

# LAREDO SERIES

LMC - 30LEDs

Cat.#	
Job	Type



Approvals

## SPECIFICATIONS

### Intended Use:

Full cut-off IDA compliant perimeter or entry lighting for 12-18ft mounting heights that require high light output and maximum energy efficiency. Laredo LMC-30 LED wallpack provides low installation costs with little or no maintenance and 60%+ energy savings. Ideal for schools, factories, hospitals, warehouses and retail applications.

### Construction:

Decorative die-cast aluminum housing and door. Rugged design protects internal components and provides excellent thermal management for over 70% lumen maintenance at 50,000 hours minimum LED life. Lektrocote® series powder paint finishes provide lasting appearance in outdoor environments. Five standard finishes include: Bronze, Black, Gray, White and Platinum.

### Optics/Electrical

#### LED:

30 High power LEDs delivers up to 6070 lumens at 700mA and up to 3489 lumens at 350mA. Variety of distributions – Types II, III and IV (Forward throw). High CRI LEDs provide excellent color rendition with up to 100 lumens per watt efficiency.

- CCT- 5000K/ 67 CRI, 4000K/ 70 CRI, 3000K/ 80 CRI
- Electronic driver 71w system (2 drivers, 2 circuits), 0.4 AMPS max, or 35w (1 driver, 2 circuits), 0.3 amps max, 120-277V and 347V and 480V, 50/60Hz
- Surge protection – 20KA; Turns fixture off at end of life; Includes LED for end of life indication (see surge suppressor page 2)

### Lenses:

Full cut-off distribution - individual acrylic LED optics provide IES Type II, III and IV distributions.

### Installation:

Quick mount system provides rigid mounting over recessed junction boxes – fixture does not require opening for mounting. Foam gasket for sealing to smooth surfaces provided. Superior performance with 5 to 1 spacing to mounting height ratio. Minimum operating temperature is -40°C/ -40°F.

### Controls:

Drivers are 0-10V dimming standard. Photocell and occupancy sensor options available for complete on/off and dimming control.

### Listings:

- Listed to UL1598 for wet locations
- 40° C ambient environments
- U.S. Patent No. D563,587
- DesignLights Consortium (DLC) qualified, Consult DLC website for more details: <http://www.designlights.org/QPL>

### LMC-30LU Egress Wallpack:

Designed to meet strict 1fc minimum requirements. At 12ft mounting height 1fc covers 16x16ft area, well beyond the 10x10ft standard; No upright, external test button; 120V or 277V only; Rated -20° C to 35° C

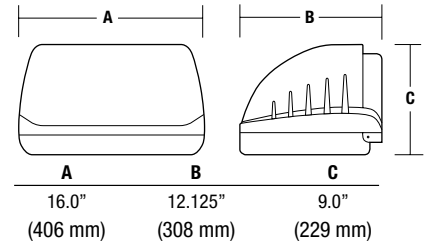
### Warranty:

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

## PRODUCT IMAGE(S)



## DIMENSIONS



## ORDERING INFORMATION

ORDERING EXAMPLE: LMC-30LU-5K-3-1-PC(4)

SERIES	NUMBER OF LEDS/SOURCE/VOLTAGE	CCT	IES DISTRIBUTION	DRIVE CURRENT	FINISH	OPTIONS
LMC						
Laredo Medium Cut-off	<b>30LU</b> 30 LEDs, Universal voltage 120-277V <b>30L1</b> 30 LEDs, 120V <b>30L2</b> 30 LEDs, 208V <b>30L3</b> 30 LEDs, 240V <b>30L4</b> 30 LEDs, 277V <b>30LF</b> 30 LEDs, 347V <b>30L5</b> 30 LEDs, 480V	<b>3K</b> 3000K nominal <b>4K</b> 4000K nominal <b>5K</b> 5000K nominal	<b>2</b> Type II <b>3</b> Type III <b>4</b> Type IV (Forward throw)	<b>BLANK</b> STD 700MA <b>035</b> 350MA	<b>1</b> Bronze <b>2</b> Black <b>3</b> Gray <b>4</b> White <b>5</b> Platinum	<b>BBU</b> <sup>1</sup> Integral battery for 120 or 277V rated for -20° C ambient; Available in 350mA (035) drive current only <b>PC</b> <sup>1</sup> Button photocontrol, replace X with voltage, specify 1-120V, 2-208V, 3-240V, 4-277V <b>F</b> <sup>1</sup> Fusing (specify voltage per footnote) <b>SCP</b> <sup>1,2</sup> Programmable motion control, factory default is 10% light output <a href="#">Controls Guide</a>

1 PC(X) and F Replace X with 1-120V, 2-208V, 3-240V, 4-277V

2 Must order minimum of one SCP-REMOTE to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, 120V-277V only



**ACCESSORIES/REPLACEMENT PARTS - Order Separately**

Catalog Number	Description
LMC-SPC	Polycarbonate shield
PBT-1	120V button photocontrol
PBT-234	208/240/277V button photocontrol
93044764	40w, 700mA, 120-277V, 0-10V dimming driver
93052458	20KA surge protection with an end of life LED indicator
SCP-REMOTE	Remote control for SCP option; order at least one per project to program and control

**PERFORMANCE DATA**

# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	5K (5000K nominal, 67 CRI)		4K (4000K nominal, 70 CRI)		3K (3000K nominal, 80 CRI)	
				LUMENS	LPW <sup>1</sup>	LUMENS	LPW <sup>1</sup>	LUMENS	LPW <sup>1</sup>
30	BBU*	-	3	1546*	-	1405*	-	1101*	-
			2	3489	100	3151	90	2624	75
	350mA	35w	3	3448	98	3234	92	2632	75
			4	3422	98	3177	91	2644	76
			2	6070	87	5403	77	4469	64
			3	6023	86	5594	80	4538	65
	700mA	70w	4	5949	85	5461	78	4537	65

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.  
\*BBU emergency mode lumen output.

**ELECTRICAL DATA**

# OF LEDS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	CURRENT (Amps)	SYSTEM POWER (w)
30	-035 (350mA)	120	0.33	35.00
		277	0.14	35.00
	STD. (700mA)	120	0.60	70.00
		208	0.35	70.00
		277	0.26	70.00
		347	0.22	70.00
		480	0.16	70.00

**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	0.97	0.95	0.95	0.92	>539,000

1. Projected per IESNA TM-21-11 \* (Nichia 219B, 700mA, 85°C Ts, 10,000hrs)  
Data references the extrapolated performance projections for the LMC-30LU-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 0-40°C (32-104°F).

**SURGE PROTECTION**

- Field replaceable surge protection device (SPD) provides 20KA and 10KV protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3
- The SPD is designed with a clamping voltage of 1600V at 20KA using industry standard 8/20µs waveform
- Max surge current = 20,000 Amps (see table)
- LED Indicator – Green LED is unlit at end of life

Pulse Rating (8 x 20 µSec)	
Strikes	Surge
1	20,000 A
2	15,000 A
15	10,000 A
120	3,000 A

I <sub>n</sub>	cRUus	CE
	10KA	5KA

