

50 NEST

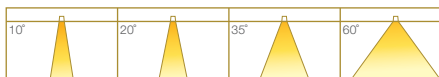
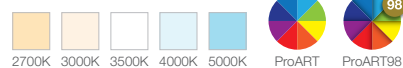
10W INTEGRATED LED MODULE



AVAILABLE OPTIONS

LED MODULE

SINGLE CCT



ACCESSORIES



DRIVER DIMMING



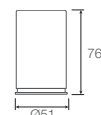
TECHNOLOGY AND FEATURES

Advanced Thermal Protection System

Low Flicker, No Risk (IEEE 1789)

Converging Optical Lens Maximising LOR

DIMENSIONS (MM)



SPECIFICATIONS

Family Type	50 NEST Series
Mains Voltage	220-240V, 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
Beam Angles	10°, 20°, 35°, 60°
Colour Temperatures	2700K, 3000K, 3500K, 4000K, 5000K
CRI	High Efficiency (CRI~85), ProART (CRI~95), ProART98 (CRI~98)
SDCM	2 step MacAdam ellipse binning

Driver (Dimming)	Integrated - phase (leading & trailing edge), 0-10V, DALI
Mains Connection	100mm 2x0.75mm ² double insulated wires
Materials	Aluminium, plastic
Fire Safety	Glow wire test 850°C, UL94V-0, WW-1
Flammability Mark	F
Ingress Protection	IP40 for 10° beam, IP54 for 20°/35°/60° beam (module only)
Safety Class	Class 2
Standards	IEC 62031, IEC 61347-2-13
Regulatory Markings	CE, CB, CCC, RCM, BIS, TIS, SIRIM-ST, RoHS
Weight	120g

50 NEST SINGLE CCT

Height (m)		Emax (x)			
		10°	20°	35°	60°
1	E(0°)	5078	3610	2123	821
	Cone Ø (m)	0.19	0.34	0.58	1.10
2	E(0°)	1270	903	531	205
	Cone Ø (m)	0.37	0.68	1.15	2.20
3	E(0°)	564	401	236	91
	Cone Ø (m)	0.56	1.03	1.73	3.30
4	E(0°)	317	226	133	51
	Cone Ø (m)	0.74	1.37	2.31	4.40
5	E(0°)	203	144	85	33
	Cone Ø (m)	0.93	1.71	2.89	5.50

ELR LED Module				Luminous Flux (lm)			
Type	LED Power	System Power	CRI	3000K			
				10°	20°	35°	60°
50 NEST	7.5W	10W	High Efficiency CRI~85	750	950	950	950
			ProART CRI~95	638	808	808	808
			ProART98 CRI~98	525	665	665	665

Data are based on 3000K (ProART CRI~95). Nominal data of 2700K and 3500K are shared with 3000K. Higher CCT of 4000K and 5000K will have a nominal data value of 5% higher than published. (f = 1.05)
 High Efficiency CRI~85 will have a nominal data value of 15% higher than published. (f = 1.17)
 ProART98 CRI~98 will have a nominal data value of 8% lower than published. (f = 0.82)
 Nominal CRI~85, equals to Ra~80~87, R9~0
 Nominal CRI~95, equals to Ra~90~97, R9~50
 Nominal CRI~98, equals to Ra~97~99, R9~93

ORDERING MATRIX CHART

LED Module				Driver						
LED Power	Beam Angle	Colour Temp	CRI	Dimming						
ELR50N	7.5W	10	10°	27	2700K	HE	Ra~85	ND	Non-Dim	
			20°	30	3000K	PA	ProART	PH	Phase	
	35	35°	35	3500K	PP	ProART98	AN	0-10V		
		60°	40	4000K			DA	DALI		
	DD55	Dome Diffuser	50	Ø55mm	50	5000K				
				Ø80mm						
				Ø120mm						
	DD80	Dome Diffuser								
	DD120	Dome Diffuser								
Ø120mm										

example: ELR50N.20.40.PA.PH

Accessories	
Type	
AMB8	Adjustable Mounting Bracket for M8 Rod (Comfort Pro included)