

50 PLE / 50 CLE / 50 CLO 24CV

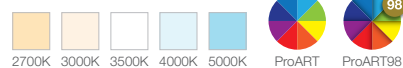
12W / 10W / 8W 24V DC CONSTANT VOLTAGE LED ENGINE



AVAILABLE OPTIONS

LED MODULE

SINGLE CCT



ACCESSORIES



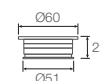
DRIVER DIMMING



TECHNOLOGY AND FEATURES



DIMENSIONS (MM)



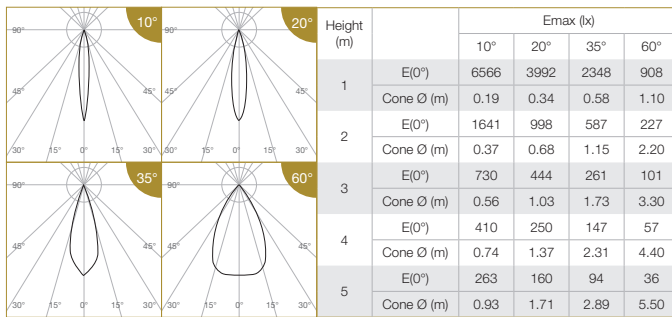
For designated fixtures only and NOT to be operated independently or with downlight fixtures.

SPECIFICATIONS

Family Type	50 Series
Input Voltage	24V DC Constant Voltage
Input Power	12W (50 PLE 24CV), 10W (50 CLE 24CV), 8W (50 CLO 24CV)
Colour	Black
Installation Compatibility	Compatible with ELR NEBULA-3 fixture variants
Lifetime	50,000 hours (80% lumen maintenance at Ta = 35°C), B10
Beam Angles	10°, 20°, 35°, 60°
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	IP40 for 10° beam, IP54 for 20°/35°/60° beam (module only)
Standards	IEC 62031
Regulatory Markings	CE, RoHS
Weight	70g

50 PLE / 50 CLE / 50 CLO 24CV



Correction Factor: 50CLE-24CV - f = 0.82
50CLO-24CV - f = 0.70

ELR LED Module			Luminous Flux (lm)			
Type	Input Power	CRI	3000K			
			10°	20°	35°	60°
50 PLE 24CV	12W	High Efficiency CRI~85	970	1050	1050	1050
		ProART CRI~95	825	893	893	893
		ProART98 CRI~98	679	735	735	735
50 CLE 24CV	10W	High Efficiency CRI~85	800	860	860	860
		ProART CRI~95	680	731	731	731
		ProART98 CRI~98	560	602	602	602
50 CLO 24CV	8W	High Efficiency CRI~85	630	740	740	740
		ProART CRI~95	536	629	629	629
		ProART98 CRI~98	441	518	518	518

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

Input Power	LED Module		Colour Temp	CRI		
	Beam Angle					
ELR50PLE-24CV	12W	10°	27	2700K	HE	Ra~85
ELR50CLE-24CV	10W	20°	30	3000K	PA	ProART
ELR50CLO-24CV	8W	35°	35	3500K	PP	ProART98
		60°	40	4000K		
			50	5000K		

example: ELR50CLE-24CV,10,40,PA

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