

# LNC SERIES

Cat.#	
Job	Type



**HUBBELL**  
Outdoor Lighting

Approvals

## SPECIFICATIONS

### Intended Use:

The compact LED LNC is designed for entry/perimeter illumination for safety, security and identity. Typical mounting height is up to 12 feet with 40ft fixture spacing (without acrylic diffuser) and 30ft spacing with acrylic diffuser installed. Photocontrol option is available to provide dusk-to-dawn control for additional energy savings.

### Construction:

Decorative die-cast aluminum housing and door. Rugged design protects internal components and provides excellent thermal management for long life – 60,000 hours minimum LED life at L96 rating per IESNA TM-21-11. Powder paint finishes provide lasting appearance in outdoor environments.

### Optics/Electrical

#### LED:

Drivers are 120-277V, 50/60Hz 5000K/70 CRI Type III and Type IV lenses provide wide lateral spread. 0-10V dimming 120-277V only.

- LNC5L – 5 LEDs, 12.6w, .11 amp max, 967 lumens, Type III only
- LNC7L – 7 LEDs, 16.4w, .14 amp max, 1389 lumens, Type III or IV
- LNC9L – 9 LEDs, 20.6w, .18 amp max, 1745 lumens, Type III or IV
- Minimum operating temperature is -40°C/-40°F

### Lenses:

Full cut-off distribution; Ambient diffuser included, use for applications near entrances or locations where reduced brightness is desired.

### Installation:

Quick mount adapter provides quick installation, designed for both recessed box or surface conduit wiring. Fits 4" square junction box.

### Listings:

Listed and labeled to UL 1598 for wet locations, 25° C ambient environments. Some models meet DesignLights Consortium (DLC) qualifications, consult DLC website for more details: <http://www.designlights.org/QPL>

- IES Progress Award Winner - 2012

### Warranty:

Five year limited warranty (for more information visit: <http://www.hubbelloutdoor.com/resources/warranty/>)

## PRODUCT IMAGE(S)



LNC-5L



LNC-7L

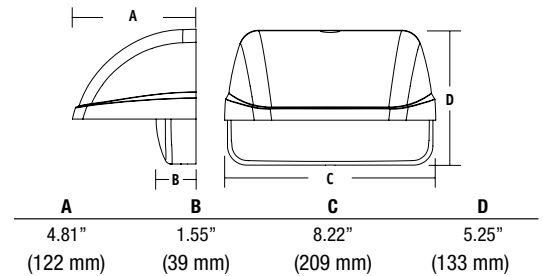


LNC-9L



With diffuser

## DIMENSIONS



## CERTIFICATIONS/LISTINGS



## SHIPPING INFORMATION

Catalog Number	G.W(kg)/CTN	Carton Dimensions			Carton Qty. per Master Pack
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)	
LNC-5LU	9.6 (4.36)	14.5 (37)	9.6 (24.5)	6.8 (17.5)	2
LNC-7LU	9.6 (4.36)	14.5 (37)	9.6 (24.5)	6.8 (17.5)	2
LNC-9LU	9.6 (4.36)	14.5 (37)	9.6 (24.5)	6.8 (17.5)	2

## ORDERING INFORMATION LNC-5L and LNC-7L/9L (Order tree below)

CATALOG NUMBER	WATTAGE	NUMBER OF LEDS	VOLTAGE	LUMENS <sup>1</sup>	LIFE <sup>2</sup>	CCT	WEIGHT LBS. (KG)
LNC-5LU-5K	12.6w	5	120-277V	967	60,000hrs	5000k	4.0 (1.8)
LNC-5LU-5K-PC	12.6w	5	120V	967	60,000hrs	5000k	4.0 (1.8)

- 1 Acrylic diffuser accessory lumen output is 650 with increased uniformity in the Type III distribution  
 2 Projected per IESNA TM-21-11

### ORDERING EXAMPLE: LNC-9LU-5K-3-1-PC1

SERIES	NUMBER OF LEDS/SOURCE/VOLTAGE	CCT	IES DISTRIBUTION	FINISH	OPTIONS
LNC Laredo Cut-off	7LU 7 LEDs, Universal voltage 120-277V 9LU <sup>3</sup> 9 LEDs, Universal voltage 120-277V	3K 3000K nominal, 70 CRI 4K 4200K nominal, 70 CRI 5K <sup>3</sup> 5000K nominal AM <sup>2</sup> Amber (590 μm available for "Turtle Friendly"/observatory applications, 350 mA (consult factory))	3 <sup>3</sup> Type III 4 <sup>3</sup> Type IV	1 Bronze 2 Black 3 Gray 4 White 5 Platinum	PC(X) <sup>1</sup> Button photocontrol, replace X with voltage, specify 1-120V, 2-208V, 3-240V, 4-277V

- 1 When PC is ordered, input must match PC voltage  
 2 Amber LEDs only available on 7LU and 9LU configurations, 350 mA only  
 3 DesignLights Consortium (DLC) qualified 5/7/9 models 5K only



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

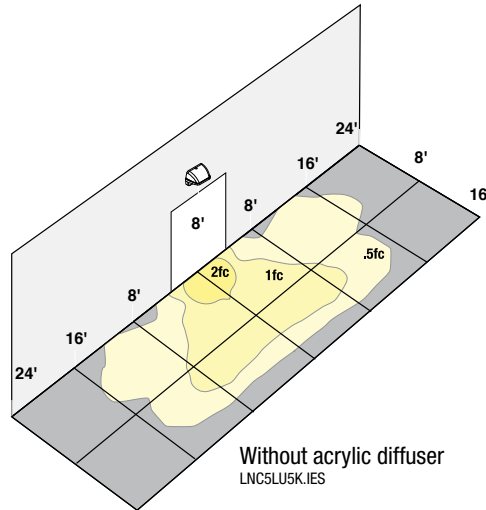
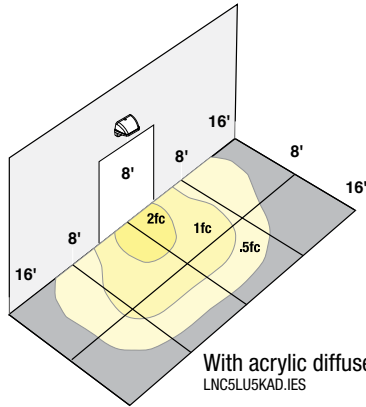
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LAREDO LNC-SPEC 4/14

## REPLACEMENT PART

CATALOG NUMBER	DESCRIPTION
93039574	Frosted comfort shield, improved uniformity with only 5% reduction

## PHOTOMETRICS



## PERFORMANCE DATA

# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	5K (5100K nominal, 67 CRI)					4K (4200K nominal, 70 CRI)					3K (3000K nominal, 70 CRI)					AM (<580 nm wave-length)						
				LUMENS	LPW <sup>1</sup>	B	U	G	LUMENS	LPW <sup>1</sup>	B	U	G	LUMENS	LPW <sup>1</sup>	B	U	G	LUMENS	LPW <sup>1</sup>	B	U	G		
5	STD. (700mA)	12.8W	3	966	75	0	0	0																	
7		17.4W	3	1389	80	0	0	1	1421	82	0	0	1	1046	60	0	0	1	268	16	0	0	0		
			4	1441	83	0	0	1	1428	82	0	0	1	1071	62	0	0	1	309	19	0	0	0		
9		20.6W	3	1745	85	0	0	1	1768	86	0	0	1	1310	64	0	0	1	347	17	0	0	0		
			4	1806	88	0	0	1	1772	86	0	0	1	1317	64	0	0	1	382	19	0	0	0		

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

## PROJECTED LUMEN MAINTENANCE

Ambient Temp.	OPERATING HOURS					
	0	25,000	50,000	TM-21-11 <sup>1</sup> L96 60,000	100,000	L70 (hours)
25°C / 77°F	1.00	0.98	0.97	0.96	0.95	>791,000
40°C / 104°F	0.99	0.98	0.96	0.96	0.94	>635,000

1. Projected per IESNA TM-21-11 \* (Nichia 219B, 700mA, 85°C Ts, 10,000hrs)  
Data references the extrapolated performance projections for the LNC-12LU-5K base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

## LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

AMBIENT TEMPERATURE	LUMEN MULTIPLIER	
0° C	32° F	1.02
10° C	50° F	1.01
20° C	68° F	1.00
25° C	77° F	1.00
30° C	86° F	1.00
40° C	104° F	0.99
50° C	122° F	0.98

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

## ELECTRICAL DATA

# OF LEDS	DRIVE CURRENT (mA)	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	CURRENT (Amps)	SYSTEM POWER (w)
5	1	STD. (700mA)	120	0.11	12.7
			277	0.05	12.7
7	1	STD. (700mA)	120	0.14	17.4
			277	0.07	17.4
9	1	STD. (700mA)	120	0.17	20.6
			277	0.09	20.6



**LIGHTING FACTS**

Hubbell Outdoor Lighting

**LED lighting facts**  
A Program of the U.S. DOE

Light Output (Lumens)	<b>820</b>
Watts	<b>12.7</b>
Lumens per Watt (Efficacy)	<b>64</b>

Color Accuracy Color Rendering Index (CRI)	<b>77</b>
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**Light Color**  
Correlated Color Temperature (CCT)

**5353 (Daylight)**

Warm White    Bright White    Daylight

2700K    3000K    4500K    6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: A25K-LA63GB (12/28/2011)  
Model Number: LNC-SLU-5K  
Type: Outdoor wall pack

Hubbell Outdoor Lighting

**LED lighting facts**  
A Program of the U.S. DOE

Light Output (Lumens)	<b>1147</b>
Watts	<b>16.4</b>
Lumens per Watt (Efficacy)	<b>69</b>

Color Accuracy Color Rendering Index (CRI)	<b>73</b>
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**Light Color**  
Correlated Color Temperature (CCT)

**5052 (Daylight)**

Warm White    Bright White    Daylight

2700K    3000K    4500K    6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: A25K-XRVPLM (3/7/2012)  
Model Number: LNC-7LU-9K-3  
Type: Outdoor wall pack

Hubbell Outdoor Lighting

**LED lighting facts**  
A Program of the U.S. DOE

Light Output (Lumens)	<b>1460</b>
Watts	<b>20.6</b>
Lumens per Watt (Efficacy)	<b>70</b>

Color Accuracy Color Rendering Index (CRI)	<b>73</b>
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**Light Color**  
Correlated Color Temperature (CCT)

**5050 (Daylight)**

Warm White    Bright White    Daylight

2700K    3000K    4500K    6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: A25K-6675TZ (3/7/2012)  
Model Number: LNC-SLU-9K-3  
Type: Outdoor wall pack