

Product # \_\_\_\_\_ Type \_\_\_\_\_ Date \_\_\_\_\_

Project Name \_\_\_\_\_

Project Location \_\_\_\_\_ Prepared By \_\_\_\_\_

# Smart™ Canopy 100

## Smart™ Light Specifications

The 100 watt Smart™ Canopy is designed to replace HID light sources of up to 250 watts. This is accomplished with sealed high brightness light modules with precision control TIR type optics.

### Construction

Housing is die-formed made from low-copper 5052 aluminum, heavy duty, structurally rigid and vibration resistant. It has advanced, vortex air flow thermal management and a flexible modular design.

### Optics/Lens

The 100 watt Smart™ Canopy contains 2 - 50 watt IP67 sealed light modules and are easily replaceable. Modules are available in 30 degree, 45 degree (standard) 120 degree wide and 85x135 degree (extra-wide) beam patterns.

### Electrical

High power Cree XT-E LED source, with performance of greater than 100 lumens per watt. Standard Color Temperature 5000K, CRI of 70 or greater. Other optional color temp and CRI available on request. LED Drivers: UL/CSA recognized component to meet UL8750 & EN61347 (USR/CNR - E328335). Suitable for input power at 100-277VAC, Minimum power factor >0.95 with an operating temperature range of -22-131 degrees F / 30-55 degrees C. Dimmable and motion sensor control compatible.

### Finish

White finish is standard. Other optional finishes are available on request.

### Warranty and Certifications

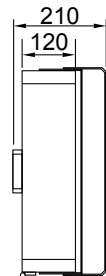
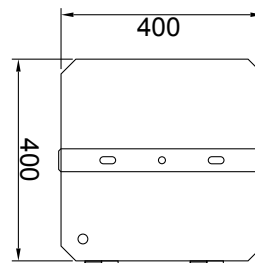
5 years for LED Light Engine and Driver, 7 years for housing. 50,000 hours @ 25°C L70 LED Illumination per LM-80. cULus Wet Locations in compliance with UL 1598 and CSA C22.2 NO. 250.0 standards. IP65 rated. Suitable for indoor/outdoor wet or damp location use. DLC listed and Lighting Facts.



### Dimensions

15.7 x 15.7 x 4.7 inches

EPA: 3.2



Weight: 16.3lbs. (7.4kg)



## Ordering Guide

MODEL	TOTAL LED POWER	CCT COLOR TEMP	LIGHT BEAM SPREAD	INPUT VAC	LIGHTING CONTROL	GLARE CONTROL	MOUNTING
SMC	100 100 = 100W	50 27-2700K* 30-3000K* 40-4000K* 50 - 5000K Standard *+/-350K	5 4 = NEMA 4HX4V 5 = NEMA 5HX5V 6 = NEMA 5HX7V 7 = NEMA 7HX7V	U U = Universal 100V to 277V 48 = 480V	D ND = Non Dimming D = Dimming	**Consult factory for available options	SM = Surface Mount H = Hook/Chain Mount P = Pendant Mount SC = Screw Mount U = Universal Hanging Bracket

Note: Due to continued efforts to improve our products, specifications are subject to change without notice.

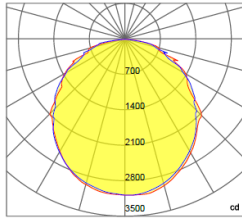


835 Industrial Drive, Elmhurst, IL 60126 708.681.4330 www.nslights.com

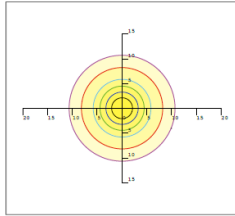
# Smart™ Canopy 100

## Photometrics

### 120 Degree Lens (clear) NEMA Type 7



0.0~180.0  
90.0~270.0

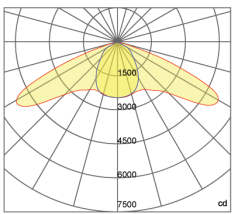


Mounting Hight 7m, 0 Tilt,  
50LUX-5LUX

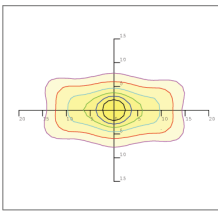
Illumination-120 Degree Beaming Angle		
Height	Beam Diameter	LUX
5m	φ 17m	102LUX
6m	φ 21m	76LUX
7m	φ 24m	58LUX
8m	φ 28m	45LUX
9m	φ 31m	36LUX

Beam Angle (50% max)	120 DEG
Field Angle (10%)	150 DEG
Luminous Flux (IES)	9,529 lm
Light Efficacy (IES)	97 lm/W
NEMA Type	7H x 7V
BUG Rating	B3-U2-G2
UGR	23
Cutoff Classification	Cutoff

### 85/135 Degree Lens (clear frosted) NEMA Type 6



0.0~180.0  
90.0~270.0

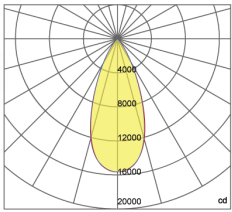


Mounting Hight 6m, 0 Tilt,  
50LUX-5LUX

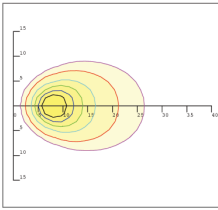
Illumination-85/135 Degree Beaming Angle		
Height	Rectangular Light Spot	LUX
5m	9x24m	62LUX
6m	11x29m	60LUX
7m	13x34m	45LUX
8m	14x39m	35LUX
9m	15x43m	28LUX

Beam Angle (50% max)	85x135 DEG
Field Angle (10%)	130x150 DEG
Luminous Flux (IES)	9,199 lm
Light Efficacy (IES)	91 lm/W
NEMA Type	7H x 7V
BUG Rating	B3-U2-G3
UGR	16/29
IES Classification	Type II
Cutoff Classification	Semi-Cutoff

### 45 Degree Lens NEMA Type 5



0.0~180.0  
90.0~270.0

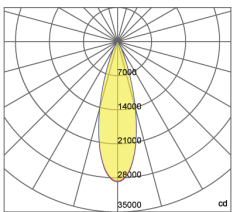


Mounting Hight 8m, 60 Tilt,  
50LUX-5LUX

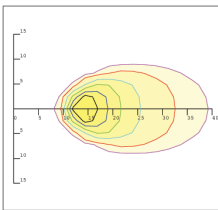
Illumination-45 Degree Beaming Angle		
Height	Beam Diameter	LUX
10m	φ 8m	155LUX
15m	φ 12m	70LUX
20m	φ 17m	38LUX
25m	φ 21m	25LUX
30m	φ 25m	17LUX

Beam Angle (50% max)	45 DEG
Field Angle (10%)	73 DEG
Luminous Flux (IES)	9,621 lm
Light Efficacy (IES)	94 lm/W
NEMA Type	5H x 5V
BUG Rating	B4-U1-G1
UGR	12
Cutoff Classification	Cutoff

### 30 Degree Lens NEMA Type 3



0.0~180.0  
90.0~270.0



Mounting Hight 12m, 60 Tilt,  
50LUX-5LUX

Illumination-30 Degree Beaming Angle		
Height	Beam Diameter	LUX
15m	φ 8m	167LUX
20m	φ 11m	94LUX
25m	φ 13m	60LUX
30m	φ 16m	42LUX
35m	φ 19m	30LUX

Beam Angle (50% max)	35 DEG
Field Angle (10%)	48 DEG
Luminous Flux (IES)	9,644 lm
Light Efficacy (IES)	94 lm/W
NEMA Type	3H x 3V
BUG Rating	B5-U1-G0
UGR	12
Cutoff Classification	Cutoff

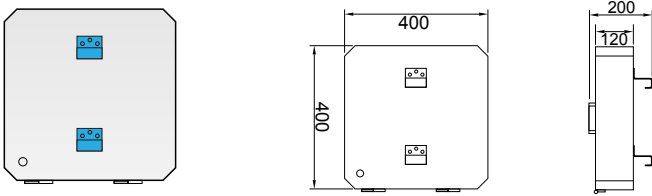


**NORTH STAR**  
LIGHTING

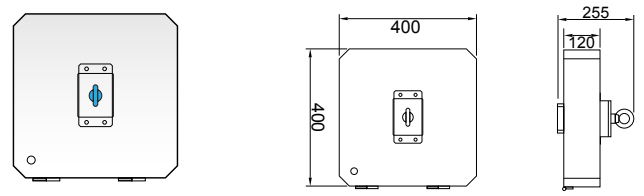
# Smart™ Canopy100

Mounting Options - Dimensions Shown are in millimeters

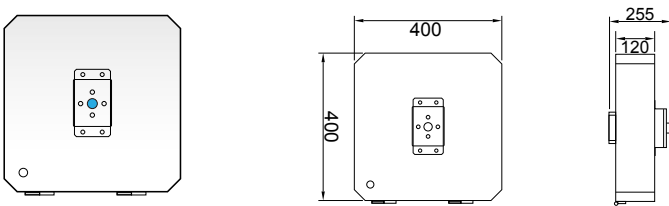
## Surface Mount



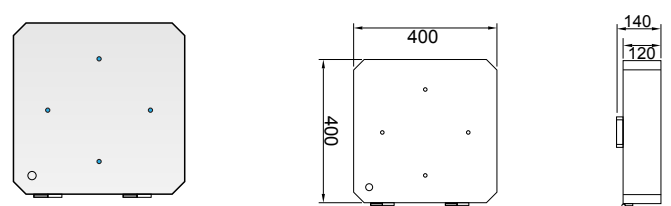
## Hook/Chain Mount



## Pendant Mount(1/2" or 3/4" NPT)



## Screw Mount



## Universal Hanging Bracket

