

# 20 PRO / 20 CLASSIC WARM DIM

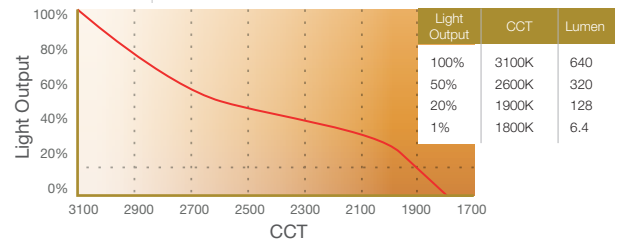
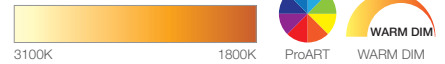
8W / 6.2W DIM-TO-WARM LED MODULE



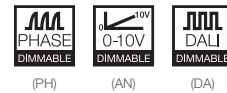
### AVAILABLE OPTIONS

#### LED MODULE

WARM DIM



#### DRIVER DIMMING



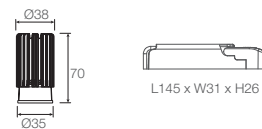
### TECHNOLOGY AND FEATURES

Advanced Thermal Protection System

Low Flicker, No Risk (IEEE 1789)

Converging Optical Lens Maximising LOR

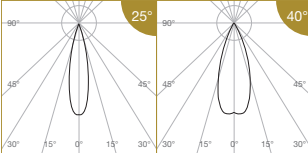
### DIMENSIONS (MM)



SPECIFICATIONS

Family Type	20 Series	Driver (Dimming)	Phase (leading & trailing edge), 0-10V, DALI
Mains Voltage	220-240V, 50Hz	Mains Connection	Screw terminals for convenient connection
Typical Operating Voltage	34V	Materials	Aluminium, plastic
Typical Operating Current	230mA (20 Pro), 180mA (20 Classic)	Fire Safety	Glow wire test 850°C, UL94V-0, WW-1
Colour	Black	Flammability Mark	F
Installation Compatibility	Compatible with ELR size-2 fixtures or most MR11 fittings.	Ingress Protection	IP54 (module only)
Lifetime	50,000 hours (80% lumen maintenance at Ta = 25°C), B10	Safety Class	Class 2
Beam Angles	25°, 40°	Standards	IEC 62031, IEC 61347-2-13
Colour Temperatures	Warm Dim (3100K - 1800K)	Regulatory Markings	CE, CB, CCC, RCM, BIS, TIS, SIRIM-ST, RoHS
CRI	ProART (CRI~95)	Weight	80g
SDCM	2 step MacAdam ellipse binning		

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Height (m)		E <sub>max</sub> (lx)		ELR Module				Luminous Flux (lm)	
		25°	40°	Type	LED Power	System Power	CRI	3100K	
1	E(0°)	2217	1188	20 Pro WD	8W	10.5W	ProART CRI-95	25°	40°
	Cone Ø (m)	0.45	0.72					640	640
2	E(0°)	554	297	20 Classic WD	6.2W	8.3W	ProART CRI-95	25°	40°
	Cone Ø (m)	0.91	1.45					500	500
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						

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

Correction Factor: 20C WD - f = 0.78

ORDERING MATRIX CHART

LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
<b>ELR20P</b>	8W	<b>25</b>	25°	<b>WD</b>	Warm Dim	<b>PA</b>	ProART	<b>PH</b>	Phase
<b>ELR20C</b>	6.2W	<b>40</b>	40°					<b>AN</b>	0-10V
								<b>DA</b>	DALI

example: ELR20P40.WD.PA.DA