20 PRO LR

10W / 8W LED MODULE

20 PLR stands for 20 Pro Low Rise

AVAILABLE OPTIONS

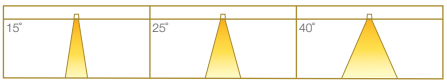
LED MODULE

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

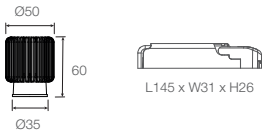
ComfyEYE

Low Flicker, No Risk (IEEE 1789)

BEAM

Converging Optical Lens Maximising LOR

DIMENSIONS (MM)

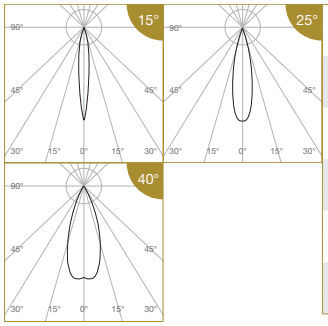


SPECIFICATIONS

Family Type	20 Series
Typical Operating Voltage	34V
Typical Operating Current	300mA (20PLR 10W), 230mA (20 PLR 8W)
System / Input Power	12.2W (20 PLR 10W), 9.8W (20 PLR 8W),
Lifetime	50,000 hours (80% lumen maintenance at Ta = 25°C), B10
Beam Angles	15°, 25°, 40°
Colour Temperatures	2400K, 2700K, 3000K, 3500K, 4000K, 5000K
CRI	High Efficiency ProART (CRI~95), ProART98 (CRI~98)
SDCM	2 step MacAdam ellipse binning

Ingress Protection	IP54 (LED engine only)
Dimming	Non-dim, phase (leading & trailing edge), 0-10V, DALI
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 LR 8W SINGLE CCT



Height (m)		Emax (lx)		
		15°	25°	40°
1	E(0°)	7411	3682	1973
	Cone Ø (m)	0.23	0.45	0.72
2	E(0°)	1853	920	493
	Cone Ø (m)	0.47	0.91	1.45
3	E(0°)	823	409	219
	Cone Ø (m)	0.70	1.36	2.17
4	E(0°)	463	230	123
	Cone Ø (m)	0.94	1.82	2.90
5	E(0°)	296	147	79
	Cone Ø (m)	1.17	2.27	3.62

Correction Factor: 20PLR 10W – ƒ = 1.00
20PLR 10W – ƒ = 0.87

ELR LED Engine				Luminous Flux (lm)		
Type	LED Power	System Power	CRI	3000K		
				15°	25°	40°
20 PLR	10W	12.2W	High Efficiency ProART CRI~95	1063	1063	1063
			ProART98 CRI~98	758	758	758
	8W	9.8W	High Efficiency ProART CRI~95	921	921	921
			ProART98 CRI~98	634	634	634

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)
At a CCT of 2400K, the minimal data value will be approximately 3% lower than the published value (ƒ = 0.97).
ProART98 CRI~98 will have a nominal data value of 31% lower than published. (ƒ = 0.69)
Nominal CRI~95, equals to Ra>90~97, R9>50
Nominal CRI~98, equals to Ra>97~99, R9>93

ORDERING MATRIX CHART

LED Engine							
LED Power		Beam Angle		Colour Temp		CRI	
ELR20PLR.10	10W	15	15°	24	2400K	PA	ProART
ELR20PLR.8	8W	25	25°	27	2700K	PP	ProART98
		40	40°	30	3000K		
				35	3500K		
				40	4000K		
				50	5000K		

example: ELR20PLR.10.25.30.PA

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

example: MP.DRA.DA.10

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