100 PRO
LED ENGINE
tuneWHITE™

23W TUNABLE WHITE LED ENGINE

ELR®

- Feather weight construction, ~140 grams
- Class 2 LED module 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™

ComfyEYE

X BEAM

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

** Optical flicker percentage is measured at maximum output. ComfyEYE for NEST is only available with R45 all-in-one LED driver (PH, AN, DA) and 36V COB LED Chipsets

tuneWHITE™ is recommended to pair with Soft Lens for better colour mixing effect.

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
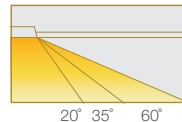
AVAILABLE OPTIONS

DRIVER

DALI DIMMABLE

(DA)
DALI PART 209

TEMPERATURE

1800K — 4000K   2700K — 6500K

ProART   tuneWHITE™

BEAM ANGLE

tuneWHITE™
100 PRO

20° 35° 60°

DIMENSIONS (MM)

*Displayed height measurements are for highest point of tilting.

x

y

x : 74
y : 32.8

L171 x W43.5 x H32
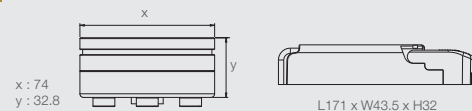
100 PRO / 100 PLE flexiK / tuneWHITE™

POLAR DIAGRAM

90° — 90°
45° — 45°
30° 15° 0° 15° 30°

-- 20°
-- 35°
-- 60°

CONE DIAGRAM

-- 20°
-- 35°
-- 60°

Ø

Ø = DIAMETER
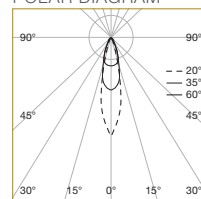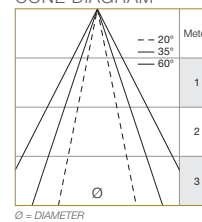
	Meter	Emax (lx)		
		20°	35°	60°
E (0°)	1	8033	4181	2203
Cone DØ (m)		0.40	0.67	1.02
E (0°)	2	2008	1045	551
Cone DØ (m)		0.81	1.34	2.05
E (0°)	3	893	465	245
Cone DØ (m)		1.21	2.01	3.07

SYSTEM SPECIFICATIONS

LED Lamp Power	LED System Power	Colour	CCT	Beam Angle	PROART CRI 95		Driver Options
					Intensity (cd)	Luminous Flux	
23W	28W	tuneWHITE™	1800K ~ 4000K	60°	2200	1900	DA
			OR	35°	4180		
			2700K ~ 6500K	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 PRO LED ENGINE tuneWHITE™ 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	DALI device type 8
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 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