

# DESCRIPTION

The Galleon™ Wall LED luminaire's appearance is complementary with the Galleon area and site luminaire bringing a modern architectural style to lighting applications. Flexible mounting options accommodate wall surfaces in both an upward and downward configuration. The Galleon family of LED products deliver exceptional performance with patented, high-efficiency AccuLED Optics™, providing uniform and energy conscious lighting for parking lots, building and security lighting applications.

Catalog #	Туре
Project	
Comments	Date
Prepared by	

# SPECIFICATION FEATURES

#### Construction

Driver enclosure thermally isolated from optics for optimal thermal performance. Heavy wall aluminum housing die-cast with integral external heat sinks to provide superior structural rigidity and an IP66 rated housing. Overall construction passes a 1.5G vibration test to ensure mechanical integrity. UPLIGHTING: Specify with the UPL option for inverted mount uplight housing with additional protections to maintain IP rating.

#### Optics

Choice of thirteen patented, highefficiency AccuLED Optics. The
optics are precisely designed to
shape the distribution maximizing
efficiency and application spacing.
AccuLED Optics create consistent
distributions with the scalability
to meet customized application
requirements. Offered standard in
4000K (+/- 275K) CCT and minimum
70 CRI. Optional 3000K, 5000K
and 6000K CCT. Greater than 90%

lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 1200mA, 800mA, and 600mA drive currents.

#### Electrical

LED drivers are mounted for ease of maintenance. 120-277V 50/60Hz, 347V or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Drivers are provided standard with 0-10V dimming. An optional Eaton proprietary surge protection module is available and designed to withstand 10kV of transient line surge. The Galleon Wall LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Emergency egress options for -20°C ambient environments and occupancy sensor available.

#### Mounting

Gasketed and zinc plated rigid steel mounting attachment fits directly to 4" j-box or wall with the Galleon Wall "Hook-N-Lock" mechanism for quick installation. Secured with—two captive corrosion resistant black oxide coated allen head set screws which are concealed but accessible from bottom of fixture.

#### Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

#### Warranty

Five-year warranty.



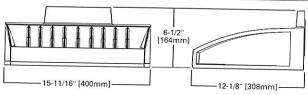
McGraw-Edison

# **GWC** GALLEON WALL

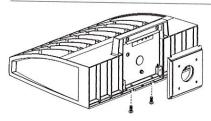
1-2 Light Squares
Solid State LED

WALL MOUNT LUMINAIRE





# HOOK-N-LOCK MOUNTING

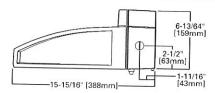


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# CERTIFICATION DATA

UL/cUL Listed LM79 / LM80 Compliant IP66 Housing ISO 9001 DesignLights Consortium® Qualified\*

# **ENERGY DATA**

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz,
480V/60Hz
-30°C Minimum Temperature
40°C Ambient Temperature Rating

SHIPPING DATA Approximate Net Weight: 27 lbs. (12.2 kgs.)



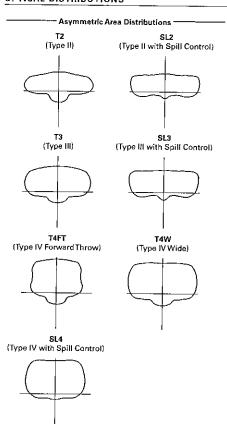
# POWER AND LUMENS

Number	of Light Squares								
Drive Cu	·	<del> </del>		1				2	
		600mA	800mA	1.0A	1.2A	600mA	800mA	1.0A	1.2A
	Power (Watts)	34	44	59	67	66	85	113	129
	rrent @ 120V (A)	0.30	0.39	0.51	0.58	0.58	0.77	1.02	1.16
1	rrent @ 208V (A)	0.17	0.22	0.29	0.33	0,34	0.44	0.56	0.63
	rrent @ 240V (A)	0.15	0.19	0.26	0.29	0.30	0.38	0.48	0.55
<del></del>	rrent @ 277V (A)	0.14	0.17	0.23	0.25	0.28	0.36	0.42	0.48
	rrent @ 347V (mA)	0.11	0.15	0.17	0.20	0.19	0.24	0.32	0.39
	rrent @ 480V (mA)	80.0	0.11	0.14	0.15	0.15	0.18	0.24	0.30
Optics	<del></del>								1
ĺ	4000K/5000K Lumens	4,110	5,040	6,238	6,843	8,031	9,849	12,190	13,373
T2	3000K Lumens	3,638	4,461	5,522	6,057	7,109	8,718	10,791	11,838
	BUG Rating	81-U0-G1	81-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
	4000K/5000K Lumens	4,189	5,138	6,359	6,975	8,187	10,039	12,425	13,630
тз	3000K Lumens	3,708	4,548	5,629	6,174	7,247	8,887	10,999	12,065
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
	4000K/5000K Lumens	4,214	5,167	6,395	7,016	8,233	10,097	12,497	13,709
T4FT	3000K Lumens	3,730	4,574	5,661	6,211	7,288	8,938	11,062	12,135
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3
	4000K/5000K Lumens	4,159	5,100	6,313	6,925	8,127	9,966	12,336	13,532
T4W	3000K Lumens	3,682	4,515	5,588	6,130	7,194	8,822	10,920	11,979
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	<del> </del>
	4000K/5000K Lumens	4,102	5,032	6,227	6,831	8,018	9,832	12,170	82-U0-G3
SL2	3000K Lumens	3,631	4,454	5,512	6,047	7.098	8,703	10,773	13,350
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	11,817
	4000K/5000K Lumens	4,188	5,137	6,358	6,974	8,186	10,038	12,424	B2-U0-G3
SL3	3000K Lumens	3,707	4,547	5,628	6,173	7,246	8,886	10,998	13,628
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	<del> </del> -	12,064
	4000K/5000K Lumens	3,980	4,880	6,040	6,626	7,776	9,537	B2-U0-G3	B2-U0-G3
SL4	3000K Lumens	3,523	4,320	5,347	5,865	6,883	8,442	11,803	12,949
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	10,448	11,462
	4000K/5000K Lumens	4,321	5,298	6,558	7,193	8,443	10,353	B1-U0-G3	B2-U0-G3
5NQ	3000K Lumens	3,825	4,690	5,805	6,367	7,474	9,164	12,814	14,057
	8UG Rating	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1		11,343	12,443
	4000K/5000K Lumens	4,400	5,396	6,678	7,326		B3-U0-G1	B3-U0-G2	B3-U0-G2
5MQ	3000K Lumens	3,895	4,777	5,911	6,485	8,598	10,544	13,050	14,315
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	7,611 B3-U0-G2	9,334	11,552	12,672
	4000K/5000K Lumens	4,412	5,410	6,695	<del></del> -		B4-U0-G2	B4-U0-G2	B4-U0-G2
5WQ	3000K Lumens	3,906	4,789	5,926	7,345	8,621	10,572	13,085	14,354
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G2	6,502	7,631	9,358	11,583	12,706
	4000K/5000K Lumens	3,681	4,515	5,588	B3-U0-G2	B3-U0-G2	84-U0-G2	B4-U0-G2	B4-U0-G2
SLL/SLR	3000K Lumens	3,258	3,997	4,946	6,129	7,193	8,821	10,917	11,976
	BUG Rating	81-U0-G1	B1-U0-G2		5,425	6,367	7,808	9,664	10,601
<del></del>	4000K/5000K Lumens	4,281		B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	81-U0-G3	82-U0-G3
₹W	3000K Lumens	3,790	5,250	6,498	7,129	8,366	10,259	12,698	13,930
	BUG Rating	3,790 B2-U0-G1	4,647	5,752	6,311	7,406	9,081	11,240	12,331
N = = ( = = 1.2	men data for 70 CRI. BUG		B2-U0-G1	83-U0-G1	B3-U0-G1	83-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2

<sup>\*</sup> Nominal lumen data for 70 CRI. BUG rating for 4000K/5000K. Refer to IES files for 3000K BUG ratings.



# **OPTICAL DISTRIBUTIONS**



Symmertric Distributions

5NQ (Type V Square Narrow) 5MQ (Type V Square Medium)





**5WΩ** (Type V Square Wide)



Specialized Distributions

RW SLL
(Rectangular Wide Type I) (90° Spill Light Eliminator Left)





SLR (90° Spill Light Eliminator Right)



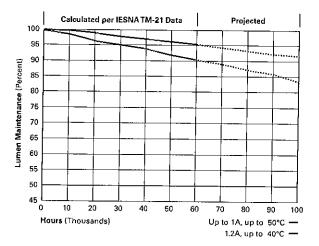


Eaton 1121 Highway 74 South Peachtree City, GA 30269 P: 770-485-4800 www.eaton.com/lighting

Specifications and dimensions subject to change without notice

#### **LUMEN MAINTENANCE**

	Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
١	Up to 1A	Up to 50°C	> 95%	> 416,000
	1.2A	Up to 40°C	> 90%	> 205,000



# LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
o°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

#### CONTROL OPTIONS

#### 0-10V (DIM)

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

#### Photocontrol (P, R and PER7)

Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

#### After Hours Dim (AHD)

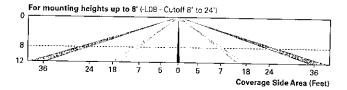
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

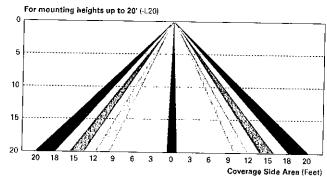
# Dimming Occupancy Sensor (MS/DIM-LXX, MS/X-LXX and MS-LXX)

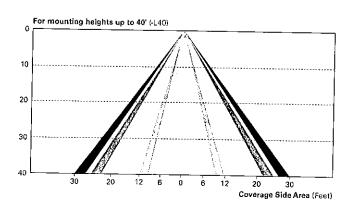
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

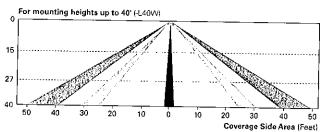
These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters.

A variety of sensor lens are available to optimize the coverage pattern for mounting heights from 8'-40'.





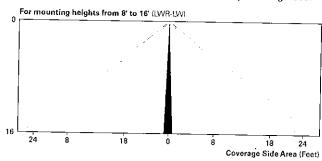


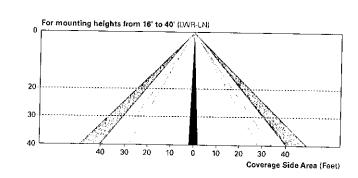


# LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)

The LumaWatt Pro system is a peer-to-peer wireless network of luminaire-integral sensors for any sized project. Each sensor is capable of motion and photo sensing, metering power consumption and wireless communication. The end-user can securely create and manage sensor profiles with browser-based management software. The software will automatically broadcast to the sensors via wireless gateways for zone-based and individual luminaire control. The LumaWatt Pro software provides smart building solutions by utilizing the sensor to provide easy-to-use dashboard and analytic capabilities such as improved energy savings, traffic flow analysis, building management software integration and more.

For additional details, refer to the LumaWatt Pro product guides.







Eaton 1121 Highway 74 South Peachtree City, GA 30269 P: 770-486-4900 www.eaton.com/lighting

Specifications and dimensions subject to change without notice

# ORDERING INFORMATION

Sample Number: GWC-AF-02-LED-E1-T3-GM

Product Family 1	Light Engine	Number of Light Squares <sup>2</sup>	Lamp Type	Voltage	Distribution	Color	Mounting Options
GWC=Galleon Wall	AF=1A Drive Current	01=1 02=2 3	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V 4 480=480V 4.5	T2=Type II T3=Type III T4FT=Type IV Forward Throw T4W=Type IV Wide S12=Type II w/Spill Control S13=Type II w/Spill Control S14=Type IV w/Spill Control S14=Type IV w/Spill Control S1L=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I SNQ=Type V Square Medium 5WQ=Type V Square Medium 5WQ=Type V Square Wide	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White CC=Custom Color®	[BLANK]=Surface Mour
Options (Add as S 7030=70 CRI / 3000					Accessories (Order Separately)		
FF=Double Fused ( DIM=0-10V Dimmir DAUI=DALI Driver ' DAUI=DALI Driver ' JPL=Uplight Housi BBB=Battery Pack ' SWB=Cold Weathe BEBUtton Type Pho BENEMA Twistlock ER7=NEMA 7-PIN AHD145=After Hou	K. 7 Factory Set to 6 Factory Set to 6 Factory Set to 8 I Factory Set to 9 I Set	300mA  1200mA  Must Specify Volta  Must Specify Vo  8.8.14  Vith Back Box 3.8.9.3  208, 240 or 277V. M  eceptacle  scontrol Receptacle  15  16  16  17  18  19  19  19  10  10  10  10  11  11  10  11  10  11  11  11  11  11  12  13  14  15  15  16  17  17  18  19  19  19  19  19  10  10  10  10  10	tage)  dust Specify Voltage) e <sup>15</sup> 17. 18, 19 17 - 16' Mounting Height r 16' - 40' Mounting Hei	; 18, 20, 21 ght 19, 20, 21	OA/RA1018=Photocontrol Shorting C. OA/RA1016=NEMA Photocontrol - Mt OA/RA1201=NEMA Photocontrol - 34: OA/RA1027=NEMA Photocontrol - 48: MA1252=10kV Circuit Module Replace MA1059XX=Thru-branch Back Box (M FSIR-100=Wireless Configuration Tool LS/HSS=Field Installed House Side Sh	Jti-Tap 105-285V IV IV IV Ment ust Specify Color) I for Occupancy Senso	, v
we light squares with sequence the use of a stringly for use with 480V light leg Delta and Thriftigh Leg Delta and Thriftigh Leg Delta and Thriftigh Leg Delta and Thriftigh Leg Delta with 140 annot be used with all own voltage control leg Delta with 140 and 140	BBB or CWB option ep down transform ep down transform we systems. Per N ee Phase Corner Gr able. Setup charge ply. Use dedicated ption. er control options. ad brought out 18" or CWB is single if 0, UPL, BBB and CW SL3, SL4, HA, BBB square only. Cold v ard 3-PIN photocontrol or the tion lool is require. viailable mounting sensor.	is limited to 25°C, 120 ier. Not available in co exc. Not available in co exc. Not available in co sapply. Paint chip san IES files when perform testing the sapply. Paint chip san ES files when perform with the same testing testing the same testing testing testing the same testing the same test	mbination with sensor apti- ingrounded systems, (mpec s), ples required. Extended Le sing layouts. available for single light sq or single light squere only. ions, es -20°C to -40°C, standard NSI controls. of receptacle with photocon including high and low mo including high and low mo 0, 140°C t.40°C act the only	ons at 1200mA, fance grounded system of times apply.  Luare only, Limited of the total of the total accessory, See ides, sensitivity, tiny choices.	stams or corner grounded systems (commonly to 1A and below.	cional information. g representative at Eaton fo	



# DESCRIPTION

The TopTier™ parking garage, canopy and low-bay luminaire is an innovative solution that delivers an unparalleled combination of performance and visual comfort. The patented WaveStream™ optical technology blocks the line of sight from the LED light sources to the observer, while extracting the maximum amount of light on task. This approach results in a high level of uniformity and vertical footcandles that enhances safety in the application environment. The TopTier luminaire is UL/cUL listed for wet locations, IP66 and 3G vibration rated.

Catalog #	Туре
Project	
Comments	Date
Prepared by	

# SPECIFICATION FEATURES

#### Construction

One-piece, low copper die-cast aluminum housing provides a clean and symmetric housing. Formed aluminum top is sloped to prevent bird nesting. Metal electrical tray allows for easy electrical access for field servicing.

# Optics

Unique optical distributions are accomplished using various combinations of reflective backing plates and WaveStream optical technology. The optical Waveguide is manufactured using precision injection molded acrylic. The optics contain features that form a repeatable and redundant pattern to direct light in a precisely prescribed distribution. The drive lane distribution is specifically designed for locations with one direction of travel to optimally direct light in the same direction of travel for maximum glare control. For additional glare control and visual comfort with the Wide distribution, specify the SG option which adds a Solite® glass lens that works in combination with the Waveguide lens and reflective backing plate.

Offered standard in 4000K (+/275K) CCT, optional 3000K, 5000K
and 6000K. Minimum 70 CRI.
Optional uplight feature provides
a dedicated light engine (17W) to
maintain consistent output across
fixtures and reduces cave effect.
Nominal uplight output is 800
lumens and ranges from 10%-30%
total light output depending on the
lumen package.

#### Electrical

LED driver(s) are mounted to metal electrical tray for optimal thermal performance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming driver(s), specify 5LTD for Fifth Light DALI driver(s). Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. Greater than 90% lumen maintenance expected at 60,000 hours, based off LM-80 test data and TM-21. Suitable for ambient temperature applications from -40°C (-40°F) to 40°C (104°F). For 50°C (122°F) applications, specify the HA high ambient option. IP66 rated against the ingress of dust and water.

#### Mounting

Standard fixture mounts to a square or octagonal 4" surface or recessed j-box via heavy-gauge quick mount bracket. Optional mounting methods include trunnion mount and wall mount. With the addition of a field supplied wet location j-box, the luminaire can be pendant mounted using the factory supplied decorative pendant mount kit or a suitable field supplied pendant.

#### Finish

Housing finished in white super durable TGIC polyester powder coat paint with 2.5 mil nominal thickness for superior protection against fade and wear. Optional colors include black, bronze, grey, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

# Warranty

Five-year warranty.



McGraw-Edison

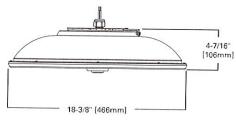
# TT TOPTIER LED

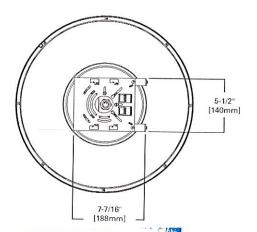
Solid State LED

PARKING GARAGE/ CANOPY/ LOW-BAY LUMINAIRE

#### **DIMENSIONS**

SURFACE OR PENDANT MOUNT





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\*www.designlights.org





# CERTIFICATION DATA

UL/cUL Wet Location Listed 3G Vibration Rated LM79 / LM80 Compliant IP66 Rated ISO 9001 DesignLights Consortium™ Qualified\*

#### ENERGY DATA Electronic LED Driver

>0.9 Power Factor <20% Total Harmonic Distortion 120-277V/50 & 60Hz, 347V/60Hz, 480V/60Hz -40°C Min. Temperature 40°C Max. Temperature

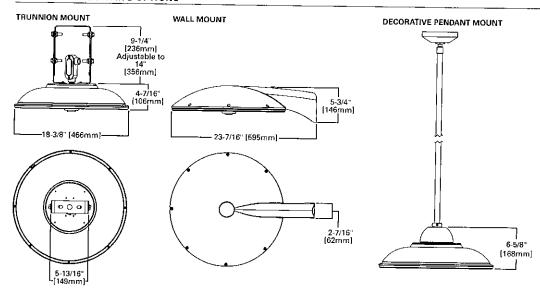
50°C Max. Temperature (HA Option)
SHIPPING DATA

Approximate Net Weight: 16 lbs. (7.2 kgs.)

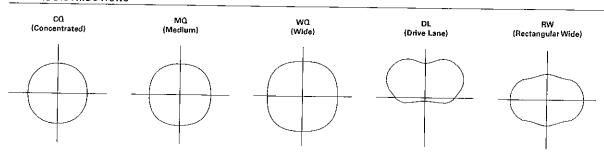


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# OPTICAL DISTRIBUTIONS



# LUMEN MAINTENANCE

Ambient	Lumen Maintenance								
Temperature	25,000 Hours	50,000 Hours	60,000 Hours TM-21 Rating	100,000 Hours	Theoretical L70 (Hours Per TM-21 Data				
		C1 Lume	π Package						
25°C	> 96%	> 95%	> 95%	> 93%	> 500,000				
40°C	> 96%	> 94%	> 94%	> 93%	> 500,000				
50°C	> 95%	> 94%	> 93%	> 93%	> 400,000				
<u> </u>		C2 Lume	n Package						
25°C	> 96%	> 95%	> 95%	> 93%	> 500,000				
40°C	> 95%	> 94%	> 93%	> 91%	> 500,000				
50°C	> 95%	> 93%	> 92%	> 90%	> 400,000				
<del></del>		C3 Lumer	ı Package						
25°C	> 96%	> 93%	> 93%	> 89%	> 300,000				
40°C	> 95%	> 91%	> 90%	> 85%	> 240,000				
50°C	> 95%	> 90%	> 89%	> 83%	> 200,000				
		C4 Lumer	Package						
25°C	> 96%	> 95%	> 95%	> 93%	> 500,000				
40°C	> 95%	> 92%	> 92%	> 88%	> 300,000				
50°C	> 94%	> 91%	> 90%	> 85%	> 250,000				
		C5 Lumen	Package		7 200,000				
25°C	> 96%	> 93%	> 92%	> 88%	> 300,000				
40°C	> 94%	> 90%	> 89%	> 83%	> 200,000				
		C6 Lumen	Package		> 200,000				
25°C	> 95%	> 92%	> 90%	> 86%	> 250,000				
40°C	> 95%	> 92%	> 91%	> 86%	> 250,000				

Lumen Package			C1	C2	С3	C4		C.C.
Power (Wattage)			28	34	45	58	77	C6
Current @ 120V			0.26	0.31	0.41	0.52	0.69	108
Current @ 277V (A)			0.13	0.14	0.19	0.52	0.69	0.95
Lumens			3,293	3,997	5,256	5,486	7,107	0.41
	Lumens per Watt	ca	118	118	117	95	92	9,084
	BUG Rating	Concentrated	B1-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	82-U0-G1	84
	Lumens	-	3,357	4,074	5,357	5,591	7,243	B3-U0-G1
	Lumens per Watt	MQ Medium	120	120	119	<del> </del>	<del> </del>	9,259
	8UG Rating	-	B2-U0-G1	B2-U0-G1	B2-U0-G2	96 B2-U0-G2	94	86
	Lumens		3,101	3,764	4,949		B3-U0-G2	B3-U0-G2
3000K CCT	Lumens per Watt	   WQ Wide	111	111	110	5,165	6,691	8,554
	BUG Rating	-	B2-U0-G1	B2-U0-G2	B3-U0-G2	89	87	79
	Lumens	<del>                                     </del>	2,728	3,308	<del>                                      </del>	B3-U0-G2	83-U0-G2	B3-U0-G3
	Lumens per Watt	RW Rectangular	97		4,350	4,540	5,882	7,519
	BUG Rating	Wide	B2-U0-G1	97 B2-U0-G2	97	78	76	70
	Lumens	<del> </del>	2,440	<del></del>	B3-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3
	Lumens per Watt	DL Drive Lane /	73	2,938	4,152			
	BUG Rating	Түре 4	B1-U0-G2	71	62			•
·	Lumens	<del>                                     </del>	<del></del>	B1-U0-G2	B2-U0-G3			
	Lumens per Watt	CQ Concentrated	3,848	4,670	6,141	7,273	9,423	12,046
	BUG Rating		137	137	136	126	123	111
	Lumens	MQ Medium	82-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G2
			3,922	4,760	6,259	7,413	9,604	12,277
	Lumens per Watt		140	140	139	128	125	114
	BUG Rating		82-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3
4000K CCT	Lumens	WQ Wide	3,623	4,397	5,782	6,848	8,872	11,342
4000K CC1	Lumens per Watt		129	129	128	118	115	105
	BUG Rating		B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B4-U0-G3
	Lumens	RW _	3,185	3,865	5,082	6,019	7,799	9,969
	Lumens per Watt	Rectangular Wide	114	114	113	104	101	92
	BUG Rating		B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	83-U0-G3
	Lumens	DL Drive Lane / Type 4	3,235	3,895	5,506			
	Lumens per Watt		98	95	83			<del></del> -
	BUG Rating		B1-U0-G2	B1-U0-G2	B2-U0-G3			
	Lumens	ca i	3,645	4,424	5,817	7,204	9,334	11,932
	Lumens per Watt	Concentrated	130	130	130	124	121	110
ļ	BUG Rating		81-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G2
	Lumens		3,716	4,509	5,929	7,343	9,513	12,161
5000K CCT	Lumens per Watt	MQ Medium	133	133	132	127	124	113
	8UG Rating		B2-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G2	83-U0-G3	B3-U0-G3
	Lumens	] }	3,433	4,166	5,478	6,783	8,788	11,235
	Lumens per Watt	WQ Wide	123	123	122	117	114	104
	BUG Rating		B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3
	Lumens	Rw	3,017	3,662	4,815	5,962	7,725	9,875
	Lumens per Watt	Rectangular Wide	108	108	107	103	100	91
	BUG Rating	AAIGG	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3
	Lumens		3,205	3,858	5,454			
	Lumens per Watt	DL Drive Lane / Type 4	96	93	82			
	BUG Rating		B1-U0-G2	B1-U0-G2	B2-U0-G3			

NOTE: Nominal data with 70 CRI for 4000K and 5000K, 80 CRI for 3000K. Wattage values not valid for drive lane optic. For configurations that include the drive lane optic, glass, uplight or occupancy sensor options refer to the specific IES files for wattage, BUG rating and lumen output data.



#### 0-10V

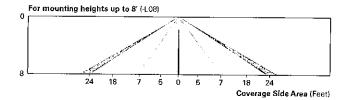
This fixture is offered standard with 0-10V dimming driver(s). External 0-10V dimming wire leads are provided for use with a lighting control panel or other control methods except when PER7, 5LTD, MS/DIM or LWR is specified.

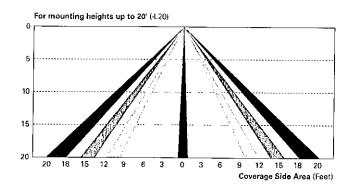
# **Dimming Occupancy Sensor (MS/DIM-LXX)**

These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes.

These occupancy sensors include an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting. The factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters.

A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 8'-40'.

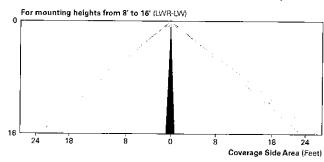


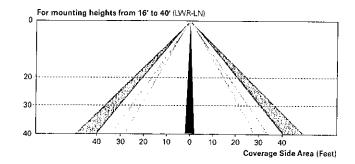


# LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)

The LumaWatt Pro system is a peer-to-peer wireless network of luminaire-integral sensors for any sized project. Each sensor is capable of motion and photo sensing, metering power consumption and wireless communication. The end-user can securely create and manage sensor profiles with browser-based management software. The software will automatically broadcast to the sensors via wireless gateways for zone-based and individual luminaire control. The LumaWatt Pro software provides smart building solutions by utilizing the sensor to provide easy-to-use dashboard and analytic capabilities such as improved energy savings, traffic flow analysis, building management software integration and more.

For additional details, refer to the LumaWatt Pro product guides.





# ORDERING INFORMATION

# Sample Number: TT-C2-LED-E1-WQ-AP

Product Family	Lumen Package	Lamp Type	Voltage	Distribution	Mounting	Color
TT=TopTier <sup>1</sup>	C1=Nominal 3,500 Lumens C2=Nominal 4,500 Lumens C3=Nominal 6,000 Lumens C4=Nominal 7,500 Lumens C5=Nominal 9,500 Lumens C6=Nominal 12,000 Lumens	LED=Solid State Light Emitting Diodes	E1=Electrical (120-277V) 347=347V 480=480V <sup>2</sup>	CQ=Concentrated MQ=Medium WQ=Wide RW=Rectangular Wide DL=Drive Lane / Type 4 3	[BLANK]=Surface or Pendant Mount TMB=Trunnion Mount with Connection Box WM=Wall Mount DPM=Decorative Pendant Mount *	(BLANK)=White AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic
Options (Add as	Suffix)			Accessories (Order:	Senarately)	
MS/DIM-L08=Dim MS/DIM-L20=Dim .WR-LW=LumaWa	ds <sup>2</sup> ds <sup>2</sup> nbient <sup>8</sup> u tant Hardware rotection Onfy DALI Drivers <sup>2,11</sup>	Mounting) 13.14 2 - 16' Mounting Height !	4, 15	MA1252= Replacem TT/WG=Wire Guard TT/BG-XX=Bird Gua DPMS36-XX=36" Pei DPMS48-XX=48" Pei DPMS96-XX=96" Pei	rd <sup>18,17</sup> ndant Mount Stem <sup>16</sup> ndant Mount Stem <sup>18</sup>	
High Leg Delta and Ti CI1-C3 lumen packey Order stem kit access Extended lead times. Additional 17W. Provi Not available with TM 1A not available with CO Standard with CO, o Replace E1 with spec Replace E1 with spec The FSIR-100 configu Includes integral ohe	is only. soply. des 800 nominal lumens. Available in 3 apply. des 800 nominal lumens. Available in 3 B or DPM mounting. C6 and C8 lumen packages or 5LTD, IB . ption available with WQ only. ilide vollage (120, 208, 240, 277V available). iride voltage (120% and 277V available). iration tool is required to adjust param	tems).  8000K and 4000K with the C1. P and ICP options.  9000 Not available with C6 lun  90°C minimum with IBP, -20°C eters including high and low	-C4 lumen packages at men package, HA, IBP, minimum with ICP, 25 modes, sensitivity, tin	t a 25°C maximum ambient t a 25°C maximum ambient ICP or sensor options, Mult ''C maximum ambient temp ne delay, cutoff and more. C	ystems (commonly known as Three Phase Thre temperature. Not available with 347, 480, TMB, iply published IES file by .95 when used with th therature. Not available with WM, DPM, 5LTO or consult your lighting representative at Eaton for ing for LumaWatt application information.	WM. HA, SLTD, IBP or ICP.

