

100 PLE / 100 CLE / 100 CLO

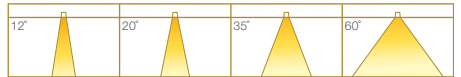
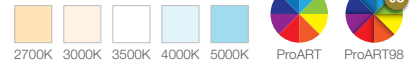
23W / 17W / 12W LED ENGINE



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)



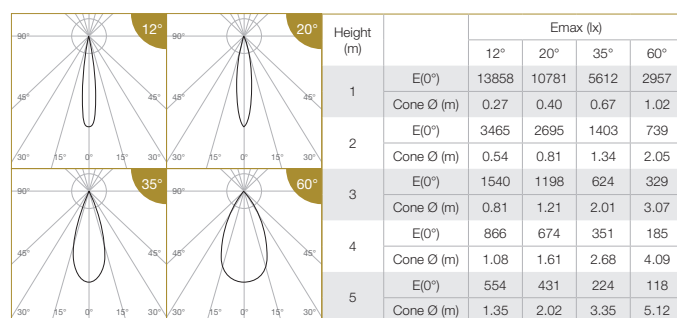
For designated fixtures only and NOT to be operated independently or with downlight fixtures.

SPECIFICATIONS

Family Type	100 Series
Mains Voltage	220-240V, 50Hz
Typical Operating Voltage	34V
Typical Operating Current	670mA (100 PLE), 500mA (100 CLE), 350mA (100 CLO)
Colour	Black
Installation Compatibility	Compatible with ELR SNOOP-4 and ELR NEBULA-4 fixture variants
Lifetime	50,000 hours (80% lumen maintenance at Ta = 35°C), B10
Beam Angles	12°, 20°, 35°, 60°
Colour Temperatures	2700K, 3000K, 3500K, 4000K, 5000K
CRI	High Efficiency (CRI~85), ProART (CRI~95), ProART98 (CRI~98)
SDCM	2 step MacAdam ellipse binning

Driver (Dimming)	Non-dim, 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, VW-1
Flammability Mark	F
Ingress Protection	IP40
Safety Class	Class 2
Standards	IEC 62031, IEC 61347-2-13
Regulatory Markings	CE, CB, CCC, RCM, BIS, TIS, SIRIM-ST, RoHS
Weight	140g

100 PLE / 100 CLE / 100 CLO SINGLE CCT



Correction Factor:
 100CLE - f = 0.69
 100CLO - f = 0.50

ELR LED Engine				Luminous Flux (lm)			
Type	LED Power	System Power	CRI	3000K			
				12°	20°	35°	60°
100 PLE	23W	28W	High Efficiency CRI~85	3000	3000	3000	3000
			ProART CRI~95	2550	2550	2550	2550
			ProART98 CRI~98	2100	2100	2100	2100
100 CLE	17W	21W	High Efficiency CRI~85	2060	2060	2060	2060
			ProART CRI~95	1751	1751	1751	1751
			ProART98 CRI~98	1442	1442	1442	1442
100 CLO	12W	15.2W	High Efficiency CRI~85	1500	1500	1500	1500
			ProART CRI~95	1275	1275	1275	1275
			ProART98 CRI~98	1050	1050	1050	1050

Data are based on 3000K (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)
 High Efficiency CRI~85 will have a nominal data value of 15% higher than published. (f = 1.17)
 ProART98 CRI~98 will have a nominal data value of 18% lower than published. (f = 0.82)

Nominal CRI~85, equals to Ra>80~87, R9>0
 Nominal CRI~95, equals to Ra>90~97, R9>50
 Nominal CRI~98, equals to Ra>97~99, R9>93

ORDERING MATRIX CHART

LED Module					Driver		
LED Power	Beam Angle		Colour Temp		CRI		Dimming
ELR100PLE	23W	12°	27	2700K	HE	Ra~85	ND Non-Dim
ELR100CLE	17W	20°	30	3000K	PA	ProART	PH Phase
ELR100CLO	12W	35°	35	3500K	PP	ProART98	AN 0-10V
		40°	40	4000K			DA DALI
		60°	50	5000K			

example: ELR100PLE.20.40.PA.DA