

# 20 PRO WARM DIM

## 8W / 6.2W DIM-TO-WARM LED MODULE

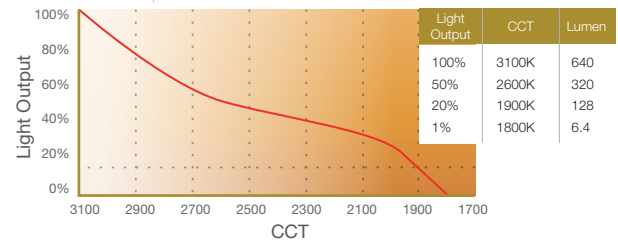
20 Pro Warm Dim 8W is formerly known as 20 Pro Warm Dim  
 20 Pro Warm Dim 6.2W is formerly known as 20 Classic Warm Dim



### AVAILABLE OPTIONS

#### LED MODULE

WARM DIM



#### DRIVER DIMMING



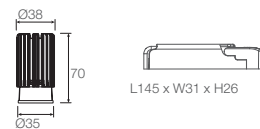
### TECHNOLOGY AND FEATURES

Advanced Thermal Protection System

Low Flicker, No Risk (IEEE 1789)

Converging Optical Lens Maximising LOR

### DIMENSIONS (MM)

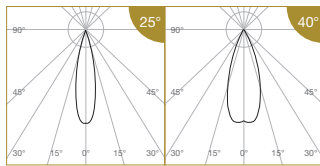


SPECIFICATIONS

Family Type	20 Series
Typical Operating Voltage	34V
Typical Operating Current	230mA (20 Pro Warm Dim 8W), 180mA (20 Pro Warm Dim 6.2W)
System / Input Power	9.8W (20 Pro Warm Dim 8W), 7.6W (20 Pro Warm Dim 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	25°, 40°
Colour Temperatures	Warm Dim (3100K - 1800K)
CRI	ProART (CRI~95)
SDCM	2 step MacAdam ellipse binning

Ingress Protection	IP54 (LED module only)
Weight	80g (LED module), 92g (driver)
Dimming	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 WARM DIM 8W



Height (m)		Emax (lx)	
		25°	40°
1	E(0°)	2217	1188
	Cone Ø (m)	0.45	0.72
2	E(0°)	554	297
	Cone Ø (m)	0.91	1.45
3	E(0°)	246	132
	Cone Ø (m)	1.36	2.17
4	E(0°)	139	74
	Cone Ø (m)	1.82	2.90
5	E(0°)	89	48
	Cone Ø (m)	2.27	3.62

Correction Factor: 20P WD 6.2W - f = 0.78

ELR LED Module				Luminous Flux (lm)	
Type	LED Power	System Power	CRI	3100K	
				25°	40°
20 Pro WD	8W	9.8W	ProART CRI~95	640	640
	6.2W	7.6W	ProART CRI~95	500	500

Data are based on maximum output at 3100K.  
Nominal CRI~95, equals to Ra>90~97, R9>50

ORDERING MATRIX CHART

LED Module						
LED Power		Beam Angle		Colour Temp		CRI
ELR20P.8	8W	25	25°	WD	Warm Dim	PA ProART
ELR20P.6	6.2W	40	40°			

example: ELR20P.8.40.WD.PA

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

example: MP.DRA.DA.8

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