

100 CLO /
100 CLE /
100 PLE

13W / 17W / 23W
LED ENGINE



APPLICATION

- Hotel and galleries
- Offices
- Retail, fashion stores and showroom
- Residential

TECHNOLOGY BENEFITS

- Superior light rendering quality offering balanced white with embedded green and red tone
- Excellent cost savings and quicker ROI
- Quick installation, no costly modification required
- Low maintenance
- Comfort, safety and no glass

- Feather weight construction, ~140 grams
- Class 2 LED module with external LED driver
- >130 lm/W module
- Colour rendering index, Ra~85, ProART Ra~95
- 3 steps MacAdam ellipse binning
- ATePS™ smart thermal dimming to protect LED lifetime
- ComfyEYE aspect provides high quality uniform and comfort light with low stroboscopic optical flicker less than 5%**
- X-BEAM converging optical lens maximises luminaire light output ratio
- IP40



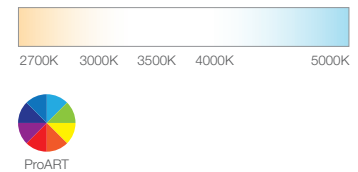
*ATEPS™ Automated Thermal Protection System is the trademark of ELR.

AVAILABLE OPTIONS

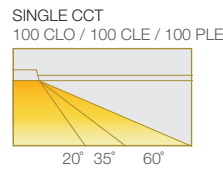
DRIVER



TEMPERATURE

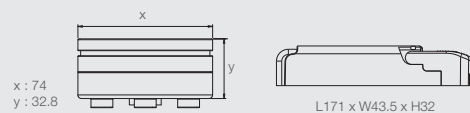


BEAM ANGLE



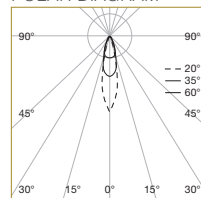
DIMENSIONS (MM)

*Displayed height measurements are for highest point of fitting.

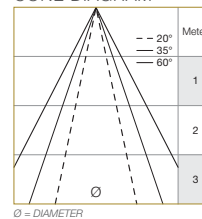


100 CLO

POLAR DIAGRAM



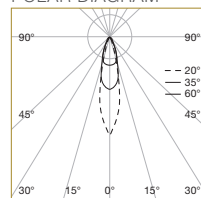
CONE DIAGRAM



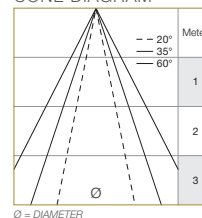
	Emax (lx)		
	20°	35°	60°
E (0°)	6765	3521	1855
Cone DØ (m)	0.40	0.67	1.02
E (0°)	1691	880	464
Cone DØ (m)	0.81	1.34	2.05
E (0°)	752	391	206
Cone DØ (m)	1.21	2.01	3.07

100 PRO / 100 PLE

POLAR DIAGRAM



CONE DIAGRAM



	Emax (lx)		
	20°	35°	60°
E (0°)	12684	6602	3479
Cone DØ (m)	0.40	0.67	1.02
E (0°)	3171	1651	870
Cone DØ (m)	0.81	1.34	2.05
E (0°)	1409	734	387
Cone DØ (m)	1.21	2.01	3.07

SYSTEM SPECIFICATIONS

Module	LED Lamp Power	LED System Power	Colour	Beam Angle	STANDARD CRI 85		PROART CRI 95		Driver Options
					Intensity (cd)	Luminous Flux	Intensity (cd)	Luminous Flux	
100 CLO	13W	16.5W	WARM : 2700K WARM : 3000K NATURAL : 3500K NATURAL : 4000K COOL : 5000K	60°	1860	1600	1581	1360	ND, PH, DA, AN
				35°	3520		2992		
				20°	6765		5750		
100 CLE	17W	21W		60°	2390	2060	2032	1751	
				35°	4530		3851		
				20°	8710		7404		
100 PLE	23W	28W		60°	3480	3000	2958	2550	
				35°	6600		5610		
				20°	12680		10778		

Data are based on 3000K. 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.

the table information is at nominal values accuracy of +/-7%
nominal CRI ~85, equal to Ra >80-87, R9 > 0
nominal CRI ~95, equal to Ra >90-97, R9 > 50

DETAILS SPECIFICATION

Family Type	100 CLO / 100 CLE / 100 PLE
Mains Voltage	220-240, 50Hz
Colour options	Black
Installation Compatibility	Optional with AR111 mounting brackets
Lifetime	50,000 hours (80% lumen maintenance at Ta = 35C°)
Dimming	Phase (triac) dimmer, 0-10V, DALI
Mains connection	Loop-in-loop-out terminals for convenient connection
Materials	Aluminium, plastic
Fire safety	Glow wire test 850C, UL94V-0, VW-1
Flammability mark	F
IP Code (Module Only)	IP40
Safety class	Class 2
Accessories	AR111
Standards	IEC 62031, IEC 61347-2-13
Regulatory markings	CE, CB, RCM
Weight	~140g

LED Power	LED MODULE			DRIVER
	Beam Angle	Colour Temp	CRI	Dimming
ELR100CLO 13W	—	—	—	—
ELR100CLE 17W	20 20°	27 2700K	Standard	ND Non-Dim
ELR100PLE 23W	35 35°	30 3000K	PA ProART	PH Phase
	60 60°	35 3500K		AN 0-10V
		40 4000K		DA DALI
		50 5000K		

example: ELR100CLO.20.40.DA