20 PRO

8W / 6.2W LED MODULE

20 Pro 8W is formerly known as 20 Pro
20 Pro 6.2W is formerly known as 20 Classic

AVAILABLE OPTIONS

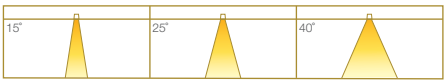
LED MODULE

SINGLE CCT

2700K 3000K 3500K 4000K 5000K

PA ProART

98 ProART98



DRIVER
DIMMING

(ND) (PH) (AN) (DA)

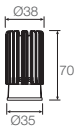
TECHNOLOGY AND FEATURES

ATePS
Advanced Thermal Protection System

ComfyEYE
Low Flicker, No Risk (IEEE 1789)

BEAM
Converging Optical Lens Maximising LOR

DIMENSIONS (MM)



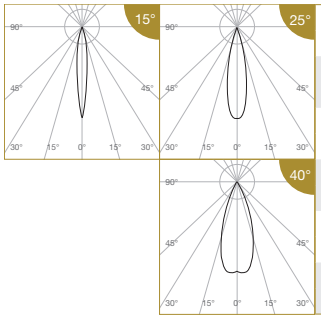
L145 x W31 x H26

SPECIFICATIONS

Family Type	20 Series
Typical Operating Voltage	34V
Typical Operating Current	230mA (20 Pro 8W), 180mA (20 Pro 6.2W)
System / Input Power	9.8W (20 Pro 8W), 7.6W (20 Pro 6.2W)
Colour	Black
Materials	Aluminium, plastic
Compatibility	Compatible with ELR size-2 fixtures or most MR11 fittings.
Lifetime	50,000 hours (80% lumen maintenance at Ta = 25°C), B10
Beam Angles	15°, 25°, 40°
Colour Temperatures	2700K, 3000K, 3500K, 4000K, 5000K
CRI	High Efficiency ProART (CRI~95), ProART98 (CRI~98)
SDCM	2 step MacAdam ellipse binning

Ingress Protection	IP54 (LED module only)
Weight	80g (LED module), 92g (driver)
Dimming	Non-dim, phase (leading & trailing edge), 0-10V, DALI
Mains Connection	Screw terminals for convenient connection
Mains Voltage	220-240V, 50Hz
Power Factor	>0.9
Fire Safety	Glow wire test 850°C, UL94V-0, VW-1
Flammability Mark	F
Safety Class	Class 2
Standards	IEC 62031, IEC 61347-2-13
Regulatory Markings	CE, CB, CCC, RCM, BIS, TIS, SIRIM-ST, RoHS

20 PRO 8W SINGLE CCT



Height (m)		Emax (lx) 15°	25°	40°
1	E(0°)	6414	3187	1707
	Cone Ø (m)	0.23	0.45	0.72
2	E(0°)	1603	797	427
	Cone Ø (m)	0.47	0.91	1.45
3	E(0°)	713	354	190
	Cone Ø (m)	0.70	1.36	2.17
4	E(0°)	401	199	107
	Cone Ø (m)	0.94	1.82	2.90
5	E(0°)	257	127	68
	Cone Ø (m)	1.17	2.27	3.62

Correction Factor: 20P 6.2W – ƒ = 0.78

ELR LED Module				Luminous Flux (lm) 3000K		
Type	LED Power	System Power	CRI	15°	25°	40°
20 Pro	8W	9.8W	High Efficiency ProART CRI~95	920	920	920
			ProART98 CRI~98	644	644	644
	6.2W	7.6W	High Efficiency ProART CRI~95	713	713	713
			ProART98 CRI~98	499	499	499

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. (ƒ = 1.05) ProART98 CRI~98 will have a nominal data value of 30% lower than published. (ƒ = 0.70)

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							
LED Power		Beam Angle		Colour Temp		CRI	
ELR20P.8	8W	**15**	15°	**27**	2700K	**PA**	ProART
ELR20P.6	6.2W	**25**	25°	**30**	3000K	**PP**	ProART98
		40	40°	**35**	3500K		
				40	4000K		
				50	5000K		

example: ELR20P.8.25.30.PA

Driver					
Type		Dimming		Output Power	
MP.DRA	Modular Pro ATePS Driver	**ND**	Non-Dim	**8**	8W
		PH	Phase	**6**	6.2W
		AN	0-10V		
		DA	DALI		

example: MP.DRA.DA.8

Note: Please ensure that LED Power of LED module matches the Output Power of driver when ordering.