

100 PLE tuneWHITE™

23W TUNABLE WHITE
LED ENGINE



- Feather weight construction, ~140 grams
- Class 2 LED engine with external LED driver
- >80 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.

**Optical flicker percentage is measured at maximum output.

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

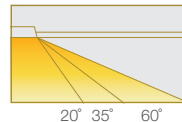


COLOUR TEMPERATURE

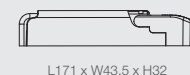


BEAM ANGLE

tuneWHITE™
100 PRO

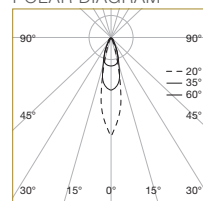


DIMENSIONS (MM)

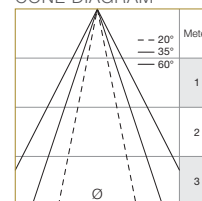


100 PRO / 100 PLE flexiK / tuneWHITE™

POLAR DIAGRAM



CONE DIAGRAM



Ø = DIAMETER

	Emax (lx)		
	20°	35°	60°
E (0°)	8033	4181	2203
Cone DØ (m)	0.40	0.67	1.02
E (0°)	2008	1045	551
Cone DØ (m)	0.81	1.34	2.05
E (0°)	893	465	245
Cone DØ (m)	1.21	2.01	3.07

SYSTEM SPECIFICATIONS

LED Lamp Power	LED System Power	Colour Temperature	Beam Angle	PROART CRI 95		Driver Options
				Intensity (cd)	Luminous Flux (lm)	
23W	28W	tuneWHITE™ 1800K ~ 4000K OR 2700K ~ 6500K	60°	2200	1900	DA
			35°	4180		
			20°	8030		

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 Series
Mains Voltage	220-240, 50Hz
Colour	Black
Installation Compatibility	Compatible with ELR SNOOP-4 fixture variants
Lifetime	50,000 hours (80% lumen maintenance at Ta = 35°C), B10
Dimming	DALI device type 8
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
Standards	IEC 62031, IEC 61347-2-13
Regulatory markings	CE, CB, CCC, RCM, BIS, TIS, SIRIM-ST, RoHS
Weight	~ 140g

ORDERING MATRIX CHART

LED MODULE				DRIVER	
LED Power	Beam Angle	Colour Temp	CRI	Dimming	
ELR100PLE 23W	20 20°	TW18 tuneWHITE™ 1800K-4000K	PA ProART	DA	DALI
	35 35°	TW27 tuneWHITE™ 2700K-6500K			
	60 60°				

example: ELR100PLE.35.TW27.PA.DA