

# 50 PRO 48CV

12W / 10W 48V DC CONSTANT VOLTAGE LED MODULE

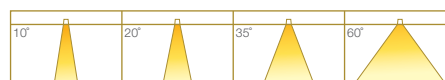
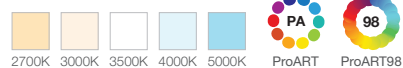
50 Pro 48CV 12W is formerly known as 50 Pro 48CV  
50 Pro 48CV 10W is formerly known as 50 Classic 48CV



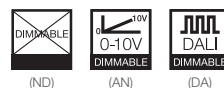
## AVAILABLE OPTIONS

### LED MODULE

#### SINGLE CCT



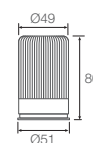
### DRIVER DIMMING



## TECHNOLOGY AND FEATURES



## DIMENSIONS (MM)



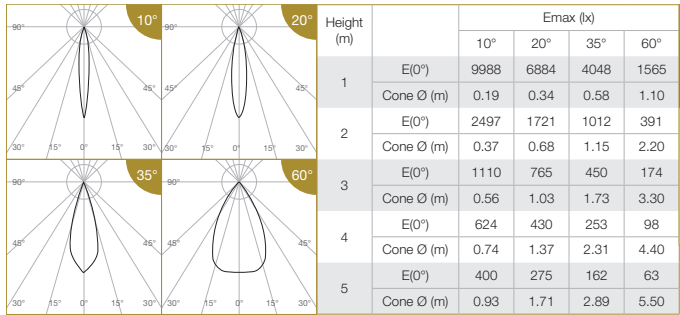
*For designated fixtures only and NOT to be operated independently or with downlight fixtures.*

SPECIFICATIONS

Family Type	50 Series
Typical Operating Voltage	48V
Typical Operating Current	250mA (50 Pro 48CV 12W), 210mA (50 Pro 48CV 10W)
System / Input Power	12W (50 Pro 48CV 12W), 10W (50 Pro 48CV 10W)
Colour	Black
Materials	Aluminium, plastic
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 = 25°C), B10
Beam Angles	10°, 20°, 35°, 60°
Colour Temperatures	2700K, 3000K, 3500K, 4000K, 5000K
CRI	High Efficiency ProART (CRI-95), ProART98 (CRI-98)
SDCM	2 step MacAdam ellipse binning

Ingress Protection	IP40 for 10° beam, IP54 for 20°/35°/60° beam
Weight	160g
Dimming	Compatible with non-dim or 0-10V, DALI, DMX dimmable 48V DC constant voltage drivers
Mains Connection	2x0.5mm <sup>2</sup> 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

50 PRO 48CV 12W



Correction Factor: 50P-48CV 12W - f = 1.00  
50P-48CV 10W - f = 0.83

ELR LED Module			Luminous Flux (lm)			
Type	Input Power	CRI	3000K			
			10°	20°	35°	60°
50 Pro 48CV	12W	High Efficiency ProART CRI-95	1254	1539	1539	1539
		ProART98 CRI-98	840	1031	1031	1031
	10W	High Efficiency ProART CRI-95	1045	1283	1283	1283
		ProART98 CRI-98	700	860	860	860

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 33% lower than published. (f = 0.67)

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-48CV.12	12W	10	10°	27	2700K	PA	ProART
ELR50P-48CV.10	10W	20	20°	30	3000K	PP	ProART98
		35	35°	35	3500K		
		60	60°	40	4000K		
		DD55	Ø55mm Dome Diffuser	50	5000K		
		DD80	Ø80mm Dome Diffuser				
		DD120	Ø120mm Dome Diffuser				

example: ELR50P-48CV.12.35.40.PA

\*Drivers for 48CV LED modules are sold separately.