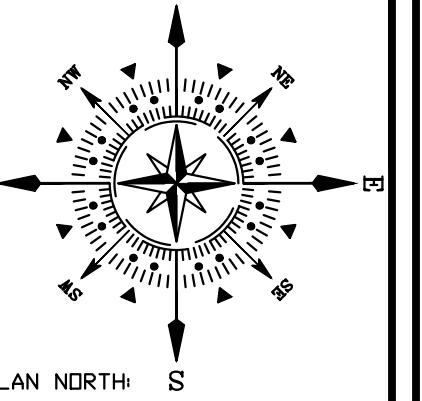


GENERAL PHOTOMETRY NOTES

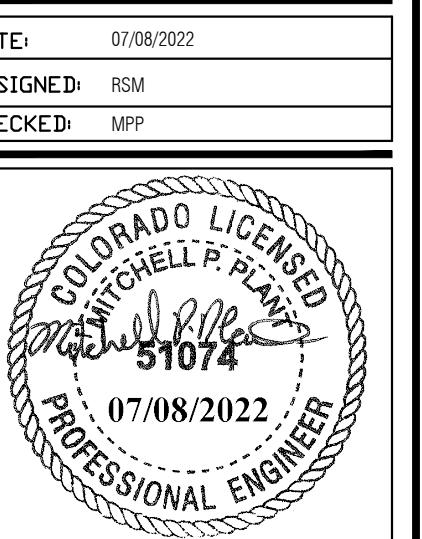
- A. THESE PHOTOMETRIC CALCULATIONS ARE BASED ON MANUFACTURER'S IES FILES AND 0.92 LIGHT DEPRECIATION FACTOR.
- B. ACTUAL ILLUMINANCE LEVELS MAY DIFFER FROM THE FOOTCANDLE LEVELS SHOWN DUE TO VARIABLE FIELD CONDITIONS, SUCH AS NEARBY EXISTING LUMINAIRES, LUMINAIRE DIRT DEPRECIATION, LANDSCAPING, AND FUTURE DEVELOPMENTS.
- C. THIS PLAN IS BASED ON THE INFORMATION AVAILABLE. THE LUMINAIRE LOCATIONS SHOWN MUST BE COORDINATED WITH EXISTING OR FUTURE FIELD CONDITIONS.
- D. ALL LUMINAires SHALL BE ON FROM DUSK TO DAWN.

Provide information box with:

Owner name, telephone number and email address



PROJECT NAME: VOLLMER ROAD RV AND BOAT STORAGE
PROJECT ADDRESS: 8765 VOLLMER ROAD
COLORADO SPRINGS, CO 80908
PROJECT DESCRIPTION: DEVELOPMENTAL SITE PLAN



REVISIONS:		
DATE:	07/08/22	BY:
DESIGNED:	RSM	CHECKED:
REVIEWED:	MPP	

NOTES:

PLAN SCALE: 1" = 50'-0" (OR AS NOTED ON PLAN)

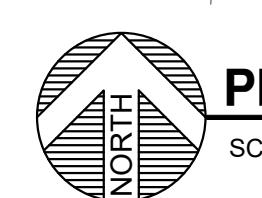
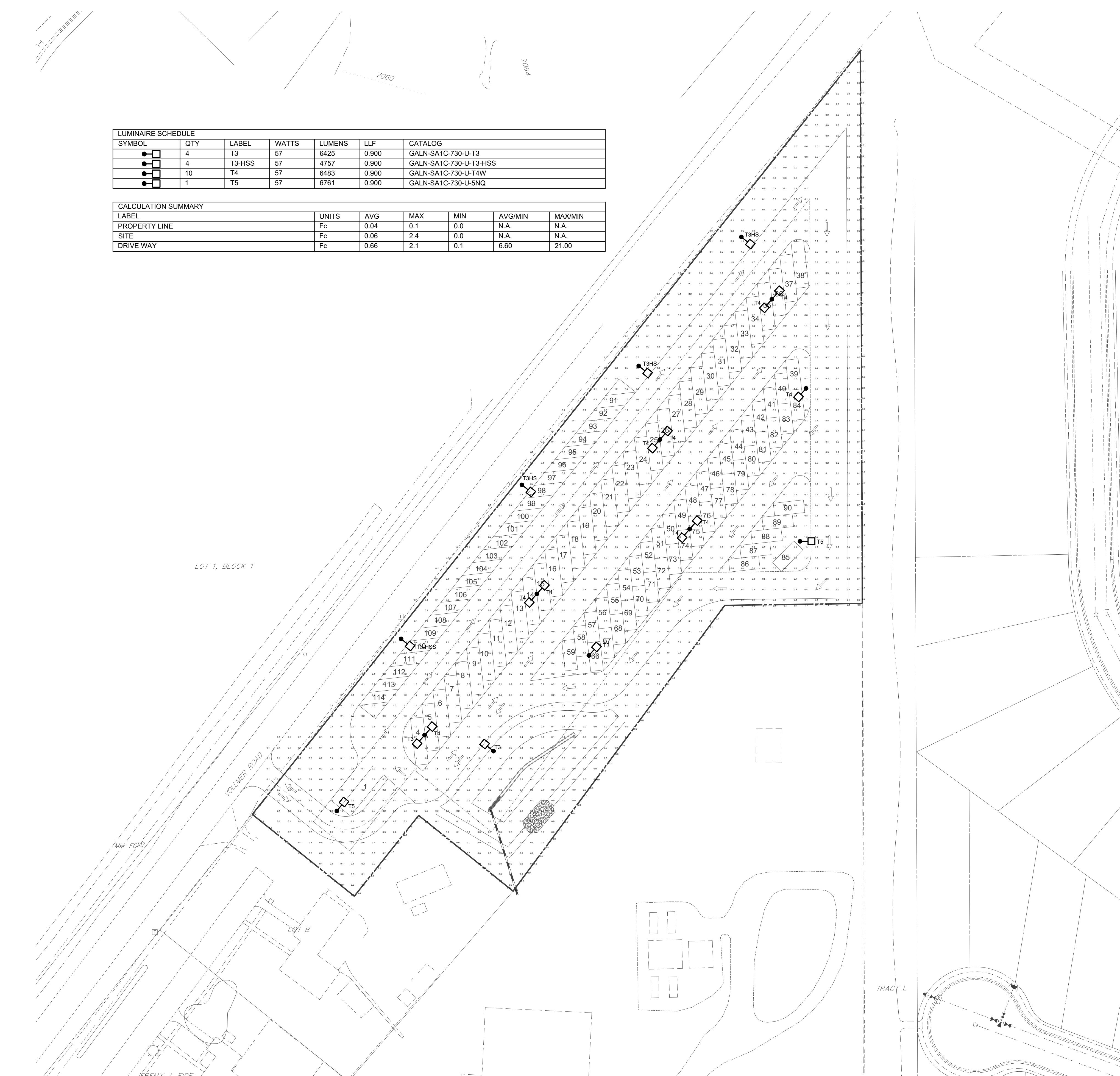
SHEET TITLE:
PHOTOMETRIC SITE PLAN

SHEET NO.:

DP1

1 OF 2 SHEETS

FILE NO.:



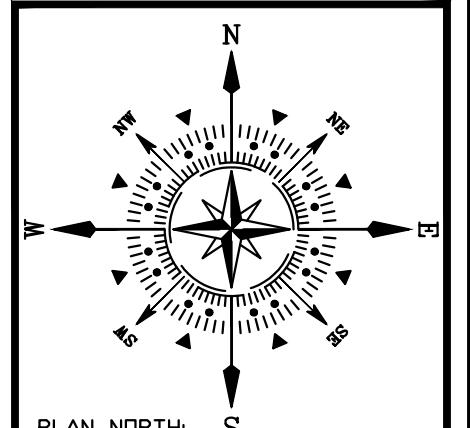
PHOTOMETRIC SITE PLAN

SCALE: 1" = 50'-0"

THIS DRAWING IS AN ORIGINAL WORK OF SERVICE AND AS SUCH, REMAINS THE EXCLUSIVE PROPERTY OF WILLIAM GUMAN & ASSOCIATES, LTD. ANY REPRODUCTION OR USE OF THIS DRAWING WITHOUT THE WRITTEN CONSENT OF WILLIAM GUMAN & ASSOCIATES, LTD. IS PROHIBITED.

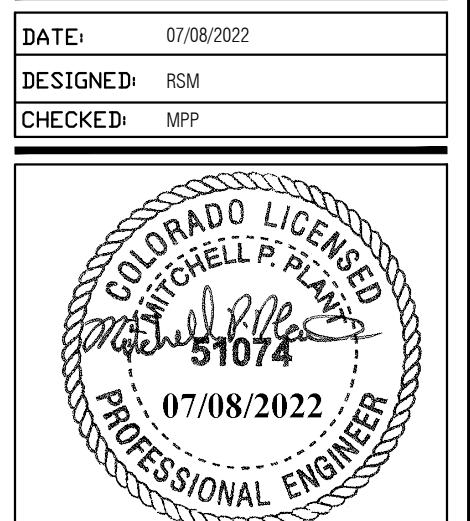
THIS DRAWING IS DIAGRAMMATIC. IN THE EVENT OF A CONFLICT, THE OFFICIAL DRAWINGS OF THE PROJECT ARE GRAPHICALLY, SHALL PREVAIL OVER ANY SCHEDULED DRAWINGS. THIS DRAWING IS FOR THE USE OF THE CONTRACTOR ONLY. IT IS NOT TO BE COPIED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR APPROVAL BY REVIEWING AGENCY OR THE OWNER. THIS DRAWING IS FOR THE USE OF THE CONTRACTOR ONLY. IT IS NOT TO BE COPIED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR APPROVAL BY REVIEWING AGENCY OR THE OWNER. THIS DRAWING IS FOR THE USE OF THE CONTRACTOR ONLY. IT IS NOT TO BE COPIED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR APPROVAL BY REVIEWING AGENCY OR THE OWNER. THIS DRAWING IS FOR THE USE OF THE CONTRACTOR ONLY. IT IS NOT TO BE COPIED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR APPROVAL BY REVIEWING AGENCY OR THE OWNER.

ONLY DRAWINGS BEARING THE OFFICIAL STAMP OF THE LICENSED LANDSCAPE ARCHITECT OF THE STATE OF COLORADO ARE VALID FOR CONSTRUCTION PURPOSES.



PLAN NORTH

PROJECT NAME: VOLLMER ROAD AND BOAT STORAGE
 PROJECT ADDRESS: 8765 VOLLMER ROAD
 COLORADO SPRINGS, CO 80908
 PROJECT DESCRIPTION: DEVELOPMENTAL SITE PLAN



REVISIONS:
 DATE: 07/08/22 BY: RSM DESCRIPTION: PHOTOMETRY PLAN

NOTES:

PLAN SCALE: 1" = 50' (OR AS NOTED ON PLAN)

SHEET TITLE: CUT SHEETS

SHEET NO.:

FILE NO.:

Project	Catalog #	Type	
Prepared by	Notes	Date	

McGraw-Edison

GLEON Galleon

Area / Site Luminaire

Product Features

- LumenSafe Technology
- Light Aligned™

Product Certifications

- IES
- DLC
- DLC 1
- 3G VIB
- IP66
- CERTIFIED
- idia
- BAA
- 5 YEAR

Quick Facts

- Lumen packages range from 4,200 - 80,800 (34W - 640W)
- Efficacy up to 156 lumens per watt
- Options to meet Buy American and other domestic preference requirements

Dimensional Details

Number of Light Squares	'A' Width	'B' Standard Arm Length	'C' Extended Arm Length	'D' Quick Mount Arm Length	'E' Quick Mount Extended Arm Length
1-4	15-1/2"	7"	10"	10-5/8"	16-9/16"
5-6	21-5/8"	7"	10"	10-5/8"	16-9/16"
7-8	27-5/8"	7"	13"	10-5/8"	--
9-10	33-3/4"	7"	16"	--	--

NOTES: For arm selection requirements and additional line art, see Mounting Details section.

1. Visit <https://www.designlights.org> to confirm qualification. Not all product variations are DLC qualified.
 2. IDA Certified for 3000K CCT and warmer only.

PSS00208EN page 1

October 20, 2021 9:54 AM

McGraw-Edison

GLEON Galleon

Optical Distributions

Product Specifications

Construction

- Extruded aluminum driver enclosure
- Heavy-wall, die-cast aluminum and caps
- Cast aluminum heat sinks
- Patent pending interlocking housing and heat sink

Optics

- Patented, high-efficiency injection-molded AcuLED Optics technology
- 16 optic distributions
- 3 lighting options including HSS, GRS and PFS
- IDA Certified (3000K CCT and warmer only)

Electrical

- LED drivers are mounted to removable tray

Energy and Performance Data

Lumen Maintenance (TM-21)

Drive Current	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours*	Theoretical L70 hours**
Up to 1A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.7%	98.3%	98.1%	97.4%	> 1.9M
1.2A	50°C	98.2%	97.2%	96.8%	95.2%	> 851,000
	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M
	50°C	90.7%	89.3%	88.9%	88.3%	> 1.3M

* Supported by IES TM-21 standards.
** Theoretical L70 hours based on IES TM-21 calculations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES P5-10-18, explaining proper use of IES TM-21 and LM-80.

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

[View GLEON ES files](#)

PSS00208EN page 4

October 20, 2021 9:54 AM

McGraw-Edison

GLEON Galleon

Ordering Information

SAMPLE NUMBER: GLEON-SA4C-740-U-T4T-GM

Product Family	Configuration	Drive Current	Color Temperature	Voltage	Distribution	Mounting	Finish
GLEON:Galleon	SA1-1 Square	A-600mA	222-700CB, 220K	1120V	T2-Type II	Black-Arm for Round or Square Pole	AP-Roy
BAA-GLEON:Galleon, Day Neutral Act Compliant	SA2-2 Square	B-600mA	227-700CB, 220K	1120V	T2R-Type II Roadway	EA-Extended Arm*	BZ-Bronze
TAA-GLEON:Galleon, Day Neutral Act Compliant	SA4-4 Squares	C-600mA	735-700CB, 250K	3-240V	T3R-Type III Roadway	MM-Mounted Pole	DP-Dark Platinum
TAA-GLEON:Galleon, Day Neutral Act Compliant	SA5-6 Squares	D-1200mA	759-700CB, 250K	3-240V	T4W-Type IV Wide	QM-Quick Mount Arm (Standard Length)*	WH-Whipped Metallic
TAA-GLEON:Galleon, Day Neutral Act Compliant	SA7-7 Squares	E-1200mA	827-700CB, 250K	3-240V	T4W-Type IV Narrow	QMA-Quick Mount Arm (Standard Length)*	RALX-Custom Color
TAA-GLEON:Galleon, Day Neutral Act Compliant	SA9-9 Squares	F-1200mA	838-80CB, 300K	3-240V	SWD-Type V Square Wide	QML-Quick Mount Arm (Standard Length)*	
TAA-GLEON:Galleon, Day Neutral Act Compliant	SA10-10 Squares	G-1200mA	AMB-HD-Rec, 350W	3-240V	SWD-Type V Square Medium		

Options (Add as Suffix)

- DIM-External 0-10V Dimming Leads**
- PGP-Programmable Photocell (Single or Dual Voltage)
- PPF-Double Face (200, 240 or 480V Supply Voltage)
- PPR-KEMA P-PR Photocell Receptacle
- PPR2-KEMA P-PR Photocell Sensor with Bluetooth Interface, 8'-20' Mounting**
- MS-1 Motion Sensor for ON/OFF Operation, 8'-20' Mounting Height*
- MS-120-Bi-Level Motion Sensor, 9'-20' Mounting Height*
- MS-120-Bl-Motion Sensor for Dimming Operation, 9'-20' Mounting Height*
- LCF-Light Square Lamp Painted to Match Housing*
- LT-Toolless Driver Housing*
- CC-Toolless Driver Module for DALI Driver and P-PR Receptacle
- SLR-Optics Rotated 90° Left
- SLR-Optics Rotated 90° Right
- CS-Optics Rotated 90° Left
- CS-Optics Rotated 90° Right
- SPWXXX-WaveLink Sensor Only, 15'-40' Mounting Height*
- WPSX-WaveLink Sensor, 15'-40' Mounting Height*
- DM10-MSD-DM-10B-Symverse Occupancy Sensor (c/w Mounting)*
- DM10-MSD-DM-10B-Symverse Occupancy Sensor (c/w Mounting)*
- DM10-MSD-DM-140-Symverse Occupancy Sensor (c/w Mounting)*
- DM10-MSD-DM-140-Symverse Occupancy Sensor (c/w Mounting)*

Controls and Systems Options (Add as Suffix)

- QAM-QAM
- QAM-100-QAM-100 Photocell Module-Top-105-285V
- QAM-100-QAM-100 Photocell Module-Top-105-285V
- QAM-120-QAM-120 Photocell - 34V
- QAM-120-QAM-120 Photocell Receptacle
- QAM-120-QAM-120 Photocell Receptacle
- MA1252-QAM-125 Motion Module
- MA1252-QAM-125 Motion Module
- MA1253-X-230-180T Tension Adapter for 2 3/8" O.D. Tenon
- MA1253-X-230-180T Tension Adapter for 2 3/8" O.D. Tenon
- MA1253-X-230-180T Tension Adapter for 2 3/8" O.D. Tenon
- MA1253-X-230-180T Tension Adapter for 2 3/8" O.D. Tenon
- MA1253-X-230-180T Tension Adapter for 2 3/8" O.D. Tenon
- MA1253-X-230-180T Tension Adapter for 2 3/8" O.D. Tenon
- MA1253-X-230-180T Tension Adapter for 2 3/8" O.D. Tenon
- MA1253-X-230-180T Tension Adapter for 2 3/8" O.D. Tenon
- MA1253-X-230-180T Tension Adapter for 2 3/8" O.D. Tenon
- MA1253-X-230-180T Tension Adapter for 2 3/8" O.D. Tenon
- FSR-100-Wireless Control Unit for Occupancy Sensor*
- GLEON-MT2-Held Installed Metal Top for 5-8 Light Squares
- GLEON-MT2-Held Installed Metal Top for 9-10 Light Squares
- GLEON-MT4-Held Installed Metal Top for 9-10 Light Squares
- GLEON-QMA-Quick Mount Extended Arm Kit**
- LS/SHS-Field Installed House Side Shield**
- LS/SHS-Field Installed House Side Shield, White, H-100mm
- LS/SHS-Field Installed House Side Shield, White, H-100mm
- WOLC-7P-18A-WaveLink Outdoor Controller*
- SWPS-XX-WaveLink Wireless Sensor, 15'-40' Mounting Height*
- SWPS-XX-WaveLink Wireless Sensor, 15'-40' Mounting Height*

NOTES:

1. User is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP1301EN for additional support information.
 2. Not available with other color options. See LumenSafe Technology Options for details.
 3. Minimum construction finish steel required to over 5,000 hours per ASTM B117 with a salt rating of 8 per ASTM B117. Not available with T4 options.
 4. Not compatible with standard quick mount arms (QMA).
 5. Requires the use of an internal trim piece when combined with sensor options. An available with standard quick mount arms (QMA).
 6. Includes the use of a standard quick mount arm (QMA) and a standard quick mount pole adapter (QMP).
 7. Requires the use of an internal trim piece when combined with sensor options. An available with standard quick mount arms (QMA).
 8. Not available with extended quick mount arms (QMA).
 9. Includes the use of an internal trim piece when combined with sensor options. An available with standard quick mount arms (QMA).
 10. Includes the use of an internal trim piece when combined with sensor options. An available with standard quick mount arms (QMA).
 11. Requires the use of an internal trim piece when combined with sensor options. An available with standard quick mount arms (QMA).
 12. Maximum 6 light squares.
- 13. Includes the use of an internal trim piece when combined with sensor options. An available with standard quick mount arms (QMA).
- 14. Requires 500mA or 1A driver, 120V or 240V AC, and a standard pole adapter. Choose driver current & supplier if 500mA driver is used. One will be required for P-PR.
- 15. Not available with standard quick mount arms (QMA).
 16. Not available with standard quick mount arms (QMA) or 240V AC. In 5A2 through 8A2 requires a larger mounting height. Minimum 10' height is required for 240V AC. In 8A2 through 10A2 requires a larger mounting height. Minimum 10' height is required for 240V AC. In 10A2 requires a larger mounting height. Minimum 10' height is required for 240V AC.
- 17. 20' is not available with standard quick mount arms (QMA) or 240V AC. In 5A2 through 8A2 requires a larger mounting height. Minimum 10' height is required for 240V AC. In 8A2 through 10A2 requires a larger mounting height. Minimum 10' height is required for 240V AC.
- 18. Not available with extended wireless sensors.
- 19. Cannot be used with other color options. See LumenSafe Technology Options for details.
- 20. Not available if any "MS" sensor is selected. Motion sensor has an integral photocell.
- 21. Not available if any "MS" sensor is selected. Motion sensor has an integral photocell.
- 22. Not available if any "MS" sensor is selected. Motion sensor has an integral photocell.
- 23. Includes the use of an internal trim piece when combined with sensor options. An available with standard quick mount arms (QMA).
 24. The T4W-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult for additional information.
- 25. Requires the use of an internal trim piece when combined with sensor options. An available with standard quick mount arms (QMA).
 26. Includes the use of an internal trim piece when combined with sensor options. An available with standard quick mount arms (QMA).
 27. Not available with house side shield (HSS).
 28. Includes the use of an internal trim piece. A black trim plate is used when HSS is selected.
- 29. QM is not available with the LMS, MMS, MZM, MZMPE, IP65 or P-PR options. Available in 10A2 only.
- 30. Only product configurations with these designated prefixes are built to be compliant with the applicable UL and CSA standards. Components shipped separately may be separately analyzed under domestic preference requirements. Consult factory for further information.
- 31. Not available.
- 32. MAC Gateway required to enable field-configurable change system defaults. See controls section for details.
- 33. Only product configurations with these designated prefixes are built to be compliant with the applicable UL and CSA standards. Components shipped separately may be separately analyzed under domestic preference requirements. Consult factory for further information.
- 34. Not available.
- 35. Only product configurations with these designated prefixes are built to be compliant with the applicable UL and CSA standards. Components shipped separately may be separately analyzed under domestic preference requirements. Consult factory for further information.
- 36. Not available.
- 37. Available for P-PR options.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul
L-LumenSafe Technology	B-Standard Dome Camera	R-Rogers Wi-Fi Networking w/ Omni-Directional Antenna
L-LumenSafe Technology	B-Remote PTZ Camera	R-Rogers Wi-Fi Networking
C-Cellular, No SIM		
C-Cellular, Verton		
S-Satellite, Sprint		

PSS00208EN page 2

October 20, 2021 9:54 AM

1 TYPICAL POLE BASE DETAIL

NOT TO SCALE

FOR EXACT NUMBER OF LUMINAIRES SEE PHOTOMETRIC PLAN

STRAIGHT, SQUARE, STEEL POLE 125 MPH RATED

HANDLE

GROUND LUG JUST INSIDE HANDLE

NON SHRINK GROUT

ANCHOR BOLT, NUTS AND LEVELING AS REQUIRED

1" CHAMFER

FINISHED GRADE

20'-0" MAX

17'-6" MAX

2'-6"

72'- MIN.

24"

3"

24"

3"

KEEP 3" CLEAR BETWEEN REBAR TIES AND OUTSIDE EDGE OF CONCRETE FORM.

#2 TIES 12" O.C.

SIX (6) #5 REBAR FULL LENGTH

CONCRETE BASE (3500 PSI)- UTILIZE 'SONOTUBE' OR EQUAL MANUFACTURED FORM

PROVIDE #6AWG BARE COPPER GROUNDING CONDUCTOR, MINIMUM 6' 0" OF WIRE COILED IN BOTTOM OF HOLE

24"

DIA.

PSS00208EN page 4

October 20, 2021 9:54 AM

McGraw-Edison

GLEON Galleon

Mounting Details

Standard Arm (Drilling Pattern)

<img alt="Diagram of standard arm drilling pattern with dimensions: 3-15/

Lighting Plan_V1.pdf Markup Summary

8/24/2022 9:37:47 AM (1)



Subject: Text Box
Page Label: [1] DP1 PHOTOMETRIC SITE PLAN
Author: Linda.Nguyen
Date: 8/24/2022 9:37:47 AM
Status:
Color:
Layer:
Space:

Provide information box with:

Owner name, telephone number and email address