

50 PLE tuneWHITE

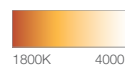
12W TUNABLE WHITE LED ENGINE



AVAILABLE OPTIONS

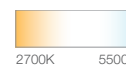
LED MODULE

tuneWHITE



1800K

4000K



2700K

5500K



ProART



tuneWHITE

20°



35°



60°



DRIVER DIMMING



(DT8)

TECHNOLOGY AND FEATURES



Advanced Thermal
Protection System



Low Flicker,
No Risk
(IEEE 1789)



Converging Optical Lens
Maximising LOR

DIMENSIONS (MM)



L151 x W43.5 x H32

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	tuneWHITE 1800K - 4000K, tuneWHITE 2700K - 5500K
CRI	ProART (CRI~95)
SDCM	2 step MacAdam ellipse binning

Ingress Protection	IP54 (LED engine only)
Weight	70g (LED engine), 156g (driver)
Dimming	DALI device type 8
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 PLE tuneWHITE

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 Engine				Luminous Flux (lm)		
Type	LED Power	System Power	CRI	5500K		
				20°	35°	60°
50 PLE TW	12W	14.6W	ProART CRI-95	1190	1190	1190

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 Engine							
LED Power		Beam Angle		Colour Temp		CRI	
ELR50PLE.12	12W	20	20°	TW1840	tuneWHITE 1800K-4000K	PA	ProART
		35	35°	TW2755	tuneWHITE 2700K-5500K		
		60	60°				

example: ELR50PLE.12.35.TW2755.PA

Driver							
Type		Dimming		Output Power		Colour Temp	
MP.DRA	Modular Pro ATePS Driver	DT8	DALI DT8	12	12W	TW1840	tuneWHITE 1800K-4000K
						TW2755	tuneWHITE 2700K-5500K

example: MP.DRA.DT8.12.TW2755

Note: Please ensure that LED Power and Colour Temperature selection of LED engine matches the Output Power and Colour Temperature selection of driver when ordering.