

100 PRO WARM DIM LED ENGINE

23W DIM-TO-WARM
LED ENGINE



- Feather weight construction, ~140 grams
- Class 2 LED module with external LED driver
- >95 lm/W module
- Colour rendering index, 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.

APPLICATION

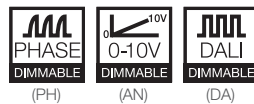
- Hotel and galleries
- Offices
- Retail, fashion stores and showroom
- Residential

TECHNOLOGY BENEFITS

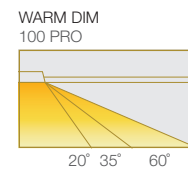
- Superior light rendering quality offering balanced white with embedded green and red tone
- Excellent cost savings and quicker ROI
- Quick installation, no costly modification required
- Low maintenance
- Comfort, safety and no glass

AVAILABLE OPTIONS

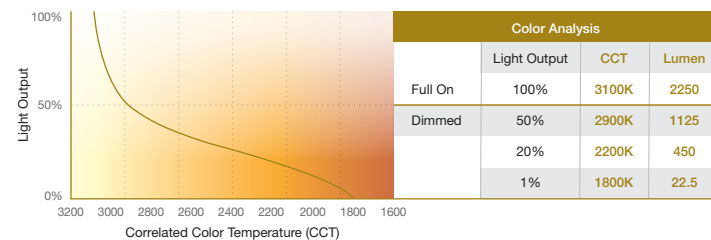
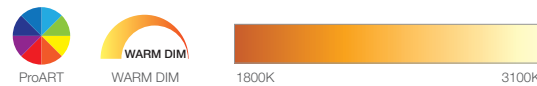
DRIVER



BEAM ANGLE

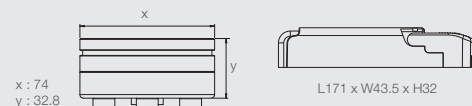


TEMPERATURE



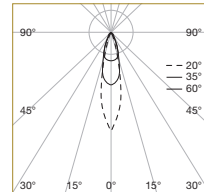
DIMENSIONS (MM)

*Displayed height measurements are for highest point of fitting.

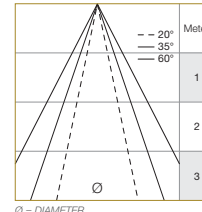


100 PRO / 100 PLE WARM DIM

POLAR DIAGRAM



CONE DIAGRAM



	Emax (lx)		
	20°	35°	60°
E (0°)	9301	4842	2551
Cone DØ (m)	0.40	0.67	1.02
E (0°)	2325	1210	638
Cone DØ (m)	0.81	1.34	2.05
E (0°)	1033	538	283
Cone DØ (m)	1.21	2.01	3.07

SYSTEM SPECIFICATIONS

LED Lamp Power	LED System Power	Colour	CCT	Beam Angle	PROART CRI 95		Driver Options
					Intensity (cd)	Luminous Flux	
23W	28W	WARM DIM	3100K ~ 1800K	60°	2550	2200	PH, AN, DA
				35°	4840		
				20°	9300		

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

DETAILS SPECIFICATION

Family Type	100 PRO WARM DIM Series
Mains Voltage	220-240, 50Hz
Colour options	Black
Installation Compatibility	Optional AR111 mounting brackets available
Lifetime	50,000 hours (80% lumen maintenance at Ta = 35°C), 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 850°C, 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 MODULE				DRIVER
LED Power	Beam Angle	Colour Temp	CRI	Dimming
ELR100PLE 23W	—	—	—	—
20	20°	WD WARM DIM	PA ProART	PH Phase
35	35°			AN 0-10V
60	60°			DA DALI

example: ELR100PLE.20.WD.PA.PH