50 NEST ND+ PROFESSIONAL NON-DIM

9.5W HIGH EFFICACY INTEGRATED LED MODULE FOR PREMIUM RETAILS

ELR®

- Class 2 LED module with integrated LED driver
- >90% efficiency LED driver
- >90 lm/W system efficacy at ProART
- Colour rendering index, ProART Ra>90, R9>50
- 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 1%**
- X-BEAM converging optical lens maximises luminaire light output ratio
- IP54
- Power factor > 0.9

ATePS

ComfyEYE

X BEAM

*ATePS Automated Thermal Protection System is the trademark of ELR.

**Optical flicker percentage is measured at maximum output.
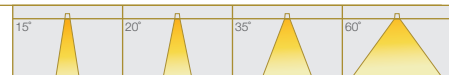
APPLICATION

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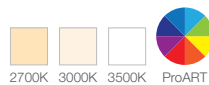- Residential

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
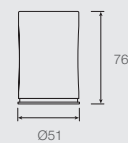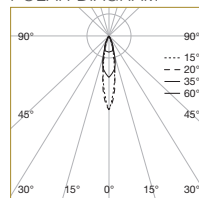- Comfort, safety and no glass

AVAILABLE OPTIONS

BEAM ANGLE

15° 20° 35° 60°

COLOUR TEMPERATURE

2700K 3000K 3500K ProART

DRIVER

DIMMABLE

(ND)
Professional
Non-Dim

DIMENSIONS (MM)

76

Ø51

50 NEST ND+

POLAR DIAGRAM

90°   90°

45°   45°

30°   15°   0°   15°   30°

- - - - 15°
- - 20°
— 35°
— 60°

CONE DIAGRAM

Ø = DIAMETER

Meter		Emax (lx)			
		15°	20°	35°	60°
1	E (0°)	4015	4026	2367	915
	Cone Ø (m)	0.33	0.34	0.58	1.10
2	E (0°)	1004	1006	592	229
	Cone Ø (m)	0.67	0.68	1.15	2.20
3	E (0°)	446	447	263	102
	Cone Ø (m)	1.00	1.03	1.73	3.30

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

SYSTEM SPECIFICATIONS

LED Lamp Power	LED System Power	Colour Temperature	Beam Angle	PROART CRI 95 Intensity (cd)	Luminous Flux (lm)	Driver Options
8.7W	9.5W	WARM : 2700K NATURAL : 3000K NATURAL : 3500K	60°	915	900	Professional Non-Dim
			35°	2367		
			20°	4026		
			15°	4015		

Data are based on 3000K. Nominal data of 2700K and 3500K are shared with 3000K.

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 Series
Mains Voltage	220-240, 50Hz
Power factor	>0.9
Colour	Black
Installation Compatibility	Compatible with ELR size-3 fixtures or most MR16 fittings, ELR size-4 fixtures or most AR70 fittings with optional mounting brackets
Lifetime	50,000 HOURS (80% lumen maintenance at Ta = 25°C), B10
Dimming	Professional Non-Dimmable
Mains connection	100mm 2x0.75mm² double insulated wires
Materials	Aluminium, plastic
Fire safety	Glow wire test 850°C, UL94V-0, VW-1
Flammability mark	F
IP Code (Module Only)	IP54
Safety class	Class 2
Standards	IEC 62031, IEC 61347-2-13
Regulatory markings	CE, CB, CCC, RCM, BIS, TIS, SIRIM-ST, RoHS
Weight	~ 120g

ORDERING MATRIX CHART

LED MODULE				DRIVER
LED Power	Beam Angle	Colour Temp	CRI	Dimming
._	._	._	._	._
ELR50N 8.7W	**15** 15°	**27** 2700K	**PA** ProART	**ND+** PRO Non-Dim
	20 20°	**30** 3000K		
	35 35°	**35** 3500K		
	60 60°			

example: ELR50N.15.30.PA.ND+