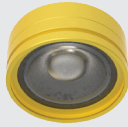


100 CLO /  
100 CLE /  
100 PLE

13W / 16W / 25W  
LED ENGINE



**ELR**<sup>®</sup>

- Feather weight construction, ~140 grams
- Class 2 LED module with external LED driver
- >100 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%\*\*
- IP40



The information above is at nominal values accuracy of +/-7%.

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

#### 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

#### AVAILABLE OPTIONS

##### DRIVER

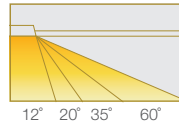


##### TEMPERATURE



##### BEAM ANGLE

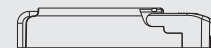
SINGLE CCT  
100 CLASSIC / 100 PRO



#### DIMENSIONS (MM)

\*Displayed height measurements are for highest point of fitting.

x : 74  
y : 32.8



L171 x W43.5 x H32

#### DETAILS SPECIFICATION

Family Type	100 CLO / 100 CLE / 100 PLE
Mains voltage	100 - 240, 50Hz
Colour options	Gold anodized
Installation Compatibility	Optional with AR111 mounting brackets
Lifetime	50,000 hours (80% lumen maintenance at Ta = 35°C)
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	IP40
Safety class	Class 2
Accessories	AR111
Standards	IEC 62031, IEC 61347-2-13
Regulatory markings	CE, CB, RCM
Weight	~140g

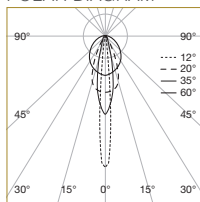
## SYSTEM SPECIFICATIONS

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	15W	WARM : 2700K WARM : 3000K NEUTRAL : 3500K NATURAL : 4000K COOL : 5000K	60°	750	1500	638	1275	ND, PH, DA, AN
				35°	3000	1500	2550	1275	
				20°	5300	1500	4505	1275	
				12°	13500	1250	11475	1063	
100 CLE	16W	19W		60°	1000	2000	850	1700	
				35°	4000	2000	3400	1700	
				20°	7150	2000	6078	1700	
				12°	18000	1650	15300	1403	
100 PLE	25W	28W		60°	1700	3000	1445	2550	
				35°	6000	3000	5100	2550	
				20°	10000	3000	8500	2550	
				12°	27000	2500	22950	2125	

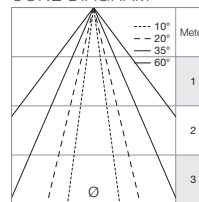
the table information is at nominal values accuracy of +/-7%  
nominal CRI ~85, equal to Ra >80-87, R9 > 0  
nominal CRI ~95, equal to Ra >90-97, R9 > 50

### 100 CLO

#### POLAR DIAGRAM



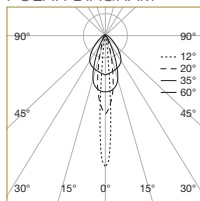
#### CONE DIAGRAM



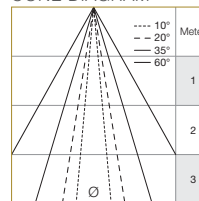
	E <sub>max</sub> (lx)			
	12°	20°	35°	60°
E (0°)	13782.5	5233.5	2995	796
Cone DØ (m)	0.22	0.40	0.72	1.73
E (0°)	3445.625	1308.375	748.75	199
Cone DØ (m)	0.44	0.80	1.44	3.46
E (0°)	1531	582	333	88
Cone DØ (m)	0.66	1.20	2.16	5.19

### 100 CLE

#### POLAR DIAGRAM



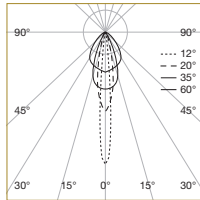
#### CONE DIAGRAM



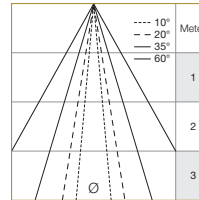
	E <sub>max</sub> (lx)			
	12°	20°	35°	60°
E (0°)	18744.2	7117.56	4073.2	1082.56
Cone DØ (m)	0.22	0.40	0.72	1.73
E (0°)	4686.05	1779.39	1018.3	270.64
Cone DØ (m)	0.44	0.80	1.44	3.46
E (0°)	2083	791	453	120
Cone DØ (m)	0.66	1.20	2.16	5.19

### 100 PLE

#### POLAR DIAGRAM



#### CONE DIAGRAM



	E <sub>max</sub> (lx)			
	12°	20°	35°	60°
E (0°)	27565	10467	5990	1592
Cone DØ (m)	0.22	0.40	0.72	1.73
E (0°)	6891.25	2616.75	1497.5	398
Cone DØ (m)	0.44	0.80	1.44	3.46
E (0°)	3063	1163	666	177
Cone DØ (m)	0.66	1.20	2.16	5.19

LED MODULE					DRIVER	
LED Power	Beam Angle	Colour Temp	CRI	Dimming		
<b>ELR100CLO</b> 13W	—	—	—	—		
<b>ELR100CLE</b> 16W	12 12°	27 2700K	Standard	<b>ND</b> Non-Dim		
<b>ELR100PLE</b> 25W	20 20°	30 3000K	<b>PA</b> ProART	<b>PH</b> Phase		
	35 35°	35 3500K		<b>AN</b> 0-10V		
	60 60°	40 4000K		<b>DA</b> DALI		
		50 5000K				

example: ELR100CLO.12.40.DA