

50 NEST HORTI

10W HORTICULTURE
INTEGRATED LED MODULE



APPLICATION

- Horticulture
- Vertical green wall

TECHNOLOGY BENEFITS

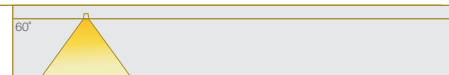
- Superior light rendering quality offering balanced white with embedded green and red tone
- Excellent cost savings and quicker ROI
- Quick installation, no costly modification required
- Low maintenance
- Comfort, safety and no glass

- Class 2 LED module with integrated LED driver
- ATePS smart thermal dimming to protect LED lifetime
- X-BEAM converging optical lens maximises luminaire light output ratio
- IP54
- Power factor > 0.9



AVAILABLE OPTIONS

BEAM ANGLE



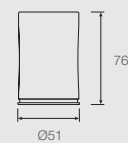
COLOUR TEMPERATURE



DRIVER

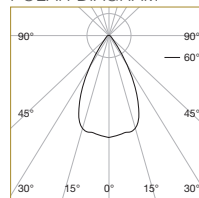


DIMENSIONS (MM)



50 NEST HORTI

POLAR DIAGRAM



CONE DIAGRAM

Meter	E _{max} (lx)	
	60°	60°
1	E (0°)	753
	Cone Ø (m)	1.10
2	E (0°)	188
	Cone Ø (m)	2.20
3	E (0°)	84
	Cone Ø (m)	3.30

SYSTEM SPECIFICATIONS

Module	LED Lamp Power	LED System Power	Colour Temperature	Beam Angle	PPFD (μmol/m ² /s)	Luminous Flux (lm)	Driver Options
50 NEST	7.5W	10W	Horti Spectrum	60°	32	740	ND, PH, AN, DA

Photosynthetic Photon Flux Density (PPFD) is the intensity of Photosynthetically Active Radiation (PAR) light. the table information is at nominal values accuracy of +/-7% PAR are wavelengths of light within 400nm to 700nm that are critical for photosynthesis.

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	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, 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	Dimming
ELR50N 7.5W	60 60°	HT Horti	ND Non-Dim PH Phase AN 0-10V DA DALI

example: ELR50N.60.HT.DA