Lumark

DESCRIPTION

The Ridgeview™ LED area 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. Patented modular LightBAR™ technology delivers uniform and energy-efficient 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. Optics are precisely designed to shape the light output, 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.

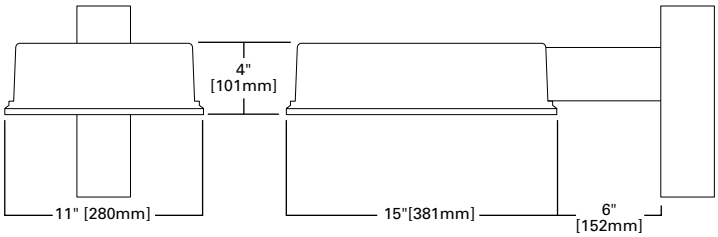
RV
RIDGEVIEW

1 - 4 LightBARs
Solid State LED

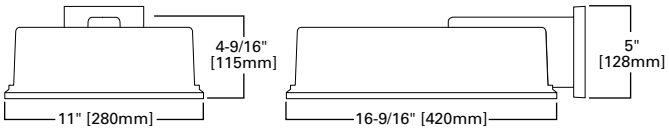
AREA LUMINAIRE

DIMENSIONS

POLE MOUNT



WALL MOUNT



CERTIFICATIONS
UL/cUL Listed
LM79 / LM80 Compliant
3G Vibration Rated
IP65 Fixture Rating
IP66 LightBARs
ISO 9001
Dark Sky Approved (3000K CCT and warmer only)

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

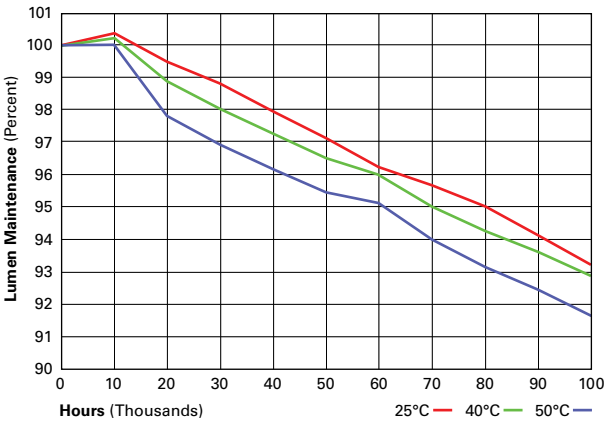
POWER AND LUMENS BY BAR COUNT (7 LED LIGHTBARS)

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.

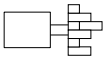


LUMEN MULTIPLIER

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

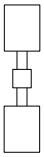
MOUNTING CONFIGURATIONS AND EPAS

Wall Mount

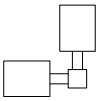


Arm Mount Single
EPA: 0.67

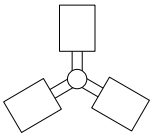
Arm Mount 2 @ 180°
EPA: 1.34



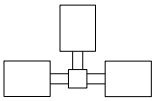
Arm Mount 2 @ 90°
EPA: 1.34



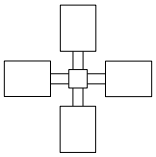
Arm Mount 3 @ 120°
EPA: 1.72



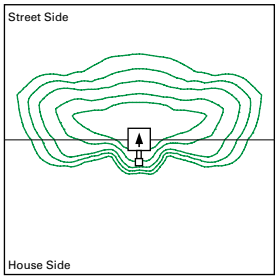
Arm Mount 3 @ 90°
EPA: 1.72



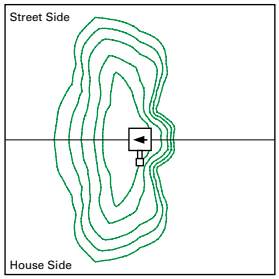
Arm Mount 4 @ 90°
EPA: 1.94



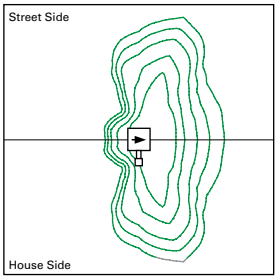
OPTIC ORIENTATION



Standard



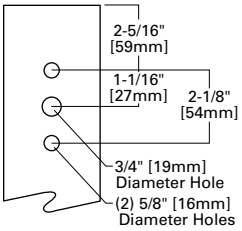
Optics Rotated Left @ 90° [L90]



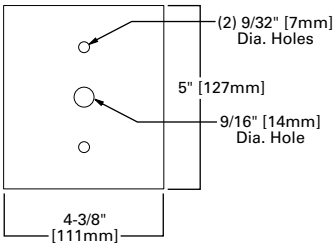
Optics Rotated Right @ 90° [R90]

DRILLING PATTERNS

TYPE "R"

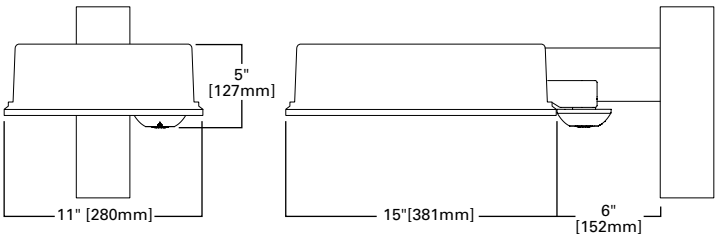


WALL MOUNT (WM)



OPTIONAL WIRELESS CONTROL

LUMAWATT SENSOR



ORDERING INFORMATION

Sample Number: LDRV-T2-E02-E-DP

Lamp Type	Series [1]	Distribution [2]	Number of LightBARs [3, 4]	Voltage
LD=Solid State Light Emitting Diodes	**RV**=Ridgeview	**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 **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide **5XQ**=Type V Square Extra Wide **RW**=Rectangular Wide **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right	**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	**E**=Universal (120-277V) **347**=347V [5] **480**=480V [5, 6]

Options (Add as Suffix)	**Color**	**Accessories** (Order Separately) [17]
HA=50°C High Ambient Temperature Rating [7] **WM**=Wall Mount Arm and Mounting Plate [8] **R90**=Optics Rotated Right 90° **L90**=Optics Rotated Left 90° **PC**=Button Type Photocontrol [9] **PER**=NEMA Twistlock Photocontrol Receptacle **2L**=Two Circuits [10] **7030**=70 CRI / 3000K CCT [11] **7050**=70 CRI / 5000K CCT [11] **7060**=70 CRI / 5700K CCT [11] **8030**=80 CRI / 3000K CCT [11] **LCF**=LightBAR Cover Plate Matches Housing Finish **BBLEDCLD**=UL924 Cold Battery Backup (Specify Voltage) [12] **MS-LXX**=Motion Sensor for ON/OFF Operation [13] **MS/X-LXX**=Motion Sensor for Bi-Level Switching [14] **LWR-LW**=Enlighted Wireless Sensor, Wide Lens for 8' - 16' Mounting Height [15] **LWR-LN**=Enlighted Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height [15] **DIM**=0-10V Dimming Driver **HSS**=Factory Installed House Side Shield [16]	**AP**=Grey **BZ**=Bronze (Standard) **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White	**MA1175-XX**=Single Tenon Adapter for 3-1/2" O.D. Tenon **MA1176-XX**=2@180° Tenon Adapter for 3-1/2" O.D. Tenon **MA1177-XX**=3@120° Tenon Adapter for 3-1/2" O.D. Tenon **MA1178-XX**=4@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1179-XX**=2@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1180-XX**=2@120° Tenon Adapter for 3-1/2" O.D. Tenon **MA1181-XX**=3@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1182-XX**=Single Tenon Adapter for 2-3/8" O.D. Tenon **MA1183-XX**=2@180° Tenon Adapter for 2-3/8" O.D. Tenon **MA1184-XX**=3@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1185-XX**=4@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1186-XX**=2@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1187-XX**=3@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1300-XX**=Wall Mount Plate (Type R Drill Pattern) **RV/WG**=Field Installed Wire Guard **MA1305-XX**=R to M Square Pole Adapter **MA1306-XX**=R to M Round Pole Adapter **MA1253**=10kV Circuit Module Replacement **OA/RA1013**=Photocontrol Shorting Cap **OA/RA1014**=NEMA Twistlock Photocontrol - 120V **OA/RA1016**=NEMA Twistlock Photocontrol - Multi-Tap **OA/RA1027**=NEMA Twistlock Photocontrol - 480V **OA/RA1201**=NEMA Twistlock Photocontrol - 347V **LB/HSS-21**=Field Installed House Side Shield for "E" LightBARs [16, 18] **LB/HSS-07**=Field Installed House Side Shield for "F" LightBARs [16, 18]

NOTES:

1. 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.
2. 6" Arm and round pole adapter included with fixture.
3. 21 LED LightBAR powered at 350mA, 7 LED LightBAR powered at 1A.
4. Lumen values based upon 4000K CCT, 350mA drive current, 25°C ambient operating temperature.
5. Not available with two circuit option.
6. 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).
7. HA not available with BLBLEDCLD options.
8. Wall mount arm and mounting plate included with fixture.
9. Specify voltage. Available in 120, 208, 240 or 277V. Not available with HA option.
10. Low-level output varies by bar count, consult factory. Not available with 347V or 480V.
11. Consult factory for lead time and lumen multiplier. Extended lead times apply.
12. Specify 120V or 277V. Available with E01 or F01 configurations only. 25°C ambient operating temperature.
13. 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.
14. 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 (must select a number of bars at least one less than the number of bars in the fixture to operate 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.
15. Enlighted wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1, and LWP-PoE8 in appropriate quantities. See www.cooperlighting.com for Enlighted application information.
16. Only for use with SL2, SL3 and SL4 distributions. Not available with L90 or R90 options.
17. Replace XX with color designation.
18. One required for each LightBAR. Not available with L90 or R90 options.