

20 PLE WARM DIM

8W / 6.2W DIM-TO-WARM LED ENGINE

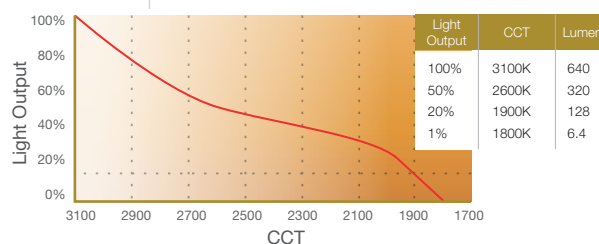
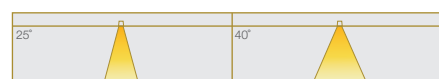
20 PLE Warm Dim 8W is formerly known as 20 PLE Warm Dim
20 PLE Warm Dim 6.2W is formerly known as 20 CLE Warm Dim



AVAILABLE OPTIONS

LED MODULE

WARM DIM



DRIVER DIMMING



TECHNOLOGY AND FEATURES



Advanced Thermal Protection System

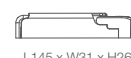


Low Flicker,
No Risk
(IEEE 1789)



Converging Optical Lens
Maximising LOR

DIMENSIONS (MM)



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

SPECIFICATIONS

Family Type	20 Series
Typical Operating Voltage	34V
Typical Operating Current	230mA (20 Pro Warm Dim 8W), 180mA (20 Pro Warm Dim 6.2W)
System / Input Power	9.8W (20 Pro Warm Dim 8W), 7.6W (20 Pro Warm Dim 6.2W)
Colour	Black
Materials	Aluminium, plastic
Compatibility	Compatible with ELR NEBULA-2 fixture variants
Lifetime	50,000 hours (80% lumen maintenance at Ta = 25°C), B10
Beam Angles	25°, 40°
Colour Temperatures	Warm Dim (3100K - 1800K)
CRI	ProART (CRI~95)
SDCM	2 step MacAdam ellipse binning

Ingress Protection	IP54 (LED engine only)
Weight	35g (LED engine), 92g (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

20 PLE WARM DIM

Height (m)		E _{max} (lx)		ELR Engine				Luminous Flux (lm)	
		25°	40°	Type	LED Power	System Power	CRI	3100K	
1	E(0°)	2217	1188	20 PLE WD	8W	9.8W	ProART CRI-95	25°	40°
	Cone Ø (m)	0.45	0.72					640	640
2	E(0°)	554	297		6.2W	7.6W	ProART CRI-95	500	500
	Cone Ø (m)	0.91	1.45						
3	E(0°)	246	132						
	Cone Ø (m)	1.36	2.17						
4	E(0°)	139	74						
	Cone Ø (m)	1.82	2.90						
5	E(0°)	89	48						
	Cone Ø (m)	2.27	3.62						

Data are based on maximum output at 3100K.
Nominal CRI-95, equals to Ra>90-97, R9>50

Correction Factor: 20PLE WD 6.2W - f = 0.78

ORDERING MATRIX CHART

LED Engine							
LED Power		Beam Angle		Colour Temp		CRI	
ELR20PLE.8	8W	25	25°	WD	Warm Dim	PA	ProART
ELR20PLE.6	6.2W	40	40°				

example: ELR20PLE.8.40.WD.PA

Driver					
Type		Dimming		Output Power	
MP.DRA	Modular Pro ATePS Driver	PH	Phase	8	8W
		AN	0-10V	6	6.2W
		DA	DALI		

example: MP.DRA.DA.8

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