

ROADMAX® EDGE

RX-E1 SPECIFICATIONS

Housing: Single piece, die-cast AlSi12 aluminum alloy with <0.6% copper content.

Operating Temperature: -40°C to +50°C (-40°F to +122°F)¹

Mounting: 1.625" - 2.375" (42 - 60 mm) O.D. tenons.

Mounting Methods: Horizontal entry or post-top mount.

Weight: 8 lbs (3.6kg)

EPA Rating: 0.215 ft² (0.020 m²)

Lens Material: PMMA, IK09 rated glass optional.

Ingress Protection: Power supply and optical assembly are IP66 rated per IEC 60529/ANSI C136.25. Luminaire is rated for wet locations.

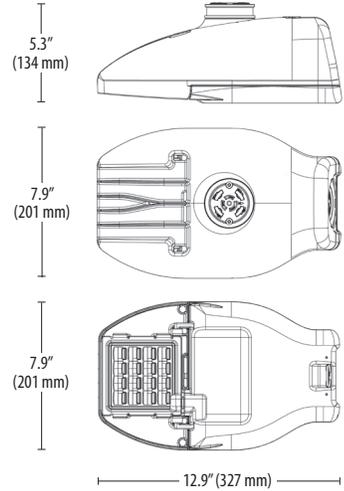
Warranty: 10-year warranty (Standard).

Finish: Durable polyester powdercoat topcoat.

Available Colors:

GREY (RAL-7035)

BLACK (RAL-9005)



ROADMAX RX-E1 (16 LEDs)

ELECTRICAL																
Power Consumption (W)	17	20	23	25	30	35	42	47	53	55	58	61	66	71	77	82
Drive Currents (mA)	175	200	232	250	300	350	400	450	500	525	575	600	650	700	750	800
LED Voltage (V)	6															
Input Voltage (V)	120 - 277V (Standard), 347 - 480V (Optional), 220-240V (Optional).															
Surge Protection	Meets ANSI C136.2 - 2023 extreme electrical transient immunity requirements (20kV/10kA).															
Power Factor	>0.90															
Receptacle	7-PIN receptacle (ANSI C136.41), Zhaga Book 18 (Optional).															

OPTICS & PERFORMANCE																
Photometry (Distribution)	2ES (Type II Max Throw) , 3LM (Type III Medium), G2S (Glass Type II Max Throw), G3M (Glass Type III Medium), 5RM (Type V Round).															
Color Temperature (CCT)	3000K (Standard), 4000K (Optional), 2700K (Optional), 2200K (Optional), 5000K (Optional).															
Color Rendering Index (CRI)	70															
4000K Fixture Efficacy (Lm/W)	187	186	185	183	181	178	174	172	165	165	166	166	164	162	160	158
4000K Fixture Output (Lm)	3,200	3,700	4,200	4,550	5,400	6,250	7,300	8,050	8,750	9,100	9,700	10,100	10,800	11,500	12,300	12,800
3000K Fixture Efficacy (Lm/W)	178	178	177	175	173	172	167	165	158	158	158	158	156	155	153	151
3000K Fixture Output (Lm)	3,050	3,550	4,050	4,350	5,100	5,900	7,000	7,750	8,400	8,700	9,350	9,650	10,300	11,050	11,700	12,250
2700K Fixture Efficacy (Lm/W)	173	172	171	170	168	165	161	160	154	154	154	154	152	151	149	145
2700K Fixture Output (Lm)	2,950	3,450	3,950	4,250	5,050	5,800	6,800	7,500	8,150	8,500	9,050	9,400	10,050	10,750	11,500	11,950
2200K Fixture Efficacy (Lm/W)	152	152	150	150	148	147	142	141	136	136	136	136	135	134	131	129
2200K Fixture Output (Lm)	2,600	3,050	3,450	3,750	4,450	5,150	6,000	6,650	7,200	7,500	8,000	8,300	8,900	9,500	10,100	10,550
LED L70 (Hours)	> 100,000 hours @ maximum drive current.															

1. CE rated to +50°C ambient (select models). UL certification pending; contact factory for special options.

Performance data refer to type 2ES Optic without glass protector. Values shown are subject to ±5% tolerance. Color temperatures shown are ±300K. If post-top version is specified, add 5.4" (137 mm) to overall length dimension. Post top must be ordered separately. Illustrated Above: ROADMAX RX-E1 in grey (RAL 7035). All information provided is subject to change without notice.



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ROADMAX® EDGE

RX-E1 SPECIFICATIONS

STANDARD OUTPUT ORDERING INFORMATION

Example catalog number: RX-E1-6-16-5-7-2ES-1-S-GY-4-UL-2-S-A-XXXX

FAMILY ID	LED SERIES	LEDS	VOLTAGE ¹	RECEPTACLE ²	OPTICS	POWER
RX-E1	6	16				
RX-E1	6	16	2 - 220 - 240V 5 - 120 - 277V 6 - 347 - 480V	7 - 7-PIN Receptacle (C136.41) S - Solid Top (No Receptacle) ³ Z - Zhaga (Book 18) ³ Y - 7-PIN Receptacle (C136.41) on top, Zhaga (Book 18) sensor port on luminaire door. ³ W - Zhaga (Book 18) on top, Zhaga (Book 18) sensor port on luminaire door. ³	2ES - Type II Max Throw 3LM - Type III Medium G2S - Glass Type II Max Throw G3M - Glass Type III Medium 5RM - Type V Round	1 - 17W (175mA) R - 53W (500mA) M - 20W (200mA) 5 - 55W (525mA) O - 23W (232mA) U - 58W (575mA) 2 - 25W (250mA) 6 - 61W (600mA) W - 30W (300mA) K - 66W (650mA) 3 - 35W (350mA) 7 - 71W (700mA) T - 42W (400mA) G - 77W (750mA) 4 - 47W (450mA) L - 82W (800mA)

DRIVER OPTION ³	FINISH	COLOR TEMP (CCT) ⁴	CERTIFICATION ⁵	MOUNTING METHOD ⁶	WIRING CHAMBER
			UL		
S - Standard Dimming (1-10V) D - DALI 2 - DALI 2.0 Z - D4i	GY - Grey (RAL 7035) BK - Black (RAL 9005)	4 - 4000K (Standard) 3 - 3000K (Optional) 2 - 2700K (Optional) D - 2200K (Optional) 5 - 5000K (Optional)	UL - cULus	2 - 2-Bolt Horizontal Mount 4 - 4-Bolt Horizontal Mount	S - Standard F - Field Adjustable Output (FAO) Switch ⁷

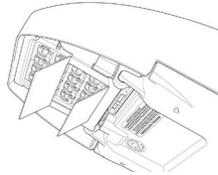
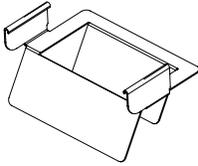
SURGE PROTECTION	OTHER OPTIONS
A	
A - 20 kV / 10 kA Fail-Off	If applicable, insert 4 digit Special Product Request code (SPR)

CATALOG NUMBER:

FIELD ADJUSTABLE OUTPUT SWITCH (FAO) ⁸	
FAO POSITION	% OF LED WATTAGE
A	100%
B	91%
C	79%
D	67%
E	55%
F	44%
G	33%
H	23%



PHOTOCELL & CONTROLS	
Photocell Options	20-year life photocell available. A complete range of wireless control and monitoring solutions are available.
Shorting Cap	120-248V shorting cap available (ordered separately).
Control & Monitoring	Dimming power supply (1-10V) is standard equipment. A complete range of wireless control and monitoring solutions are available. DALI and D4i drivers are optional.

LIGHT TRESPASS SHIELD (REVERSIBLE) ACCESSORY	
Accessory ships separately	Part number: LRL-MT0155-LF
	

1. 347-480V only with 16 LED, 30W and above. 2. Consult factory for lead time for all options that are not standard "7 pin" receptacle. If photocells are required, they must be ordered separately. 3. If Memory Banks (DALI Part 251) info is to be populated, separate form 'DALI Ordering Guide' will need to be filled in and submitted for the order to be processed. 4. Other color temperatures available. 5. CE rated to +50°C ambient (select models). UL certification pending; contact factory for special options. 6. If post-top mount required, bracket must be ordered separately. 7. Requires 1-10V dimming driver option. 8. Typical value accuracy +/- 5%

Information provided is subject to change without notice. Evluma supplies and warrants luminaires and proprietary control systems only. It is the responsibility of the client to select lighting poles and mounting arms that are suitable for the application (including but not limited to wind loading, seismic requirements, etc.) and the characteristics of the luminaire (e.g. EPA rating), and to confirm integrity and suitability of existing poles and mounting arms prior to installation. Copyright © 2026 Express Imaging Systems, LLC. Evluma, RoadMax and RoadMax Edge are trademarks of Express Imaging Systems, LLC. All rights reserved.