

LED Corn Light

Product Name: NSCL-18W-315S3

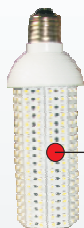
Specifications:

1. Beam angle: 360°
2. Professional LED lamp replacing CFL 50W
3. Size: Dia 62mm * 190mm
4. Lamp base: E27 E26
5. Input voltage: 85-265VAC
6. Power consumption: 20W ±10%
7. LED source: 315pcs 3528 SMD LEDs
8. Color temperature:
 - 1)Cool white: 5500~6700K
 - 2)Natural white: 4000~5000K
 - 3)Warm white: 2700~3500K
9. Luminous flux: 1700lm ±10%
10. Advantages:
 - 1) Up to 80% energy saving compared to conventional lamps.
 - 2) Lifetime of 50,000 hours
11. Application: Indoor using, such as garden, lobby, office, supermarket, restaurant, etc..
12. Operating temperature: -40~45°C



Input Voltage	85-265VAC / 50-60Hz
PF	>0.9
Power Efficiency	>85%
Working Voltage	28VDC ±5%
Power Consumption (Bulb/LED)	18W ±10%
Power Supply	2W
LED Luminous Efficiency	>80lm/w
LED Initial Flux(Instant on)	1800 lm ±10% (Tj=25°C)
LED Lamp Maintain Flux	1700 lm ±10% (Tj=70°C, Ta=25°C)
Lamp's Efficiency (%)	>95 %
Color Temperature Standard	Warm White: 2,700 ~ 3,500 K
	Natural White: 4,000 ~ 5,000 K
	Cool White: 5,500 ~ 6,700K
Color Rendering Index(CRI)	Ra > 70
Light Source/Count	315pcs 3528 SMD LEDs
LED Emitter Life	50,000 hours
LED Lamp (Light Bulb) Life	35,000 hours
Lamp Base	E27 E26
The Dimensions	∅ 62 * 190mm
N. W / G.W	120g /150g
Packing	1pc/White Box, 80pcs/Carton
Packing Size (L*W*H)	6.7 * 6.7 * 20 / 55 * 43 * 36 cm
Replacement	CFL 50W

Temperature

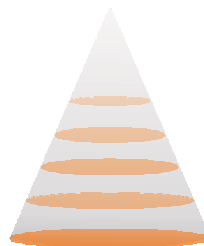


Ta=25°C

Tc. Max: 60°C

Cautions: No unventilated application

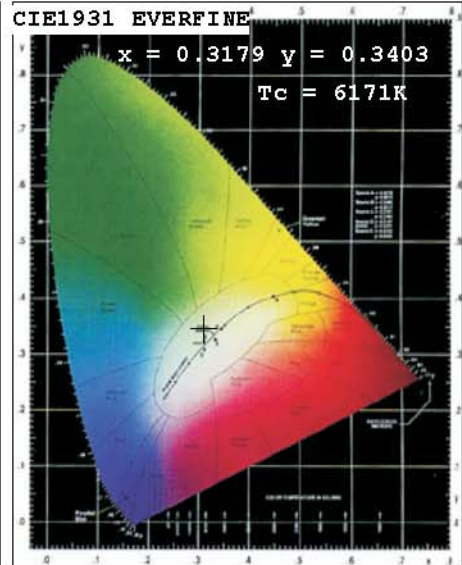
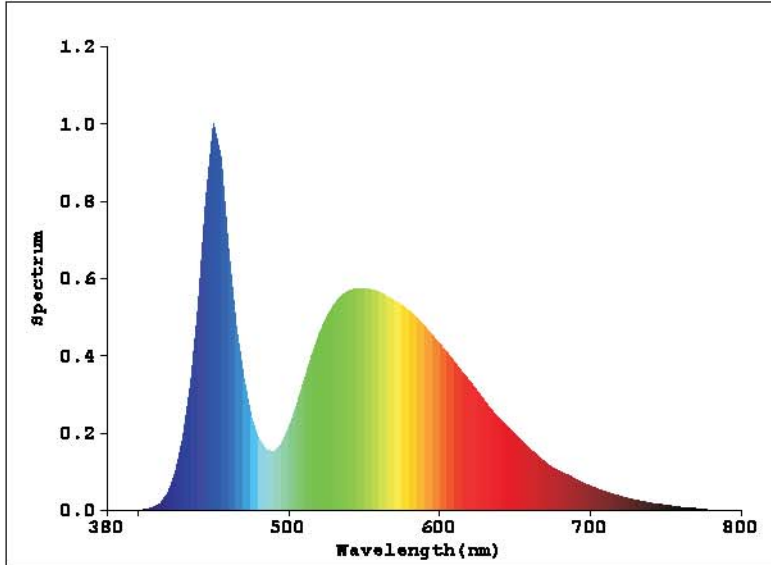
BEAM ANGLE 150 DEG, 6000K



Distance (m)	Intensity (lux)	Diameter (m)
1.0m	530Lux	7.41m
2.0m	170Lux	14.90m
3.0m	80Lux	22.35m
4.0m	50Lux	29.75m
5.0m	40Lux	37.20m

NSCL-18W-315S3

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3179$ $y=0.3403$
Chromaticity Coordinate: $u'=0.3179$ $v'=0.3403$ ($duv=6.32e-03$)
Tc=6171K Dominant WL:Ld=497.6nm Purity=4.8% Centroid WL:545.0nm
Ratio:R=13.5% G=82.5% B=3.9% Peak WL:Lp=450.0nm HWL:25.2nm
Render Index:Ra=73.8
R1 =71 R2 =78 R3 =81 R4 =74 R5 =71 R6 =69 R7 =85
R8 =63 R9 =-21 R10=45 R11=69 R12=41 R13=72 R14=89 R15=67

Photo Parameters:

Flux: 1700.6 lm Fe: 5.2526 W Efficacy:84.74 lm/W

Electrical Parameters:

Luminaire: U=220.2V I=0.09642A P=20.07W PF=0.9452

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=20853(G=3,D=187)
REF=11045(R=3) $\lambda=0.265\%$ PMT: 29.4 centigrade [29.2]

Product Type:NSCL-18W
Number:NSCL-18W
Temperature:25.3 deg
Test Operator:Deng
Software:V2.00.100

Manufacturer:New Sunshine
Test Department:R&D Dept.
Humidity:65.0%
Test Date:2011-06-21 15:35:24
Instrument:PMS-80_V1 (SN:11040007)