

20 PLE

10W / 8W / 6.2W LED ENGINE

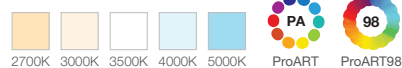
20 PLE 8W is formerly known as 20 PLE
20 PLE 6.2W is formerly known as 20 CLE



AVAILABLE OPTIONS

LED MODULE

SINGLE CCT



DRIVER DIMMING



TECHNOLOGY AND FEATURES

ATEPS
Advanced Thermal Protection System

ComfyEYE
Low Flicker,
No Risk
(IEEE 1789)

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	20 Series
Typical Operating Voltage	34V
Typical Operating Current	300mA (20 PLE 10W), 230mA (20 PLE 8W), 180mA (20 PLE 6.2W)
System / Input Power	12.2W (20 PLE 10W), 9.8W (20 PLE 8W), 7.6W (20 PLE 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	15°, 25°, 40°
Colour Temperatures	2700K, 3000K, 3500K, 4000K, 5000K
CRI	High Efficiency ProART (CRI-95), ProART98 (CRI-98)
SDCM	2 step MacAdam ellipse binning

Ingress Protection	IP54 (LED engine only)
Weight	35g (LED engine), 92g (driver)
Dimming	Non-dim, 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 8W SINGLE CCT

Beam Angle	Height (m)	Emax (lx)	ELR LED Engine			Luminous Flux (lm)			
			Type	LED Power	System Power	CRI	3000K		
							15°	25°	40°
15°	1	E(0°)	10W	12.2W	High Efficiency ProART CRI-95	1150	1150	1150	
		Cone Ø (m)							0.23
25°	2	E(0°)	8W	9.8W	ProART98 CRI-98	800	800	800	
		Cone Ø (m)							0.47
40°	3	E(0°)	6.2W	7.6W	High Efficiency ProART CRI-95	920	920	920	
		Cone Ø (m)							0.70
15°	4	E(0°)	10W	12.2W	ProART98 CRI-98	644	644	644	
		Cone Ø (m)							0.94
25°	5	E(0°)	8W	9.8W	High Efficiency ProART CRI-95	713	713	713	
		Cone Ø (m)							1.17

Correction Factor: 20PLE 10W - f = 1.25
20PLE 8W - f = 1.00
20PLE 6.2W - f = 0.78

Data are based on 3000K (High Efficiency ProART CRI-95). Nominal data of 2700K and 3500K are shared with 3000K. Higher CCT of 4000K and 5000K will have a nominal data value of 5% higher than published. (f = 1.05)
ProART98 CRI-98 will have a nominal data value of 30% lower than published. (f = 0.70)

Nominal CRI-95, equals to Ra>90-97, R9>50
Nominal CRI-98, equals to Ra>97-99, R9>93

ORDERING MATRIX CHART

LED Engine							
LED Power	Beam Angle		Colour Temp		CRI		
ELR20PLE.10	10W	15° 15°	27	2700K	PA	ProART	
ELR20PLE.8	8W	25° 25°	30	3000K	PP	ProART98	
ELR20PLE.6	6.2W	40° 40°	35	3500K			
			40	4000K			
			50	5000K			

example: ELR20PLE.8.25.30.PA

Driver					
Type	Dimming		Output Power		
MP.DRA	Modular Pro ATePS Driver		ND	Non-Dim	10 10W
			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.