

### KUBIK SMART 20W

KUBIK SMART LED BATTEN

Indoor Luminaire

Product Code:

LKBS01S020XC / LKBS01S020XN / LKBS01S020XW  
20W - 2000lm - 6500K - CRI>80 Ra - Beam Angle - 120°



### Technical Specifications

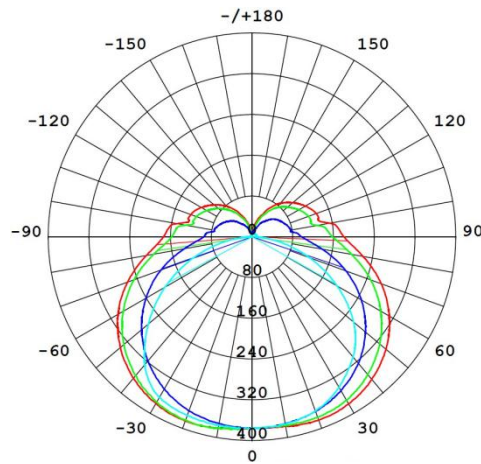
Operating Temperature	-10°C to 40°C
Rated Input Voltage & Frequency	220 ~ 240 VAC, 50Hz
Rated Input Wattage	20W ± 10%
Rated Input Current	0.100 Amp (Nominal)
Power Factor	≥0.90
ATHD	<15%
Rated Luminous Flux	2000 lm / 1900 lm / 1800 lm (tolerance as per BIS)
Rated Luminaire Efficacy	100 lm/W / 95 lm/W / 90 lm/W (tolerance as per BIS)
Correlated Color Temperature (CCT)	6500 K / 4000 K / 3000 K (tolerance as per ANSI)
Color Rendering Index (CRI)	>80 Ra
Beam Angle	120° (within the permissible limits)
Driver Efficiency	>80%
LED Life Span	>50000 Hrs (Ta=25°C @L70)
Housing	Polycarbonate
Lens / Reflector	PC Diffuser
Mounting	Surface

### Protections

Over Voltage Protection	Withstand upto 440V/AC for 4 Hrs.
Surge Protection	±4.0KV
Protection Class	Class II
Ingress Protection (IP Rating)	IP20
Impact Protection (IK Rating)	IK02
Short Circuit Protection	Provided
Open Circuit Protection (No Load)	Provided
Reverse Polarity Protection	Provided

All technical data is subject to industry-standard tolerances.

## Light Distribution

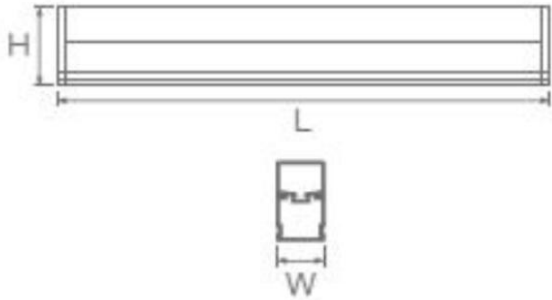


## UGR Table

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	20.0	21.4	20.6	21.9	22.6	18.3	19.7	18.9	20.2	20.8
3H	22.7	23.9	23.3	24.5	25.2	20.0	21.3	20.6	21.8	22.5
4H	24.1	25.3	24.7	25.9	26.6	20.7	21.9	21.3	22.5	23.2
6H	25.7	26.8	26.3	27.4	28.1	21.2	22.3	21.8	22.9	23.6
8H	26.5	27.6	27.1	28.2	28.9	21.3	22.4	22.0	23.0	23.7
12H	27.5	28.5	28.1	29.1	29.9	21.4	22.4	22.1	23.1	23.8
4H 2H	20.6	21.8	21.2	22.4	23.1	19.4	20.6	20.0	21.2	21.9
3H	23.5	24.6	24.2	25.2	25.9	21.4	22.4	22.0	23.1	23.8
4H	25.1	26.1	25.8	26.7	27.5	22.3	23.2	23.0	23.9	24.7
6H	26.9	27.7	27.6	28.4	29.2	23.0	23.9	23.7	24.6	25.4
8H	27.9	28.7	28.6	29.4	30.2	23.3	24.1	24.0	24.8	25.6
12H	29.0	29.7	29.7	30.4	31.2	23.5	24.2	24.2	24.9	25.8
8H 4H	25.5	26.3	26.2	27.0	27.8	23.2	24.0	23.9	24.7	25.5
6H	27.6	28.2	28.3	28.9	29.8	24.4	25.0	25.1	25.8	26.6
8H	28.7	29.3	29.5	30.1	30.9	24.9	25.5	25.6	26.2	27.1
12H	30.1	30.6	30.8	31.4	32.3	25.3	25.8	26.1	26.6	27.5
12H 4H	25.5	26.3	26.2	27.0	27.8	23.5	24.2	24.2	25.0	25.8
6H	27.7	28.3	28.4	29.0	29.9	24.8	25.4	25.6	26.2	27.1
8H	29.0	29.5	29.7	30.2	31.1	25.5	26.1	26.3	26.8	27.7
Variations with the observer position at spacings (CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.5				

## Product Dimensions (LxWxH)

1135 x 22mm x 37mm (Tol.  $\pm 5$  mm)



## Applications

Residences, Offices, Small Retail Shops, Hotels, Coffee Shops, Restaurants, Hospitals, area lighting and for other indoor applications.