

RM LED ROADWAY RM30 SERIES

Cat.#	
Job	Type



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
- Lekrocote® 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.

Field replaceable surge protection device provides 10KA 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 1500V at 10KA using industry standard 8/20µs waveform.

Operating Temperature:

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

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 ²	14 lbs.
	171 mm	330 mm	756 mm	.05 m ²	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	30L	U 120-277V 5 480V F 347V	3K 3000K nominal 4K 4200K nominal 5K 5100K 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 ² Backlight Control	BL Black DB Dark Bronze CC ¹ Custom Color (Reference RAL#) GR Gray PS Platinum Silver WH White

1 Contact factory for minimum order quantities

2 Recommended for Type III and IV distributions only



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ELECTRICAL DATA

# OF LEDES	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 ¹ 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

# OF LEDES	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	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).



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