

20 PRO / 20 CLASSIC 24CV

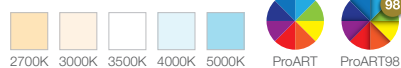
8W / 6.2W 24V DC CONSTANT VOLTAGE LED MODULE



AVAILABLE OPTIONS

LED MODULE

SINGLE CCT



DRIVER DIMMING



TECHNOLOGY AND FEATURES



DIMENSIONS (MM)



SPECIFICATIONS

Family Type	20 Series
Input Voltage	24V DC Constant Voltage
Input Power	8W (20 Pro 24CV), 6.2W (20 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	15°, 25°, 40°
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	IP54 (module only)
Standards	IEC 62031
Regulatory Markings	CE, RoHS
Weight	80g

20 PRO 24CV

Height (m)		Emax (lx)		
		15°	25°	40°
1	E(0°)	3734	1855	994
	Cone Ø (m)	0.23	0.45	0.72
2	E(0°)	934	464	249
	Cone Ø (m)	0.47	0.91	1.45
3	E(0°)	415	206	110
	Cone Ø (m)	0.70	1.36	2.17
4	E(0°)	233	116	62
	Cone Ø (m)	0.94	1.82	2.90
5	E(0°)	149	74	40
	Cone Ø (m)	1.17	2.27	3.62

Correction Factor: 20C-24CV - f = 0.83

ELR LED Module			Luminous Flux (lm)		
Type	Input Power	CRI	3000K		
			15°	25°	40°
20 Pro 24CV	8W	High Efficiency CRI~85	630	630	630
		ProART CRI~95	536	536	536
		ProART98 CRI~98	441	441	441
20 Classic 24CV	6.2W	High Efficiency CRI~85	520	520	520
		ProART CRI~95	442	442	442
		ProART98 CRI~98	364	364	364

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>83

ORDERING MATRIX CHART

LED Module							
Input Power		Beam Angle		Colour Temp		CRI	
ELR20P-24CV	8W	15	15°	27	2700K	HE	Ra~85
			25°				30
ELR20C-24CV	6.2W	25	40°	35	3500K	PP	ProART98
			40				4000K
			50				5000K

example: ELR20P-24CV.15.27.PA

*Drivers for 24CV LED modules are sold separately.