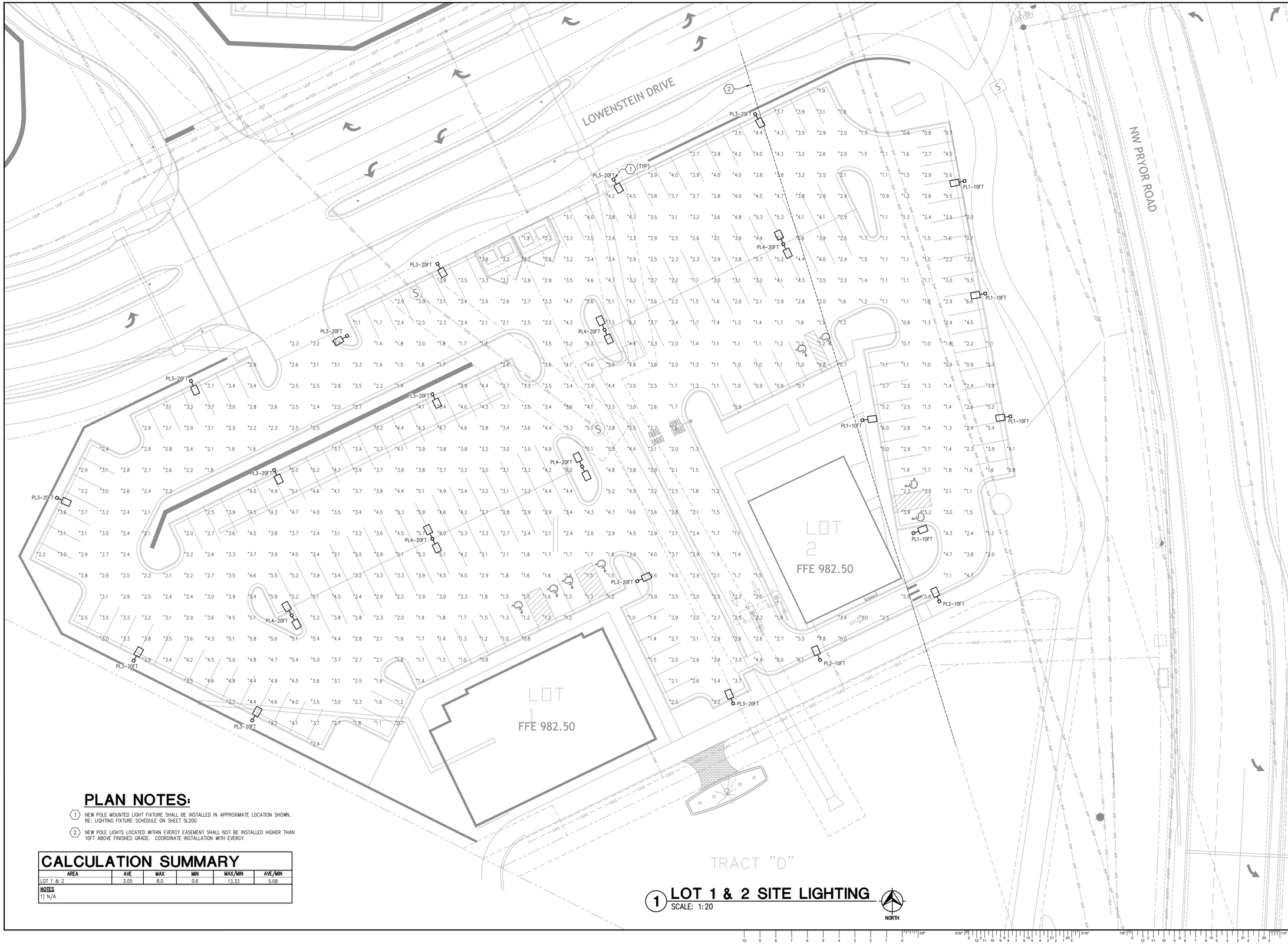

PLAN NOTES:

1. NEW POLE MOUNTED LIGHT FIXTURE SHALL BE INSTALLED IN APPROXIMATE LOCATION SHOWN. RE: LIGHTING FIXTURE SCHEDULE ON SHEET SL200
2. NEW POLE LIGHTS LOCATED WITHIN EVERGY EASEMENT SHALL NOT BE INSTALLED HIGHER THAN 10FT ABOVE FINISHED GRADE. COORDINATE INSTALLATION WITH EVERGY.

CALCULATION SUMMARY

AREA	AVE	MAX	MIN	MAX/MIN	AVE/MIN
LOT 1 & 2	3.05	8.0	0.6	13.33	5.08

NOTES
1) N/A

1 LOT 1 & 2 SITE LIGHTING
SCALE: 1:20

NORTH

MEP ENGINEER:
InSite Group
DEDICATION. DESIRE. INTEGRITY.
3540 NE RALPH POWELL RD, STE. B
LEE'S SUMMIT, MO 64064
PHONE: (816) 228-5577

SUMMIT AT WEST PRYOR
LOT 1 & 2 SITE LIGHTING

LEE'S SUMMIT, MO
JACKSON COUNTY

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SEAL:

REV	DESCRIPTION	DATE

ISSUE DATE:	09/24/2020
REASON FOR ISSUE:	PERMIT
PROJECT NUMBER:	20-6828-0
PROJECT PHASE:	CD
DRAWN BY: AWN	CHECKED BY: CLB

SHEET TITLE:

PHOTOMETRIC PLAN

SHEET NUMBER:

SL101

McGraw-Edison

Catalog #	Type
Project	
Comments	Date
Prepared by	

DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

GLEON
GALLEON LED

1-10 Light Squares
Solid State LED

AREA/SITE LUMINAIRE

SPECIFICATION FEATURES

Construction
Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics
Patented, high-efficiency injection-molded AccuLED Optics technology. 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 70 CRI. Optional 3000K, 5000K and 6000K CCT.

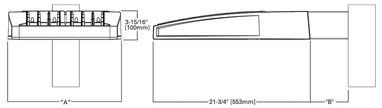
Electrical
LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon 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. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

Mounting
STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. QUICK MOUNT ARM: Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Finish
Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

Warranty
Five-year warranty.

DIMENSIONS



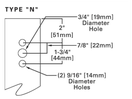
DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length [1]	Weight with Arm (lbs.)	EPA with Arm [2] (Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (548mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. **2.** EPA calculated with optional arm length.

DRILLING PATTERN

TYPE "N"



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*www.designlights.org

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

ENERGY DATA
Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120V-277V 50/60Hz
347V & 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

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March 12, 2018 4:50 PM

ORDERING INFORMATION

Sample Number: GLEON-AF-04-LED-E1-T3-GM-OM

Product Family [1,2]	Light Engine	Number of Light Squares [3]	Lamp Type	Voltage	Distribution	Color	Mounting
GLEON=Galleon	**AF**=1A Drive Current	**01**=1 **02**=2 **03**=3 **04**=4 **05**=5 [4] **06**=6 **07**=7 [4] **08**=8 [4] **09**=9 [4] **10**=10 [4]	**LED**=Solid State Light Emitting Diodes	**E1**=120-277V **347**=347V [4] **480**=480V [1,4]	**T2**=Type II **T2R**=Type II Roadway **T3**=Type III **T3R**=Type III Roadway **T4FT**=Type IV Forward Throw **T4W**=Type IV Wide **5NQ**=Type V Narrow **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right **RW**=Rectangular Wide Type I **AFL**=Automotive Frontline	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White	**[Blank]**=Arm for Round or Square Pole **EA**=Extended Arm [5] **MA**=Mast Arm Adapter [16] **WM**=Wall Mount **QM**=Quick Mount Arm (Standard Length) [11] **QMEA**=Quick Mount Arm (Extended Length) [12]

Options (Add as Suffix)	**Accessories** (Order Separately)
7030=70 CRI 3000K [12] **8030**=80 CRI 3000K [12] **7050**=70 CRI 5000K [12] **7060**=70 CRI 6000K [12] **600**=Drive Current Factory Set to Nominal 600mA [13] **800**=Drive Current Factory Set to Nominal 800mA [13] **1200**=Drive Current Factory Set to Nominal 1200mA [13, 14] **F**=Single Fuse (120, 277 or 347V. Must Specify Voltage) **FF**=Double Fuse (208, 240 or 480V. Must Specify Voltage) **ZL**=Two Circuits [15, 16] **DIM**=External 0-10V Dimming Leads [16, 28] **P**=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Volatage) [27] **PER7**=NEMA 7-PIN Twistlock Photocontrol Receptacle [27] **R**=NEMA Twistlock Photocontrol Receptacle [27] **AH0145**=After Hours Dim, 5 Hours [22] **AH0245**=After Hours Dim, 6 Hours [22] **AH0255**=After Hours Dim, 7 Hours [22] **AH0355**=After Hours Dim, 8 Hours [22] **HA**=50°C High Ambient [29] **MS/DIM-L08**=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height [24, 25] **MS/DIM-L20**=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [24,26] **MS/DIM-L40**=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [21, 25] **MS/DIM-L40W**=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range) [24, 25] **MS/X-L08**=Bi-Level Motion Sensor, Maximum 8' Mounting Height [24, 25, 26] **MS/X-L20**=Bi-Level Motion Sensor, 9' - 20' Mounting Height [24, 26, 29] **MS/X-L40**=Bi-Level Motion Sensor, 21' - 40' Mounting Height [21, 27, 29] **MS/X-L40W**=Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range) [24, 25, 29] **MS-L08**=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height [24, 25] **MS-L20**=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height [24, 26] **MS-L40**=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height [24, 27] **MS-L40W**=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range) [24, 29] **LWR-LW**=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height [30] **LWR-LN**=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height [30] **L90**=Optics Rotated 90° Left **R90**=Optics Rotated 90° Right **MT**=Factory Installed Mesh Top **TH**=Tool-less Door Hardware **LCF**=Light Square Trim Plate Painted to Match Housing [31] **HSS**=Factory Installed House Side Shield [32, 34] **CE**=CE Marking [33]	**OA/RA1016**=NEMA Photocontrol Multi-Tap - 105-285V **OA/RA1027**=NEMA Photocontrol - 480V **OA/RA1201**=NEMA Photocontrol - 347V **OA/RA1013**=Photocontrol Shorting Cap **OA/RA1014**=120V Photocontrol **MA1252**=10kV Surge Module Replacement **MA1036-XX**=Single Tenon Adapter for 2-3/8" O.D. Tenon **MA1037-XX**=2@180° Tenon Adapter for 2-3/8" O.D. Tenon **MA1197-XX**=3@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1188-XX**=4@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1189-XX**=2@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1190-XX**=3@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1191-XX**=2@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1038-XX**=Single Tenon Adapter for 3-1/2" O.D. Tenon **MA1039-XX**=2@180° Tenon Adapter for 3-1/2" O.D. Tenon **MA1192-XX**=3@120° Tenon Adapter for 3-1/2" O.D. Tenon **MA1193-XX**=4@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1194-XX**=2@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1195-XX**=3@90° Tenon Adapter for 3-1/2" O.D. Tenon **FSIR-100**=Wireless Configuration Tool for Occupancy Sensor [28] **GLEON-MT1**=Field Installed Mesh Top for 1-4 Light Squares **GLEON-MT2**=Field Installed Mesh Top for 5-6 Light Squares **GLEON-MT3**=Field Installed Mesh Top for 7-8 Light Squares **GLEON-MT4**=Field Installed Mesh Top for 9-10 Light Squares **GLEON-QM**=Quick Mount Arm Kit [11] **GLEON-QMEA**=Quick Mount Extended Arm Kit [12] **LS/HSS**=Field Installed House Side Shield [32, 34]

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. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
3. Standard 4000K CCT and minimum 70 CRI.
4. Not compatible with MS/X-L20 or MS/1-L20 sensors.
5. Not compatible with extended quick mount arm (QMEA).
6. Not compatible with quick mount arm (QM) or extended quick mount arm (QMEA).
7. Requires the use of an internal step-down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A.
8. 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 High Leg Delta and Three Phase Corner Grounded Delta systems).
9. May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table.
10. Factory installed.
11. Maximum 8 light squares.
12. Not available with 1200mA.
13. Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. Those files are published on the Galleon luminaire product page on the website.
14. Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. Those files are published on the Galleon luminaire product page on the website.
15. 1 Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. Those files are published on the Galleon luminaire product page on the website.
16. Not available with HA option.
17. ZL is not available with MS, MS/X or MS/DIM at 347V or 480V. ZL in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table.
18. Cannot be used with motion sensors.
19. Cannot be used with other control options.
20. Low voltage control lead brought out 18" outside fixture.
21. Not available if any "MS" sensor is selected. Motion sensor has an integral photocell.
22. Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
23. 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents.
24. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
25. Approximately 8' detection diameter at 8' mounting height.
26. Approximately 40' detection diameter at 20' mounting height.
27. Approximately 80' detection diameter at 40' mounting height.
28. Approximately 100' detection diameter at 40' mounting height.
29. Replace X with number of Light Squares operating in low output mode.
30. LumaWatt Pro wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information.
31. Not available with house side shield (HSS).
32. Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected.
33. CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only.
34. One required for each Light Square.

EATON
Powering Business Worldwide

Eaton
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4500
www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

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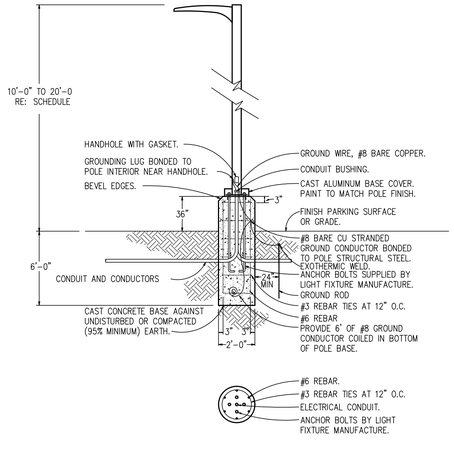
March 12, 2018 4:50 PM



1 LIGHT POLE BASE DETAIL
NO SCALE

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER *	FIXTURE DESCRIPTION	MODEL NUMBER	MOUNTING	COLOR	LAMP QTY	LAMP TYPE	LAMP CODE	DRIVE CURRENT (QUANTITY/TYPE)	VOLTS	WATTS (PER/POLE)	NOTES
PL1	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES, 10FT ABOVE FINISHED GRADE, 8FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: GLEON-AF-01-LED-E1-SL4-BZ POLE: SSA4M8WCN1GV	POLE	4000K	1 PER POLE	LED	–	(1) 1000mA	MVOLT	59	1-2
PL2	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES, 10FT ABOVE FINISHED GRADE, 8FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: GLEON-AF-01-LED-E1-SL2-BZ POLE: SSA4M8WCN1GV	POLE	4000K	1 PER POLE	LED	–	(1) 1000mA	MVOLT	59	1-2
PL3	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES, 20FT ABOVE FINISHED GRADE, 17FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: GLEON-AF-02-LED-E1-SL4-BZ POLE: SSA4M17WCN1GV	POLE	4000K	1 PER POLE	LED	–	(1) 1000mA	MVOLT	113	1-2
PL4	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH TWO DIRECT ARM MOUNTS AT 180 DEGREES, FIXTURES INSTALLED 90 DEGREES, 20FT ABOVE FINISHED GRADE, 17FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: (2) GLEON-AF-02-LED-E1-T4FT-BZ POLE: SSA4M17WCN2GV	POLE	4000K	2 PER POLE	LED	–	(1) 1000mA	MVOLT	226	1-2

NOTES
1) COORDINATE FINAL FIXTURE/POLE COLORS WITH OWNER.
2) INFORMATION PROVIDED IN SCHEDULE IS TO SHOW WHAT WAS USED IN CALCULATION. COORDINATE FINAL FIXTURE WITH OWNER/ENGINEER PRIOR TO ORDERING. LIGHTING CONTROL OPTIONS SHALL BE SELECTED TO COMPLY WITH CITY REQUIREMENTS.

* OR PRIOR APPROVED EQUAL

MEP ENGINEER:

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SUMMIT AT WEST PRYOR
LOT 1 & 2 SITE LIGHTING
LEE'S SUMMIT, MO
JACKSON COUNTY

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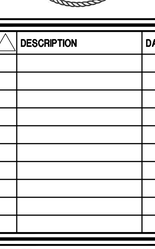
SEAL:



REV.	DESCRIPTION	DATE

ISSUE DATE:	09/24/2020
REASON FOR ISSUE:	PERMIT
PROJECT NUMBER:	20-6828-0
PROJECT PHASE:	CD
DRAWN BY: AWN	CHECKED BY: CLB

SHEET TITLE:
LIGHTING SCHEDULES AND DETAILS

SHEET NUMBER:
SL200