

50 PRO / 50 CLASSIC 24CV

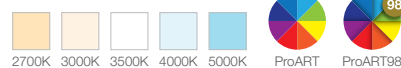
12W / 10W 24V DC CONSTANT VOLTAGE LED MODULE



AVAILABLE OPTIONS

LED MODULE

SINGLE CCT



ACCESSORIES



DRIVER DIMMING

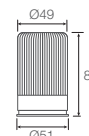


TECHNOLOGY AND FEATURES



Converging Optical Lens
Maximising LOR

DIMENSIONS (MM)



SPECIFICATIONS

Family Type	50 Series
Input Voltage	24V DC Constant Voltage
Input Power	12W (50 Pro 24CV), 10W (50 Classic 24CV)
Colour	Black
Installation Compatibility	Compatible with ELR size-3 fixtures or most MR16 fittings, ELR size-4 fixtures or most AR70 fittings with optional mounting brackets.
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	160g

50 CLASSIC 24CV

Beam Angle	Height (m)	E(0°)	Cone Ø (m)	E _{max} (lx)				ELR LED Module			Luminous Flux (lm)				
				10°	20°	35°	60°	Type	Input Power	CRI	3000K				
				10°	20°	35°	60°				10°	20°	35°	60°	
10°	1	E(0°)	6566	3992	2348	908	50 Pro 24CV	12W	High Efficiency CRI~85	970	1050	1050	1050		
		Cone Ø (m)	0.19	0.34	0.58	1.10				ProART CRI~95	825	893	893	893	
20°	2	E(0°)	1641	998	587	227			ProART98 CRI~98	679	735	735	735		
		Cone Ø (m)	0.37	0.68	1.15	2.20				800	860	860	860		
35°	3	E(0°)	730	444	261	101			50 Classic 24CV	10W	High Efficiency CRI~85	800	860	860	860
		Cone Ø (m)	0.56	1.03	1.73	3.30						ProART CRI~95	680	731	731
60°	4	E(0°)	410	250	147	57	ProART98 CRI~98	560			602	602	602		
		Cone Ø (m)	0.74	1.37	2.31	4.40		560			602	602	602		
60°	5	E(0°)	263	160	94	36									
		Cone Ø (m)	0.93	1.71	2.89	5.50									

Correction Factor: 50C-24CV - f = 0.82

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 16% 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				
ELR50P-24CV	12W	10°	27	2700K	HE	Ra~85	
ELR50C-24CV	10W	20°	30	3000K	PA	ProART	
		35°	35	3500K	PP	ProART98	
		60°	40	4000K			
		DD55	50	5000K			
		DD80					
	DD120						

example: ELR50C-24CV.10.40.PA

*Drivers for 24CV LED modules are sold separately.