

100 PRO WARM DIM

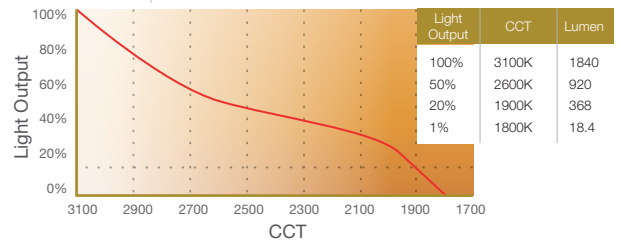
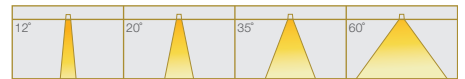
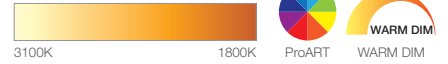
23W DIM-TO-WARM LED MODULE



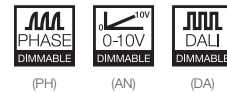
AVAILABLE OPTIONS

LED MODULE

WARM DIM



DRIVER DIMMING



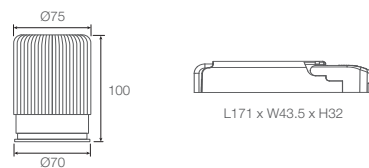
TECHNOLOGY AND FEATURES

Advanced Thermal Protection System

Low Flicker, No Risk (IEEE 1789)

Converging Optical Lens Maximising LOR

DIMENSIONS (MM)



SPECIFICATIONS

Family Type	100 Series
Mains Voltage	220-240V, 50Hz
Typical Operating Voltage	34V
Typical Operating Current	670mA
Colour	Black
Installation Compatibility	Compatible with ELR size-4 fixtures or most AR70 fittings, ELR size-6 fixtures or most AR111 fittings with optional mounting bracket.
Lifetime	50,000 hours (80% lumen maintenance at Ta = 35°C), B10
Beam Angles	12°, 20°, 35°, 60°
Colour Temperatures	Warm Dim (3100K - 1800K)
CRI	ProART (CRI~95)
SDCM	2 step MacAdam ellipse binning

Driver (Dimming)	Phase (leading & trailing edge), 0-10V, DALI
Mains Connection	Screw terminals for convenient connection
Materials	Aluminium, plastic
Fire Safety	Glow wire test 850°C, UL94V-0, WW-1
Flammability Mark	F
Ingress Protection	IP40 for 12° beam, IP54 for 20°/35°/60° beam (module only)
Safety Class	Class 2
Standards	IEC 62031, IEC 61347-2-13
Regulatory Markings	CE, CB, CCC, RCM, BIS, TIS, SIRIM-ST, RoHS
Weight	430g

100 PRO WARM DIM

Height (m)		Emax (lx)			
		12°	20°	35°	60°
1	E(0°)	9999	7779	4049	2134
	Cone Ø (m)	0.27	0.40	0.67	1.02
2	E(0°)	2500	1945	1012	533
	Cone Ø (m)	0.54	0.81	1.34	2.05
3	E(0°)	1111	864	450	237
	Cone Ø (m)	0.81	1.21	2.01	3.07
4	E(0°)	625	486	253	133
	Cone Ø (m)	1.08	1.61	2.68	4.09
5	E(0°)	400	311	162	85
	Cone Ø (m)	1.35	2.02	3.35	5.12

ELR Module				Luminous Flux (lm)			
Type	LED Power	System Power	CRI	3100K			
				12°	20°	35°	60°
100 Pro WD	23W	28W	ProART CRI~95	1840	1840	1840	1840

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

ORDERING MATRIX CHART

LED Module					Driver			
LED Power	Beam Angle		Colour Temp	CRI	Dimming			
ELR100P	23W	12	12°	WD	PA	ProART	PH	Phase
		20	20°				AN	0-10V
		35	35°				DA	DALI
		60	60°					

example: ELR100P.20.WD.PA.PH