

20 PLE / 20 CLE 24CV

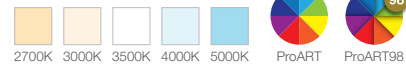
8W / 6.2W 24V DC CONSTANT VOLTAGE LED ENGINE



AVAILABLE OPTIONS

LED MODULE

SINGLE CCT



DRIVER DIMMING



TECHNOLOGY AND FEATURES



DIMENSIONS (MM)



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

SPECIFICATIONS

Family Type	20 Series
Input Voltage	24V DC Constant Voltage
Input Power	8W (20 PLE 24CV), 6.2W (20 CLE 24CV)
Colour	Black
Installation Compatibility	Compatible with ELR NEBULA-2 fixture variants
Lifetime	50,000 hours (80% lumen maintenance at Ta = 35°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)	Compatible with non-dim or phase (leading & trailing edge), 0-10V, DALI, DMX dimmable 24V DC constant voltage drivers
Materials	Aluminium, plastic
Fire Safety	Glow wire test 850°C, UL94V-0, VW-1
Flammability Mark	F
Ingress Protection	IP54 (module only)
Standards	IEC 62031
Regulatory Markings	CE, RoHS
Weight	50g

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Beam Angle	Height (m)	E(0°)	E _{max} (lx)			ELR LED Module		Luminous Flux (lm)			
			15°	25°	40°	Type	Input Power	CRI	3000K		
15°	1	E(0°)	3734	1855	994	20 PLE 24CV	8W	High Efficiency CRI-85	15°	25°	40°
		Cone Ø (m)	0.23	0.45	0.72				630	630	630
E(0°)	934	464	249	ProART CRI-95	536				536	536	
25°	2	E(0°)	415	206	110			ProART98 CRI-98	441	441	441
		Cone Ø (m)	0.47	0.91	1.45			20 CLE 24CV	6.2W	High Efficiency CRI-85	15°
E(0°)	233	116	62	520	520						520
Cone Ø (m)	0.70	1.36	2.17	ProART CRI-95	442	442	442				
40°	3	E(0°)	149	74	40	ProART98 CRI-98	364			364	364
		Cone Ø (m)	0.94	1.82	2.90	5	E(0°)			1.17	2.27

Correction Factor: 20CLE-24CV - f = 0.83

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							
Input Power		Beam Angle		Colour Temp		CRI	
ELR20PLE-24CV	8W	15	15°	27	2700K	HE	Ra-85
			25°		3000K		PA
ELR20CLE-24CV	6.2W	40	40°	35	3500K	PP	ProART98
			4000K				
			5000K				

example: ELR20PLE-24CV.15.27.PA

*Drivers for 24CV LED modules are sold separately, please refer to recommended driver list.