

100 PLE

30W / 23W / 17W / 12W LED ENGINE

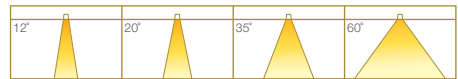
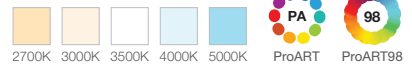
100 PLE 23W is formerly known as 100 PLE
 100 PLE 17W is formerly known as 100 CLE
 100 PLE 12W is formerly known as 100 CLO



AVAILABLE OPTIONS

LED MODULE

SINGLE CCT



DRIVER DIMMING



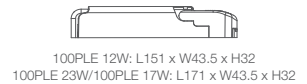
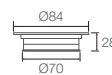
TECHNOLOGY AND FEATURES

Advanced Thermal Protection System

Low Flicker, No Risk (IEEE 1789)

Converging Optical Lens Maximising LOR

DIMENSIONS (MM)



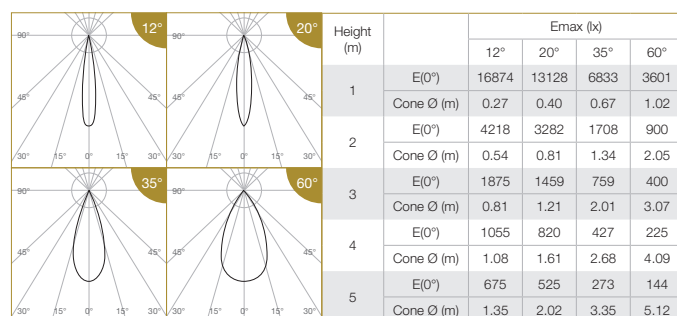
For designated fixtures only and NOT to be operated independently or with downlight fixtures.

SPECIFICATIONS

Family Type	100 Series
Typical Operating Voltage	34V
Typical Operating Current	850mA (100 PLE 30W), 670mA (100 PLE 23W), 500mA (100 PLE 17W), 350mA (100 PLE 12W)
System / Input Power	36.6W (100 PLE 30W), 28W (100 PLE 23W), 20.7W (100 PLE 17W), 14.6 (100 PLE 12W)
Colour	Black
Materials	Aluminium, plastic
Compatibility	Compatible with ELR SNOOP-4 and ELR NEBULA-4 fixture variants
Lifetime	50,000 hours (80% lumen maintenance at Ta = 25°C), B10
Beam Angles	12°, 20°, 35°, 60°
Colour Temperatures	2700K, 3000K, 3500K, 4000K, 5000K
CRI	High Efficiency ProART (CRI-95), ProART98 (CRI-98)
SDCM	2 step MacAdam ellipse binning

Ingress Protection	IP40 for 12° beam, IP54 for 20°/35°/60° beam (LED engine only)
Weight	140g (LED engine), 237g (driver)
Dimming	Non-dim, 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 PLE 23W SINGLE CCT



Correction Factor: 100PLE 30W - f = 1.26
 100PLE 23W - f = 1.00
 100PLE 17W - f = 0.74
 100PLE 12W - f = 0.52

ELR LED Engine				Luminous Flux (lm)			
Type	LED Power	System Power	CRI	3000K			
				12°	20°	35°	60°
100 PLE	30W	36.6W	High Efficiency ProART CRI-95	3900	3900	3900	3900
			ProART98 CRI-98	2613	2613	2613	2613
	23W	28W	High Efficiency ProART CRI-95	3105	3105	3105	3105
			ProART98 CRI-98	2080	2080	2080	2080
	17W	20.7W	High Efficiency ProART CRI-95	2295	2295	2295	2295
			ProART98 CRI-98	1538	1538	1538	1538
12W	14.6W	High Efficiency ProART CRI-95	1620	1620	1620	1620	
		ProART98 CRI-98	1085	1085	1085	1085	

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. (f = 1.05)
 ProART98 CRI-98 will have a nominal data value of 33% lower than published. (f = 0.67)

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		
ELR100PLE.30	30W	12	12°	27	2700K	PA	ProART
ELR100PLE.23	23W	20	20°	30	3000K	PP	ProART98
ELR100PLE.17	17W	35	35°	35	3500K		
ELR100PLE.12	12W	60	60°	40	4000K		
				50	5000K		

example: ELR100PLE.23.20.40.PA

Driver					
Type		Dimming		Output Power	
MP.DRA	Modular Pro ATePS Driver	ND	Non-Dim	30	30W
		PH	Phase	23	23W
		AN	0-10V	17	17W
		DA	DALI	12	12W

example: MP.DRA.DA.23

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