**ELR**®

# 50 PRO flexiK

## 12W FLEXIBLE WHITE LED MODULE

### AVAILABLE OPTIONS

**LED MODULE**

flexiK

1800K      5500K    ProART    flexiK

flexiK

20°      35°      60°

**ACCESSORIES**

Dome Diffuser:    Ø120    Ø80    Ø55

**DRIVER**
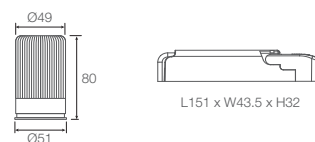DIMMING

PHASE DIMMABLE    0-10V DIMMABLE    DALI DIMMABLE

(PH)      (AN)      (DA)

### TECHNOLOGY AND FEATURES

ATePS

Advanced Thermal
Protection System

ComfyEYE

Low Flicker,
No Risk
(IEEE 1789)

X BEAM

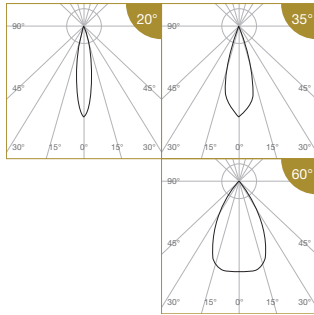Converging Optical Lens
Maximising LOR

### DIMENSIONS (MM)

Ø49

80

Ø51

L151 x W43.5 x H32

   *The information above is at nominal values accuracy of +/-7%. For the latest specifications please refer to the website.*

# LED Module

## SPECIFICATIONS

| | | | |
|---|---|---|---|
| Family Type | 50 Series | Driver (Dimming) | Phase (leading & trailing edge), 0-10V, DALI |
| Mains Voltage | 220-240V, 50Hz | Mains Connection | Screw terminals for convenient connection |
| Typical Operating Voltage | 34V | Materials | Aluminium, plastic |
| Typical Operating Current | 350mA | Fire Safety | Glow wire test 850°C, UL94V-0, VW-1 |
| Colour | Black | Flammability Mark | F |
| Installation Compatibility | Compatible with ELR size-3 fixtures or most MR16 fittings, ELR size-4 fixtures or most AR70 fittings with optional mounting brackets. | Ingress Protection | IP54 (module only) |
| | | Safety Class | Class 2 |
| Lifetime | 50,000 hours (80% lumen maintenance at Ta = 35°C), B10 | Standards | IEC 62031, IEC 61347-2-13 |
| Beam Angles | 20°, 35°, 60° | Regulatory Markings | CE, CB, CCC, RCM, BIS, TIS, SIRIM-ST, RoHS |
| Colour Temperatures | flexiK (any CCT within 1800K - 5500K by increment of 100K) | Weight | 160g |
| CRI | ProART (CRI~95) | | |
| SDCM | 2 step MacAdam ellipse binning | | |

## 50 PRO flexiK



| Height (m) | | Emax (lx) | | |
|---|---|---|---|---|
| | | 20° | 35° | 60° |
| 1 | E(0°) | 5323 | 3130 | 1210 |
| | Cone Ø (m) | 0.34 | 0.58 | 1.10 |
| 2 | E(0°) | 1331 | 783 | 303 |
| | Cone Ø (m) | 0.68 | 1.15 | 2.20 |
| 3 | E(0°) | 591 | 348 | 134 |
| | Cone Ø (m) | 1.03 | 1.73 | 3.30 |
| 4 | E(0°) | 333 | 196 | 76 |
| | Cone Ø (m) | 1.37 | 2.31 | 4.40 |
| 5 | E(0°) | 213 | 125 | 48 |
| | Cone Ø (m) | 1.71 | 2.89 | 5.50 |

| ELR Module | | | | Luminous Flux (lm) | | |
|---|---|---|---|---|---|---|
| | | | | 5500K | | |
| Type | LED Power | System Power | CRI | 20° | 35° | 60° |
| 50 Pro FK | 12W | 15.2W | ProART CRI~95 | 1190 | 1190 | 1190 |

*Data are based on maximum output at 5000K - 5500K range.*
*3500K - 5000K will have a nominal data value of 5% lower than published.*
*2700K - 3500K will have a nominal data value of 10% lower than published.*
*2400K - 2700K will have a nominal data value of 20% lower than published.*
*1800K - 2400K will have a nominal data value of 30% lower than published.*

*Nominal CRI~95, equals to Ra>90~97, R9>50*

| LED Module | | | | | | Driver | |
|---|---|---|---|---|---|---|---|
| LED Power | | Beam Angle | | Colour Temp | | CRI | Dimming |
| ELR50P | 12W | 20 | 20° | FK## | flexiK | PA | ProART | PH | Phase |
| | | 35 | 35° | | | | | AN | 0-10V |
| | | 60 | 60° | | | | | DA | DALI |
| | | DD55 | Ø55mm Dome Diffuser | | | | | | |
| | | DD80 | Ø80mm Dome Diffuser | | | | | | |
| | | DD120 | Ø120mm Dome Diffuser | | | | | | |

*## denotes the first two digits of preferred CCT ranging from 1800K to 5500K by increment of 100K.*

*example: ELR50P.35.FK35.PA.PH*