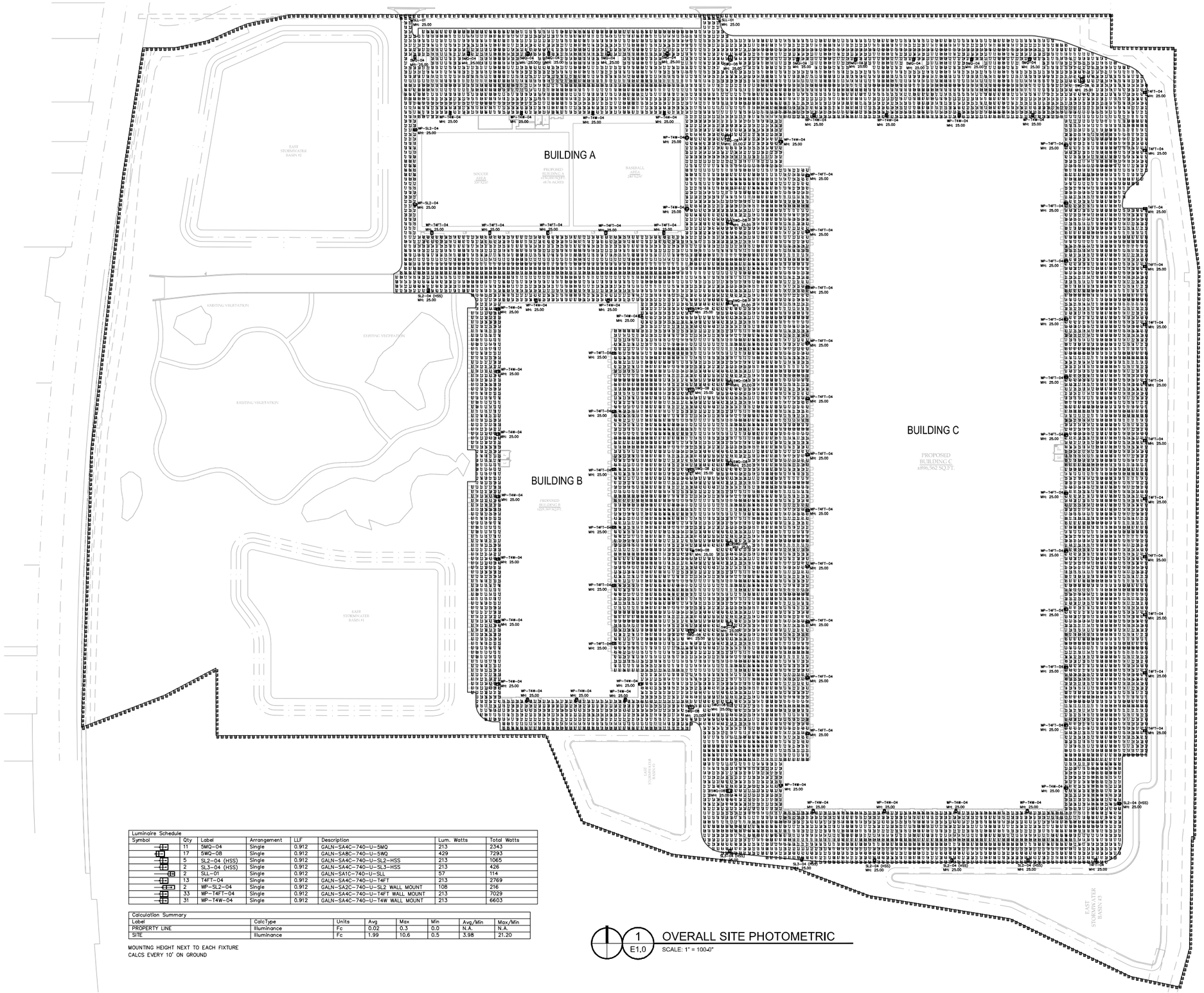


Luminaire Schedule							
Symbol	Qty	Label	Arrangement	LLF	Description	Lum. Watts	Total Watts
	11	5MQ-04	Single	0.912	GALN-SA4C-740-U-5MQ	213	2343
	17	5WQ-08	Single	0.912	GALN-SA8C-740-U-5WQ	429	7293
	5	SL2-04 (HSS)	Single	0.912	GALN-SA4C-740-U-SL2-HSS	213	1065
	2	SL3-04 (HSS)	Single	0.912	GALN-SA4C-740-U-SL3-HSS	213	426
	2	SLL-01	Single	0.912	GALN-SA1C-740-U-SLL	57	114
	13	T4FT-04	Single	0.912	GALN-SA4C-740-U-T4FT	213	2769
	2	WP-SL2-04	Single	0.912	GALN-SA2C-740-U-SL2 WALL MOUNT	108	216
	33	WP-T4FT-04	Single	0.912	GALN-SA4C-740-U-T4FT WALL MOUNT	213	7029
	31	WP-T4W-04	Single	0.912	GALN-SA4C-740-U-T4W WALL MOUNT	213	6603

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PROPERTY LINE	Illuminance	Fc	0.02	0.3	0.0	N.A.	N.A.
SITE	Illuminance	Fc	1.99	10.6	0.5	3.98	21.20

MOUNTING HEIGHT NEXT TO EACH FIXTURE
CALCS EVERY 10' ON GROUND

1 / E1.0 OVERALL SITE PHOTOMETRIC
SCALE: 1" = 100-0"

AME
ARCO MURRAY ENGINEERING

AME
3110 Woodcreek Drive
Downers Grove, IL 60515

Office: 331-251-2700
Fax: 331-251-2701

PROPOSED BUSINESS CAMPUS

SAUNDERS ROAD & HAWTHORNE LANE
DEERFIELD, IL

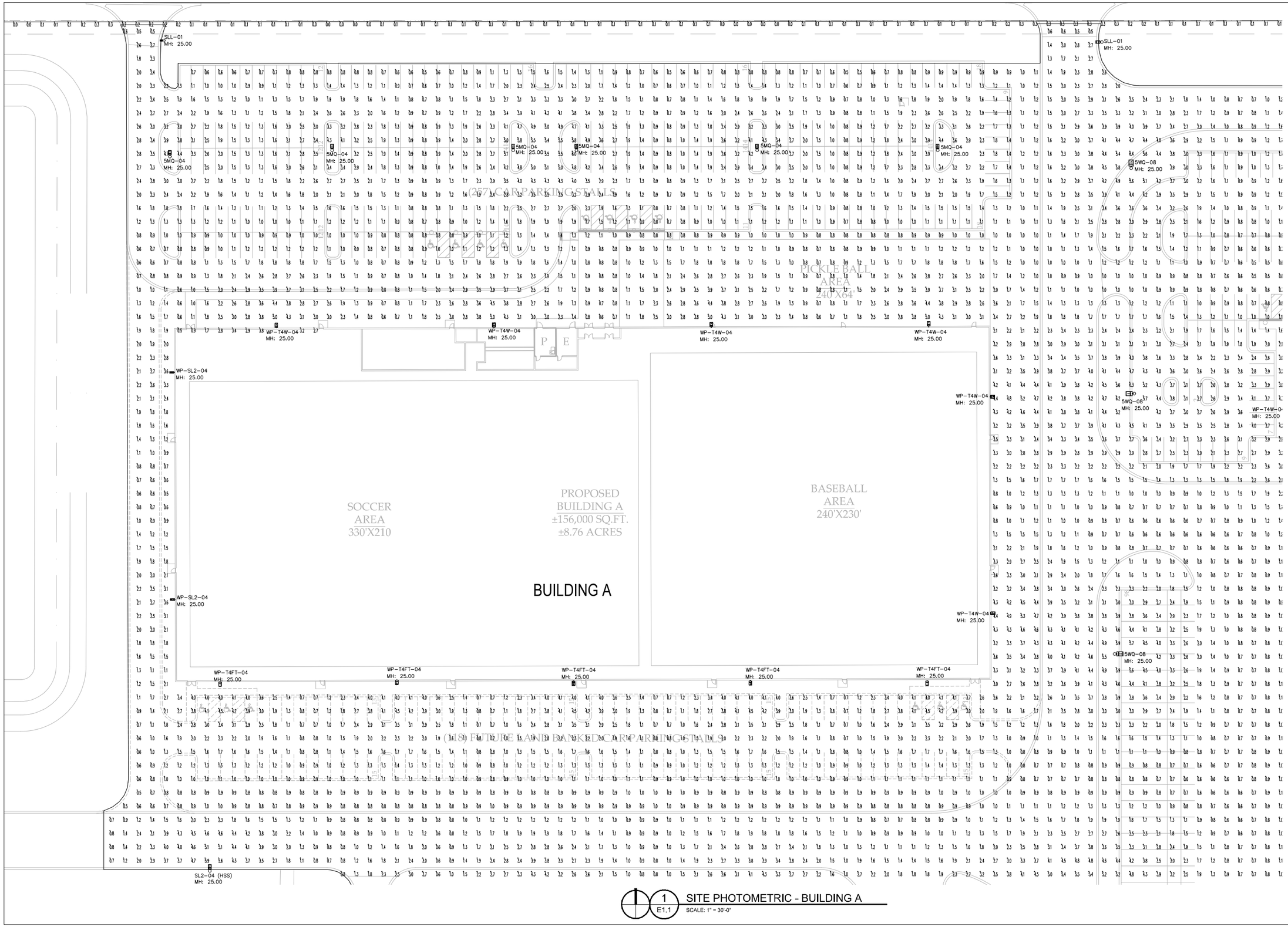
AME JOB #: 20XX
DRAWN BY:
APPROVED BY:
ORIGINAL ISSUE DATE:
03.17.2023

REVISIONS:

#	DESCRIPTION	DATE

OVERALL SITE PHOTOMETRIC

SHEET NUMBER
E1.0



1 E1.1 SITE PHOTOMETRIC - BUILDING A

SCALE: 1" = 30'-0"

AME
ARCO MURRAY ENGINEERING

AME
3110 Woodcreek Drive
Downers Grove, IL 60515

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PROPOSED BUSINESS CAMPUS

SAUNDERS ROAD & HAWTHORNE LANE
DEERFIELD, IL

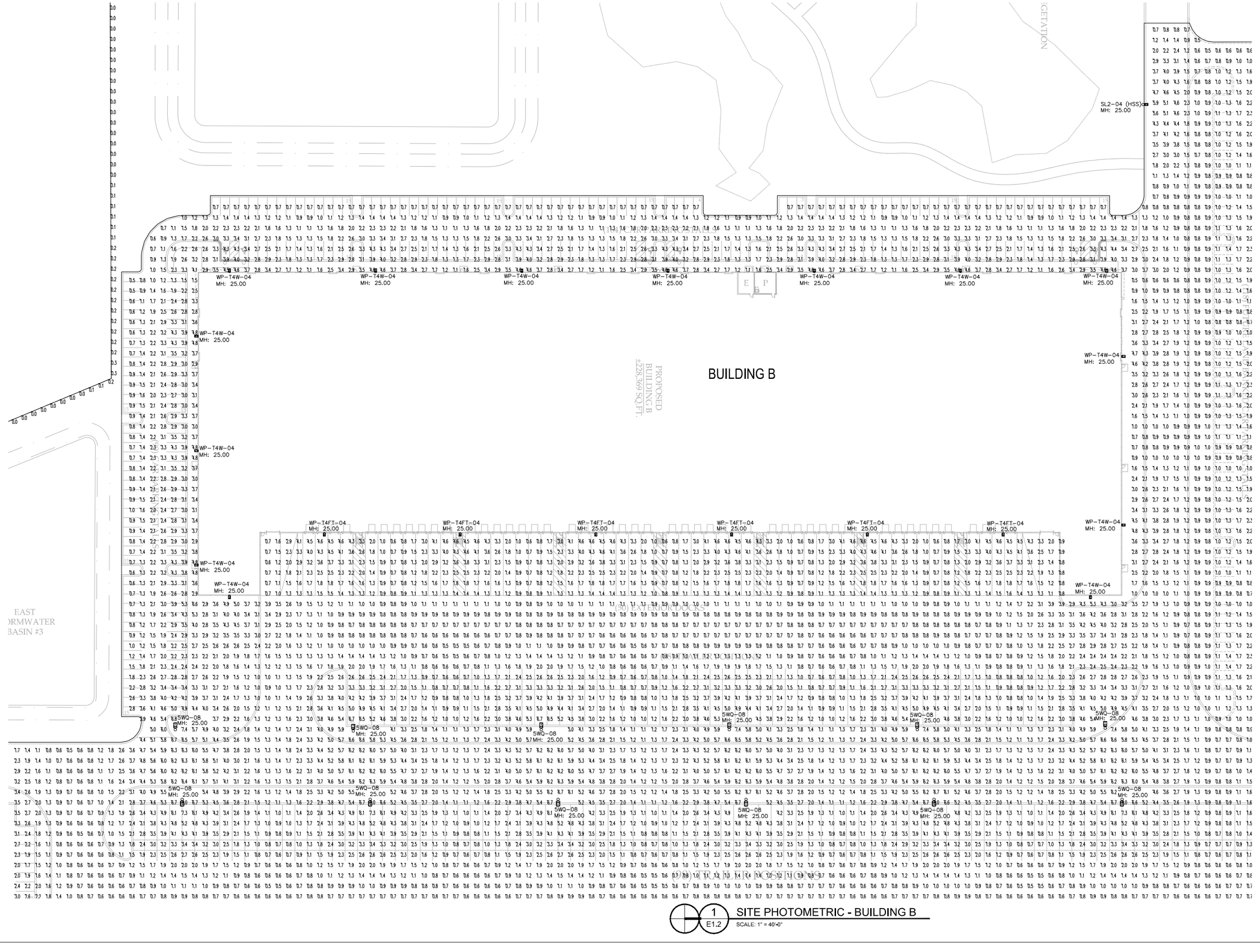
AME JOB #: 20XX
DRAWN BY:
APPROVED BY:
ORIGINAL ISSUE DATE: 03.17.2023

REVISIONS:

#	DESCRIPTION	DATE

SITE PHOTOMETRIC BUILDING "A"

SHEET NUMBER
E1.1



1 E1.2 SITE PHOTOMETRIC - BUILDING B

SCALE: 1" = 40'-0"

AME
ARCO MURRAY ENGINEERING

AME
3110 Woodcreek Drive
Downers Grove, IL 60515

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PROPOSED BUSINESS CAMPUS

SAUNDERS ROAD & HAWTHORNE LANE
DEERFIELD, IL

AME JOB #: 20XX
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APPROVED BY:
ORIGINAL ISSUE DATE: 03.17.2023

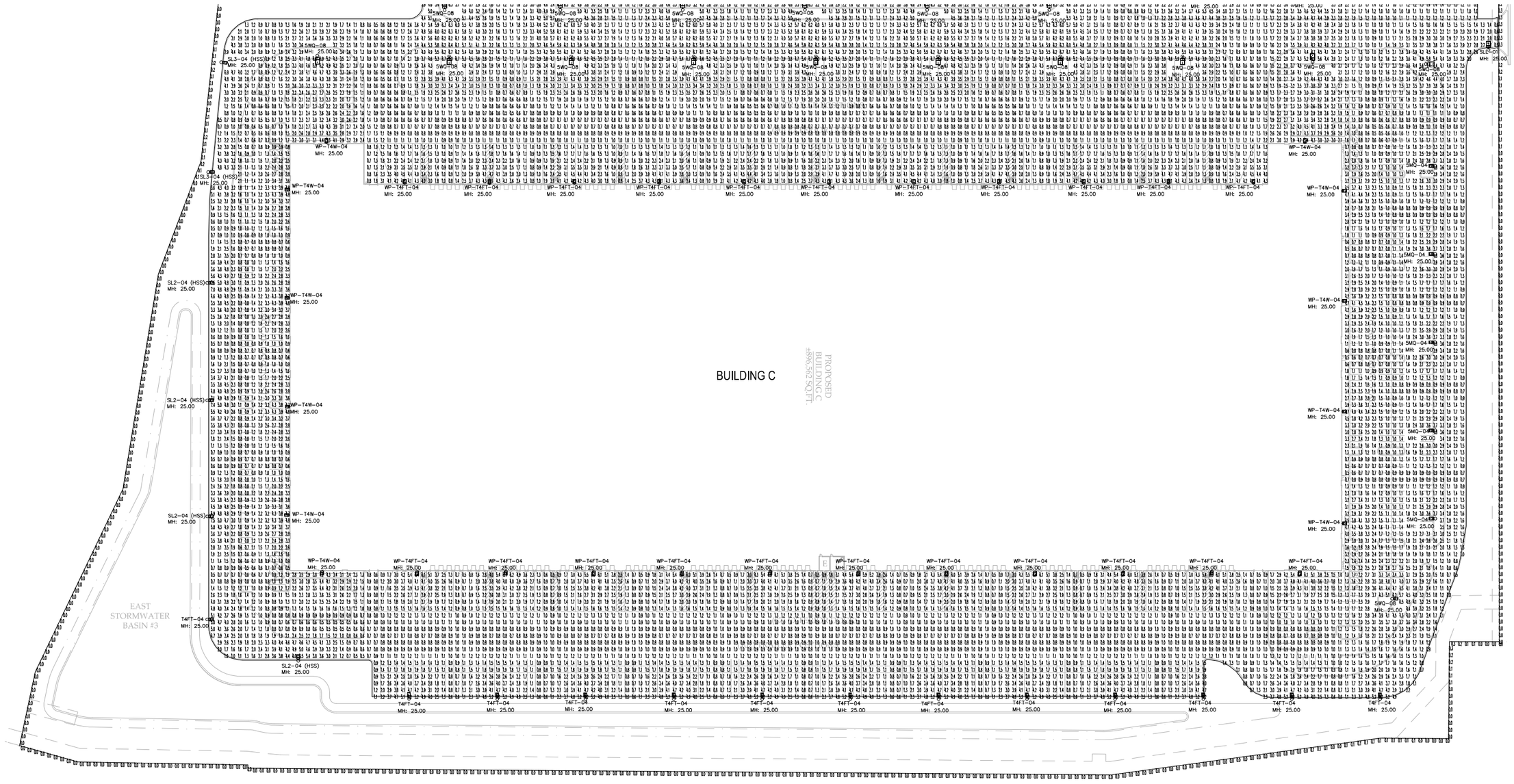
REVISIONS:

#	DESCRIPTION	DATE

SITE PHOTOMETRIC BUILDING "B"

SHEET NUMBER

E1.2



1 E1.3 SITE PHOTOMETRIC - BUILDING C

SCALE: 1" = 70'-0"

AME
ARCO MURRAY ENGINEERING

AME
3110 Woodcreek Drive
Downers Grove, IL 60515

Office: 331-251-2700
Fax: 331-251-2701

PROPOSED BUSINESS CAMPUS

SAUNDERS ROAD & HAWTHORNE LANE
DEERFIELD, IL

AME JOB #: 20XX
DRAWN BY:
APPROVED BY:
ORIGINAL ISSUE DATE:
03.17.2023

REVISIONS:

#	DESCRIPTION	DATE

SITE PHOTOMETRIC BUILDING "C"

SHEET NUMBER

E1.3

Project		Catalog #	GALN-SA4C-740-U-5MQ	Type	5MQ-04
Prepared by		Notes		Date	

McGraw-Edison
GALN Galleon II
Area / Site Luminaire

Product Features

Light ARchitect™

Interactive Menu
- Ordering Information page 2
- Mounting Details page 3
- Optical Distributions page 5
- Product Specifications page 5
- Energy and Performance Data page 6
- Control Options page 10

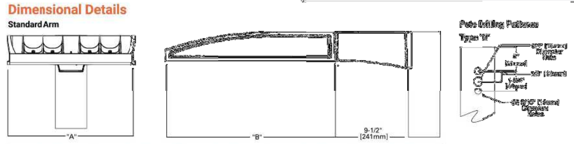
Product Certifications

Quick Facts
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 16 optical distributions
- Efficacy up to 159 lumens per watt

Connected Systems
- WaveLinx Lite
- WaveLinx

Dimensional Details

Standard Arm



Number of Light Squares	Width "A"	Housing Length "B"	Weight with Standard or QM Arm	EPA with Standard or QM Arm
1-4	16"	22"	29 lb	0.95
5-6	22"	22"	33 lb	0.95
7-9	22"	28-1/8"	43 lb	1.1

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

NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified (3000K CCT and warmer only, fixed mounting options)

COOPER Lighting Solutions

Project		Catalog #	GALN-SA8C-740-U-5WQ	Type	5MQ-08
Prepared by		Notes		Date	

McGraw-Edison
GALN Galleon II
Area / Site Luminaire

Product Features

Light ARchitect™

Interactive Menu
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- Optical Distributions page 5
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- Energy and Performance Data page 6
- Control Options page 10

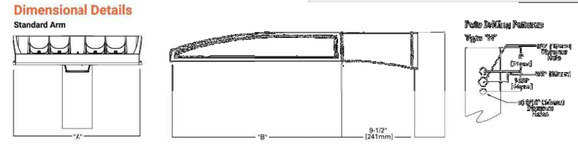
Product Certifications

Quick Facts
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 16 optical distributions
- Efficacy up to 159 lumens per watt

Connected Systems
- WaveLinx Lite
- WaveLinx

Dimensional Details

Standard Arm



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

NOTES:
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COOPER Lighting Solutions

Project		Catalog #	GALN-SA4C-740-U-SL2-HSS	Type	SL2-04 (HSS)
Prepared by		Notes		Date	

McGraw-Edison
GALN Galleon II
Area / Site Luminaire

Product Features

Light ARchitect™

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- Energy and Performance Data page 6
- Control Options page 10

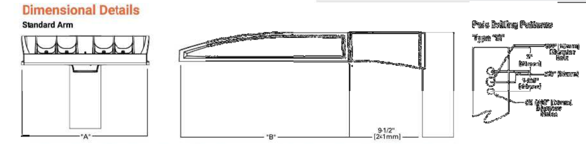
Product Certifications

Quick Facts
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 16 optical distributions
- Efficacy up to 159 lumens per watt

Connected Systems
- WaveLinx Lite
- WaveLinx

Dimensional Details

Standard Arm



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5-6	22"	22"	33 lb	0.95
7-9	22"	28-1/8"	43 lb	1.1

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

NOTES:
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2. IDA Certified (3000K CCT and warmer only, fixed mounting options)

COOPER Lighting Solutions

Project		Catalog #	GALN-SA4C-740-U-SL3-HSS	Type	SL3-04 (HSS)
Prepared by		Notes		Date	

McGraw-Edison
GALN Galleon II
Area / Site Luminaire

Product Features

Light ARchitect™

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- Control Options page 10

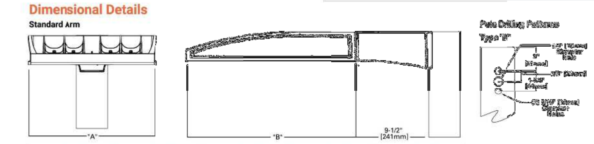
Product Certifications

Quick Facts
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 16 optical distributions
- Efficacy up to 159 lumens per watt

Connected Systems
- WaveLinx Lite
- WaveLinx

Dimensional Details

Standard Arm



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7-9	22"	28-1/8"	43 lb	1.1

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

NOTES:
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2. IDA Certified (3000K CCT and warmer only, fixed mounting options)

COOPER Lighting Solutions

Project		Catalog #	GALN-SA1C-740-U-SLL	Type	SLL-01
Prepared by		Notes		Date	

McGraw-Edison
GALN Galleon II
Area / Site Luminaire

Product Features

Light ARchitect™

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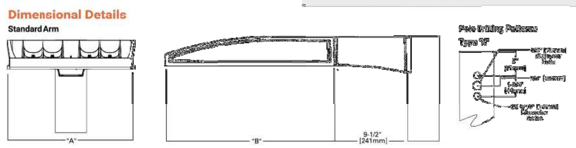
Product Certifications

Quick Facts
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 16 optical distributions
- Efficacy up to 159 lumens per watt

Connected Systems
- WaveLinx Lite
- WaveLinx

Dimensional Details

Standard Arm



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7-9	22"	28-1/8"	43 lb	1.1

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

NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified (3000K CCT and warmer only, fixed mounting options)

COOPER Lighting Solutions

Project		Catalog #	GALN-SA4C-740-U-T4FT	Type	T4FT-04
Prepared by		Notes		Date	

McGraw-Edison
GALN Galleon II
Area / Site Luminaire

Product Features

Light ARchitect™

Interactive Menu
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- Control Options page 10

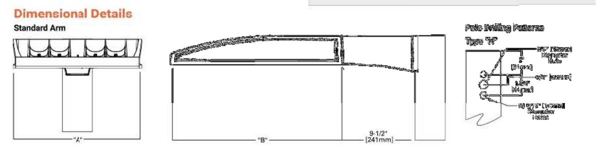
Product Certifications

Quick Facts
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 16 optical distributions
- Efficacy up to 159 lumens per watt

Connected Systems
- WaveLinx Lite
- WaveLinx

Dimensional Details

Standard Arm



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5-6	22"	22"	33 lb	0.95
7-9	22"	28-1/8"	43 lb	1.1

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

NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified (3000K CCT and warmer only, fixed mounting options)

COOPER Lighting Solutions

Project		Catalog #	GALN-SA2C-740-U-SL2 WALL MOUNT	Type	WP-SL2-04
Prepared by		Notes		Date	

McGraw-Edison
GALN Galleon II
Area / Site Luminaire

Product Features

Light ARchitect™

Interactive Menu
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- Energy and Performance Data page 6
- Control Options page 10

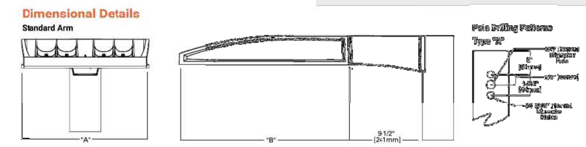
Product Certifications

Quick Facts
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 16 optical distributions
- Efficacy up to 159 lumens per watt

Connected Systems
- WaveLinx Lite
- WaveLinx

Dimensional Details

Standard Arm



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5-6	22"	22"	33 lb	0.95
7-9	22"	28-1/8"	43 lb	1.1

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

NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified (3000K CCT and warmer only, fixed mounting options)

COOPER Lighting Solutions

Project		Catalog #	GALN-SA4C-740-U-T4FT WALL MOUNT	Type	WP-T4FT-04
Prepared by		Notes		Date	

McGraw-Edison
GALN Galleon II
Area / Site Luminaire

Product Features

Light ARchitect™

Interactive Menu
- Ordering Information page 2
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- Optical Distributions page 5
- Product Specifications page 5
- Energy and Performance Data page 6
- Control Options page 10

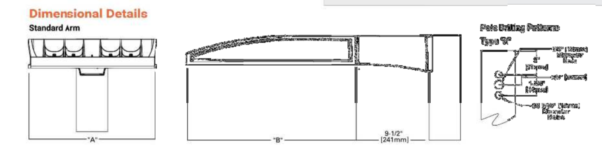
Product Certifications

Quick Facts
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 16 optical distributions
- Efficacy up to 159 lumens per watt

Connected Systems
- WaveLinx Lite
- WaveLinx

Dimensional Details

Standard Arm



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5-6	22"	22"	33 lb	0.95
7-9	22"	28-1/8"	43 lb	1.1

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

NOTES:
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2. IDA Certified (3000K CCT and warmer only, fixed mounting options)

COOPER Lighting Solutions

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PROPOSED BUSINESS CAMPUS

SAUNDERS ROAD & HAWTHORNE LANE
DEERFIELD, IL

AME JOB #: 20XX
DRAWN BY:
APPROVED BY:
ORIGINAL ISSUE DATE:
03.17.2023

REVISIONS:

#	DESCRIPTION	DATE

FIXTURE CUT SHEETS

SHEET NUMBER

E1.4

Project		Catalog #	GALN-SA4C-740-U-T4W WALL MOUNT	Type	WP-T4W-04
Prepared by		Notes		Date	

McGraw-Edison

GALN Galleon II

Area / Site Luminaire

Product Features

Light ARchitect™

Interactive Menu

- Ordering Information page 2
- Mounting Details page 3
- Optical Distributions page 5
- Product Specifications page 5
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- Control Options page 10

Product Certifications

Quick Facts

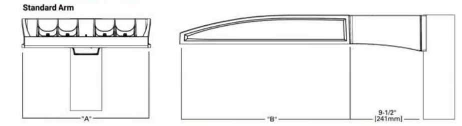
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 16 optical distributions
- Efficacy up to 159 lumens per watt

Connected Systems

- WaveLinx Lite
- WaveLinx

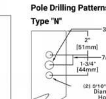
Dimensional Details

Standard Arm



Pole Drilling Patterns

Type "N"



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5-6	22"	22"	39 lb	0.95
7-9	22"	28-1/8"	48 lb	1.1

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

NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualfication. Not all product variations are DLC qualified.
2. IDA Certified (3000K CCT and warmer only, fixed mounting options)

Ordering Information

SAMPLE NUMBER: **GALN-SA4C-740-U-T4FT-GM**

Product Family [1,2]	Light Engine: Configuration	Light Engine: Drive Current	Color Temperature	Voltage	Distribution	Mounting	Finish
GALN=Galleon II BAA-GALN=Galleon II Buy American Act Compliant [27] TAA-GALN=Galleon II Trade Agreements Act Compliant [27]	SA1=1 Square SA2=2 Squares SA3=3 Squares SA4=4 Squares SA5=5 Squares SA6=6 Squares SA7=7 Squares SA8=8 Squares SA9=9 Squares	A=600mA B=800mA C=1000mA D=1200mA [4,17]	722=70CRI, 2200K 727=70CRI, 2700K 730=70CRI, 3000K 735=70CRI, 3500K 740=70CRI, 4000K 750=70CRI, 5000K 760=70CRI, 6000K 827=80CRI, 2700K 830=80CRI, 3000K AMB=Amber, 590nm [15,17]	U=120-277V H=347V-480V [7,30] 1=120V 2=208V 3=240V 4=277V 8=480V [7] 9=347V [7,30] DV=277V-480V DuraVolt Drivers [29,30,31]	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	[Blank]=Standard Pole Mount Arm QM=Standard Pole Mount Arm with Quick Mount Adaptor PA=Pole Mount, Adjustable SP=Slipfitter, Adjustable [8] MA=Mast Arm, Fixed WM=Wall Mount, Fixed WA=Wall Mount, Adjustable UP=Upswept Arm	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White RALXX=Custom Color

Options (Add as Suffix)

- DIM=External 0-10V Dimming Leads [20]
- F=Single Fuse (120, 277 or 347V Specify Voltage)
- FF=Double Fuse (208, 240 or 480V Specify Voltage)
- 20K=20kV UL 1449 fused surge protective device [10]
- 2L=Two Circuits [10]
- HA=50°C High Ambient
- HSS=Installed House Side Shield [18]
- GRSBK=Glare Reducing Shield, Black [23]
- GRSWH=Glare Reducing Shield, White [23]
- LCF=Light Square Trim Painted to Match Housing [26]
- TH=Tool-less Door Hardware [5]
- CC=Coastal Construction finish [3]
- L90=Optics Rotated 90° Left
- R90=Optics Rotated 90° Right
- 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]
- DALI=DALI Drivers

Controls and Systems Options (Add as Suffix)

- BPC=Button Type Photocontrol [6]
- PR=NEMA 3-PIN Photocontrol Receptacle
- PR7=NEMA 7-PIN Photocontrol Receptacle [21]
- FADC=Field Adjustable Dimming Controller [32]
- SPB2=Dimming Motion Sensor, 9'-20' mounting [24]
- SPB4=Dimming Motion Sensor, 21'-40' mounting [24]
- SPB2/X=Dimming Motion Sensor, limited square count, 9'-20' mounting [24]
- SPB4/X=Dimming Motion Sensor, limited square count, 21'-40' mounting [24]
- ZW=WaveLinx-enabled 4-PIN Twistlock Receptacle [19]
- ZD=SR Driver-enabled 4-PIN Twistlock Receptacle [19]
- ZW-WOBXX=WaveLinx Lite, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [19,12,13]
- ZW-WOFXX=WaveLinx Lite, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [19,12,13]
- ZD-WOBXX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [19,12,13]
- ZD-WOFXX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [19,12,13]
- ZW-SWPD4XX=WaveLinx Pro, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [19,12,13]
- ZW-SWPD5XX=WaveLinx Pro, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [19,12,13]
- ZD-SWPD4XX=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [19,12,13]
- ZD-SWPD5XX=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [19,12,13]
- DIM10-MS/DIM-L20=Synapse Occupancy Sensor (9'-20' Mounting) [19]
- DIM10-MS/DIM-L40=Synapse Occupancy Sensor (21'-40' Mounting) [19]

Accessories (Order Separately) [28]

- 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
- SRA238=Adapter kit for mounting to 2-3/8" O.D. Tenon
- LS/HSS=Feld Installed House Side Shield [9,18]
- LS/GRSBK-2PK =Glare Reducing Shield, Black [9,23]
- LS/GRSWH-2PK =Glare Reducing Shield, White [9,23]
- LS/PFS=Perimeter Shield, Black [16]
- WOLC-7P-10A=WaveLinx Outdoor Control Module [11,19]
- WOB-XX=WaveLinx Lite Sensor, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [12,13,14,19]
- WOF-XX=WaveLinx Lite Sensor, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [12,13,14,19]
- SWPD4-XX=WaveLinx Sensor, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [12,13,14,19]
- SWPD5-XX=WaveLinx Sensor, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [12,13,14,19]

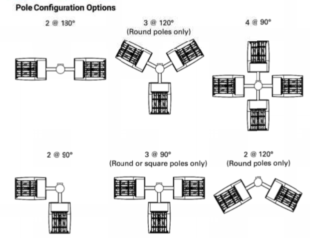
NOTES:
1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
2. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
3. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with TH option.
4. Drive current 1200mA not available with color temperatures 722, 727 or 830 when either HA or HSS options are selected.
5. TH option not 3G rated. Not available with Coastal Construction (CC) option.
6. Not available with voltage options H, 8 or 9.
7. Requires the use of an internal step down transformer when combined with sensor options. Not available in combination with the HA high ambient and sensor options at 1A.
8. Adjustable Slipfitter arm limited to vertical 3" tenon. For mounting to 2-3/8" O.D. tenons, order accessory SRA238.
9. One required for each Light Square.
10. 2L is not available with SPB at 347V or 480V. Not available with WaveLinx or Enlighted sensors, or 20kV surge option.
11. Requires PR7.
12. Replace XX with sensor color (WH, BZ or BK.)
13. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. WAC not required for LC Bluetooth sensors.
14. Requires ZW or ZD receptacle.
15. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose drive current A; supplied at 500mA drive current only. Exact luminaire wattage available in IES files. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option.
16. Set of 4 pcs. One set required per Light Square.
17. Not available with HA option.
18. Not for use with 5NQ, 5MQ, 5WQ or RW optics.
19. Cannot be used with other control options.
20. Low voltage control lead brought out 18" outside fixture. Not available with DALI or integrated controls options
21. Not available if any SPB, LWR, or WaveLinx sensor is selected. Motion sensor has an integral photocell.
22. Requires the use of BPC photocontrol or the PR7 or PR photcontrol receptacle with photocontrol accessory.
23. Not for use with T4FT, T4W or SL4 optics. See IES files for details.
24. Sensor configuration mobile application required for configuation. See controls page for details.
25. Replace X with number of Light Squares controlled by the SPB, referencing the "SPB/X Availability Table" on the controls page.
26. Not available with HSS, GRSWH or GRSBK.
27. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
28. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
29. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
30. 480V not to be used with ungrounded or impedance grounded systems.
31. Not available in 1 square configuration at 800mA or below. Not available with any control option except SPB.
32. Cannot be used with PR7 or other motion response control options.

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

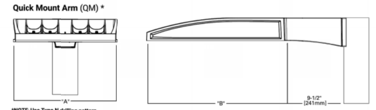
Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology	D=Standard Dome Camera H=Hi-Res Dome Camera Z=Remote PTZ Camera	C=Cellular, No SIM A=Cellular, AT&T V=Cellular, Verizon S=Cellular, Sprint	R=Cellular, Rogers W=Wi-Fi Networking w/ Omni-Directional Antenna E=Ethernet Networking

Mounting Details

Pole Configuration Options

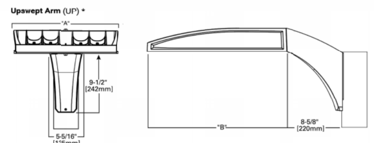


Quick Mount Arm (QM) *



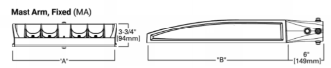
*NOTE: Use Type N drilling pattern

Upswept Arm (UP) *

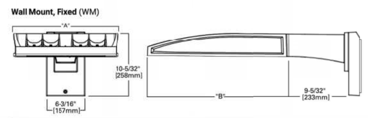


*NOTE: Use Type N, R or M drilling pattern

Mast Arm, Fixed (MA)

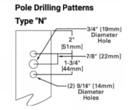


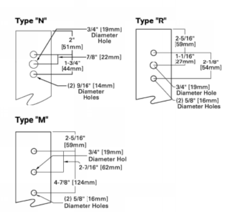
Wall Mount, Fixed (WM)



Pole Drilling Patterns

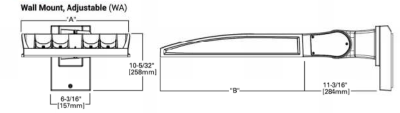
Type "N"



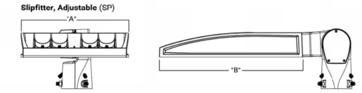


Mounting Details

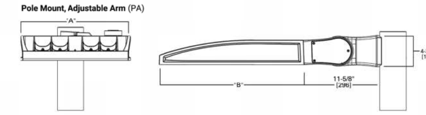
Wall Mount, Adjustable (WA)



Slipfitter, Adjustable (SP)

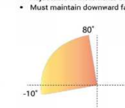


Pole Mount, Adjustable Arm (PA)



Adjustable Arm Range of Motion

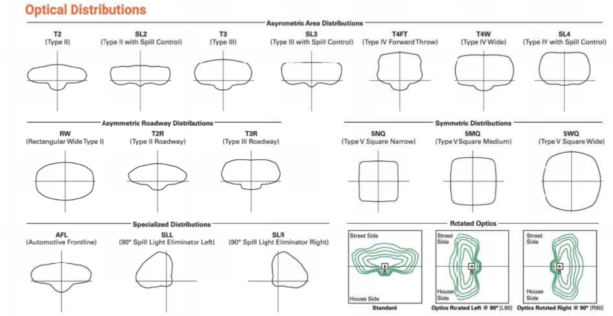
- Wall Mount (WA), Slipfitter (SP) and Pole Mount (PA)
- Adjustable in increments of 5°
- Must maintain downward facing orientation



Fixture Weights and EPAs

Tilt Angle (Degrees)	Number of Light Squares	Weight	1 @ 90°	2 @ 180°	2 @ 90°	2 @ 120°	3 @ 90°	3 @ 120°	4 @ 90°
0°	1-4	33.5 lb (15.2 kg)	0.85	1.70	1.46	1.66	2.31	2.25	2.35
	5-6	43.5 lb (19.7 kg)	0.86	1.71	1.62	1.80	2.49	2.35	2.50
	7-9	52.5 lb (23.8 kg)	0.98	1.95	1.75	1.98	2.73	2.55	2.76
15°	1-4	33.5 lb (15.2 kg)	1.10	1.71	1.95	2.26	2.81	3.30	2.87
	5-6	43.5 lb (19.7 kg)	1.42	1.71	2.27	2.72	3.13	3.63	3.15
	7-9	52.5 lb (23.8 kg)	1.69	1.96	2.67	3.22	3.65	4.38	3.72
30°	1-4	33.5 lb (15.2 kg)	1.72	1.81	2.58	3.21	3.44	4.59	3.53
	5-6	43.5 lb (19.7 kg)	2.26	2.29	3.11	4.00	3.97	5.27	4.00
	7-9	52.5 lb (23.8 kg)	2.75	2.85	3.73	4.83	4.71	6.45	4.81
45°	1-4	33.5 lb (15.2 kg)	2.25	2.36	3.10	4.00	3.96	5.63	4.08
	5-6	43.5 lb (19.7 kg)	2.96	2.99	3.81	5.06	4.67	6.49	4.71
	7-9	52.5 lb (23.8 kg)	3.63	3.76	3.73	6.17	5.59	8.03	5.73
60°	1-4	33.5 lb (15.2 kg)	2.63	2.77	3.49	4.58	4.34	6.21	4.48
	5-6	43.5 lb (19.7 kg)	3.46	3.51	4.32	5.84	5.19	7.01	5.22
	7-9	52.5 lb (23.8 kg)	4.27	4.44	5.25	7.15	6.23	8.80	6.40

Optical Distributions



Product Specifications

Construction
- Die-cast aluminum housing and heat sink
- Three housing sizes, using 1 to 9 light squares

Optics
- High-efficiency injection-molded AccuLED Optics technology
- 16 optical distributions for area site and roadway applications
- 3 shielding options include HSS, GRS and PFS
- IDA Certified (3000K CCT and warmer only, fixed mounting options)

Electrical
- Removable power tray assembly includes drivers, surge modules and control modules for ease of maintenance and serviceability
- Standard with 0-10V dimming
- Standard with 10kV surge module, optional 20kV surge module
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration

Mounting
- Arms are factory installed, enabling closed-housing installation
- All arms suitable for round or square pole installation
- All arms provide clearance for multiple fixture installations at 90°

Finish
- 6 standard finishes use super durable TGIC polyester powder coat paint, providing 2.5 mil nominal thickness and salt-spray tested to 3,000 hours per ASTM B117
- RAL and custom color matches available
- Coastal Construction (CC) option salt-spray tested to 5,000 hours per ASTM B117, achieving a scribe rating of 9 per ASTM D1654

Typical Applications
- Outdoor, Parking Lots, Walkways, Roadways, Building Areas

Warranty
- Five year limited warranty

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
	50°C	98.2%	97.2%	96.8%	95.2%	> 851,000
1.2A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M

* Supported by IES TM-21 standards
** Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-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

AME
ARCO MURRAY ENGINEERING

AME
3110 Woodcreek Drive
Downers Grove, IL 60515

Office: 331-251-2700
Fax: 331-251-2701

PROPOSED BUSINESS CAMPUS

SAUNDERS ROAD & HAWTHORNE LANE
DEERFIELD, IL

AME JOB #: 20XX
DRAWN BY:
APPROVED BY:
ORIGINAL ISSUE DATE:
03.17.2023

REVISIONS: #

#	DESCRIPTION	DATE

FIXTURE CUT SHEETS

SHEET NUMBER

E1.5