

100 PRO WARM DIM

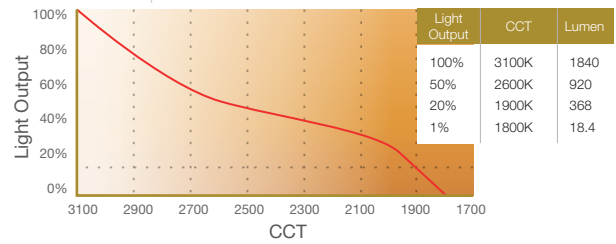
23W DIM-TO-WARM LED MODULE



AVAILABLE OPTIONS

LED MODULE

WARM DIM



DRIVER DIMMING



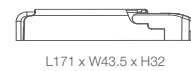
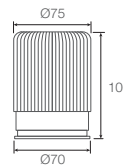
TECHNOLOGY AND FEATURES

Advanced Thermal Protection System

Low Flicker, No Risk (IEEE 1789)

Converging Optical Lens Maximising LOR

DIMENSIONS (MM)



LED Module

SPECIFICATIONS

Family Type	100 Series
Typical Operating Voltage	34V
Typical Operating Current	670mA (100 Pro Warm Dim 23W), 500mA (100 Pro Warm Dim 17W)
System / Input Power	28W (100 Pro Warm Dim 23W), 20.7W (100 Pro Warm Dim 17W)
Colour	Black
Materials	Aluminium, plastic
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 = 25°C), B10
Beam Angles	12°, 20°, 35°, 60°
Colour Temperatures	Warm Dim (3100K - 1800K)
CRI	ProART (CRI~95)
SDCM	2 step MacAdam ellipse binning

Ingress Protection	IP40 for 12° beam, IP54 for 20°/35°/60° beam (LED module only)
Weight	430g (LED module), 237g (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

100 PRO WARM DIM

Height (m)		E _{max} (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							
LED Power		Beam Angle		Colour Temp		CRI	
ELR100P.23	23W	12	12°	WD	Warm Dim	PA	ProART
		20	20°				
		35	35°				
		60	60°				

example: ELR100P.23.20.WD.PA

Driver					
Type		Dimming		Output Power	
MP.DRA	Modular Pro ATePS Driver	PH	Phase	23	23W
		AN	0-10V	17	17W
		DA	DALI		

example: MP.DRA.DA.23

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