

100 CLASSIC / 100 PRO

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, ~190 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



(ND)

(PH)

(AN)

(DA)

TEMPERATURE



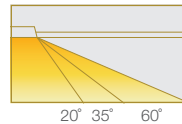
2700K 3000K 3500K 4000K 5000K



ProART

BEAM ANGLE

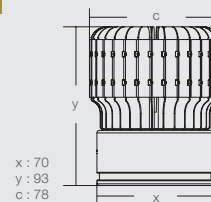
SINGLE CCT
100 CLASSIC / 100 PRO



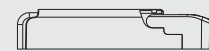
20° 35° 60°

DIMENSIONS (MM)

*Displayed height measurements are for highest point of tilting.



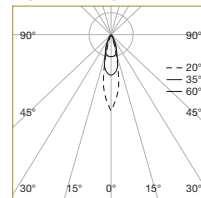
x : 70
y : 93
c : 78



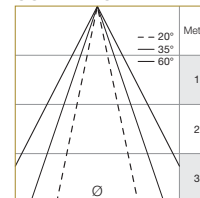
L171 x W43.5 x H32

100 CLASSIC / 100 CLE

POLAR DIAGRAM



CONE DIAGRAM

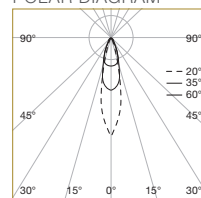


Ø = DIAMETER

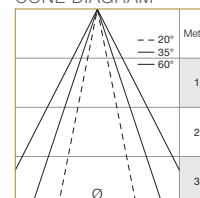
	Emax (lx)		
	20°	35°	60°
E (0°)	8710	4534	2389
Cone DØ (m)	0.40	0.67	1.02
E (0°)	2177	1133	597
Cone DØ (m)	0.81	1.34	2.05
E (0°)	968	504	265
Cone DØ (m)	1.21	2.01	3.07

100 PRO / 100 PLE

POLAR DIAGRAM



CONE DIAGRAM



Ø = DIAMETER

	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 CLASSIC	17W	21W	WARM : 2700K WARM : 3000K NATURAL : 3500K NATURAL : 4000K COOL : 5000K	60°	2390	2060	2032	1751	ND, PH, DA, AN
				35°	4530		3851		
				20°	8710		7404		
100 PRO	23W	28W	WARM : 2700K WARM : 3000K NATURAL : 3500K NATURAL : 4000K COOL : 5000K	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 CLASSIC / 100 PRO Series
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), B10
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	~190g

LED MODULE				DRIVER
LED Power	Beam Angle	Colour Temp	CRI	Dimming
ELR100C 17W	—	—	—	—
ELR100P 23W	20 20°	27 2700K	Standard	ND Non-Dim
	35 35°	30 3000K	PA ProART	PH Phase
	60 60°	35 3500K		AN 0-10V
		40 4000K		DA DALI
		50 5000K		

example: ELR100C.20.40.DA