

# RM LED ROADWAY RM30 SERIES

Cat.#

Job

Type



**HUBBELL**  
Outdoor Lighting

Approvals

## SPECIFICATIONS

### Intended Use:

The LED RM unit is used to replace and upgrade 70-150w HPS roadway systems for increased uniformity and over 60% energy savings. Typical applications include roadway, parking, area and perimeter lighting.

### Features:

- Solid State/Light Emitting Diode (LED) light source
- 120-277V, 347/480V electronic dimming drivers 2 at 700mA, 1 at 350mA
- Die-cast aluminum housing
- Lektrocote® finish with 5 standard and custom colors available
- Drivers both IP66 and RoHS compliant

### Construction:

Die-cast aluminum housing and doors provide light weight, yet durable protection. A driver door allows easy access for both mounting and wiring

### Optics/Electrical

#### LED:

- A 30LED light engine provides a nominal 3800 lumens at 350 mA or 6500 lumens at 700 mA with standard IES distributions of Type II, III, IV, V with up to 111 LPW efficiency
- Each LED has individual optical lens so every source contributes to the same IES pattern

### Electrical:

Units consume 35w, at 350 mA or 71w 700 mA drive current. Standard drivers (2) are 0-10V dimming 120-277V, 347V and 480V.

Surge protection – 20KA; Turns fixture off at end of life; Includes LED for end of life indication (see surge suppressor page 2)

### Operating Temperature:

Units are designed to operate from -40° C to 40° C ambient

### Listings:

- All models meet DesignLights Consortium (DLC) qualifications, consult DLC website for more details:  
<http://www.designlights.org/QPL>

- Listed to UL1598 for use in wet locations

### Installation:

RM fixtures feature a 4 bolt twin clamp mounting to either 2 3/8" OD or 1 5/8" OD pipe. A center fulcrum allows leveling of +or- 5 degrees by clamp adjustment. A 'bird shield' is included on all fixtures. Fixtures are capable of 3G installations. Suitable for use in wet locations.

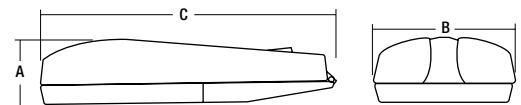
### Warranty:

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

## PRODUCT IMAGE(S)



## DIMENSIONS



	A	B	C	EPA	Weight
RM	6.75"	13"	29.75"	0.6 ft <sup>2</sup>	14 lbs.
	171 mm	330 mm	756 mm	.05 m <sup>2</sup>	6.44 kg.

## CERTIFICATIONS/LISTINGS



- ANSI 3G rated

## ORDERING INFORMATION

ORDERING EXAMPLE: RM-30LU-5K-2-035-3-F1-BZ

SERIES	NUMBER OF LEDs	VOLTAGE	CCT	IES DISTRIBUTION	DRIVE CURRENT	PHOTOCONTROL RECEPTACLE	OPTIONS	FINISH
RM Cut-off, top mounted driver	30L 30 LEDs	U 120-277V 5 480V F 347V	3K 3000K nominal 4K 4000K nominal 5K 5000K nominal	2 Type II 3 Type III 4 Type IV 5M Type V	BLANK 700 mA (71w) 035 350 mA (35w)	2 None 3 Yes	F(X) Fusing, replace X with voltage, specify: 1-120V 2-208V 3-240V 4-277V 5-480V 6-347V BC <sup>2</sup> Backlight Control	BL Black DB Dark Bronze CC <sup>1</sup> Custom Color (Reference RAL#) GR Gray PS Platinum Silver WH White

<sup>1</sup> Contact factory for minimum order quantities

<sup>2</sup> Recommended for Type III and IV distributions only



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## ELECTRICAL DATA

# OF LEDS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
30	(350mA)	120	35.5	0.30
		277	34.4	0.14
30	(700mA)	120	70.4	0.59
		277	69.3	0.28

## PROJECTED LUMEN MAINTENANCE

Ambient Temp.	OPERATING HOURS					L70 (hours)
	0	25,000	50,000	TM-21-11 <sup>1</sup> L96 60,000	100,000	
25°C / 77°F	1.00	0.98	0.97	0.96	0.95	796,000
40°C / 104°F	0.99	0.96	0.95	0.95	0.93	645,000

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.

## PERFORMANCE DATA

				5K (5000K nominal, 67 CRI)					4K (4000K nominal, 70 CRI)					3K (3000K nominal, 80 CRI)				
# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	LUMENS	LPW <sup>1</sup>	B	U	G	LUMENS	LPW <sup>1</sup>	B	U	G	LUMENS	LPW <sup>1</sup>	B	U	G
30	350mA	35W	2	3857	110	1	0	1	3329	95	1	0	1	2650	76	1	0	1
			3	3868	111	1	0	1	3322	95	1	0	1	2689	77	1	0	1
			4	3755	107	1	0	2										
			5M	3871	111	2	0	0										
30	700mA	70W	2	6712	96	2	0	2	5843	83	2	0	2	4612	66	1	0	1
			3	6718	96	1	1	2	5840	83	1	0	2	4632	66	1	0	1
			4	6629	95	1	0	2										
			5M	6867	98	3	0	1										

1 – 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.

## 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).

## ACCESSORIES/REPLACEMENT PARTS - Order Separately

Catalog Number	Description
93052458	20KA surge protection with an end of life LED indicator

## 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)		cRUus	CE
Strikes	Surge		
1	20,000 A	10KA	5KA
2	15,000 A		
15	10,000 A		
120	3,000 A		



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