

50 PRO flexiK

12W FLEXIBLE WHITE
LED MODULE



- Feather weight construction, ~100 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

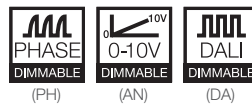
- Hotel and galleries
- Offices
- Retail, fashion stores and showroom
- Residential

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



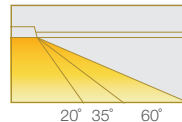
ProART



flexiK

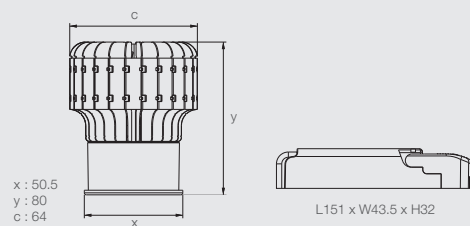
BEAM ANGLE

flexiK
50 PRO



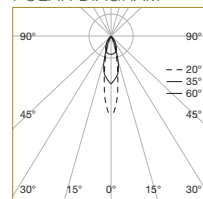
DIMENSIONS (MM)

*Displayed height measurements are for highest point of fitting.

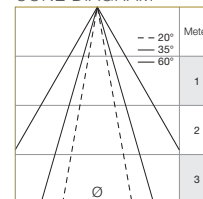


50 PRO flexiK / tuneWHITE™

POLAR DIAGRAM



CONE DIAGRAM



Ø = DIAMETER

	Emax (lx)		
	20°	35°	60°
E (0°)	4473	2631	911
Cone DØ (m)	0.34	0.58	1.15
E (0°)	1118	658	228
Cone DØ (m)	0.68	1.15	2.31
E (0°)	497	292	101
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	flexiK	1800K ~ 6500K	60°	910	1000	PH, AN, DA
				35°	2630		
				20°	4470		

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 flexiK 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 = 35°C), 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°	FK## flexiK	PA ProART	PH Phase	
35 35°			AN 0-10V	
60 60°			DA DALI	

denotes the first two digits of preferred CCT ranging from 1800K to 6500K by increment of 100K
(ELR 50 PRO 13W LED Module, 35° Beam Angle, 3500K CCT, ProART CRI-95, Phase Dimmable Driver)

example: ELR50P.35.FK35.PA.PH