

20 PLE 48CV

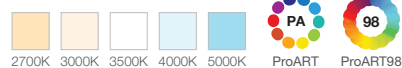
8W / 6.2W 48V DC CONSTANT VOLTAGE LED ENGINE



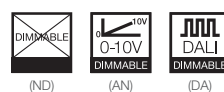
AVAILABLE OPTIONS

LED MODULE

SINGLE CCT



DRIVER DIMMING



TECHNOLOGY AND FEATURES



DIMENSIONS (MM)



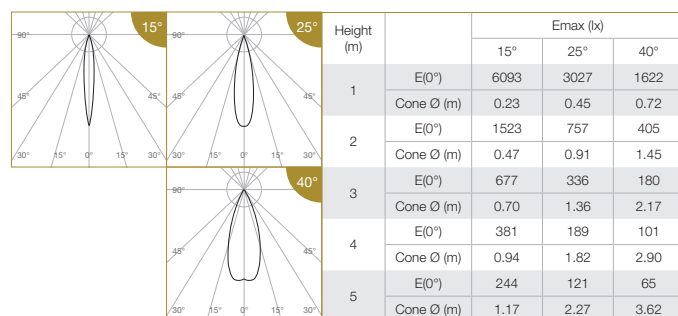
For designated fixtures only and NOT to be operated independently or with downlight fixtures.

SPECIFICATIONS

Family Type	20 Series
Typical Operating Voltage	48V
Typical Operating Current	165mA (20 PLE 48CV 8W), 130mA (20 PLE 48CV 6.2W)
System / Input Power	8W (20 PLE 48CV 8W), 6.2W (20 PLE 48CV 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
Dimming	Compatible with non-dim or 0-10V, DALI, DMX dimmable 48V DC constant voltage drivers
Mains Connection	2x0.5mm ² double insulated wires
Mains Voltage	48V DC constant voltage
Power Factor	N/A
Fire Safety	Glow wire test 850°C, UL94V-0, VW-1
Flammability Mark	F
Safety Class	Class 3
Standards	IEC 62031
Regulatory Markings	CE, RoHS

20 PLE 48CV 8W



Correction Factor: 20PLE-48CV 8W - f = 1.00
20PLE-48CV 6.2W - f = 0.77

ELR LED Engine			Luminous Flux (lm)		
Type	Input Power	CRI	3000K		
			15°	25°	40°
20 PLE 48CV	8W	High Efficiency ProART CRI-95	874	874	874
		ProART98 CRI-98	612	612	612
	6.2W	High Efficiency ProART CRI-95	677	677	677
		ProART98 CRI-98	474	474	474

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							
Input Power		Beam Angle		Colour Temp		CRI	
ELR20PLE-48CV.8	8W	15	15°	27	2700K	PA	ProART
			25°	30	3000K	PP	ProART98
ELR20PLE-48CV.6	6.2W	40	40°	35	3500K		
			40	4000K			
			50	5000K			

example: ELR20PLE-48CV.8.25.30.PA

*Drivers for 48CV LED engines are sold separately.