

VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION
For Inclusion on Board Agenda
Bids and Proposals

TO : President and Village Board of Trustees

FROM : Scott Niehaus, Village Manager

DATE : December 10, 2024

Agenda Date:

December 19, 2024

TITLE : Street Light Material Purchase

SUBMITTED BY: Carl Goldsmith, Director of Public Works **RESULTS:**

Date Bids Were Published: N/A

Bidding Closed: N/A

Total Number of Bids Received: 2

Total Number of Bidders Meeting Specifications: 2

Bid Security Required: Yes X NoPerformance Bond Required: Yes X NoWere Any Bids Withdrawn: Yes X No

Explanation:

Waiver of Bids Requested? X Yes NoIf yes, explain: **The Village solicited proposals from suppliers meeting the Village's Streetlighting specifications.**Award Recommended to Lowest X Yes No

Responsible Bidder?

If no, explain:

FISCAL IMPACT:

Engineer's estimate/budget estimate: \$50,000

Contract Award: \$45,353.00.00

Accounts: 530.810.110.75610 \$24,738.00

410.710.725.73310 (RM PROGRAM 27) \$20,615.00

BACKGROUND/RECOMMENDATION:

Staff recommends purchasing eleven (11) poles and fixtures from StressCrete Group (vendor #5014) in the amount of \$45,903.00, which was the lowest proposal received from qualified sources.

Has Recommended Bidder Worked for Village Previously

X Yes No

If yes, was quality of work acceptable

X Yes No

Was item bid in accordance with Public Act 85-1295?

 Yes X No

Waiver of bids - Public Act 85-1295 does not apply

X Yes**REVIEW** (as needed):

Village Attorney XX _____ Date _____

Finance Director XX _____ Date _____

Village Manager XX _____ Date _____

NOTE: All materials must be submitted to and approved by the Village Manager's Office by 4:30 pm, Wednesday, prior to the Board Agenda distribution.



December 5, 2024

TO: Village Board of Trustees

THROUGH: Scott Niehaus, Village Manager

FROM: Carl Goldsmith, Director of Public Works

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SUBJECT: Street Light Material Purchase

Background

As you are aware, the Village of Lombard acquired the commuter lot located at 25 W. Maple from the Helen Plum Library at such time as the library relocated from their facility at 110 W. Maple to the current facility located at 411 S. Main Street. The parking lot lacks sufficient street lighting, as it is served by one overhead light that does not illuminate the parking lot in a manner consistent with other commuter lots in Lombard. As such, staff has developed a plan to replace the single light with proper lighting. The Public Works Department has selected a lighting plan that keeps with the historical attributes of the adjacent Carriage House and Victorian Cottage.

The plan is to purchase and install six (6) of the streetlight assemblies that are used in residential neighborhoods. These lights are consistent with the Village's Streetlight Policy. There will be three (3) lights installed on the east side of the lot and three (3) lights installed on the west side of the lot. The Village has had a photometric study performed to ensure that the streetlights provide proper illumination to the lot. The lights will be installed by Village personnel in Spring 2025.

The Village has received two (2) quotes from vendors that meet the specifications provided for in the Village Streetlight Policy. The proposals are summarized below:

Vendor	Quantity	Price per Unit	Total Proposal
TWG Infrastructure Solutions (TWG) 401 S. Carlton Avenue Wheaton, IL 60187	6	\$4,123.00	\$24,738.00
The Lighting Digest 210 W. State Street Geneva, IL 60134	6	\$4,844.00	\$29,064.00

The cost of the purchase and any costs associated with the installation will be funded through the PARKING SYSTEM FUND (530.810.110.75610).

In addition to the six (6) units that the Village is seeking to purchase for the upgrade to the Maple Street Parking Lot, the Village would also like to purchase additional poles and fixtures to keep in stock to replace damaged or broken poles/fixtures. The Village would like to purchase five (5) poles and five (5) fixtures. As these units are the same as those being installed in the commuter

lot, the Village solicited a proposal from TWG Infrastructure Solutions for the additional units. The proposal is in the amount of \$20,865.00. The funds for this portion of the purchase will be through the Capital Improvements Plan RM Program 27 - Street Light & Traffic Signal Pole Replacement (410.710.725.73310).

TWG Infrastructure Solutions is the manufacturer's representative for the StressCrete Group who manufactures StressCrete poles and King Luminaires. As such the purchases will be made directly from StressCrete Group at the price quoted by TWG Infrastructure Solutions. The purchases will be funded out of the 2025 budget as the material will be received in Spring 2025. Should you have any questions, please feel free to contact me.

Recommendation

The Public Works Department recommends that the Village President and Board of Trustees authorize the purchase of eleven (11) poles and fixtures from the StressCrete Group subject to the proposal(s) submitted by TWG Infrastructure Solutions in the amount of \$45,353.00.

Date: Dec 11, 2024

Quote: LSOI24-17556-4

Quote

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INFRASTRUCTURE SOLUTIONS

TWG Infrastructure Solutions
(Formerly Lighting Solutions of IL)
401 S. Carlton Avenue
Wheaton IL 60187
Phone: (630) 462-0230
Fax: (630) 462-9077
From: Samantha Adamson
Quoter Ph:
Email: sadamson@thewillgroup.com

Project Village of Lombard - Parking Lot Design
Location Lombard IL
Quote LSOI24-17556-4

To: Rob LaMontagna
Village of Lombard
1051 Hammerschmidt Ave.
Lombard IL 60148-3969
Phone: (630) 620-5700
Email: LaMontagnaR@villageoflombard.

For
Bid Date Dec 10, 2024
Expires Jan 4, 2025

QTY	Type	MFG	Part	Price UQ	ExtPrice
6	MAPLE ST. PAR	STRESS	15' CONCRETE POLE, K56 POST TOP TYPE IV 25W W/ HHS TO MINIMIZE BACK LIGHT FINISH: BLACK	\$4,123.00	\$24,738.00
5	STOCK	STRESS	15' CONCRETE POLE, K56 POST TOP TYPE IV 25W W/ HHS TO MINIMIZE BACK LIGHT FINISH: BLACK	\$4,123.00	\$20,615.00

Note ****APPROVALS REQUIRED****

Total: **\$45,353.00**

Notes:

PLEASE REFER TO THIS QUOTE # WHEN ORDERING

FREIGHT INCLUDED FOR QUANTITIES SHOWN

LEAD TIME FOR CONCRETE 18-20 WEEKS

****LEAD TIME SUBJECT TO CHANGE****

Terms and conditions of sale:

If anchor bolts are included and pre-shipment is required, contact our office.

NO labor charge back will be paid without prior authorization from the factory.

Manufacturer's standard freight terms apply.

Freight claims are the responsibility of the customer.

Pricing and freight are based upon receiving an order for the entire BOM quoted above. Any deviation will result in a requote.

No liquidated damages will be accepted based upon material delivery delays

If a structural stamp is required with the submittals, contact our office.



Luminaire Schedule				
Symbol	Qty	Description	LLF	Luminaire Watts
☐	6	K56-T-P4AR-IV-25(SSL) -LPS - 16.5' LC	0.810	23.9

Calculation Summary					
Label	Units	Avg	Max	Min	Avg/Min
Parking Lot	Fc	0.5	2.5	0.1	4.6



**King
Luminaire**

840 Walkers Line, Box 7 Burlington, ON L7R 3X9
Toll Free: 1-800-268-7809

**Maple Street Public Parking Lot
Lombard, IL**

Date: 10/16/2024
Revision:

File Name: Q-2410020
Prepared by: JJH

Date: Nov 14, 2024

Quote: TLD24-12237-1

Quote
Page 1/2



The Lighting Digest
210 W State Street
Geneva IL 60134
Phone: (630) 566-2274
Fax:
From: Aspen Cassady
Quoter Ph:
Email: a.cassady@thelightingdigest.com

Project Village of Lombard - Parking Lot Project
Location Lombard IL
Quote TLD24-12237-1

To:
For
Bid Date Nov 13, 2024
Expires Dec 13, 2024

QTY	Type	MFG	Part	Price	UQ	ExtPrice
SUBJECT FOR APPROVAL						
6		AMERON	VE-VE04.6 Drawing#1512-018A	\$3,039.00		\$18,234.00
6		STERNBERG	PT-MS805BLED-7-12L40T3-MDL014-PA-BLOC/BK Drawing: SC Line Note: SIMILAR TO C41529-3 (4/19/2018) - BLOC OPTION IN LIEU OF G2S, WITH UPDATED LED PLATFORM *** 8-10 WEEK LEAD TIME ***	\$1,805.00		\$10,830.00
Note		STERNBERG	FIXTURE ONLY, TO SLIP FIT A 7" DIA. X 1-3/4" TALL TENON ON CONCRETE POLE BY OTHERS			
SUBTOTAL						\$29,064.00
ALTERNATIVE OPTION						
4		HAPCO	SSA20D4-4-D190-BA LESS ABOLTS Line Note: ***4-6 WEEK LEAD TIME***	\$1,307.00		\$5,228.00
0		HAPCO	ABOLTS	\$69.00		
4		MCGRAW-ED	GALN-SA1C-740-U-SL3-HSS Line Note: ***5 WEEK LEAD TIME***	\$682.00		\$2,728.00
SUBTOTAL						\$7,956.00

Mfg Terms: AMERO Ameron Pole Products PLUS FREIGHT
Freight Allowance Plus Freight
Minimum Order

COOPE Cooper Plus Freight
-Freight Allowance \$3,000
-Customer to confirm all counts & color.
-Manufacturer Pricing & Freight Terms subject to change without notice
-Partial releases may be subject to additional freight charges.
-Any deviation from this BOM, must be requested.
-Final Bill of Material will be subject to approval prior to the release.
-"Approved As Noted" Submittal(s) and/or Release Waiver(s), will be required prior to quoted Bill of Material to be released.

HAPCO Hapco Plus Freight
All Steel pole shipments are freight allowed. Aluminum is freight allowed if the order value is under \$3K, a 30% charge is added to the order

Aspen Cassady

Date: Nov 14, 2024

Quote: TLD24-12237-1

Quote

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The Lighting Digest
210 W State Street
Geneva IL 60134
Phone: (630) 566-2274
Fax:

From: Aspen Cassady
Quoter Ph:
Email: a.cassady@thelightingdigest.com

Project Village of Lombard - Parking Lot Project
Location Lombard IL
Quote TLD24-12237-1

STERN Sternberg Freight Allowed
Full freight allowed and pre-paid for ONE (1) standard shipment for ord
more than \$7,500.

Project		Catalog #		Type	
Prepared by		Notes		Date	



McGraw-Edison

GALN Galleon II

Area / Site Luminaire

Product Features



Product Certifications



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 11](#)

Quick Facts

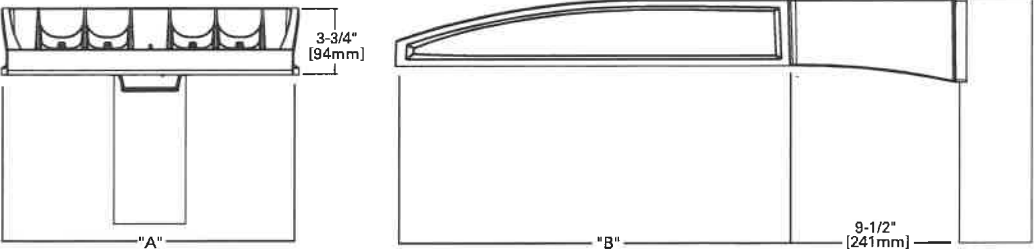
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 17 optical distributions
- Efficacy up to 159 lumens per watt

Connected Systems

- Wavelinx LITE Wireless
- Wavelinx PRO Wireless

Dimensional Details

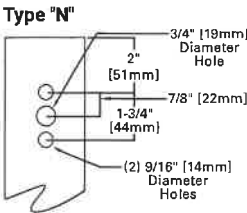
Standard Pole Mount Arm



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

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

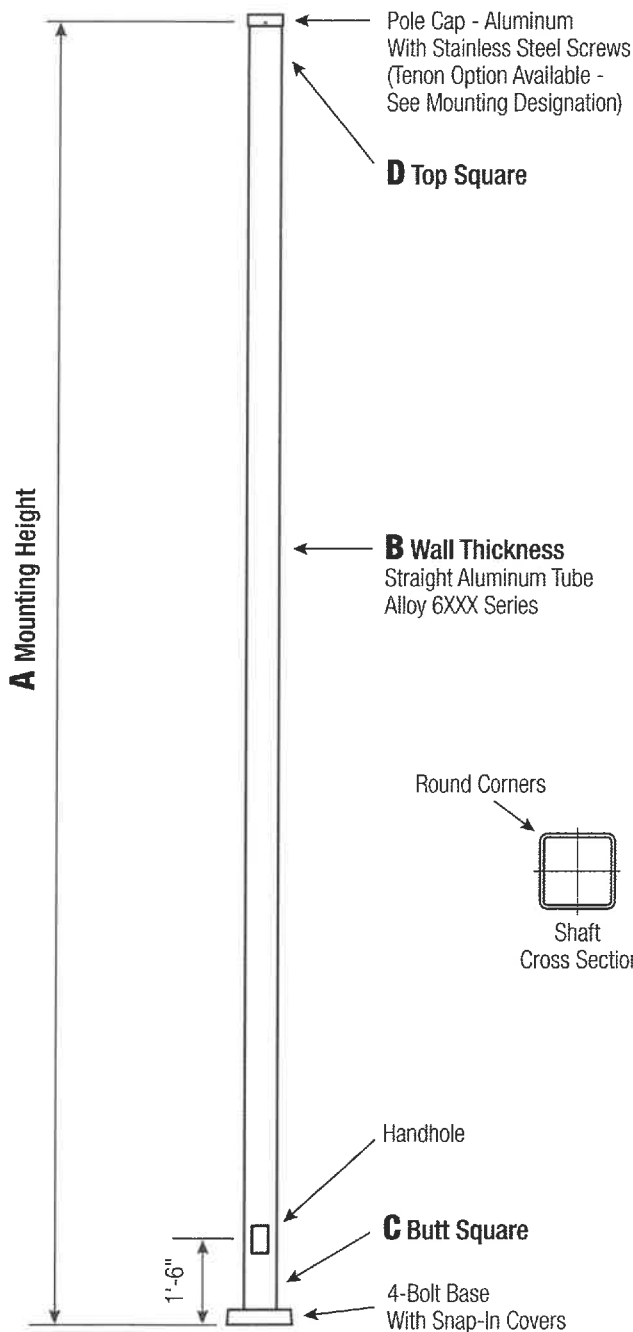
Pole Drilling Pattern



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)

SSA

Square Straight Aluminum Pole No Arm — 4-Bolt Base



Satin Aluminum or Powder Coated Finish per Customer Specification.

C Butt Sq.	D Top Sq.	F Bolt Cir. Dia.	G Base Sq.	H Bolt Proj.	I Bolt Size
4	4	8.5 - 9.5	9.875	1.5	.75 x 17 x 3
5	5	10.5 - 11.5	11.25	2	.75 x 30 x 3
6	6	12 - 13	12.75	2.25	1 x 36 x 4
6.625	6.625	13 - 14	13.5	2.25	1 x 36 x 4

Dimensions in Inches

Pole

The pole shaft will be constructed of seamless extruded tube of 6XXX Series Aluminum Alloy per the requirements of ASTM B221. The shaft assembly shall be full-length heat treated after base weld.

Base Style

4-Bolt Cast Aluminum Base Flange of Alloy 356-T6 with Aluminum Snap-In Bolt Covers.



Handhole

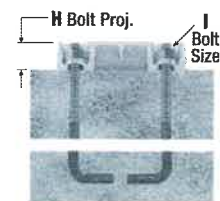
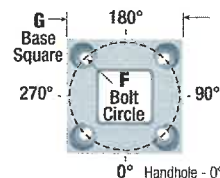
4"-5" Butt Squares -
2" x 4" Handhole with square Lap Style Aluminum Door and two (2) Stainless Steel Self-Tapping Attaching Screws. A Grounding Provision incorporating a tapped 1/4"-20NC Grounding Provision is provided opposite the Handhole.



6"+ Butt Square -
3" x 5" Handhole with square Lap Style Aluminum Door and two (2) Stainless Steel Self-Tapping Attaching Screws. A Grounding Provision incorporating a tapped 1/4"-20NC Grounding Provision is provided opposite the Handhole.

Anchorage

Anchorage Kit will include four (4) L-shaped Steel Anchor Bolts conforming to AASHTO M314-90 Grade 55. Ten inches (10") of threaded end will be galvanized per ASTM A153. Kits will contain four (4) Hex Nuts, four (4) Lock Washers, and four (4) Flat Washers (all components Galvanized Steel). A bolt circle template will be provided.



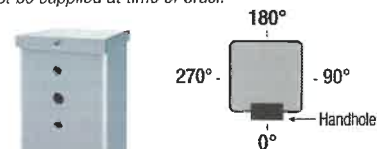
Vibration Damper

If determined necessary by Hapco, a top-mount, field installed First Mode Vibration Damper will be provided. Customer specification of the damper is available.

Mounting Designation

Side Drill Mount

For Side Drill Mount applications specify luminaire type, quantity and orientation. A luminaire drilling template must be supplied at time of order.



Tenon Mount

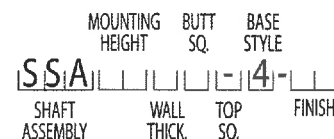
For Tenon Mount applications specify both Tenon diameter (2.375", 2.875", 3.5", etc.) and length (3", 4", etc.).



A MTG. HGT.	B WALL THICKNESS	C BUTT DIAMETER	TOTAL LUM. WEIGHT	MAXIMUM EPA					OLD CAT. NUMBER	CATALOG NUMBER
				90	100	110	120	130		
08	0.125"	4	100	23.2	18.4	17.2	14.2	11.8	11-043	SSA08B4-4-**-
10	0.125"	4	100	17.6	13.8	12.8	10.4	8.6	11-063	SSA10B4-4-**-
10	0.188"	4	100	26.2	20.8	19.4	16.0	13.2	11-064	SSA10D4-4-**-
12	0.125"	4	100	13.8	10.6	9.8	7.8	6.2	11-083	SSA12B4-4-**-
12	0.188"	4	100	21.0	16.4	15.2	12.4	10.2	11-084	SSA12D4-4-**-
12	0.188"	5	100	35.0	27.6	25.6	20.8	17.2	11-087	SSA12D5-4-**-
14	0.125"	4	85	10.8	8.2	7.6	5.8	4.6	11-103	SSA14B4-4-**-
14	0.188"	4	100	17.0	13.2	12.0	9.6	7.8	11-104	SSA14D4-4-**-
14	0.188"	5	100	28.6	22.4	20.6	16.6	13.6	11-107	SSA14D5-4-**-
15	0.125"	4	70	9.8	7.2	6.6	5.0	3.8	11-123	SSA15B4-4-**-
15	0.188"	4	100	15.4	11.8	10.8	8.6	6.8	11-124	SSA15D4-4-**-
15	0.188"	5	100	26.0	20.2	18.6	15.0	12.0	11-127	SSA15D5-4-**-
16	0.125"	4	55	8.8	6.4	5.8	4.4	3.2	11-143	SSA16B4-4-**-
16	0.188"	4	100	13.8	10.6	9.6	7.6	6.0	11-144	SSA16D4-4-**-
16	0.188"	5	100	23.8	18.4	16.8	13.4	10.8	11-147	SSA16D5-4-**-
18	0.125"	4	25	6.8	4.8	4.2	3.0	2.0	11-163	SSA18B4-4-**-
18	0.188"	4	80	11.2	8.4	7.6	5.8	4.4	11-164	SSA18D4-4-**-
18	0.250"	4	100	15.2	11.6	10.6	8.4	6.6	11-165	SSA18F4-4-**-
18	0.188"	5	100	19.4	14.8	13.4	10.4	8.2	11-167	SSA18D5-4-**-
20	0.125"	4	40	5.0	3.4	2.8	1.8	-	11-183	SSA20B4-4-**-
20	0.188"	4	50	9.0	6.6	5.8	4.2	3.0	11-184	SSA20D4-4-**-
20	0.250"	4	90	12.4	9.4	8.4	6.4	4.8	11-185	SSA20F4-4-**-
20	0.188"	5	100	15.8	11.8	10.6	8.0	6.0	11-187	SSA20D5-4-**-
20	0.250"	5	100	22.0	16.8	15.2	11.8	9.2	11-188	SSA20F5-4-**-
20	0.188"	6	100	24.8	18.8	17.0	13.2	10.2	11-190	SSA20D6-4-**-
20	0.250"	6	100	34.2	26.4	24.2	19.0	15.2	11-191	SSA20F6-4-**-
25	0.188"	5	45	9.4	6.2	5.4	3.4	1.8	11-247	SSA25D5-4-**-
25	0.250"	5	65	14.0	10.0	8.8	6.2	4.4	11-248	SSA25F5-4-**-
25	0.188"	6	60	15.4	10.8	9.4	6.6	4.2	11-250	SSA25D6-4-**-
25	0.250"	6	100	22.4	16.4	14.8	11.0	8.0	11-251	SSA25F6-4-**-
25	0.250"	6.625	100	28.8	21.4	19.2	14.6	11.0	11-254	SSA25FJ-4-**-
30	0.188"	6	40	8.8	5.0	4.0	1.6	-	11-290	SSA30D6-4-**-
30	0.250"	6	25	14.4	9.6	8.4	5.2	3.0	11-291	SSA30F6-4-**-
30	0.250"	6.625	55	19.0	13.0	11.4	7.6	4.6	11-294	SSA30FJ-4-**-
35	0.250"	6	70	8.0	4.0	3.0	-	-	11-331	SSA35F6-4-**-
35	0.250"	6.625	50	11.4	6.6	5.2	2.0	-	11-334	SSA35FJ-4-**-

Catalog Number System

The catalog number for Hapco poles utilizes the following identification system.



Catalog Number Example -

SSA 20 D 5 - 4 - BA

Square Straight Aluminum, 20' Mounting Height, .188" Wall Thickness, 5" Butt Square, No Taper, 4-Bolt Base, Black Powder Coat Finish.

Wall Thickness

B = .125"

D = .188"

F = .250"

Butt Square

4 = 4"

5 = 5"

6 = 6"

J = 6-5/8"

Top Square

- = No Taper

Base Style

4 = 4-Bolt Base

Finish

O2 = Satin Aluminum

BA = Black Powder Coat

BH = White Powder Coat

BM = Dark Bronze Powder Coat

BV = Dark Green Powder Coat

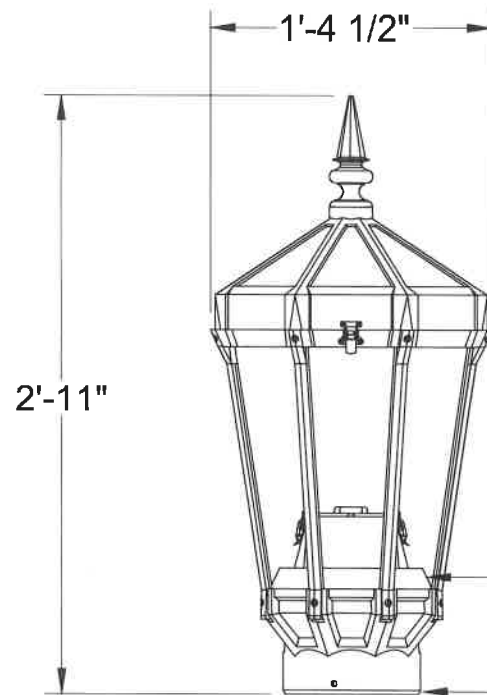
GC = Gray Powder Coat

** = Specify Finish



EPA Notes:

Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2009 AASHTO LTS-5 using a 25 year design life. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight may reduce the maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.




PRISMATIC ACRYLIC LENS

DRIVER COMPARTMENT

TO SLIP FIT 7" OD X 1-3/4" TALL TENON

A	ORIGINAL	11/11/24	
REV	REVISIONS	DATE	RVSD

TOLERANCES POLE : +/- 2" BANNER ARM SPACING : +/- 0.25" MOUNTING HT. FOR POLE ACCESSORIES : +/- 0.5"

DATE: 11/11/24	DRAWN: EH	CHECKED: -	CATALOG No:
DRAWING NO: SC50448	REVISION: A	PT-MS805BLED-7-12L40T3-MDL014-PA/BK	
		JOB NAME: VILLAGE OF LOMBARD	LOCATION: LOMBARD, IL



Luminaire Schedule							
Symbol	Qty	Label	Description	LLF	Luminaire Lumens	Luminaire Watts	Total Watts
	4	MCGRAW-EDISON GALN-SL2	GALN-SA1C-740-U-SL3-HSS	0.850	5885	57	228

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Parking Lot	Illuminance	Fc	0.72	3.8	0.0	N.A.	N.A.

Notes:

- Pole Heights = 20ft
- No obstructions included in calculations
Obstructions will affect footcandle levels
- Isoline values:
Blue Line = 0.5fc
Red Line = 0.2fc

LD LIGHTING DIGEST

The Lighting Digest
210 W. 20th Street
Chicago, IL 60616
(773) 511-4274
Email Address:
info@the-lightingdigest.com

Project:
Village of Lombard Parking Lot

Project No:
240222

Date:
11/13/2024

Drawn By:
Jeff Cascarelli

Scale:
1" = 15ft

Disclaimer:
The Lighting Digest is not responsible for the accuracy of the data and calculations provided in this report. The user of this report is responsible for the accuracy of the data and calculations provided in this report. The user of this report is responsible for the accuracy of the data and calculations provided in this report. The user of this report is responsible for the accuracy of the data and calculations provided in this report.