

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. Lekrocote® 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- 5100K/ 67 CRI, 4200K/ 70 CRI, 3000K/ 80 CRI
- Electronic driver 71w system, 0.4 AMPS max, or 35w, 0.3 amps max, 120-277V, 50/60Hz.
- 10 KVA surge protector

Lenses:

Full cut-off distribution - individual acrylic LED optics provide IES Type III and Type 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.

Listings:

- Listed to UL1598 for wet locations
- UL certified for thru-wiring.
- 25° 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. 44w - 350mA drives 30LEDs at 3500 lumens at full power/ 2046 average lumens in battery mode. Outer clear impact resistant glass lens protects LED lenses. No uplight, external test button, quick mount, wet location listed. (Note: must use Type III)

Warranty:

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

PRODUCT IMAGE(S)

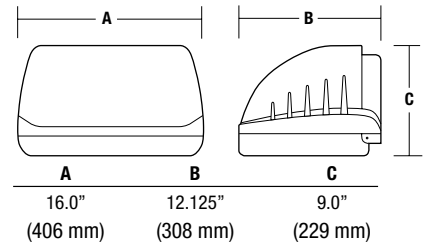


LMC-30LU



LMC-30LU BOC/BBU

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	30LU 30 LEDs, 71w input, Universal voltage	3K 3000K nominal	2 Type II	BLANK STD 700MA	1 Bronze	PC(X) ¹ Button photocontrol, replace X with voltage, specify 1-120V, 2-208V, 3-240V, 4-277V
	30LF 30 LEDs, 71w input, 347V	4K 4200K nominal	3 Type III	035 350MA	2 Black	F(X) ¹ Fusing (specify voltage per footnote)
		5K 5100K nominal	4 Type IV (Forward throw)		3 Gray	WIH In fixture wireless control module, (120V & 277V only) order separately, consult factory
					4 White	
					5 Platinum	

ORDERING INFORMATION EGRESS LMC-30LU

ORDERING EXAMPLE: LMC-30LU-5K-3-035-1-BBU277

SERIES	NUMBER OF LEDS/SOURCE/VOLTAGE	CCT	IES DISTRIBUTION	DRIVE CURRENT	FINISH	OPTIONS
LMC	30LU 30 LEDs, 43w input, Universal voltage	4K 4200K nominal	3 ² Type III	035 350MA	1 Bronze	BBU277 Integral battery for 120-277V rated for -20° C ambient
	30LF 30 LEDs, 43w input, 347V	5K 5100K nominal			2 Black	BQC277 Integral battery for 120-277V rated for 0° C ambient
					3 Gray	PC(X) ¹ Button photocontrol, replace X with voltage, specify 1-120V, 2-208V, 3-240V, 4-277V
					4 White	
					5 Platinum	

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

2 Egress versions only Type III



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
93022563	10 KVA surge protector

PERFORMANCE DATA

# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	5K (5100K nominal, 67 CRI)					4K (4200K nominal, 70 CRI)					3K (3000K nominal, 80 CRI)				
				LUMENS	LPW ¹	B	U	G	LUMENS	LPW ¹	B	U	G	LUMENS	LPW ¹	B	U	G
30	BOC/BBU	BOC/BBU	3	2046	-	1	0	1	1860	-	1	0	1	1457	-	0	0	0
				3489	100	1	0	1	3151	90	1	0	1	2624	75	1	0	1
				3448	98	1	0	1	3234	92	1	0	1	2632	75	1	0	1
				3422	98	1	0	1	3177	91	1	0	1	2644	76	1	0	1
	350mA	35w	2	6070	87	2	0	2	5403	77	1	0	1	4469	64	1	0	1
				6023	86	1	0	1	5594	80	1	0	1	4538	65	1	0	1
				5949	85	1	0	2	5461	78	1	0	2	4537	65	1	0	2
				700mA	70w	2	6070	87	2	0	2	5403	77	1	0	1	4469	64
	6023	86	1	0			1	5594	80	1	0	1	4538	65	1	0	1	
	5949	85	1	0			2	5461	78	1	0	2	4537	65	1	0	2	
	4	5949	85	1			0	2	5461	78	1	0	2	4537	65	1	0	2

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.

ELECTRICAL DATA

# OF LEDS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	CURRENT (Amps)	SYSTEM POWER (w)
30	-035 (350mA)	120	0.30	35.00
		277		35.00
	STD. (700mA)	120	0.60	70.00
		277		70.00

PROJECTED LUMEN MAINTENANCE

Ambient Temp.	OPERATING HOURS					
	0	25,000	50,000	TM-21-11 ¹ 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).