneWHITE 2700K-5500K
		60°						

example: ELR50PLE.35.TW2755.PA.DT8