

100 PRO tuneWHITE™

23W TUNABLE WHITE
LED MODULE



- Feather weight construction, ~190 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™ 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

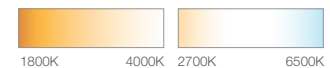
DRIVER



(DA)

DALI PART
209

TEMPERATURE



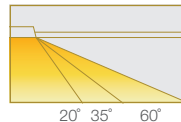
ProART



tuneWHITE™

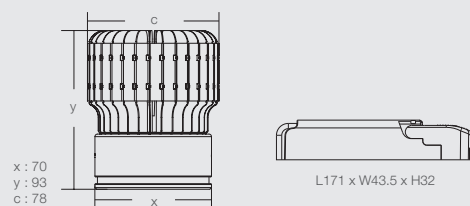
BEAM ANGLE

tuneWHITE™
100 PRO



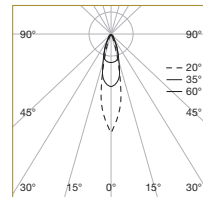
DIMENSIONS (MM)

*Displayed height measurements are for highest point of fitting.

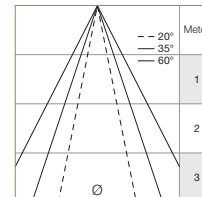


100 PRO / 100 PLE flexiK / tuneWHITE™

POLAR DIAGRAM



CONE DIAGRAM



Ø = DIAMETER

| | E _{max} (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 | 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 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 = 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 |
| 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 | |
| ELR100P 23W | — | — | — | — | |
| 20 | 20° | TW18 tuneWHITE™ 1800K-4000K | PA ProART | DA DALI | |
| 35 | 35° | TW27 tuneWHITE™ 2700K-6500K | | | |
| 60 | 60° | | | | |

example: ELR100P.35.TW27.PA.DA