

# 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 Type II, III and Type IV lenses provide wide lateral spread. 0-10V dimming 120-277V only.

- LNC5L – 5 LEDs, 12.9w, .11 amp max, 980 lumens, Type II, III or IV
- LNC7L – 7 LEDs, 16.6w, .14 amp max, 1441 lumens, Type II, III or IV
- LNC9L – 9 LEDs, 22w, .18 amp max, 1806 lumens, Type II, III or IV
- 3000K - 80 CRI, 4000K - 70 CRI, and 5000K - 67 CRI, CCT nominal
- Minimum operating temperature is -40°C/-40°F
- Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion

### 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 recessed box 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



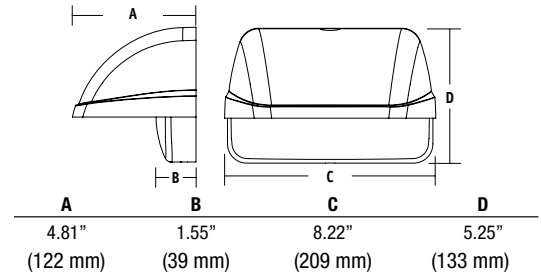
LNC-9L



With diffuser



## DIMENSIONS



## 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

## CERTIFICATIONS/LISTINGS



## ORDERING INFORMATION

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

SERIES	NUMBER OF LEDS/SOURCE/VOLTAGE	CCT	IES DISTRIBUTION	FINISH	OPTIONS
LNC	5LU 5 LEDs, Universal voltage 120-277V	3K 3000K nominal, 70 CRI	2 Type II	1 Bronze	PC(X) <sup>1</sup> Button photocontrol, replace X with voltage, specify 1-120V, 2-208V, 3-240V, 4-277V
	7LU 7 LEDs, Universal voltage 120-277V	4K <sup>3</sup> 4000K nominal, 70 CRI	3 <sup>3</sup> Type III	2 Black	
	9LU <sup>3</sup> 9 LEDs, Universal voltage 120-277V	5K <sup>3</sup> 5000K nominal	4 <sup>3</sup> Type IV	3 Gray	
		AM <sup>2</sup> Amber (590 μm available for "Turtle Friendly"/observatory applications, 350 mA (consult factory))		4 White	
				5 Platinum	

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 4K and 5K only



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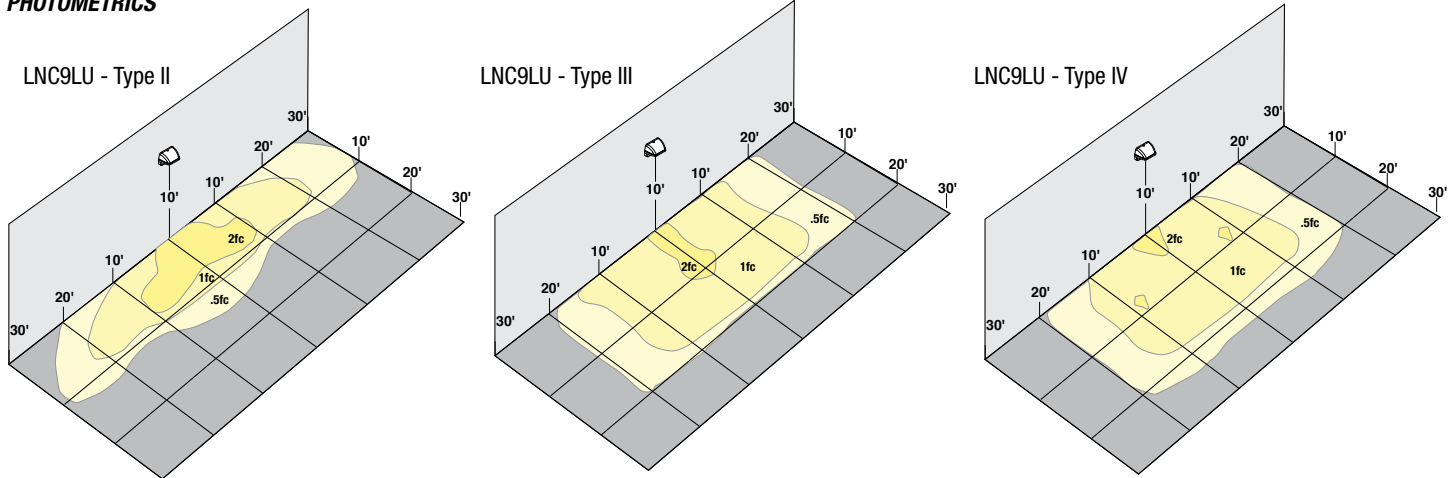
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LAREDO LNC-SPEC 3/15

## 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 (5000K nominal, 67 CRI)		4K (4000K nominal, 70 CRI)		3K (3000K nominal, 70 CRI)		AM (<580 nm wave-length)		
				LUMENS	LPW <sup>1</sup>	LUMENS	LPW <sup>1</sup>	LUMENS	LPW <sup>1</sup>	LUMENS	SYSTEM WATTS	LPW <sup>1</sup>
5	STD. (700mA)	12.9W	2	982	76	926	72	743	58			
			3	967	75.5	920	71	712	55			
			4	980	76.5	900	70	725	56			
7		16.6W	2	1402	82	1268	74	956	56			
			3	1389	80	1421	82	1046	59	268	6.6	59
			4	1441	83	1428	82	1071	61			
9	22W	2	1784	81	1748	79	1302	59				
		3	1745	80	1768	80	1310	59				
		4	1806	81	1771	80	1317	59.5	382	8.3	46	

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. Please consult IES files for BUG ratings.

## 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	12.9
			277	0.05	12.9
7	1	STD. (700mA)	120	0.14	16.6
			277	0.07	16.6
9	1	STD. (700mA)	120	0.17	22
			277	0.09	22



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LNC-SPEC 3/15