

50 PRO WARM DIM

12W DIM-TO-WARM LED
MODULE



- Feather weight construction, ~100 grams
- Class 2 LED module with external LED driver
- >100 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

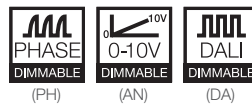
- Hotel and galleries
- Offices
- Retail, fashion stores and showroom
- Residential

TECHNOLOGY BENEFITS

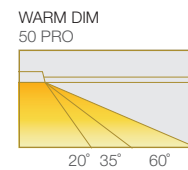
- Superior light rendering quality offering balanced white with embedded green and red tone
- Excellent cost savings and quicker ROI
- Quick installation, no costly modification required
- Low maintenance
- Comfort, safety and no glass

AVAILABLE OPTIONS

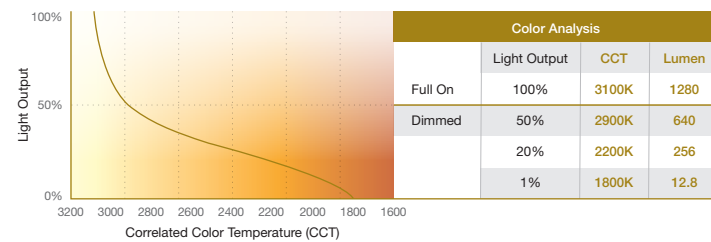
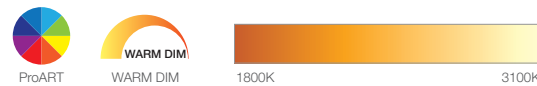
DRIVER



BEAM ANGLE

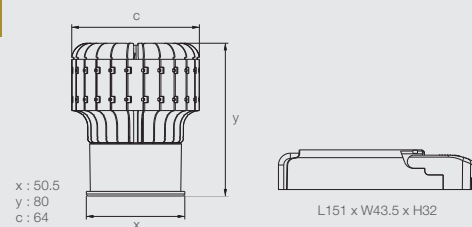


TEMPERATURE



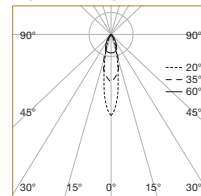
DIMENSIONS (MM)

*Displayed height measurements are for highest point of tilting.

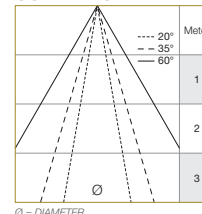


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POLAR DIAGRAM



CONE DIAGRAM



| | Emax (lx) | | |
|-------------|-----------|------|------|
| | 20° | 35° | 60° |
| E (0°) | 5726 | 3367 | 1166 |
| Cone DØ (m) | 0.34 | 0.58 | 1.15 |
| E (0°) | 1431 | 842 | 292 |
| Cone DØ (m) | 0.68 | 1.15 | 2.31 |
| E (0°) | 636 | 374 | 130 |
| Cone DØ (m) | 1.03 | 1.73 | 3.45 |

SYSTEM SPECIFICATIONS

| LED Lamp Power | LED System Power | Colour | CCT | Beam Angle | PROART CRI 95 | | Driver Options |
|----------------|------------------|----------|---------------|------------|----------------|---------------|----------------|
| | | | | | Intensity (cd) | Luminous Flux | |
| 12W | 16.5W | WARM DIM | 3100K ~ 1800K | 60° | 1160 | 1280 | PH, AN, DA |
| | | | | 35° | 3360 | | |
| | | | | 20° | 5720 | | |

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

DETAILS SPECIFICATION

| | |
|----------------------------|---|
| Family Type | 50 PRO WARM DIM Series |
| Mains Voltage | 220-240, 50Hz |
| Colour options | Black |
| Installation Compatibility | Compatible with most MR16 fittings. Optional AR70 and AR111 mounting brackets available. |
| 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 850°C, UL94V-0, VW-1 |
| Flammability mark | F |
| IP Code (Module Only) | IP40 |
| Safety class | Class 2 |
| Accessories | AR70, AR111 |
| Standards | IEC 62031, IEC 61347-2-13 |
| Regulatory markings | CE, CB, RCM |
| Weight | ~ 100g |

| LED MODULE | | | | DRIVER |
|-------------------|---------------|--------------------|------------------|-----------------|
| LED Power | Beam Angle | Colour Temp | CRI | Dimming |
| ELR50P 12W | — | — | — | — |
| | 20 20° | WD WARM DIM | PA ProART | PH Phase |
| | 35 35° | | | AN 0-10V |
| | 60 60° | | | DA DALI |

example: ELR50P.35.WD.PA.PH