

## 100 PRO LED ENGINE flexiK

23W FLEXIBLE WHITE  
LED ENGINE



- 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™ 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

*flexiK is recommended to pair with Soft Lens for better colour mixing effect.*

### APPLICATION

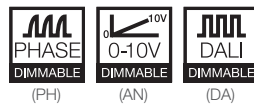
- Hotel and galleries
- Offices
- Retail, fashion stores and showroom
- Residential

### 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



#### TEMPERATURE



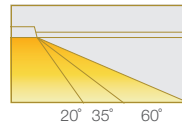
ProART



flexiK

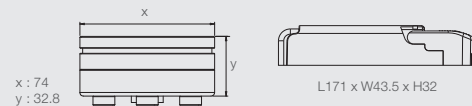
#### BEAM ANGLE

flexiK  
100 PRO



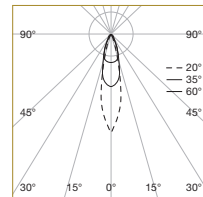
### DIMENSIONS (MM)

\*Displayed height measurements are for highest point of fitting.

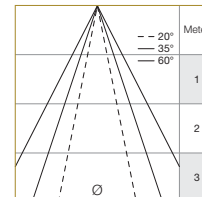


### 100 PRO / 100 PLE flexiK / tuneWHITE™

#### POLAR DIAGRAM



#### CONE DIAGRAM



Ø = DIAMETER

	E <sub>max</sub> (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	flexiK	1800K ~ 6500K	60°	2200	1900	PH, AN, 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 PRO LED ENGINE flexiK 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	Phase (triac) dimmer, 0-10V, DALI
Mains connection	Loop-in-loop-out terminals for convenient connection
Materials	Aluminium, plastic
Fire safety	Glow wire test 850C, UL94V-0, WW-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
<b>ELR100PLE</b> 23W	---	---	---	---
<b>20</b>	20°	<b>FK##</b> flexiK	<b>PA</b> ProART	<b>PH</b> Phase
<b>35</b>	35°			<b>AN</b> 0-10V
<b>60</b>	60°			<b>DA</b> DALI

## denotes the first two digits of preferred CCT ranging from 1800K to 6500K by increment of 100K  
(ELR 100 PRO 25W LED Engine, 35° Beam Angle, 3500K CCT, ProART CRI>95, Phase Dimmable Driver)

example: ELR100PLE.35.FK35.PA.PH