

# 20 PLE / 20 CLE

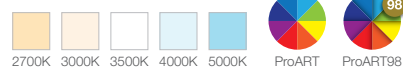
8W / 6.2W LED ENGINE



### 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
Mains Voltage	220-240V, 50Hz
Typical Operating Voltage	34V
Typical Operating Current	230mA (20 PLE), 180mA (20 CLE)
Colour	Black
Installation 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 (CRI-85), ProART (CRI-95), ProART98 (CRI-98)
SDCM	2 step MacAdam ellipse binning

Driver (Dimming)	Non-dim, phase (leading & trailing edge), 0-10V, DALI
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	35g

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Beam Angle	Height (m)	E(0°)	E <sub>max</sub> (lx)			ELR LED Module				Luminous Flux (lm)		
			15°	25°	40°	Type	LED Power	System Power	CRI	3000K		
			Cone Ø (m)	Cone Ø (m)	Cone Ø (m)					15°	25°	40°
15°	1	5333	2650	1420	20 PLE	8W	10.5W	High Efficiency CRI-85	900	900	900	
	2	1333	662	355					ProART CRI-95	765	765	765
25°	3	593	294	158	20 CLE	6.2W	8.3W	High Efficiency CRI-85	630	630	630	
	4	0.70	1.36	2.17					ProART CRI-95	612	612	612
40°	5	333	166	89				High Efficiency CRI-85	720	720	720	
		0.94	1.82	2.90					ProART CRI-95	612	612	612
		213	106	57				ProART98 CRI-98	504	504	504	
		1.17	2.27	3.62								

Correction Factor: 20CLE - f = 0.80

Data are based on 3000K (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) High Efficiency CRI-85 will have a nominal data value of 15% higher than published. (f = 1.17) ProART98 CRI-98 will have a nominal data value of 18% lower than published. (f = 0.82)

Nominal CRI-85, equals to Ra>80-87, R9>0  
 Nominal CRI-95, equals to Ra>90-97, R9>50  
 Nominal CRI-98, equals to Ra>97-99, R9>93

ORDERING MATRIX CHART

LED Module								Driver	
LED Power	Beam Angle	Colour Temp	CRI					Dimming	
ELR20PLE	8W	15°	27	2700K	HE	Ra-85	ND	Non-Dim	
			30	3000K	PA	ProART		PH	Phase
ELR20CLE	6.2W	25°	35	3500K	PP	ProART98	AN	0-10V	
			40	4000K				DA	DALI
		40°	40	4000K					
			50	5000K					

example: ELR20PLE.15.27.PA.DA