

# 50 NEST HI

10W HIGH INTENSITY NARROW SPOT INTEGRATED LED MODULE



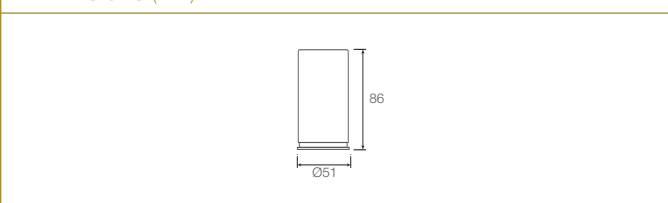
### AVAILABLE OPTIONS

<p><b>LED MODULE</b></p>	<p>SINGLE CCT</p> <p>2700K 3000K 3500K 4000K 5000K</p> <p>ProART ProART98</p>
<p><b>ACCESSORIES</b></p>	<p>Adjustable Mounting Bracket for M10 Rod (Comfort Pro included)</p>
<p><b>DRIVER DIMMING</b></p>	<p>  (ND)              (PH)              (AN)              (DA)         </p>

### TECHNOLOGY AND FEATURES

<p><b>ATePS</b> Advanced Thermal Protection System</p>	<p><b>ComfyEYE</b> Low Flicker, No Risk (IEEE 1789)</p>	<p><b>BEAM</b> Converging Optical Lens Maximising LOR</p>
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### 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	High intensity narrow spot (10°)
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 <sup>2</sup> double insulated wires
Materials	Aluminium, plastic
Fire Safety	Glow wire test 850°C, UL94V-0, VW-1
Flammability Mark	F
Ingress Protection	IP54 (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 HI

Height (m)	E(0°)	Cone Ø (m)	ELR LED Module				Luminous Flux (lm)	
			Type	LED Power	System Power	CRI	3000K	10°
1	E(0°)	0.19	50 NEST HI	7.5W	10W	High Efficiency CRI-85	10965	620
	E(0°)	0.19					2741	527
2	E(0°)	0.37					1218	434
	E(0°)	0.37					685	
3	E(0°)	0.56					439	
	E(0°)	0.56					685	
4	E(0°)	0.74					439	
	E(0°)	0.74					439	
5	E(0°)	0.93					439	
	E(0°)	0.93					439	

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 18% 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>80  
Nominal CRI-98, equals to Ra>97-98, R9>93

ORDERING MATRIX CHART

LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR50N-HI	7.5W	NS	10°	27	2700K	HE	Ra~85	ND	Non-Dim
				30	3000K	PA	ProART	PH	Phase
				35	3500K	PP	ProART98	AN	0-10V
				40	4000K			DA	DALI
				50	5000K				

example: ELR50N-HI.NS.40.PA.PH

Accessories	
Type	
AMBM10	Adjustable Mounting Bracket for M10 Rod (Comfort Pro included)