

50 PLE WARM DIM

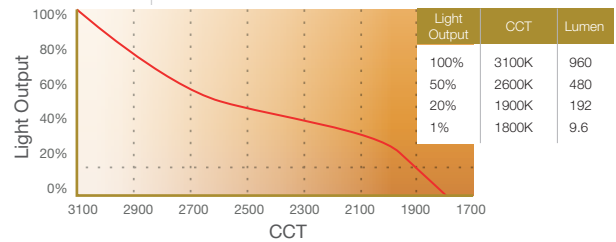
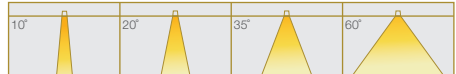
12W DIM-TO-WARM LED ENGINE



AVAILABLE OPTIONS

LED MODULE

WARM DIM



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
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	10°, 20°, 35°, 60°
Colour Temperatures	Warm Dim (3100K - 1800K)
CRI	ProART (CRI-95)
SDCM	2 step MacAdam ellipse binning

Ingress Protection	IP40 for 10° beam, IP54 for 20°/35°/60° beam (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

50 PLE WARM DIM

Height (m)		E _{max} (lx)			
		10°	20°	35°	60°
1	E(0°)	5217	4294	2525	976
	Cone Ø (m)	0.27	0.34	0.58	1.10
2	E(0°)	1304	1074	631	244
	Cone Ø (m)	0.54	0.68	1.15	2.20
3	E(0°)	580	477	281	108
	Cone Ø (m)	0.81	1.03	1.73	3.30
4	E(0°)	326	268	158	61
	Cone Ø (m)	1.08	1.37	2.31	4.40
5	E(0°)	209	172	101	39
	Cone Ø (m)	1.35	1.71	2.89	5.50

ELR Engine				Luminous Flux (lm)			
Type	LED Power	System Power	CRI	3100K			
				10°	20°	35°	60°
50 PLE WD	12W	15.2W	ProART CRI-95	960	960	960	960

Data are based on maximum output at 3100K.
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	10	10°	WD	Warm Dim	PA	ProART
			20°				
			35°				
			60°				

example: ELR50PLE.12.35.WD.PA

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

example: MP.DRA.DA.12

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