Order Plans @ WWW.LDLine.com

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McGraw-Edison

GLEON GALLEON LED

5-90 Light Squares
Solid State LED

GALLEON SERIES

DESCRIPTION

The Galleon LED is a cost-effective, energy efficient, and long term reliable solution for general area lighting applications. Utilizing the latest LED technology, the Galleon LED offers a high efficacy, precision optical system, and rugged, corrosion resistant housing. Ideal for commercial, industrial, institutional, and residential applications, the Galleon LED is an excellent choice for replacing up to 1000W HID luminaires.

SPECIFICATION FEATURES

Construction
Extruded aluminum housing and heatsink fabricated from low copper content aluminum alloy. Die-cast aluminum end caps with integral mounting provisions. Housing and end caps are finished with a durable, polyester powder coat paint for superior corrosion resistance. Housing and end caps are sealed with a one piece, molded silicone gasket to form a weatherproof seal between housing and end caps. Housing and end caps are secured with captive, stainless steel hardware.

Electrical
Galleon luminaires are available in a wide range of voltages and drive currents to provide flexibility for various lighting applications. Galleon luminaires are rated for -40°C minimum ambient temperature. Galleon luminaires are designed for a minimum 100,000 hours to L70 lumen life at 25°C (77°F) ambient temperature when operated at 530mA drive current. Galleon luminaires are rated for 10kV surge protection standard.

Optics
Galleon luminaires are available in a variety of optical distributions to accommodate various lighting applications and mounting configurations. Optical systems are comprised of high efficiency, high transmission, UV stable, precision acrylic refractive optics. Optical systems are sealed against the luminaire housing to prevent ingress of moisture and insects.

Mounting
Galleon luminaires are designed for universal mounting versatility. Standard mounting is via (4) 0.5" diameter holes in the heatsink for direct surface mounting. Optional accessories include a variety of pole and wall mounting brackets for ease of installation.

Controls
Galleon luminaires are available with a number of control options to meet various lighting requirements. Photocontrol receptacle is available for use with an ANSI C136.41 compliant photocontrol. Galleon luminaires are also available with an integral 0-10V dimming driver for use with an external control device.

Finish
Galleon luminaires are finished with a durable, polyester powder coat paint for superior corrosion resistance and weathering. Standard color is bronze. Consult factory for other available colors.

Warranty
5 year limited warranty. Complete warranty terms located at www.cooperlighting.com/terms

ORDERING INFORMATION

Product Family *	Light Engine	Voltage	Color Temperature	Distribution	Mounting	Control Options	Other Options
GLEON (Galleon LED)	5C (5 LEDs)	1 120V 2 208V 3 240V 4 277V 5 347V 6 480V 7 MVOLT 8 120-277V	530 (530mA)	4 (4 LED) Type 2 Medium 5 (5 LED) Type 2 Medium	Blank Square Pole Mounting RPA Round Pole Adapter WBA Wall Bracket Adapter SPA Square Pole Mounting RPUMA Round Pole Universal Mounting Adapter SPUMA Square Pole Universal Mounting Adapter	PE Photocell, Button Type DMG 0-10V Dimming Driver DS Dual Switching PER NEMA twist-lock receptacle only (no photocell) PIR Motion/Ambient Sensor, 8' Mounting Height, Ambient Sensor ON/OFF PIR1FC3V Motion/Ambient Sensor, 15' Mounting Height, Ambient Sensor ON/OFF PIRH Motion/Ambient Sensor, 15-30' Mounting Height, Ambient Sensor ON/OFF PIRH1FC3V Motion/Ambient Sensor, 15-30' Mounting Height, Ambient Sensor ON/OFF	Blank No Other Options SF Single Fuse (120, 277, 347V) DF Double Fuse (208, 240, 480V) HA 50°C Ambient Operation WH White Finish DDBXD Dark Bronze Finish BLBXD Black Finish

Example: GLEON-5C-530-4-5-MVOLT-SPA-DDBXD

ACCESSORIES

Ordered and shipped separately.
DLL127F 1.5 JU Photocell - ANSI C136.41 12-pin locking type
DSHORT SBK U Shorting Cap

LUMEN MAINTENANCE

Ambient Temperature	Initial Delivered Lumens	Maintained Lumens @ 25,000 hours*	Maintained Lumens @ 50,000 hours*
25°C	1.0	0.96	0.92
40°C	0.98	0.94	0.90
50°C	0.96	0.92	0.88

*Projected values based on 25°C (77°F) testing per IESNA LM-80-08 and projected per IESNA TM-21-11.

NORMAL POWER AND LUMENS (15)

Number of Light Squares	1	2	3	4	5	6	7	8	9	10
Drive Current	530mA	530mA	530mA	530mA	530mA	530mA	530mA	530mA	530mA	530mA
Nominal Power (120V)	15	29	44	58	73	87	102	116	131	145
Input Current @ 120V (A)	0.13	0.25	0.37	0.49	0.61	0.73	0.85	0.97	1.09	1.21
Input Current @ 208V (A)	0.07	0.14	0.21	0.28	0.35	0.42	0.49	0.56	0.63	0.70
Input Current @ 240V (A)	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.48	0.54	0.60
Input Current @ 277V (A)	0.05	0.10	0.16	0.21	0.26	0.31	0.36	0.42	0.47	0.52
Input Current @ 347V (A)	0.04	0.08	0.13	0.17	0.21	0.25	0.29	0.33	0.38	0.42
Input Current @ 480V (A)	0.03	0.06	0.09	0.12	0.15	0.18	0.21	0.24	0.27	0.30
Type 2 Medium										
3000K (70 CRI)	1,500	3,000	4,500	6,000	7,500	9,000	10,500	12,000	13,500	15,000
4000K (70 CRI)	1,650	3,300	4,950	6,600	8,250	9,900	11,550	13,200	14,850	16,500
5000K (70 CRI)	1,650	3,300	4,950	6,600	8,250	9,900	11,550	13,200	14,850	16,500
5000K (80 CRI)	1,500	3,000	4,500	6,000	7,500	9,000	10,500	12,000	13,500	15,000
5000K (90 CRI)	1,200	2,400	3,600	4,800	6,000	7,200	8,400	9,600	10,800	12,000
5700K (70 CRI)	1,650	3,300	4,950	6,600	8,250	9,900	11,550	13,200	14,850	16,500
AMBER	1,650	3,300	4,950	6,600	8,250	9,900	11,550	13,200	14,850	16,500
Type 3 Medium										
3000K (70 CRI)	1,650	3,300	4,950	6,600	8,250	9,900	11,550	13,200	14,850	16,500
4000K (70 CRI)	1,800	3,600	5,400	7,200	9,000	10,800	12,600	14,400	16,200	18,000
5000K (70 CRI)	1,800	3,600	5,400	7,200	9,000	10,800	12,600	14,400	16,200	18,000
5000K (80 CRI)	1,650	3,300	4,950	6,600	8,250	9,900	11,550	13,200	14,850	16,500
5000K (90 CRI)	1,350	2,700	4,050	5,400	6,750	8,100	9,450	10,800	12,150	13,500
5700K (70 CRI)	1,800	3,600	5,400	7,200	9,000	10,800	12,600	14,400	16,200	18,000
AMBER	1,800	3,600	5,400	7,200	9,000	10,800	12,600	14,400	16,200	18,000
Type 4 Medium										
3000K (70 CRI)	1,650	3,300	4,950	6,600	8,250	9,900	11,550	13,200	14,850	16,500
4000K (70 CRI)	1,800	3,600	5,400	7,200	9,000	10,800	12,600	14,400	16,200	18,000
5000K (70 CRI)	1,800	3,600	5,400	7,200	9,000	10,800	12,600	14,400	16,200	18,000
5000K (80 CRI)	1,650	3,300	4,950	6,600	8,250	9,900	11,550	13,200	14,850	16,500
5000K (90 CRI)	1,350	2,700	4,050	5,400	6,750	8,100	9,450	10,800	12,150	13,500
5700K (70 CRI)	1,800	3,600	5,400	7,200	9,000	10,800	12,600	14,400	16,200	18,000
AMBER	1,800	3,600	5,400	7,200	9,000	10,800	12,600	14,400	16,200	18,000
Type 5 Medium										
3000K (70 CRI)	1,650	3,300	4,950	6,600	8,250	9,900	11,550	13,200	14,850	16,500
4000K (70 CRI)	1,800	3,600	5,400	7,200	9,000	10,800	12,600	14,400	16,200	18,000
5000K (70 CRI)	1,800	3,600	5,400	7,200	9,000	10,800	12,600	14,400	16,200	18,000
5000K (80 CRI)	1,650	3,300	4,950	6,600	8,250	9,900	11,550	13,200	14,850	16,500
5000K (90 CRI)	1,350	2,700	4,050	5,400	6,750	8,100	9,450	10,800	12,150	13,500
5700K (70 CRI)	1,800	3,600	5,400	7,200	9,000	10,800	12,600	14,400	16,200	18,000
AMBER	1,800	3,600	5,400	7,200	9,000	10,800	12,600	14,400	16,200	18,000
Type 7 Medium										
3000K (70 CRI)	1,650	3,300	4,950	6,600	8,250	9,900	11,550	13,200	14,850	16,500
4000K (70 CRI)	1,800	3,600	5,400	7,200	9,000	10,800	12,600	14,400	16,200	18,000
5000K (70 CRI)	1,800	3,600	5,400	7,200	9,000	10,800	12,600	14,400	16,200	18,000
5000K (80 CRI)	1,650	3,300	4,950	6,600	8,250	9,900	11,550	13,200	14,850	16,500
5000K (90 CRI)	1,350	2,700	4,050	5,400	6,750	8,100	9,450	10,800	12,150	13,500
5700K (70 CRI)	1,800	3,600	5,400	7,200	9,000	10,800	12,600	14,400	16,200	18,000
AMBER	1,800	3,600	5,400	7,200	9,000	10,800	12,600	14,400	16,200	18,000

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.04
10°C	1.02
25°C	1.00
40°C	0.98
50°C	0.96

LUMEN MAINTENANCE

Ambient Temperature	Initial Delivered Lumens	Maintained Lumens @ 25,000 hours*	Maintained Lumens @ 50,000 hours*
25°C	1.0	0.96	0.92
40°C	0.98	0.94	0.90
50°C	0.96	0.92	0.88

*Projected values based on 25°C (77°F) testing per IESNA LM-80-08 and projected per IESNA TM-21-11.

Steel Poles

RTS ROUND TAPERED STEEL

FEATURES
- ASTM Grade steel base plate with ASTM A36 base cover
- Tapped hole centered 3" x 3" at TOS below
- 25" EF mounting height
- Certified to tenon specified

ORDERING INFORMATION

DIMENSIONS

Effective Projected Area (Sq. Ft. per Unit of Quantity)

Nominal Tenon Size	A	B	C	D	E	F	G	H	J	K
2"	4.5"	4.5"	4.5"	4.5"	4.5"	4.5"	4.5"	4.5"	4.5"	4.5"
3"	5.5"	5.5"	5.5"	5.5"	5.5"	5.5"	5.5"	5.5"	5.5"	5.5"
4"	6.5"	6.5"	6.5"	6.5"	6.5"	6.5"	6.5"	6.5"	6.5"	6.5"

Effective Projected Area (Sq. Ft. per Unit of Quantity)

Nominal Tenon Size	A	B	C	D	E	F	G	H	J	K
2"	4.5"	4.5"	4.5"	4.5"	4.5"	4.5"	4.5"	4.5"	4.5"	4.5"
3"	5.5"	5.5"	5.5"	5.5"	5.5"	5.5"	5.5"	5.5"	5.5"	5.5"
4"	6.5"	6.5"	6.5"	6.5"	6.5"	6.5"	6.5"	6.5"	6.5"	6.5"

Lumark

PRV PREVAIL

DESCRIPTION

The Prevail LED area site luminaire combines optical performance, energy efficiency and long term reliability in an economical, current pending cooper configuration. Utilizing the latest LED technology, the Prevail LED offers a high efficacy, precision optical system, and rugged, corrosion resistant housing. Ideal for commercial, industrial, institutional, and residential applications, the Prevail LED is an excellent choice for replacing up to 1000W HID luminaires.

SPECIFICATION FEATURES

Construction
Construction is comprised of a heavy duty, single piece die-cast aluminum housing. Housing is protected with five coating system and is powder painted for superior corrosion protection and long life. Die-cast aluminum door is hinged for ease of entry and is gasketed with a one piece, molded silicone gasket to form a weatherproof seal. This option is mounted on a universal, square or round pole mounting bracket. Mounting accessories for wall, pendant, and arm mounting are also available.

Electrical
LED drivers are mounted to the fixture for optimal heat sinking and long life. Standard drivers are 0-10V dimming and capable of being dimmed down to 10% of light output. Three distribution types (Type II, Type III, Type IV) are available to meet various site requirements. Electrical components are designed to withstand 6kV surge and 6kV/3kA combination wave transients per ANSI C136.2, exceeding the requirements for most locations. Fixtures are rated for -40°C to 40°C (-40°F to 104°F) ambient temperatures. Power factor is >90%. Total harmonic distortion is <20% at full power.

Optics
Prevail LED luminaires are available in a variety of distributions to accommodate various mounting configurations and lighting applications. Precision-formulated, high-performance optical grade acrylic lenses provide superior control of light output. Each luminaire is IDA compliant and is rated a full cutoff luminaire.

Mounting
Prevail LED luminaires are designed for universal mounting versatility. Standard mounting is via (4) 0.5" diameter holes in the heatsink for direct surface mounting. Optional accessories include a variety of pole and wall mounting brackets for ease of installation.

Controls
The Prevail LED luminaire is available with a number of control options to meet various lighting requirements. Photocontrol receptacle is available for use with an ANSI C136.41 compliant photocontrol. The dual switching option is available for use with two independent circuits. Each circuit switches a different percentage of the luminaire's total light output. Motion/ambient sensor is available for ambient temperatures from -40°C to 40°C (-40°F to 104°F). Sensor is factory set to 30 foot mounting height with a 360° detection pattern. Sensor is suitable for mounting heights between 8' and 30'. Sensor is capable of detecting motion at speeds between 3 and 25 mph. Sensor will dim luminaire to 50% of light output after 5 minutes of no detection. Sensor will return luminaire to 100% light output when motion is detected within the detection pattern. Sensor is rated for -40°C to 40°C (-40°F to 104°F) ambient temperatures. Sensor is suitable for mounting heights between 8' and 15'. Sensor is capable of detecting motion at speeds between 3 and 25 mph. Sensor will dim luminaire to 50% of light output after 5 minutes of no detection. Sensor will return luminaire to 100% light output when motion is detected within the detection pattern. Sensor is rated for -40°C to 40°C (-40°F to 104°F) ambient temperatures. Sensor is suitable for mounting heights between 15' and 30'. Sensor is capable of detecting motion at speeds between 15