

20 PLE / 20 CLE flexik

8W / 6.2W FLEXIBLE WHITE LED ENGINE



AVAILABLE OPTIONS

LED MODULE

flexiK

1800K 5500K ProART flexiK

25° 40°

DRIVER DIMMING

(PH) (AN) (DA)

TECHNOLOGY AND FEATURES

Advanced Thermal Protection System

Low Flicker, No Risk (IEEE 1789)

Converging Optical Lens Maximising LOR

DIMENSIONS (MM)



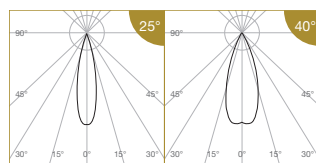
For designated fixtures only and NOT to be operated independently or with downlight fixtures.

SPECIFICATIONS

Family Type	20 Series
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	25°, 40°
Colour Temperatures	flexiK (any CCT within 1800K - 5500K by increment of 100K)
CRI	ProART (CRI~95)
SDCM	2 step MacAdam ellipse binning

Driver (Dimming)	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, WW-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

20 PLE / 20 CLE flexiK



Height (m)		Emax (lx)	
		25°	40°
1	E(0°)	1546	1364
	Cone Ø (m)	0.45	0.72
2	E(0°)	386	341
	Cone Ø (m)	0.91	1.45
3	E(0°)	172	152
	Cone Ø (m)	1.36	2.17
4	E(0°)	97	85
	Cone Ø (m)	1.82	2.90
5	E(0°)	62	55
	Cone Ø (m)	2.27	3.62

Correction Factor: 20CLE TW / FK - f = 0.84

ELR LED Module				Luminous Flux (lm)	
Type	LED Power	System Power	CRI	5500K	
				25°	40°
20 PLE FK	8W	10.5W	ProART CRI~95	735	735
20 CLE FK	6.2W	8.3W	ProART CRI~95	615	615

Data are based on maximum output at 5000K - 5500K range.
 3500K - 5000K will have a nominal data value of 5% lower than published.
 2700K - 3500K will have a nominal data value of 10% lower than published.
 2400K - 2700K will have a nominal data value of 20% lower than published.
 1800K - 2400K 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 Module				Driver	
LED Power	Beam Angle	Colour Temp	CRI	Dimming	
ELR20PLE	8W 25 25°	FK## flexiK	PA ProART	PH	Phase
ELR20CLE	6.2W 40 40°			AN	0-10V
				DA	DALI

denotes the first two digits of preferred CCT ranging from 1800K to 5500K by increment of 100K.

example: ELR20PLE.40.FK35.PA.PH