

# 100 PRO 48CV

23W / 17W 48V DC CONSTANT VOLTAGE LED MODULE

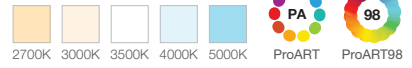
100 Pro 48CV 23W is formerly known as 100 Pro 48CV  
100 Pro 48CV 17W is formerly known as 100 Classic 48CV



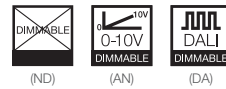
### AVAILABLE OPTIONS

#### LED MODULE

SINGLE CCT



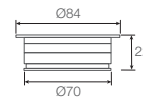
#### DRIVER DIMMING



### TECHNOLOGY AND FEATURES



### DIMENSIONS (MM)



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

SPECIFICATIONS

Family Type	100 Series	Ingress Protection	IP40 for 12° beam, IP54 for 20°/35°/60° beam
Typical Operating Voltage	48V	Weight	430g
Typical Operating Current	480mA (100 Pro 48CV 23W), 350mA (100 Pro 48CV 17W)	Dimming	Compatible with non-dim or 0-10V, DALI, DMX dimmable 48V DC constant voltage drivers
System / Input Power	23W (100 Pro 48CV 23W), 17W (100 Pro 48CV 17W)	Mains Connection	2x0.5mm <sup>2</sup> double insulated wires
Colour	Black	Mains Voltage	48V DC constant voltage
Materials	Aluminium, plastic	Power Factor	N/A
Compatibility	Compatible with ELR size-4 fixtures or most AR70 fittings, ELR size-6 fixtures or most AR111 fittings with optional mounting bracket.	Fire Safety	Glow wire test 850°C, UL94V-0, VW-1
Lifetime	50,000 hours (80% lumen maintenance at Ta = 25°C), B10	Flammability Mark	F
Beam Angles	12°, 20°, 35°, 60°	Safety Class	Class 3
Colour Temperatures	2700K, 3000K, 3500K, 4000K, 5000K	Standards	IEC 62031
CRI	High Efficiency ProART (CRI-95), ProART98 (CRI-98)	Regulatory Markings	CE, RoHS
SDCM	2 step MacAdam ellipse binning		

100 PRO 48CV 23W

		Height (m)	E <sub>max</sub> (lx)				ELR LED Module			Luminous Flux (lm)				
			12°	20°	35°	60°	Type	Input Power	CRI	3000K				
	1	E(0°)	16030	12471	6492	3421	100 Pro 48CV	23W	High Efficiency ProART CRI-95	2950	2950	2950	2950	
		Cone Ø (m)	0.27	0.40	0.67	1.02				ProART98 CRI-98	1977	1977	1977	1977
	2	E(0°)	4007	3118	1623	855			High Efficiency ProART CRI-95		17W	2180	2180	2180
		Cone Ø (m)	0.54	0.81	1.34	2.05		ProART98 CRI-98		1461		1461	1461	1461
	3	E(0°)	1781	1386	721	380			<small>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)</small>					
		Cone Ø (m)	0.81	1.21	2.01	3.07		<small>Nominal CRI-95, equals to Ra&gt;90-97, R9&gt;50 Nominal CRI-98, equals to Ra&gt;97-99, R9&gt;93</small>						
	4	E(0°)	1002	779	406	214								
		Cone Ø (m)	1.08	1.61	2.68	4.09								
	5	E(0°)	641	499	260	137								
		Cone Ø (m)	1.35	2.02	3.35	5.12								

Correction Factor: 100P-48CV 17W - f = 0.74

ORDERING MATRIX CHART

LED Module							
Input Power		Beam Angle		Colour Temp		CRI	
<b>ELR100P-48CV.23</b>	23W	<b>12</b>	12°	<b>27</b>	2700K	<b>PA</b>	ProART
<b>ELR100P-48CV.17</b>	17W	<b>20</b>	20°	<b>30</b>	3000K	<b>PP</b>	ProART98
		<b>35</b>	35°	<b>35</b>	3500K		
		<b>60</b>	60°	<b>40</b>	4000K		
				<b>50</b>	5000K		

example: ELR100P-48CV.23.20.40.PA

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