

April 23rd, 2024

Scott Ready – Project Manager
City of Lee Summit, MO
220 SE Green St
Lee Summit, MO 64063

RE: PL2024073: Residential Preliminary Development Plan for Cobey Creek

OWN, Inc. has received the City Staff comments dated April 08th, 2024 and have the following responses:

Planning Review (Shannon McGuire – Senior Planner)

1. Plan sheet shall be oriented so north is to the top or to the right side of the sheet. Sheet L1 is oriented with north to the left of the sheet. Please correct this.
OWN Response: Sheet L1 has been revised so that north is on the right side of the sheet.
2. Please show the location of all oil and gas wells, whether active, inactive, or capped. If none are present, please add a note stating so and cite your source of information.
OWN Response: A note has been added to sheet C1, stating no oil and gas wells are on the property per the Geosciences Technical Resource Assessment Tool.
3. Please provide details for the proposed lighting to be installed on the clubhouse and in the parking lot.
OWN Response: Light pole location and schedule information has been provided on sheet C11 with specs and details appended to this comment response letter. Lighting locations for the building are provided on sheet EL-1.
4. Preliminary building elevations of all sides depicting the general style, size and exterior construction materials and color schedule of the building proposed are required. The level of detail for the commercial component is good for a conceptual approval only. Development of these lot will require approval of a PDP by separate application.
OWN Response: Acknowledged.
5. Please provide color elevations for the proposed club house.
OWN Response: Color Elevations of the Clubhouse have been provided in the Plan Set. Refer to sheets A200 and A201.
6. Please provide preliminary building elevations depicting all sides the proposed residential structures.
OWN Response: Preliminary building elevations for all applicable product types have been provided in the Plan Set.

7. Please provide a narrative statement that briefly describes the proposed project and covers the differences from the proposed PDP and the previously approved PDP. Please also speak to how the proposed residential units will be compatible with the existing residential homes.
OWN Response: Please refer to the appended narrative.
8. Accessible parking spaces shall have an adjacent aisle 5 feet wide, and one in every 8 accessible spaces (but no less than one) shall be adjacent to an aisle 8 feet wide and the space shall be clearly marked with a sign indicating that the space is "van accessible." Please label the width of the ADA aisle to ensure compliance with this requirement.
OWN Response: Van accessible parking signs and dimensions for the ADA aisle and parking spaces have been added on sheet C11.
9. All accessible parking shall comply with the requirements of the federal Americans with Disabilities Act.
OWN Response: Acknowledged.
10. All signs must comply with the sign requirements as outlined in the sign section of the ordinance. If you are seeking approval of a sign package that exceeds the UDO regulations please provide sign details. If not proposing new signage or your signage will meet UDO standards disregard this comment.
OWN Response: Acknowledged.

Engineering Review (Gene Williams – Engineering)

1. The waivers discussed within the stormwater report for the peripheral drainage areas were already waived with the approval of Cobey Creek 2nd Plat engineering plans. Why are you requesting a waiver for these peripheral areas again?
OWN Response: The request for peripheral waivers has been removed from the Stormwater Study.
2. Sheet C5: Grading does not match what was shown on previous grading plans between Amara and Redstone. Also between Redstone and Sunset Ridge. In addition, the grading does not make sense considering the fact that the previous plan incorporated a drainage swale in the backyards, along with field inlets spaced at appropriate locations.
OWN Response: Grading was changed in order to balance the sites earthwork. The grading between Amara and Redstone has been revised to drain to the street and the field inlets have been removed. Refer to sheet C5.
3. Previous plan for the drainage swale to the south of Amara Dr. and east of Sanders showed a flat bottom swale centered on the property line, with half the flat bottom on the north property, and the other half on the south property. The new plan does not show this, but rather, grading to the property line thus forcing all stormwater onto one (1) property rather than both. Please revise as appropriate.
OWN Response: The grading south of Amara Dr. and east of Sanders has been revised to show a flat bottom swale centered on the property line. Refer to sheet C5.
4. Greenway and Corbin: Rear yard swale should be shown between Greenway and Corbin, along with underground system and field inlet(s). Please revise as appropriate.
OWN Response: A Rear yard swale has been shown between Greenway and Corbin along the system of field inlets. Refer to sheet C5.

5. Please submit stormwater waiver request for the exceedance to the 2 year event on forms provided by the City. The form shall be provided separately from this applicant letter. The waiver request shall be prepared with a summary document, and exhibit(s). The summary document shall describe the citations within the Design and Construction Manual to be waived, along with the rationale on why they should be waived. Please do not submit the entire stormwater report. It is acceptable to reference the stormwater report, and include selected excerpts. The waiver shall be signed and sealed by a design professional licensed within the State of Missouri.

OWN Response: The proposed 2-year release rate has been reduced by 9% from the previously approved Master Drainage Study. Per Gene Williams this is within allowable tolerance given the conditions laid out in the current Stormwater Report.

6. Is there any way to modify the existing outlet structure to meet the requirements for the 2 year release rate? Please discuss within the stormwater report and why this cannot be done. If applicable, this will need to be discussed within the waiver request.

OWN Response: The reason the comprehensive control 2-year release rate cannot be met has been expanded upon in the Stormwater Report.

Traffic Review (Erin Ralovo – Traffic)

1. Development will require MODOT approval before final approval can be granted.

OWN Response: Acknowledged. MoDOT formally approved the MO-150 plans on April 11, 2023. Please refer to the approval email from Chris Harman appended to this comment response.

2. MO-150 will need to be widened and the required ROW dedicated for all proposed improvements.

OWN Response: Acknowledged. See above response.

3. You propose a 190 FT Right turn lane and a 180 FT Left turn lane at Sunset Ridge. Previous requirements were for a 200 FT turn lane in both directions.

OWN Response: The previously approved traffic impact study and MoDOT plans were approved with the currently shown storage bay lengths of 190 and 180 ft. The updated TIS has been sent to MoDOT for reapproval with the same storage bay length recommendations.

4. Please provide a 10 FT shared use path along M-150 highway adjacent to the proposed development.

OWN Response: A 10 ft shared use path is shown along M-150 highway. Refer to sheet C6.

TIS recommendation (Additional Info)

The TIS list a recommendation to “Discuss construction of a signal at Doc Henry Road and Highway 150 with the appropriate stakeholders.” This comment is in reference to the existing traffic conditions at the intersection. MoDOT is aware that existing conditions warrant a signal and the appropriate stakeholders is in reference to MoDOT, the City of Lee’s Summit and the City of Greenwood.

Fire Review (Jim Eden – Fire)

1. Parking is allowed only on one side of the road on Sunset Ridge north of Cobey Creek Drive, Amara Drive, Redstone Drive, and Fairbrook Drive.

OWN Response: Acknowledged.

2. IFC 507.5.1 - Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than 300 feet from a hydrant on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains shall be provided where required by the fire code official. Hydrants for the commercial area and clubhouse not shown.

OWN Response: Existing and proposed hydrants are shown and labeled on sheets C6-C9.

Please feel free to contact me with any additional questions or comments.

Thank you,



Trevor Fox, P.E.
OWN, Inc.

Encl: Cobey Creek PDP Narrative
M-150 MoDOT approval email
Galleon LED Spec sheet





April 23rd, 2024

Scott Ready – Project Manager
City of Lee Summit, MO
220 SE Green St
Lee Summit, MO 64063

RE: PL2024073: Cobey Creek Preliminary Development Plan Narrative

The original rezoning and Preliminary Development Plan for the property located at 500 SE M-150 Highway was initiated by JCM Development, LLC and Hg Consult, Inc. in April of 2018 and approved by the Lee's Summit City Council in July of the same year. This plan proposed a mix of commercial development along the northern edge of M-150 with R-1 and R-2 residential zoning throughout the remainder of the property providing both single family and two-family residential lots. Engineering plans for the first phase of the development were approved in early 2020 and construction commenced shortly thereafter and continues today.

Clayton Properties Group (Summit Homes) has since acquired the property and is working in conjunction with OWN to redesign the future phases of the development to suit the current market conditions while still providing a product of the highest quality. The new layout of the development makes more efficient use of the space to while maintaining future connectivity points to the surrounding parcels. Summit Homes has expanded the residential product offerings to include not only single family and two-family lots but also a limited number of 4-plexes placed strategically in the northern portion of the site. The commercial portion of the development will remain along with planned amenities including the wet-bottom detention ponds, the Community Building with outdoor pool, a pickleball court and playground area. Landscape tracts and pocket parks are planned throughout the development as additional common areas.



Marshall Fief <mfief@weareown.com>

Fwd: 150 Hwy Cobey Creek

Patrick Joyce <pjoyce@weareown.com>
To: Marshall Fief <mfief@weareown.com>

Thu, Jun 29, 2023 at 6:03 PM

Email approval from MoDOT.

----- Forwarded message -----

From: **Christopher M. Harman** <Christopher.Harman@modot.mo.gov>
Date: Tue, Apr 11, 2023 at 9:40 AM
Subject: RE: 150 Hwy Cobey Creek
To: Patrick Joyce <pjoyce@ae-inc.com>
Cc: Nathan M Juliana <Nathan.Juliana@modot.mo.gov>, David A. McDaniel <David.McDaniel@modot.mo.gov>, Brittany A. Saathoff <Brittany.Saathoff@modot.mo.gov>

Patrick,

We're good with these revisions and are formally approving the plans.

Thanks!

Chris Harman

Traffic Studies Specialist

MoDOT - Kansas City District

600 NE Colbern Rd

Lee's Summit, MO 64086

Phone: 816-365-8074

Email: Christopher.Harman@modot.mo.gov

From: Patrick Joyce <pjoyce@ae-inc.com>
Sent: Monday, April 10, 2023 2:44 PM
To: Christopher M. Harman <Christopher.Harman@modot.mo.gov>
Cc: Nathan M Juliana <Nathan.Juliana@modot.mo.gov>; David A. McDaniel <David.McDaniel@modot.mo.gov>; Brittany A. Saathoff <Brittany.Saathoff@modot.mo.gov>
Subject: Re: 150 Hwy Cobey Creek

Chris, yes that is a good comment. We have addressed that in these plans and revised sheet #16 to reflect a relocation of the appropriate light pole.

Let me know if you have any questions. Below is a final set for your approval.

Thanks,

MODOT HWY 150 WIDENING 2023-04-07.pdf



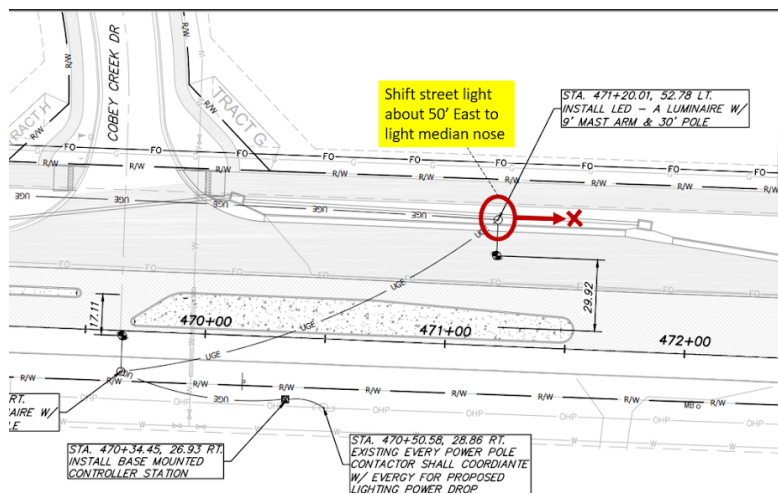
Patrick Joyce PE CPESC | Land Development Department Manager
Anderson Engineering, Inc.
 Office: 816 777 0400 Cell: 785 550 8994
ae-inc.com

On Mon, Apr 10, 2023 at 12:17 PM Christopher M. Harman <Christopher.Harman@modot.mo.gov> wrote:

Patrick,

Thanks for adding that into the plan!

I hate to seem nitpicky but I did notice on page 16 that the light for the western nose should be lined up adjacent to the nose so that it doesn't cast a shadow, as shown below.



This should be our final comment, so once this is addressed then we can hopefully wrap this up!

Thanks,

Chris Harman

Traffic Studies Specialist

MoDOT - Kansas City District

600 NE Colbern Rd

Lee's Summit, MO 64086

Phone: 816-365-8074

Email: Christopher.Harman@modot.mo.gov

From: Patrick Joyce <pjoyce@ae-inc.com>

Sent: Friday, April 7, 2023 4:07 PM

To: Christopher M. Harman <Christopher.Harman@modot.mo.gov>

Cc: Nathan M Juliana <Nathan.Juliana@modot.mo.gov>; David A. McDaniel <David.McDaniel@modot.mo.gov>; Brittany A. Saathoff

<Brittany.Saathoff@modot.mo.gov>

Subject: Re: 150 Hwy Cobey Creek

Christopher, we did receive some comments from you but they didn't appear final so we didn't want to resubmit. We have addressed the lighting comment, but we were waiting to see if you had any final comments. I'll assume then those were your final comments on that last email I had.

Here is the plan and comment response. Can we get an expedited review of this to make sure we have your comment satisfied. As luck would have it our first submission on these plans was 1 year ago today :) so I'd really like to get these wrapped up and out of my hair and yours. Link below for plans, comment response attached.

 [MODOT HWY 150 WIDENING 2023-04-07.pdf](#)

Thanks,



Patrick Joyce PE CPESC | Land Development Department Manager
Anderson Engineering, Inc.
Office: 816 777 0400 Cell: 785 550 8994
ae-inc.com

On Fri, Apr 7, 2023 at 11:37 AM Christopher M. Harman <Christopher.Harman@modot.mo.gov> wrote:

Hey Patrick,

I had thought that we had sent our comments over but looking through my emails for this I'm not seeing one where we addressed the revised plans that you sent us I looked over the plans.

Everything pertaining to signing and striping looks good. The only comment that I have is that the south nose of the Sunset Drive median will need to be lit and I didn't see anything for that in the lighting plans.

Thanks!

Chris Harman

Traffic Studies Specialist

MoDOT - Kansas City District

600 NE Colbern Rd

Lee's Summit, MO 64086

Phone: 816-365-8074

Email: Christopher.Harman@modot.mo.gov

From: Patrick Joyce <pjoyce@ae-inc.com>
Sent: Friday, March 10, 2023 2:58 PM
To: Nathan M Juliana <Nathan.Juliana@modot.mo.gov>
Cc: Christopher M. Harman <Christopher.Harman@modot.mo.gov>
Subject: 150 Hwy Cobey Creek

Nathan, was just checking in on the 150 Hwy Plans do you have any final comments for us?

On another project that I believe you are aware of, the Amphitheatre on 291 near River Bend Mo. We are looking at potentially requesting a vacation for a portion of R/W. The plan is to consolidate all those lots into one and place the amphitheatre right there. I'll give you a call next week to discuss the particulars? Feel free to call me first though. Thanks



 **Patrick Joyce PE CPESC | Land Development Department Manager**
Anderson Engineering, Inc.
Office: 816 777 0400 Cell: 785 550 8994
ae-inc.com

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.

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 Cooper Lighting Solutions 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.



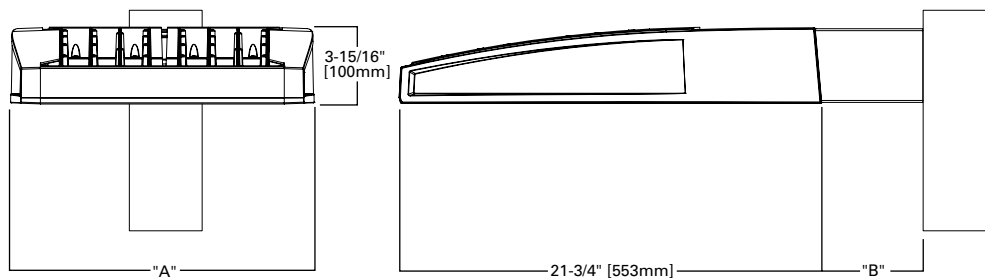
GLEON GALLEON LED

1-10 Light Squares

Solid State LED

AREA/SITE LUMINAIRE

DIMENSIONS

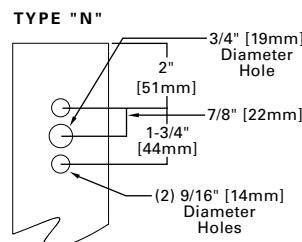


DIMENSION DATA

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" (549mm)	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



CERTIFICATION DATA

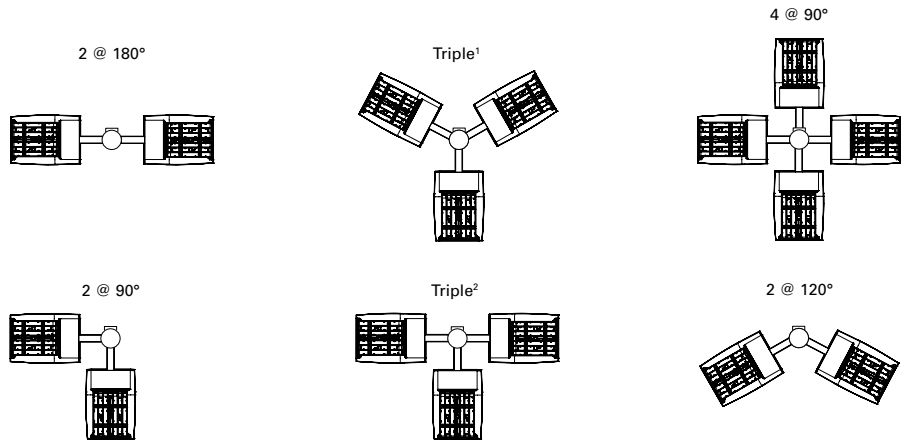
3G Vibration Rated
DesignLights Consortium® Qualified*
Dark Sky Approved (3000K CCT and warmer only)
IP66 Rated
ISO 9001
LM79 / LM80 Compliant
UL/cUL Wet Location Listed

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)

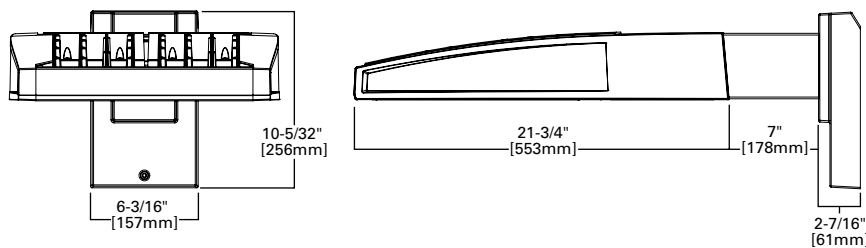
ARM MOUNTING REQUIREMENTS

Configuration	90° Apart	120° Apart
GLEON-AF-01	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-02	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-03	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-04	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-06	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AF-10	16" Extended Arm (Required)	16" Extended Arm (Required)

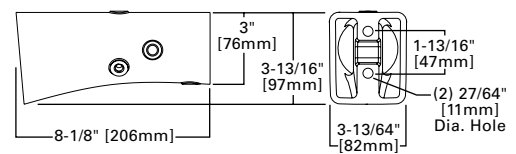


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. 2 Round poles are 3 @ 90°.

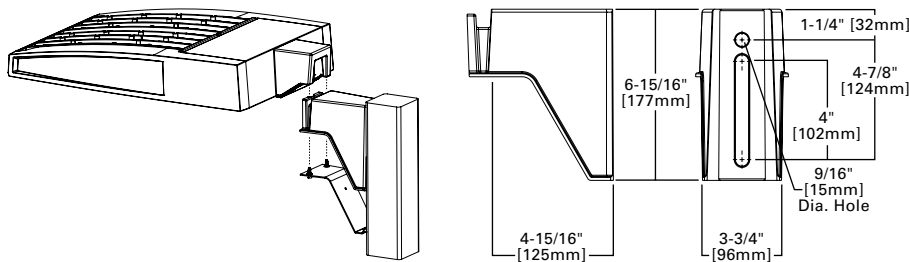
STANDARD WALL MOUNT



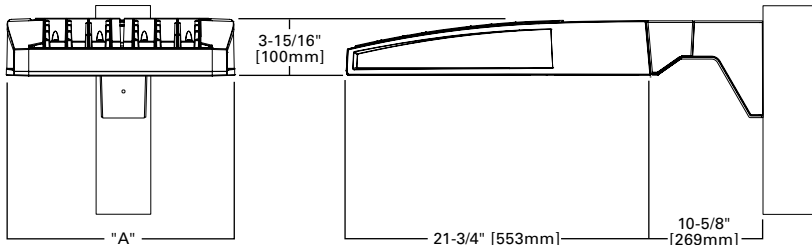
MAST ARM MOUNT



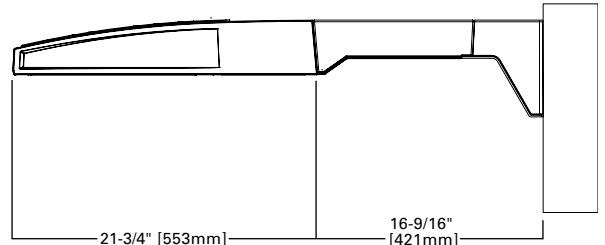
QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)



QM Quick Mount Arm (Standard)



QMEA Quick Mount Arm (Extended)



QUICK MOUNT ARM DATA

Number of Light Squares ^{1,2}	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	1.11
5-6 ³	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	N/A	


NOTES: 1 QM option available with 1-8 light square configurations. 2 QMEA option available with 1-6 light square configurations. 3 QMEA arm to be used when mounting two fixtures at 90° on a single pole.

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

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 ⁵ 08=8 ⁵ 09=9 ⁶ 10=10 ⁶	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V ⁷ 480=480V ^{7, 8}	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 5WO=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 ⁹ MA=Mast Arm Adapter ¹⁰ WM=Wall Mount QM=Quick Mount Arm (Standard Length) ¹¹ QMEA=Quick Mount Arm (Extended Length) ¹²	
Options (Add as Suffix)						Accessories (Order Separately)		
<p>7027=70 CRI 2700K ¹³ 7030=70 CRI 3000K ¹³ 8030=80 CRI 3000K ¹³ 7050=70 CRI 5000K ¹³ 7060=70 CRI 6000K ¹³ AMB=Amber, 590nm ^{16, 35} 600=Drive Current Set to Nominal 600mA ¹⁵ 800=Drive Current Set to Nominal 800mA ¹⁵ 1200=Drive Current Set to Nominal 1200mA ^{15, 16} F=Single Fuse (120, 277 or 347V. Specify Voltage) FF=Double Fuse (208, 240 or 480V. Specify Voltage) 2L=Two Circuits ^{12, 18} DIM=External 0-10V Dimming Leads ^{19, 20} DIM10=Synapse Integrated Control Module ^{14, 19} AHD145=After Hours Dim, 5 Hours ²² AHD245=After Hours Dim, 6 Hours ²² AHD255=After Hours Dim, 7 Hours ²² AHD355=After Hours Dim, 8 Hours ²² HA=50°C High Ambient ²³ L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MT=Installed Mesh Top TH=Tool-less Door Hardware HSS=Installed House Side Shield ²⁸ CE=CE Marking ²⁹ LCF=Light Square Trim Painted to Match Housing ²⁷ P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) ²¹ PER7=NEMA 7-PIN Photocontrol Receptacle ²¹ R=NEMA Photocontrol Receptacle ²¹</p>			<p>MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height ²⁴ MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height ²⁴ MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height ²⁴ MS/DIM-L08= Motion Sensor for Dimming Operation, Maximum 8' Mounting Height ²⁴ MS/DIM-L20= Motion Sensor for Dimming Operation, 9' - 20' Mounting Height ²⁴ MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height ²⁴ MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height ^{24, 25} MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height ^{24, 25} MS/X-L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height ^{24, 25} LWR-LW=Enlighted Wireless Sensor, Wide Lens for 8' - 16' Mounting Height ²⁸ LWR-LN=Enlighted Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height ²⁸ ZW=WaveLinx-enabled Module and 4-PIN Receptacle ^{19, 33} ZD=WaveLinx-enabled Module with DALI driver and 4-PIN Receptacle ^{19, 33} SWPD4XX=WaveLinx Sensor Only, 7'-15' ^{32, 34} SWPD5XX=WaveLinx Sensor Only, 15'-40' ^{32, 34} WOBXX=WaveLinx Sensor with Bluetooth, 7'-15' ^{32, 34} WOFXX=WaveLinx Sensor with Bluetooth, 15'-40' ^{32, 34} GRSBK=Glare Reducing Shield, Black ³⁶ GRSWH=Glare Reducing Shield, White ³⁶</p>			<p>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 ²⁴ 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 ^{28, 30} WOLC-7P-10A=WaveLinx Outdoor Control Module ^{19, 31} SWPD4-XX=WaveLinx Wireless Sensor, 7' - 15' Mounting Height ^{19, 32, 33, 34} SWPD5-XX=WaveLinx Wireless Sensor, 15' - 40' Mounting Height ^{19, 32, 33, 34}</p>		

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/4-LXX or MS/1-LXX sensors. 5 Not compatible with extended quick mount arm (QMEA). 6 Not compatible with standard 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 Maximum 6 light squares. 13 Extended lead times apply. Use dedicated IES files for 2700K, 3000K, 5000K and 6000K when performing layouts. 14 Available in 800mA only. 15 1 Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. 16 Not available with HA option. 17 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L 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 Not available with Enlighted wireless 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 Cooper Lighting Solutions for more information. 25 Replace X with number of Light Squares operating in low output mode. 26 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/lighting for Enlighted application information. 27 Not available with house side shield (HSS). 28 Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected. 29 CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only. 30 One required for each Light Square. 31 Requires PER7. 32 Requires ZW or ZD receptacle. 33 WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. 34 Replace XX with sensor color (WH, BZ or BK.) 35 Narrow-band 590nm +/-5nm for wildlife and observatory use. Supplied at 500mA drive current only. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option. 36 Not for use with T4FT, T4W or SL4 optics. See IES files for details.

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

Product Family	Camera Type	Data Backhaul
L=LumenSafe Technology* 	D=Dome Camera, Standard H=Dome Camera, Hi-Res Z=Dome Camera, Remote PTZ	C=Cellular, Customer Installed SIM Card A=Cellular, Factory Installed AT&T SIM Card V=Cellular, Factory Installed Verizon SIM Card S=Cellular, Factory Installed Sprint SIM Card W=Wi-Fi Networking w/ Omni-Directional Antenna E=Ethernet Networking

*Consult LumenSafe system pages for additional details and compatibility.