



20 NEST

2W TO 5W INTEGRATED LED MODULE

LIGHTKIT LED modules can be combined with a range of fixtures to achieve a powerful lighting solution. Their long lifespan and extreme brightness makes it perfect for residential applications, as well as large spaces such as airports, malls and other commercial spaces. Installation is easy in many pre-existing housings, as well as the LIGHTKIT fixture ranges.

FEATURES

- Feather weight construction, ~80 grams
- Class 2 LED module with constant current OR integrated 24V DC LED driver
- >100 lm/W module
- Colour rendering index, ProART Ra~95, Standard Ra~85
- 3 steps MacAdam ellipse binning
- ATePS™ smart thermal dimming to protect LED lifetime
- Uniform and comfort light
- IP54

APPLICATION

- Hotels 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



15D, 25D, 40D

TEMPERATURE

2700K, 3000K

ProART



DRIVER



(ND)



(PH)



(AN)

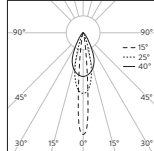


(DA)

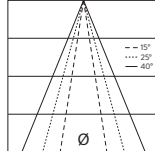


(DC)

POLAR DIAGRAM



CONE DIAGRAM

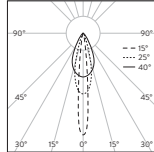


20 NEST 2W

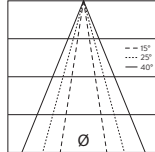
	E _{max} (lx)		
	15°	25°	40°
E (10')	2080	958	330
Cone DD (m)	0.26	0.45	0.67
E (10')	520	240	82
Cone DD (m)	0.52	0.90	1.34
E (10')	231	106	37
Cone DD (m)	0.78	1.35	2.01

f = CORRECTION FACTOR, Ø = DIAMETER

POLAR DIAGRAM



CONE DIAGRAM

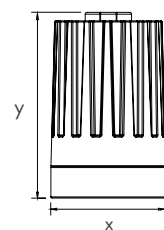


20 NEST 5W

	E _{max} (lx)		
	15°	25°	40°
E (10')	4623	2029	733
Cone DD (m)	0.26	0.45	0.67
E (10')	1156	532	183
Cone DD (m)	0.52	0.90	1.34
E (10')	514	237	81
Cone DD (m)	0.78	1.35	2.01

f = CORRECTION FACTOR, Ø = DIAMETER

DIMENSIONS (MM)



x: Ø 31
y: 50



SYSTEM SPECIFICATIONS

LED Power	Colour	CCT (K)	Beam Angle	Standard CRI 85		ProART CRI 95		Driver Options
				Intensity (cd)	Luminous Flux (lm)	Intensity (cd)	Luminous Flux (lm)	
2W	WARMER	2700K	40	330	180	281	153	ND, PH, DA, AN (Constant Current OR 24VDC)
	WARM	3000K						
	WARMER	2700K	25	950	180	808	153	
	WARM	3000K						
	WARMER	2700K	15	1900	200	1615	170	
	WARM	3000K						
5W	WARMER	2700K	40	733	400	623.05	340	ND, PH, DA, AN (Constant Current OR 24VDC)
	WARM	3000K						
	WARMER	2700K	25	2000	400	1700	340	
	WARM	3000K						
	WARMER	2700K	15	4600	480	3910	408	
	WARM	3000K						

the table information is at nominal values accuracy of +/-7%
 nominal CRI ~85, equal to Ra >80-87, R9 > 0
 nominal CRI ~95, equal to Ra >90-97, R9 > 50

DETAILS SPECIFICATION

Family Type	20 NEST Series
Mains voltage	Constant Current with Vf-12V or Constant Voltage 24VDC
Colour options	Black
Installation	Compatible with MR11
Lifetime	50,000 HOURS (80% lumen maintenance at Ta = 25°C)
Dimming	Phase (triac) dimmer, 0-10V, DALI
Mains connection	150mm 2x0.75mm2
Materials	Aluminium, plastic
Fire safety	Glow wire test 850°C UL94V-0 VW-1

Flammability mark	F
IP code	IP 54
Safety class	Class 2
Accessories	
Standards	IEC 62031 IEC 61347-2-13
Regulatory markings	CE CB RCM
Weight	80g

ORDERING MATRIX

LED Module									Driver	
LED Power	Beam Angle		Colour Temp		CRI		Dimming			
LK20N	•	•	•	•	•	•	•	•	•	•
2	2W	15	15°	27	2700K			Standard	ND	NON DIM
5	5W	25	25°	30	3000K	PA		ProART	PH	PHASE
		40	40°						AN	0-10V
									DA	DALI
									DC	24VDC

example: LK20N.2.40.30.PH