

DESCRIPTION

The Ridgeview™ LED area roadway luminaire is the compact, efficient, economical approach to LED area lighting. A pure blend of traditional form and LED efficiency; the Ridgeview luminaire provides functional, low profile design with excellent operating performance. Patent pending modular LightBAR technology delivers uniform and energy conscious illumination to parking lots and perimeter security lighting applications.

Catalog #	Type	
Project		
Comments	Date	
Prepared by		

SPECIFICATION FEATURES

Construction

Rugged one-piece, die-cast aluminum housing secures the thermally conductive LED panel and electrical chamber. Low profile, 3G vibration rated compact design minimizes wind load requirements. Extruded aluminum frame secured with stainless steel hardware confines the LightBAR panel to the thermally conductive housing. The unique glide bracket LightBAR panel allows for easy access to the electrical chamber.

Optics

Choice of twelve patented, high-efficiency AccuLED Optic™ technology manufactured from injection-molded acrylic. Optics are precisely designed to shape the distribution the distribution, maximizing efficiency and application spacing. AccuLED Optic technology, creates consistent distributions with the scalability to meet customized application requirements. Offered Standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K CCT, 5000K CCT and 5700K CCT. For the ultimate level of spill light control, an optional house-side shield

accessory can be field or factory installed. The house-side shield is designed to seamlessly integrate with the SL2, SL3 or SL4 optics.

Electrical

LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz), 347V 60Hz or 480V 60Hz operation, greater than 0.9 power factor, less than 20% harmonic distortion, and is suitable for operation in -40°C to 40°C ambient environments. All fixtures are shipped standard with 10kV/10kA common – and differential – mode surge protection. LightBARs feature and IP66 enclosure rating and maintain greater than 95% lumen maintenance at 60,000 hours per IESNA TM-21. Occupancy sensor and dimming options available.

Mounting

Cast aluminum 6" arm includes bolt guides allowing for easy position of the fixture during installation to pole. Standard single carton packaging of housing,

square pole arm and round pole adapter provide contractor friendly installation. Wall mount models feature a cast aluminum arm that is directly mounted to a 4" supplied wall plate secured with set screws.

Finish

Components finished in a five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard color is bronze. Optional colors include black, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

Warranty

Five-year warranty.



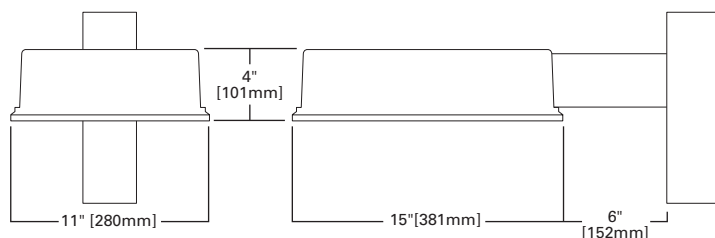
RDG RIDGEVIEW

1 - 4 LightBARs
Solid State LED

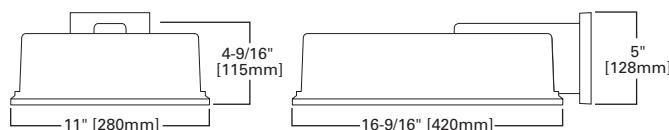
AREA LUMINAIRE

DIMENSIONS

POLE MOUNT



WALL MOUNT



CERTIFICATIONS

UL/cUL Listed
LM79 / LM80 Compliant
3G Vibration Rated
IP65 Fixture Rating
IP66 LightBARs
ISO 9001

ENERGY DATA

Electronic LED Driver

>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz,
480V/60Hz
-40°C Minimum Temperature
40°C Ambient Temperature Rating
50°C (Optional) Ambient Temperature
Rating

EPA

Effective Projected Area: (Sq. Ft.)
Without Arm: 0.48
With Arm: 0.67

SHIPPING DATA

Approximate Net Weight:
12.5 lbs (5.8 kgs.)

POWER AND LUMENS BY BAR COUNT (21 LED LIGHTBARS)

Number of LightBARs		E01	E02	E03	E04
Drive Current		350mA Drive Current			
Power (Watts)		25W	52W	75W	97W
Current @ 120V (A)		0.22	0.44	0.63	0.82
Current @ 277V (A)		0.10	0.20	0.28	0.36
Power (Watts)		31W	58W	82W	99W
Current @ 347V (A)		0.11	0.19	0.28	0.29
Current @ 480V (A)		0.09	0.15	0.20	0.21
T2	Lumens	2,999	5,997	8,996	11,994
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3
T3	Lumens	2,986	5,972	8,957	11,943
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3
T4	Lumens	2,939	5,877	8,816	11,754
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G3
5MQ	Lumens	3,108	6,215	9,323	12,431
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2
5WQ	Lumens	3,066	6,131	9,197	12,262
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2
5XQ	Lumens	3,092	6,184	9,276	12,368
	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3	B4-U0-G3
SL2	Lumens	2,928	5,856	8,784	11,712
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2
SL3	Lumens	2,969	5,937	8,906	11,875
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2
SL4	Lumens	2,882	5,764	8,646	11,528
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2
RW	Lumens	3,004	6,007	9,011	12,015
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3
SLL/SLR	Lumens	2,693	5,387	8,080	10,774
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3

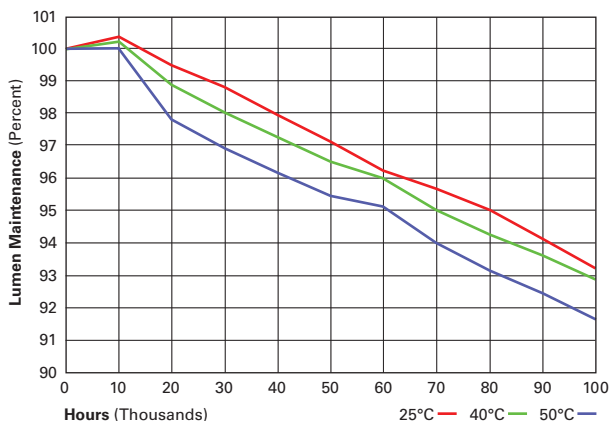
POWER AND LUMENS BY BAR COUNT (7 LED LIGHTBARS)

Number of LightBARs		F01	F02	F03	F04
Drive Current		1A Drive Current			
Power (Watts)		26W	55W	78W	102W
Current @ 120V (A)		0.22	0.46	0.66	0.86
Current @ 277V (A)		0.10	0.21	0.29	0.37
Power (Watts)		32W	60W	85W	105W
Current @ 347V (A)		0.11	0.19	0.28	0.30
Current @ 480V (A)		0.09	0.15	0.21	0.22
T2	Lumens	2,475	4,951	7,426	9,902
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3
T3	Lumens	2,465	4,930	7,395	9,859
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3
T4	Lumens	2,426	4,852	7,278	9,704
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2
5MQ	Lumens	2,565	5,131	7,696	10,262
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2
5WQ	Lumens	2,531	5,061	7,592	10,123
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2
5XQ	Lumens	2,553	5,105	7,658	10,210
	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3	B4-U0-G3
SL2	Lumens	2,417	4,834	7,251	9,668
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B2-U0-G2
SL3	Lumens	2,451	4,901	7,352	9,803
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B2-U0-G2
SL4	Lumens	2,379	4,758	7,138	9,517
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2
RW	Lumens	2,480	4,959	7,439	9,918
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3
SLL/SLR	Lumens	2,224	4,447	6,671	8,894
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B1-U0-G3

LUMEN MAINTENANCE

Ambient Temperature	25,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours	Theoretical L70 (Hours)
25°C	> 99%	> 97%	> 96%	> 93%	> 450,000
40°C	> 98%	> 97%	> 96%	> 92%	> 425,000
50°C	> 97%	> 96%	> 95%	> 91%	> 400,000

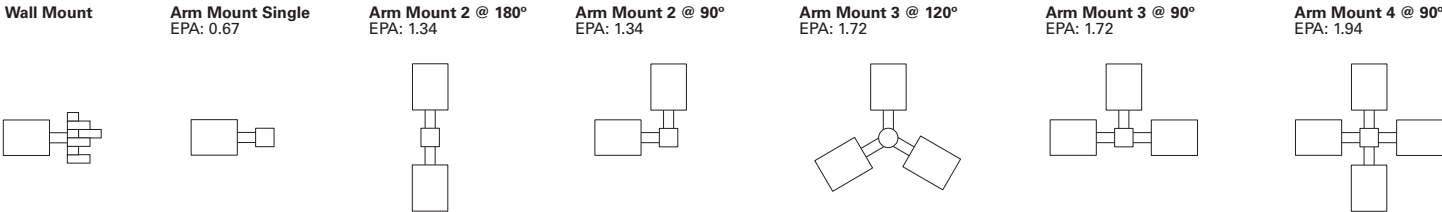
* Per IESNA TM-21 data.



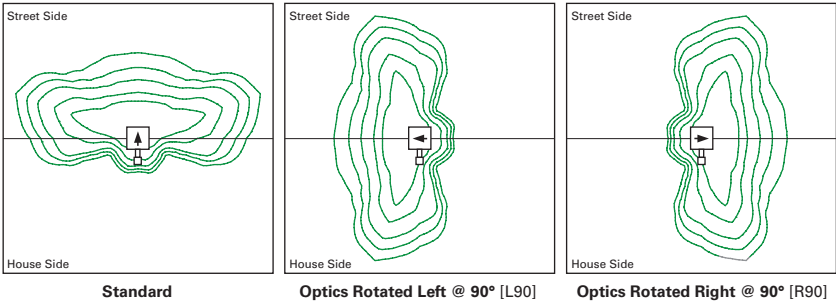
LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99
50°C	0.96

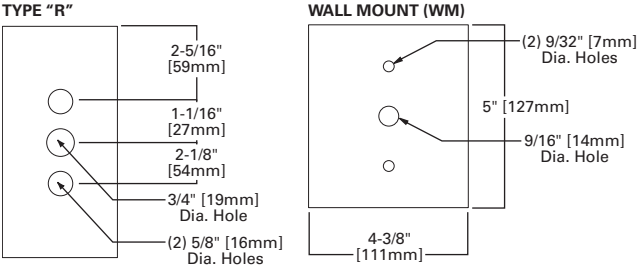
MOUNTING CONFIGURATIONS AND EPAS



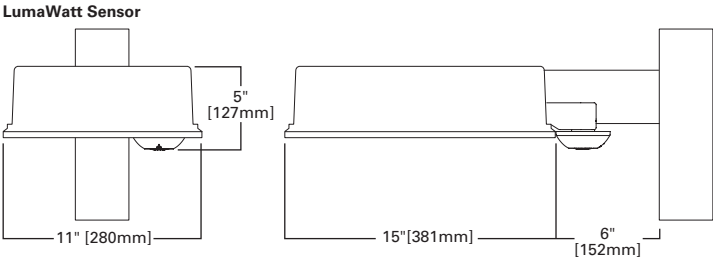
OPTIC ORIENTATION



DRILLING PATTERNS



OPTIONAL WIRELESS CONTROL



ORDERING INFORMATION

Sample Number: RDG-E04-LED-E-U-T3-BZ

Product Family ^{1,2}	Number of LightBARs ^{3,4}	Lamp Type	Ballast Type	Voltage	Distribution	Color
RDG =Ridgeview	E01 =(1) 21 LED LightBAR E02 =(2) 21 LED LightBARs E03 =(3) 21 LED LightBARs E04 =(4) 21 LED LightBARs F01 =(1) 7 LED LightBAR F02 =(2) 7 LED LightBARs F03 =(3) 7 LED LightBARs F04 =(4) 7 LED LightBARs	LED =Solid State Light Emitting Diodes	E =Electronic	U =Universal (120-277V) 8 =480V ^{5,6} 9 =347V ⁵	T2 =Type II T3 =Type III T4 =Type IV SL2 =Type II with Spill Control SL3 =Type III with Spill Control SL4 =Type IV with Spill Control RW =Rectangular Wide 5MQ =Type V Square Medium 5WQ =Type V Square Wide 5XQ =Type V Square Extra Wide SLL =90° Spill Light Eliminator Left SLR =90° Spill Light Eliminator Right	AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White
Options (Add as Suffix)				Accessories (Order Separately) ¹⁸		
R90 =Optics Rotated Right 90° L90 =Optics Rotated Left 90° 4 =NEMA Twistlock Photocontrol Receptacle 4N7 =7-PIN NEMA Twistlock Photocontrol Receptacle U =UL and cUL Listed 2L =Two Circuits ⁷ 7030 =70 CRI / 3000K ⁸ 7050 =70 CRI / 5000K ⁸ 7060 =70 CRI / 5700K ⁸ 8030 =80 CRI / 3000K ⁸ WM =Wall Mount Arm ⁹ P =Button Type Photocontrol ¹⁰ BBLEDCLD =UL924 Cold Battery Backup (Specify Voltage) ¹¹ HA =50°C High Ambient Temperature Rating ¹² MS-LXX =Motion Sensor for ON/OFF Operation ¹³ MS/X-LXX =Motion Sensor for Bi-Level Switching ¹⁴ DIMRF-LW =LumaWatt Wireless Sensor, Wide Lens for 8' - 16' Mounting Height ^{15,16} DIMRF-LN =LumaWatt Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height ^{15,16} LCF =LightBAR Cover Plate Matches Housing Finish HSS =Factory Installed House Side Shield ¹⁷				SA1175-XX =Single Tenon Adapter for 3-1/2" O.D. Tenon SA1176-XX =2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon SA1177-XX =3 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon SA1178-XX =4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon SA1179-XX =2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon SA1180-XX =2 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon SA1181-XX =3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon SA1182-XX =Single Tenon Adapter for 2-3/8" O.D. Tenon SA1183-XX =2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon SA1184-XX =3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon SA1185-XX =4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon SA1186-XX =2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon SA1187-XX =3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon OA/RA1016 =NEMA Twistlock Photocontrol - Multi-Tap OA/RA1014 =NEMA Twistlock Photocontrol - 120V OA1223 =10kV Circuit Module Replacement OA/RA1013 =Photocontrol Shorting Cap LB/HSS-21 =Field Installed House Side Shield for "E" LightBARs ^{12,19} LB/HSS-07 =Field Installed House Side Shield for "F" LightBARs ^{12,19}		

NOTES:

- Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
- 6" Arm and round pole adapter included with fixture.
- 21 LED LightBAR powered at 350mA, 7 LED LightBAR powered at 1A.
- Lumen values based upon 4000K CCT, 350mA or 1A drive current, 25°C ambient operating temperature.
- Not available with two circuit option.
- Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase Four Wire Delta and Three Phase Two Wire Corner Grounded Delta systems).
- 2L option not available in 347V or 480V. Low-level output varies with LightBAR count. Requires quantity of two or more LightBARs.
- Extended lead times apply. See website for IES files.
- Wall mount arm and mounting plate included with fixture.
- Specify voltage. Available in 120, 277, 208 or 240V.
- Specify 120V or 277V. Available with E01 or F01 configurations only. 25°C ambient operating temperature.
- HA not available with BBLEDCLD or MS-LXX or MS/X-LXX options. Limit three LightBARs with HA option.
- Sensor housed in external box mounted to the luminaire. Replace XX with mounting height in feet for proper lens selection (e.g., MS-L20). Not available with HA option. Consult factory for more information.
- Motion sensor for bi-level switching. Sensor housed in external box mounted to the luminaire. Available in E02-E04 and F02-F04 configurations. Replace X with number of bars operating in low output mode and replace XX with fixture mounting height for proper lens selection (e.g., MS/3-L20). Not available with HA option. Consult factory of more information.
- LumaWatt wireless sensors are factory installed only requiring network components RF-EM-1, RF-GW-1 and RF-ROUT-1 in appropriate quantities. See www.eaton.com/lighting for LumaWatt application information.
- Only available in pole mount configuration.
- Only for use with SL2, SL3 and SL4 distributions. Not available with L90 or R90 options.
- Replace XX with color designation.
- One required for each LightBAR. Not available with L90 or R90 options.