

50 NEST flexiK

7.5W FLEXIBLE WHITE
INTEGRATED LED MODULE



- Feather weight construction, ~120 grams
- Class 2 LED module with integrated 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
- IP54
- Power factor > 0.9



The information above is at nominal values accuracy of +/-7%.

* 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

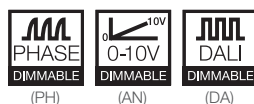
- Hotel and galleries
- Offices
- Retail, fashion stores and showroom
- Residential

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

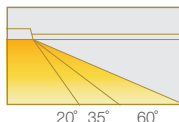


TEMPERATURE



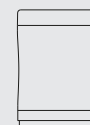
BEAM ANGLE

flexiK
50 NEST



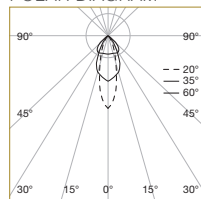
DIMENSIONS (MM)

*Displayed height measurements are for highest point of fitting.

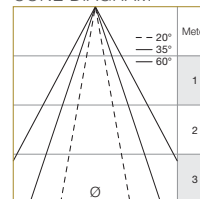


50 NEST tuneWHITE™

POLAR DIAGRAM



CONE DIAGRAM



	Emax (lx)		
	20°	35°	60°
E (0°)	2684	1578	547
Cone DØ (m)	0.34	0.58	1.15
E (0°)	671	395	137
Cone DØ (m)	0.68	1.16	2.30
E (0°)	298	175	61
Cone DØ (m)	1.02	1.74	3.45

Correction Factor : 50N - f = 0.6

SYSTEM SPECIFICATIONS

LED Lamp Power	LED System Power	Colour	CCT	Beam Angle	PROART CRI 95		Driver Options
					Intensity (cd)	Luminous Flux	
7.5W	10W	flexiK	1800K ~ 6500K	60°	550	600	PH, AN, DA
				35°	1560		
				20°	2680		

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 NEST flexiK Series
Mains voltage	220-240, 50Hz
Power factor	>0.9
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 = 25°C), B10
Dimming	Phase (triac) dimmer, 0-10V, DALI
Mains connection	100mm 2x0.75mm ² double insulated wires
Materials	Aluminium, plastic
Fire safety	Glow wire test 850°C, UL94V-0, VW-1
Flammability mark	F
IP code	IP54
Safety class	Class 2
Accessories	AR70, AR111
Standards	IEC 62031, IEC 61347-2-13
Regulatory markings	CE, CB, RCM
Weight	120g

LED MODULE				DRIVER
LED Power	Beam Angle	Colour Temp	CRI	Dimming
ELR50N 7.5W	—	—	—	—
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 NEST 7.5W Integrated LED Module, 35° Beam Angle, 3500K CCT, ProART CRI>95, Phase Dimmable Driver)

example: ELR50N.35.FK35.PA.PH