

VILLAGE OF HORTONVILLE
AGENDA OF THE VILLAGE BOARD
OCTOBER 3, 2024
6:00 P.M. Regular Board Meeting
Municipal Services Center Board/Court Room
531 N. Nash St., Hortonville, WI



1. Pledge of Allegiance
2. Call to Order by Presiding Officer
3. Roll Call
4. Agenda Changes [to change the position of an item already on the agenda]
5. Consent Agenda
 - A. September 19, 2024 Regular Board meeting minutes
 - B. September 19, 2024 COW meeting minutes
 - C. Presentation of accounts and other claims against the Village
6. Preregistered Citizens to be heard. – LIMIT 5 MINUTES
 - A. State name and address
 - B. Comments to be limited to 5 minutes
 - C. Pursuant to WI Statutes 19.83(2) and 19.84(2), The Board's role is to listen to public comments, and not to ask questions, discuss, or take action regarding pre-registered citizens comments.
7. Committee Reports
8. Unfinished Business from Previous Meetings
9. New Business
 - A. Discussion and possible action on Lights in Downtown
 - B. Discussion on SRO Police Vehicle and Potential Sale
 - C. Discussion and possible action on Camera and Mic for recording Village Board meetings
10. Report of Village Officials
 - A. Clerk-Treasurer
 - B. Director of Public Works
 - C. Police Chief
 - D. Library Director
 - E. Attorney
 - F. Administrator
 - G. Building Permit Report
 - H. Any other miscellaneous topics for future discussion
[Topics or questions for future agendas only – no discussion or answers, motion to schedule an item]
11. Communications and Miscellaneous Business
 - A. Black Otter Lake District news
 - B. Hortonville-Hortonia Fire District news
 - C. Gold Cross Ambulance run reports and news
 - D. Hortonville Civic Association
12. Comments and suggestions from citizens present

13. Adjournment

NEXT REGULAR VILLAGE BOARD MEETING: OCTOBER 17, 2024

Requests from persons with disabilities who need assistance to participate in this meeting should be made to the Village Administration Office at 779-6011 with as much advance notice as possible.

**VILLAGE OF HORTONVILLE
VILLAGE BOARD
SEPTEMBER 19, 2024 MEETING MINUTES
DRAFT – NOT APPROVED**

President Jeanne Bellile called the meeting to order at 6:00 p.m. in the Community Center at 531 N. Nash St., Hortonville, Wisconsin.

Trustees present: Grace Abitz, Bob Jewell, Shauna Keel, Jim Moeller, Jane Olk, and Julie Arendt Vanden Heuvel (by phone, lost connection at 6:08 pm, we called her back at 6:10 pm).

Trustees absent: None

Officials/Staff present: Administrator Nathan Treadwell, Clerk-Treasurer Jane Booth, Director of Public Works Aaron Steber, Chief of Police Kristine Brownson, and Attorney Ashley Lehocky.

Officials Excused: Library Director Alexandria Krause

Consent Agenda

Motion [Moeller/Olk] to approve as outlined with the correction changes. Roll call vote, 7 ayes, 0 nays, motion carried.

- A. September 5, 2024 Regular Board meeting minutes
- B. Presentation of accounts and other claims against the Village

Agenda Changes

None

Preregistered Citizens to be heard

None

Committee Reports

Library Board – Trustee Olk said that they met on August 27th. Allie, at our board meeting laid out everything that happened. She did send out the information of the duties of the Library Board and the duties of the Village Board. Our next meeting is October 1st at 4:00 pm.

Unfinished Business from previous meetings

None

New Business

Discussion and possible action on R-19-24 Amending Industrial Park Covenants

Administrator Treadwell said that this resolution was provided by our attorney and sent out by certified mail to the business owners in the Industrial Park. The Village's responsibilities in enforcing phase two, and voting and enforcing phase one.

Attorney Lehocky said that as far as the board is concerned acting on the resolution is something that if the board decides to move forward with it tonight, that would be your final order of business. It is really up to the property owners to ensure that the petition is circulated. That is not the Village's responsibility.

Motion [Moeller/Olk] to approve R-19-24 amending the Industrial Park Covenants.

Roll call vote, 7 ayes, 0 nays, motion carried.

Discussion and possible action on Speed Study on Nye Street

Administrator Treadwell said that this was in the packet. The Speed Study recommends that we have a higher speed limit. We did repaint the yellow lines and the lines for pedestrian and parking. The consensus from the board was that we leave it as is and if we need to change it in the future we can.

No action was taken.

Discussion and possible action on Nash Street Sewer Extension

Administrator Treadwell said this is for Terrace Manor – Don E. Parker Excavating, Inc. is the lowest bidder.

Motion [Moeller/Olk] to approve the contract for Parker in the amount of \$189,078.76 for the North Nash Street to Terrace Manor subdivision.

Roll call vote, 7 ayes, 0 nays, motion carried.

Discussion and possible action on EQ Flow Meter Replacement

DPW Director Steber said this has broken off the wall and has dropped into the tank. We need to get it replace. Todd from B&M is intimately familiar with our system. He will come in and replace it as well as educate our staff on how to deal with issues of it.

Motion [Moeller/Olk] to approve the bid from B&M Technical Services, Inc. in the amount of \$9,454.00 for the replacement of the defective 10" EQ Flow Meter.

Roll call vote, 7 ayes, 0 nays, motion carried.

Discussion and possible action on new lawnmower

DPW Director said that we have had multitudes of issues with our 2020 lawn mower. It has been in four times this year. The first time was for a wiring harness, the second time the starter went out, the third time the ignition switch went out and the fourth time was the alternator. According to the manufacturer, this is an issue with this type of mower. The wiring is so close to the engine that stuff shorts out a lot. So, the idea would be to replace that with the Renegade.

The idea would be to replace the mower with the Renegade 72" and we could get a credit for our old one in the amount of \$7,200.

Motion [Moeller/Olk] to approve the bid from Fox Valley Truck for the Bad Boy Renegade 72" mower in the amount of \$12,589.

Roll call vote, 7 ayes, 0 nays, motion carried.

Discussion and possible action on Administrator Review timeline and structure

Administrator Treadwell said that in the past the board filled out the review and then submitted it to the attorney. The consensus was to do that again this year.

Report of Village Officials

Clerk-Treasurer: The report is in the packet.

Director of Public Works: Mill Street and Alonzo projects kicked off and my time will be taken up with that.

Chief of Police: The report is in the packet.

Library Director: None

Attorney: None

Administrator: I sent out my weekly update on Monday. Busy week this week, I attended the Family Insurance Ribbon Cutting Ceremony, on Wednesday I attended a grant seminar. Budget numbers are being finalized.

Any other miscellaneous topics for future discussion

None

Communications and Miscellaneous Business

Black Otter Lake District news: Our next meeting is October 29th at 5:00 pm here.

Building permit report: The August report was submitted.

Hortonville-Hortonia Fire District news: Nothing

Gold Cross Ambulance run reports and news: The August run report was submitted.

Hortonville Civic Association: Nothing new

Senior Activities Committee: Minutes were in the packet from the last two meetings.

Comments and suggestions from citizens present

None

Adjournment

Motion [Moeller/Olk] to adjourn. Unanimous voice vote, motion carried. The Board adjourned at 6:30 p.m.

Minutes submitted by,

Jane Booth, WCMC
Village Clerk/Treasurer

**VILLAGE OF HORTONVILLE
COMMITTEE OF THE WHOLE
SEPTEMBER 19, 2024 MEETING MINUTES**

President Jeanne Bellile called the meeting to order at 5:30 p.m. in the Community Center at 531 N. Nash St., Hortonville, Wisconsin.

Trustees present: Grace Abitz, Bob Jewell, Jim Moeller (arrived at 5:44 pm), Jane Olk, Shauna Keel, Julie Arendt Vanden Heuvel (by phone)

Officials/Staff present: Administrator Nathan Treadwell, Clerk-Treasurer Jane Booth, Director of Public Works Aaron Steber, Chief of Police Kristine Brownson, and Attorney Ashley Lehocky.

Officials Excused: Library Director Alexandria Krause

2025 CAPITAL IMPROVEMENT PLAN

Administrator Treadwell said that there was a memo sent to all regarding the CIP for 2025, and it was on the website.

Mill and overlay by John Street, we can't patch it anymore. We do have to do an overlay on that. We will present this to our financial group and make sure they agree with our plans.

The splash pad grant was supposed to have additional funding according to the DNR but they were told by the federal government that the additional funding is only available for additional projects associated with the project and couldn't be used to bring this up to the 50% match.

Adjourn

Motion [Jewell/Abitz] to adjourn. Unanimous voice vote, motion carried. The Committee adjourned at 5: 5 4 p.m.

Minutes submitted by Jane Booth, WCMC
Clerk-Treasurer

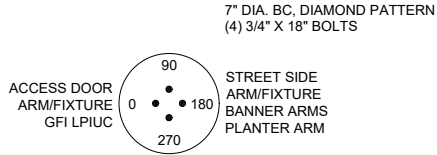
October 03, 2024 INVOICE LISTING**VILLAGE INVOICES****September 20, 2024- October 3, 2024**

092624	All World Ford	2025 Ford Inceptor SUV- PD	\$	46,968.50
42321/42334	Anderson Sod Farm	Sod to Repair Residents Yards	\$	120.00
9207795005-0924	AT&T	Phone Billing- September 2024	\$	35.49
481925	Be's Refreshments	Water- Office	\$	75.00
154533027	Black-Haak Heating Inc	System Balancing with Flow Hoods	\$	350.00
8187	Capital R Coatings Inc	Sidewalk Repair- Warner St/Curb Replacement- Crystal Springs	\$	7,674.00
49735090624	Charter Communications	Internet/Email- September 2024- PW/W/S	\$	125.24
TID4-2024	Commonwealth Development Corp	Developer Incentive- TID 4 Commonwealth	\$	17,975.89
77138	Corporate Network Solutions	Reset Civic & MiViewpoint	\$	75.00
5248	Degals Repair Shop LLC	Lawnmower Replacement Switch	\$	28.70
5396	Degals Repair Shop LLC	Stihl Pole Saw and Blade	\$	792.98
ACH	Delta Dental	Dental Insurance Premiums- October 2024	\$	1,254.73
ACH	EFTPS	Federal, FICA taxes for 09/26/2024 Payroll	\$	14,396.65
4623762	Employee Benefits Corporation	Health Reimbursement- September 2024	\$	544.85
4630303	Employee Benefits Corporation	Health Reimbursement- September 2024	\$	85.43
9-24	Gilbert's SENTRY Foods	Office Supplies- WWTP	\$	25.94
09/24	Harp, Margaret	Community Center Reimbursement- 9/21 Rental	\$	150.00
3214693	Hawkins Ash CPA's	For Professional Services through 9/24/24	\$	74.00
DPW-0824	Hortonville BP	DPW/Utility Fuel- August 2024	\$	1,077.40
WS924	Hortonville Water & Sewer Utility	Water/Sewer Billing 05/29/2024-08/29/2024	\$	255.72
4thQtr2024	Hortonville-Hortonia Fire District	4th Quarter Fire Budget Payment	\$	24,438.75
70422	Jeff's Water Conditioning	50 Gallon Natural Gas Water Heater	\$	3,583.00
09/24	Jentz, Stephanie	Community Center Reimbursement- 7/14 Rental	\$	150.00
357223	MCC Inc	Breaker Run to Fill Ditch Rutting	\$	1,087.79
H0004-09-23-00358.08	MCC Inc	Alley 3 Final Payment	\$	6,433.35
936504	McMahon	WPDES Permit Assistance	\$	1,740.00
2033135	Meat Block LLC	Burgers and Brats- Staff Oktoberfest	\$	146.56
6611	Menards	Supplies- Streets/Water/Sewer	\$	104.25
WI-274777	Metro Sales Inc	Contract Base Charge- August 2024	\$	152.88
ACH	Network Health	Total Health Premiums- October 2024	\$	13,206.60
6611-128094/6611-128309/66	O'Reilly Auto Parts	Ford F-250 Parts- PW	\$	85.19
100401682279	Otis Elevator Company	Opera House Maintenance- 10/1/24-12/30/24	\$	342.66
1020942	Outagamie County Treasurer	Engineering- Givens Rd/Engineering- CTH JJ/Signing	\$	1,271.35
1	Parkitecture	Alonzo Park Construction Administration	\$	1,792.00
9-24	Prochnow, Lauren	Mileage/Food Reimbursement- WMCA & Civic Symposium	\$	319.82
64778	Recycle That Stuff.Com	Recycling Event Fee	\$	485.00
1099	RG Inspections LLC	Commercial Electrical Project- Alonzo Park	\$	234.00
Clothing2024-2	Ringer, Mike	Clothing/Boot Allowance- 2024	\$	146.58
9/24	Rugotska, Shelly	2024 Municipal Court Clerk Seminar- Meal Reimbursement	\$	197.09
09/24	Schneider, Ann	Community Center Reimbursement- 9/15 Rental	\$	150.00
84229	Speedy Clean	Clean, Televis, and Locate Storm Lines- 407 N Olk St	\$	2,520.00
09/24	Treadwell, Nathan	Mileage Reimbursement- Grant Training	\$	93.13
9/24	Treadwell, Nathan	Mileage Reimbursement- FCEDC	\$	34.84
4281N7D6RM	Vanden Heuvel, Henry	Restitution Payment- J Damrau	\$	105.00
5163393543	WE Energies	Water/Sewer Electric/Gas- August 2024	\$	5,426.04
ACH	Wisconsin Deferred Comp	EE contributions 09/26/2024 Payroll	\$	656.00
ACH	Wisconsin, State of	State W/H for 09/26/2024 Payroll	\$	2,509.09
ACH	Wolf River Community Bank	Principle and Interest- WRCB CIP Loan #2842	\$	34,922.56
ACH	Wolf River Community Bank	Principle and Interest- WRCB Engineering Loan #2843	\$	4,606.16
221067	Wolfrath's Landscaping LLC	Topsoil for Repairs	\$	367.48
Invoice Total			\$	199,392.69
09/26/24 Direct Deposit P/R			\$	45,200.23
Grand Total			\$	244,592.92

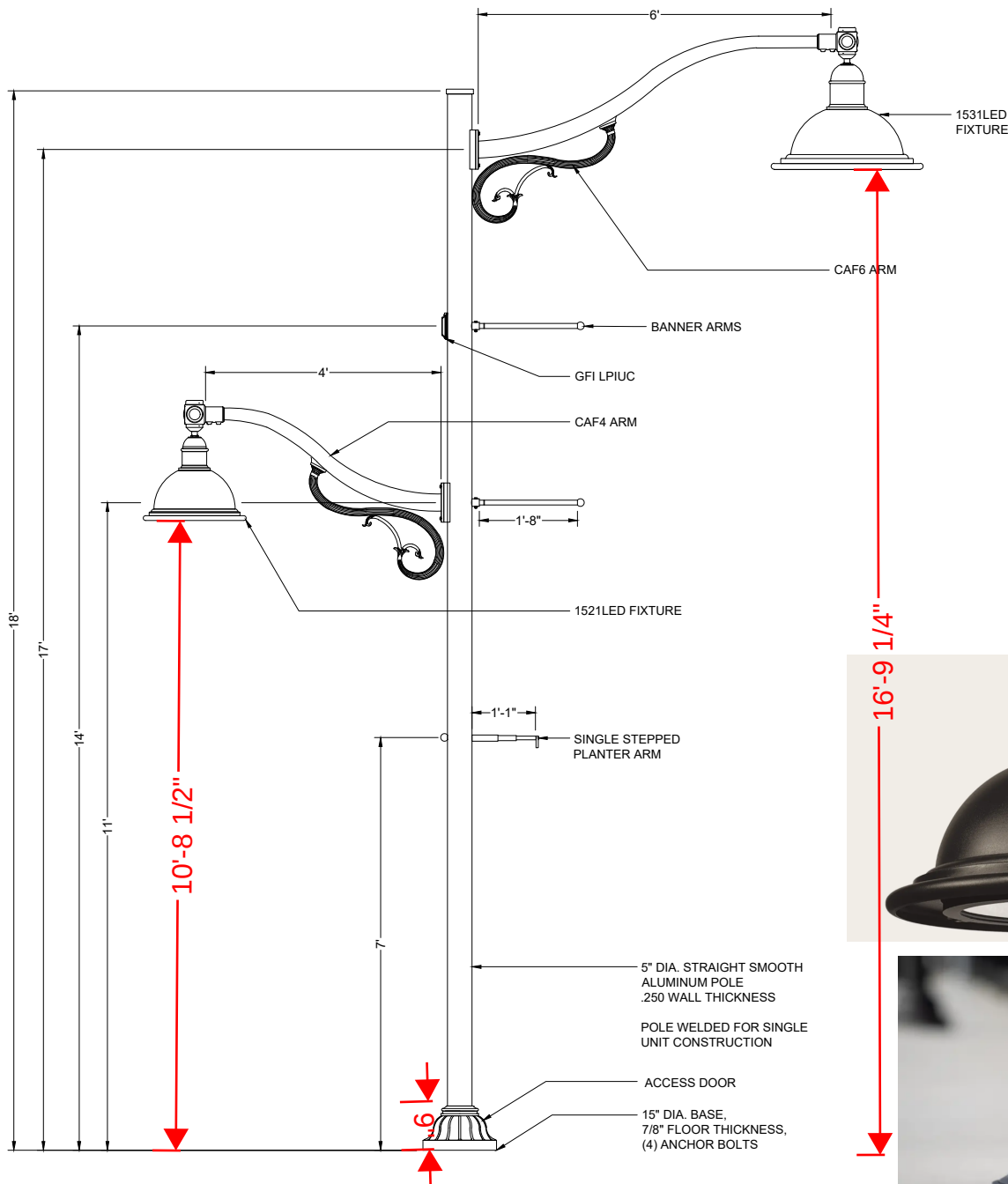
WATER & SEWER UTILITY INVOICES**September 20, 2024- October 3, 2024**

22434	Advantage Overhead Door LLC	Garage Door Repair- WWTP	\$	250.00
12023	B&M Technical Services	Repair Aeration Blower 1	\$	577.50
9009357849/9009353239	Clean Water Testing	Coliform Bacteria Test	\$	99.90
421576	Ferguson Waterworks	Curb Box Lid	\$	305.00
421638-1	Ferguson Waterworks	Type C Covers	\$	1,255.64
4930	Integrity Plumbing Services LLC	Repair Leaking Lines- WWTP	\$	876.37
27870	Martelle Water Treatment	Lab Materials- WWTP	\$	1,155.96
27912	Martelle Water Treatment	Lab Materials- WWTP	\$	777.60
INV00492410	USA Blue Book	Lab Supplies	\$	703.84
610449	Utility Service Co Inc	Water Tower Maintenance Contract	\$	20,155.41
Grand Total			\$	26,157.22

CONCEPTUAL DRAWING,
DESIGN SUBJECT TO CHANGE



ARMS MATCH
CHADBOURNE PROJECT



650 MILFORD POLE

16'-9 1/4"



		DATE: 9/26/24				DRAWN: EH	CHECKED: -	CATALOG No:
		DRAWING NO: SC49951				REVISION: B		
		JOB NAME: HORTONVILLE, WI				LOCATION: HORTONVILLE, WI		

**Sternberg**

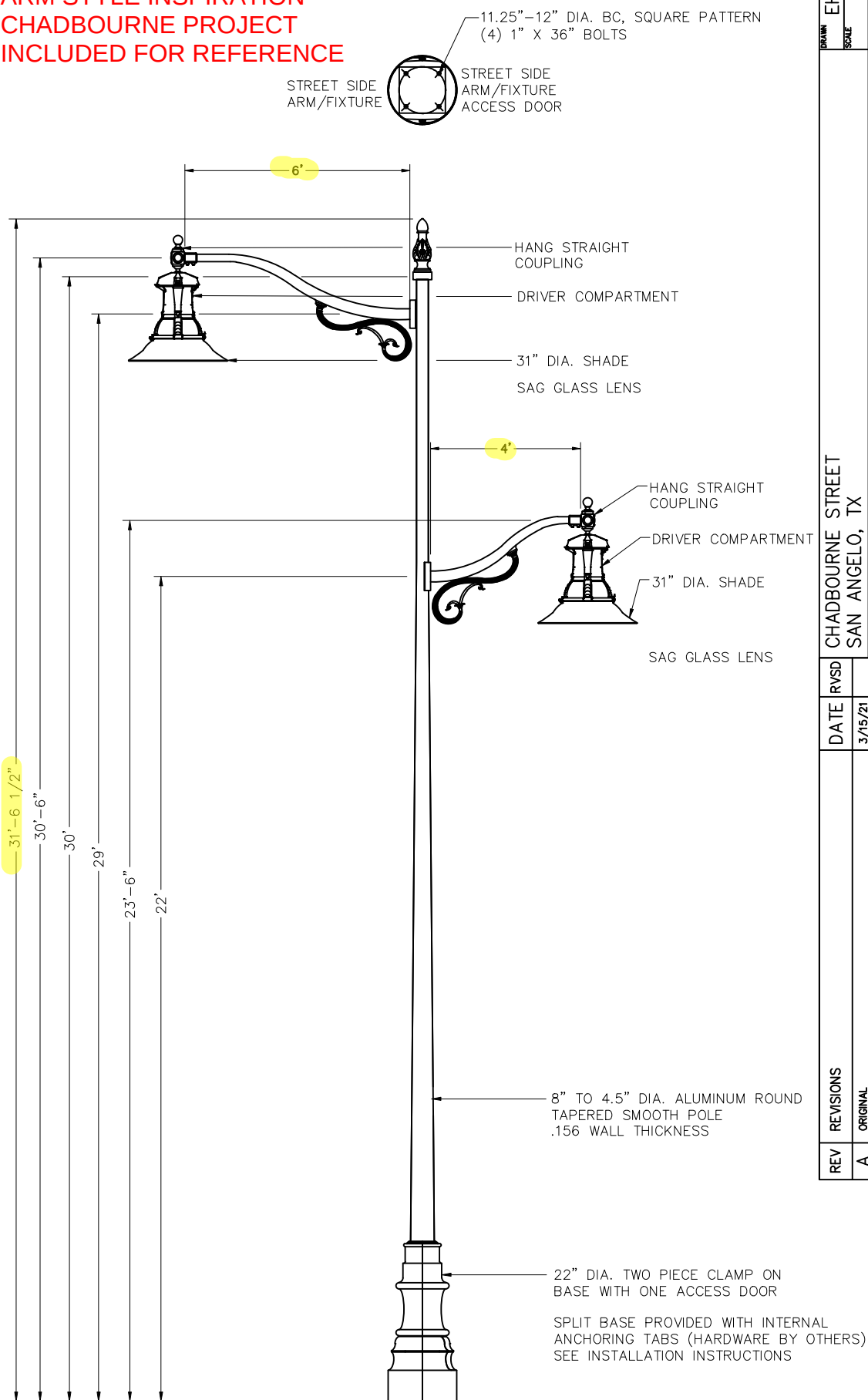
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9/26/24	EH	RVSD
9/18/24		
DATE		



POLE ACCESSORIES: +/- 0.5"

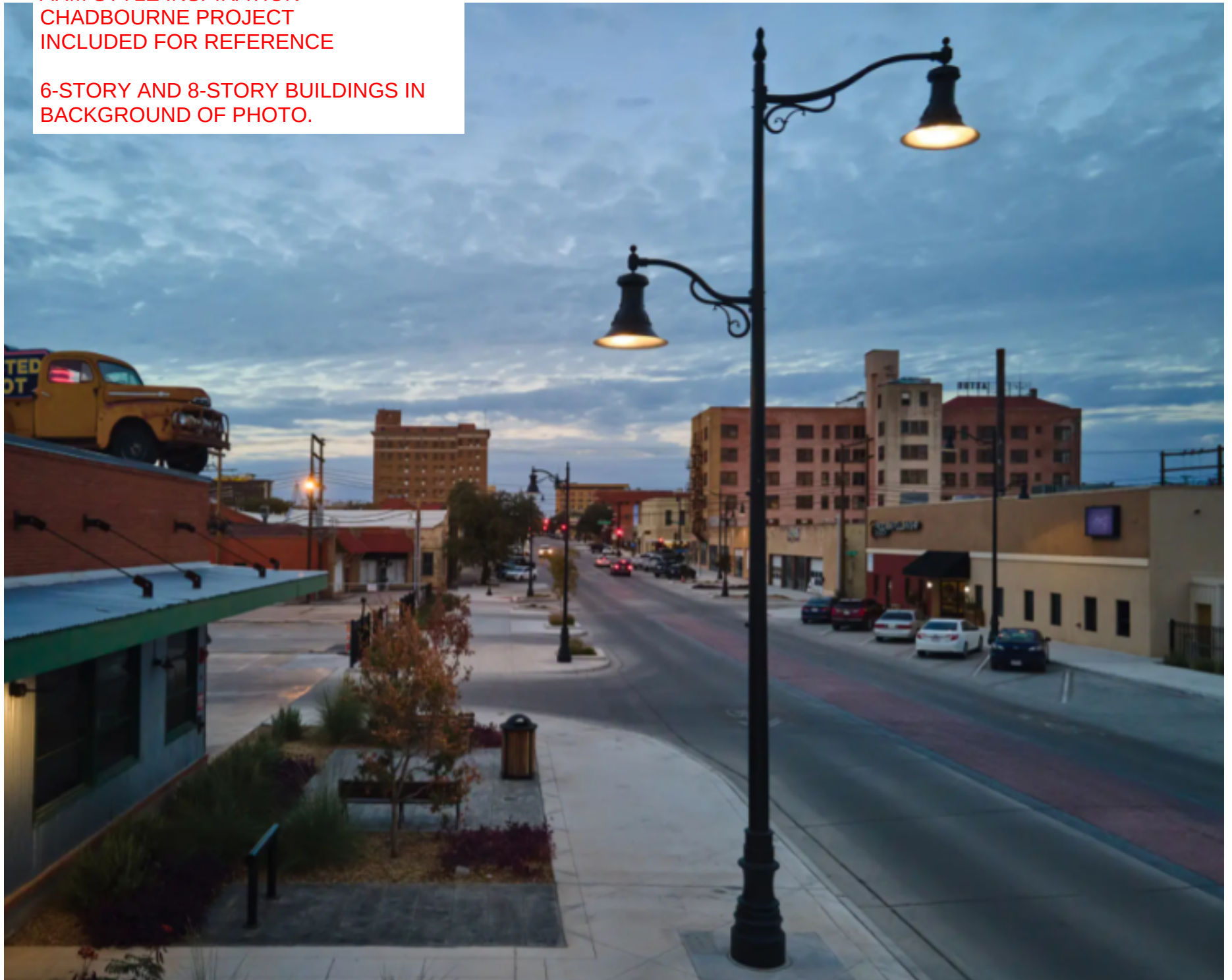
OPTION 1
ARM STYLE INSPIRATION
CHADBOURNE PROJECT
INCLUDED FOR REFERENCE



	REV	REVISIONS		DATE	RVS#	CHADBOURNE STREET SAN ANGELO, TX	DRAWN EH
	A	ORIGINAL		3/15/21		1A-1914LED-RLM731-SG-1L27T3-MDL12-HSHB/CAF6/1AM-1914LED-RLM731 -SG-1L27T2-MDL06-HSHB/CAF4/2230ARTS/RDBP/BKT	SCALE
						SternbergLighting ESTABLISHED 1973 / EMPLOYEES	DRAWING NUMBER SC38324

OPTION 1
ARM STYLE INSPIRATION
CHADBOURNE PROJECT
INCLUDED FOR REFERENCE

6-STORY AND 8-STORY BUILDINGS IN
BACKGROUND OF PHOTO.



HEIGHT COMPARISON PHOTO
EGG HARBOR - EXISTING 14 FOOT POLES.
INCLUDED FOR REFERENCE

2-STORY BUILDINGS MAX.
46 FEET WIDE

WE ARE REPLACING THE EXISTING 14 FOOT POLES (METAL
HALIDE LIGHTS) WITH 16 FOOT POLES (LED LIGHTING) AS
PART OF THE CURRENT HWY 42 PROJECT.



HORTONVILLE - MAIN STREET
EXISTING LIGHTS
INCLUDED FOR REFERENCE

2-STORY BUILDINGS MAX.
45' WIDE

WE COULD GO UP TO 22 FOOT POLES AND STILL
LOOK TO SCALE WITH THE WIDTH OF THE STREET
AND HEIGHTS OF THE BUILDINGS.



650 MILFORD SERIES

SPECIFICATIONS

GENERAL

The ____ ft tall* decorative post shall be aluminum, one-piece construction. The 15" diameter cast aluminum fluted base shall be constructed with a ____ inch diameter aluminum shaft. The model shall be Sternberg Lighting #650 or #650R for candy cane poles. The pole shall be U.L. or E.T.L. listed in U.S. and Canada.

CONSTRUCTION

The base shall be designed with a low profile bell shaped and fluted base and be made of heavy wall, 356 alloy cast aluminum. It shall have a 7/8" thick floor cast as an integral part of the base. The shaft shall be double circumferentially welded internally and externally to the base for added strength.

____ The **smooth tapered shaft** shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.

____ The **straight smooth shaft** shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.

____ The **straight fluted shaft** shall be made of ASTM 6061 extruded aluminum and tempered to a T6 condition. It shall have a decorative fluted 3" O.D. tenon.

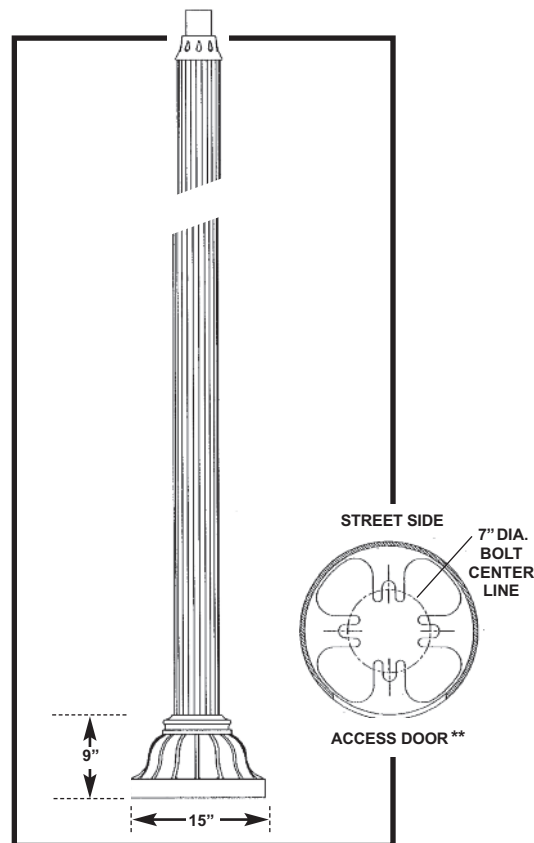
____ The **tapered fluted shaft** shall be made of heavy wall, 356 alloy cast aluminum.

____ The **tapered octagonal shaft** (not shown) shall be made of heavy wall, 356 alloy cast aluminum.

INSTALLATION

Four 3/4" diameter, hot-dipped galvanized "L" type anchor bolts shall be provided with the post for anchorage. A door shall be provided for wiring and anchor bolt access. It shall be secured with tamper proof, stainless steel hardware. Post will be provided with a grounding stud mounted on the base floor opposite the access door.

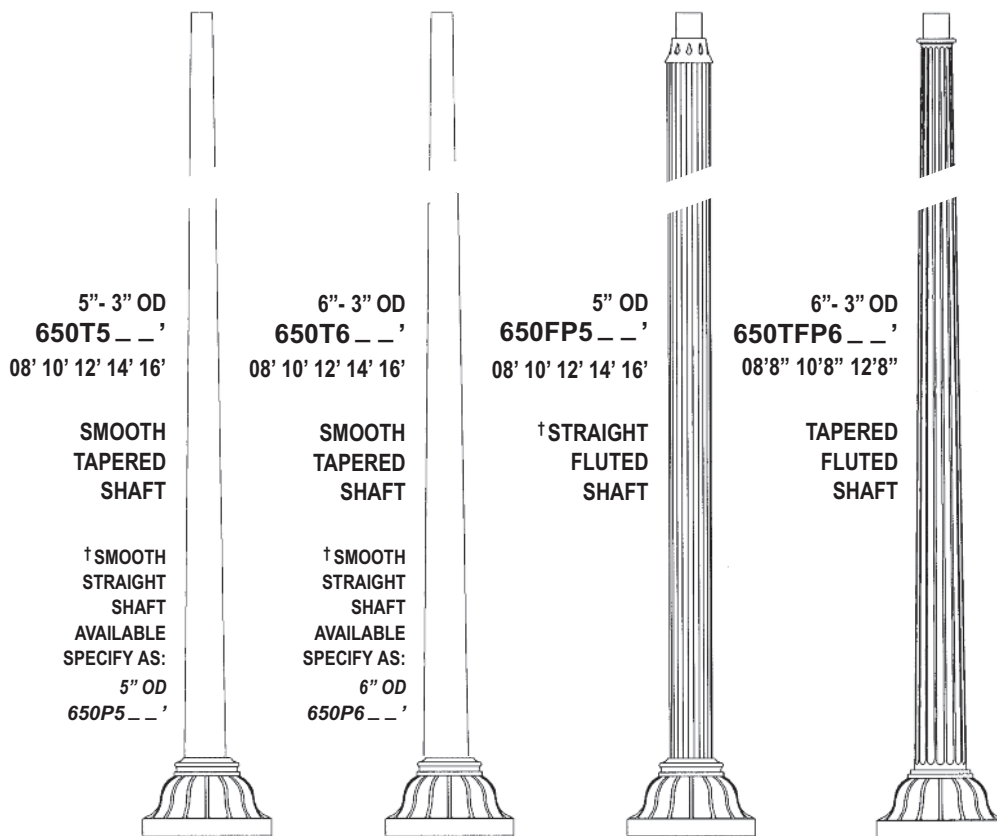
Indicate the type of shaft needed (above)



** See installation template for exact door position. Bolt circle dimensions may change on taller poles.

Cast Aluminum-Extruded Poles

15" Diameter Base x 9" High



* For candy cane poles insert ____ AG ft (feet - above grade height). See diagram on reverse side.

† Tenon not supplied if fixture or arm slips 5" O.D.

650 MILFORD SERIES

POSTS / OPTIONS / POST CAPS

BUILDING A PART NUMBER

Straight Poles

MODEL / SHAFT / HEIGHT	POST CAP CENTER	OPTIONS	FINISH
650 FP5 12	BCC	FH	BK

Part Number Selections

MODEL	HEIGHT	SHAFT†
• 650	• 08'	• T5: 5"-3" Tapered Smooth
	• 09'	• T6: 6"-3" Tapered Smooth
	• 10'	• P5: 5" Straight Smooth
	• 11'	• P6: 6" Straight Smooth
	• 12'	• FP5: 5" Straight Fluted
	• 13'	• TFP6: 6"-3" Tapered Fluted*
	• 14'	
	• 16'	

*Available in 9' (8'8"), 11' (10'8"), 13' (12' 8")

OPTIONS AVAILABLE

• GFI	• HB Helix	• PA478
• FH	• Burial	• PCD
• SBA	• DBA	• SH
• DB	• SBAR	• SB
• Direct	• DSPA	• WHK
• Burial	• DHPA	

†See first page for height restriction.

Candy Cane Poles

MODEL / SHAFT	HEIGHT ABOVE GRADE	OPTIONS	FINISH
650 RT5	12 AG		BK

Part Number Selections

MODEL	SHAFT†	ABOVE GRADE
• 650	• RT5: 5"-3" Tapered Smooth	• 08' AG
	• RT6: 6"-3" Tapered Smooth	• 10' AG
	• RP5: 5" Straight Smooth	• 11' AG
	• RP6: 6" Straight Smooth	• 12' AG
	• RFP5: 5" Straight Fluted	• 13' AG
	• RTFP6: 6"-3" Tapered Fluted*	• 14' AG
		• 15' AG
		• 16' AG

*Available in 11', 13', 15' AG

POST CENTER CAP (If Required)

• BCC
• FCC
• SCC
• TFCC

STANDARD FINISHES*

• BKT	Black Textured
• WHT	White Textured
• PGT	Park Green Textured
• ABZT	Architectural Medium Bronze Textured
• DBT	Dark Bronze Textured

*Smooth Finishes are available upon request

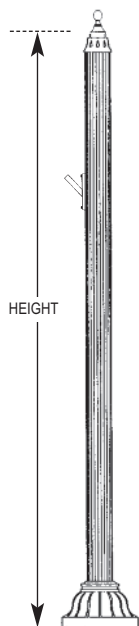
CUSTOM FINISHES

• OI	Old Iron
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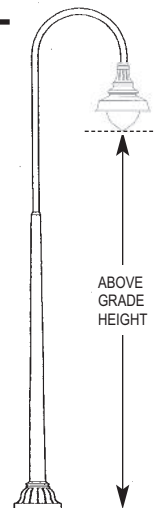
• RT	Rust
• WBR	Weathered Brown
• CD	Cedar
• WBK	Weathered Black
• TT	Two Tone

STERNBERG SELECT FINISHES

• VG	Verde Green
• SI	Swedish Iron
• OWGT	Old World Gray Textured



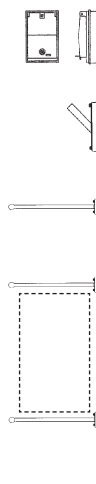
T5 - 5"-3" T6 - 6"-3" TOP6 - 6"-3"



ABOVE GRADE HEIGHT

OPTIONS AVAILABLE

See Accessories Section for more options and information

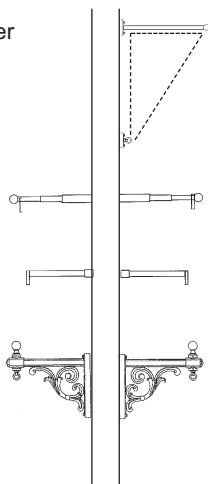


GFI - Ground Fault Interrupter mounts in the pole

FH - Flag Pole Holder mounts on the pole

SBA - Single Banner Arm mounts on the pole

DBA - Double Banner Arms mount on same side of the pole

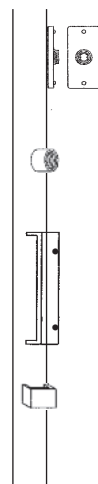


SBAR-Single Banner Arm and Ring

DSPA-Double Stepped Planter Arms mount on either side

DHPA-Double Hooked Planter Arms mount on either side

PA478-Decorative Planter Arms with planter rings



PCD - Photo Control mounts on door on pole

SH - Speaker Hub for mounting speaker, floodlight or signal

SB - Sign Bracket mounts on pole to hold signs

WHK - Wreath Hook mounts on pole to hold decorations

POST CENTER CAPS (If Required)



BCC - Ball Center Cap



SCC - Spiked Center Cap



FCC - Finial Center Cap



TFCC - Tall Finial Center Cap



SSCC-Side Spiked Center Cap



SternbergLighting
ESTABLISHED 1923 / EMPLOYEE OWNED

555 Lawrence Ave. Roselle, IL 60172 • 847-588-3400 • Fax 847-588-3440
www.sternberglighting.com Email: info@sternberglighting.com

5200 BARRINGTON POLE



	TOLERANCES	POLE : +/- 2"	BANNER ARM SPACING : +/- 0.25"	MOUNTING HT. FOR POLE ACCESSORIES : +/- 0.5"
		3/24		
	TE		RVSD	

DATE:	9/19/24	DRAWN:	EH	CHECKED:	-
DRAWING NO:		SC49952			
REVISION:		A			

DATE:	DRAWN:	CHECKED:	CATALOG No:
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1A-1531LED-R-24L30T -MDL-FG-HSHN/CSA4/1A-1521LED-R-16L30T -
MDL-FG-EZ/480-D-H-N-PMR/5218P5- 250-PCC-GFI LPIUC-BDBA6-
SSPA/STD

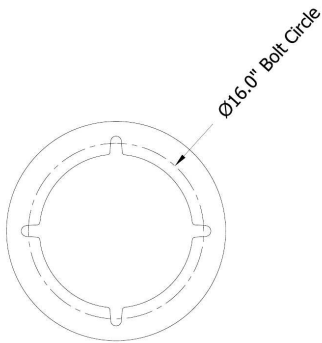
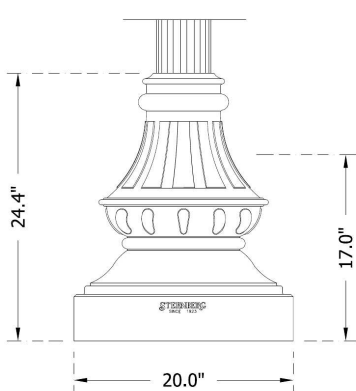
JOB NAME:	HORTONVILLE, WI	LOCATION:	HORTONVILLE, WI
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Project Name

Qty

Type

Catalog / Part Number



ACCESS DOOR

5 Year Warranty

Description



The 5200 Barrington pole is constructed and shipped as 1 piece assembly to keep the base and shaft true and plumb for the life of the product. This classic design can be used with a variety of luminaires and arms.

Shafts

5"

Round
Straight
Smooth

6"

Round
Straight
Smooth

5"

Round
Straight
Fluted

6"

Round
Straight
Fluted

5"-3"

Tapered
Smooth

5"-4"

Tapered
Smooth

6"-3"

Tapered
Smooth

6"-4"

Tapered
Smooth

6"-3"

Cast
Tapered
Fluted

6"

Extruded
Tapered
Fluted,
.14" taper
rate

Physical

Base Model	5200 Barrington Pole	
Height (in feet)	8', 10', 12', 14', 16', 18', 20', 22', 24', 26', 28'	
Shafts	P5: 5" Round Straight Smooth P6: 6" Round Straight Smooth FP5: 5" Round Straight Fluted FP6: 6" Round Straight Fluted T5: 5"-3" Tapered Smooth T54: 5"-4" Tapered Smooth T6: 6"-3" Tapered Smooth T64: 6"-4" Tapered Smooth TFP6: 6"-3" Cast Tapered Fluted ETFP6: 6" Extruded Tapered Fluted, .14" taper rate	
Wall Thickness	.125: 1/8" Wall Thickness .250: 1/4" Wall Thickness	.188: 3/16" Wall Thickness C: Cast Shaft, Varied Wall Thickness
Optional Post Center Cap	BCC: Ball Center Cap SCC: Spike Center Cap SSCC: Side Spike Center Cap	FCC: Finial Center Cap TFCC: Tall Finial Center Cap RCC: Round Center Cap PCC: Plate Center Cap, Flat
Optional Burial	DB4: Direct Burial mounting style pole, with 4' direct burial section (or advise other length) HXB: HXB - Helix Base mounting style pole	
Optional Vibration Damper	VD: Internal Vibration Damper	

Finish



Black
Textured



White
Textured



Park
Green
Textured



Arch
Medium
Bronze
Textured



Dark
Bronze
Textured



Verde
Green



Swedish
Iron



Old
World
Gray
Textured



Old
Iron



Rust



Weathered Cedar
Brown



Weathered
Black



Two
Tone



Custom
Match

Certifications



Optional Receptacle	GFI LPIUC: 120V, 15 Amp Duplex GFCI receptacles with a low-profile in-use cover USB LPIUC: 120V, 15 Amp Duplex USB/ Receptacle combo with a low-profile in-use cover (NON-GFCI) GFI IUC: 120V, 15 Amp Duplex GFCI receptacles with a standard in-use cover GFI IB: 120V, 15 Amp duplex GFCI receptacle in pole base, includes mouse hole on door for wire access DPL-LPIUC-GFB: 120V duplex (NON-GFI) receptacle, low-profile in-use cover, Remote Ground Fault Breaker In pole base
Optional Flag Pole Holder	FH: Cast Aluminum flag holder mount, for use with 1" diameter flag pole
Optional Banner Arms	SBA: Single Banner Arm, "PM" style mount DBA: Double Banner Arms, "PM" style mount SBAR: Single Banner Arm and Ring, for triangle banners, "PM" style mount HSBA: Single Banner Arm, HUB mount style mount HDBA: Double Banner Arms, HUB mount style mount BDBA6: Double Banner Arms, Break-Away style, to break with 60MPH wind gust BDBA9: Double Banner Arms, Break-Away style, to break with 90MPH wind gust C5SBA: Single Banner Arm, Clamp-Style mount, for straight 5" diameter poles C52BA: Two Banner Arms at 180°, Clamp-Style mount, for straight 5" diameter poles
Banner Width (If Applicable)	18W: 20" Long Banner arm 24W: 26" Long Banner arm 30W: 32" Long Banner arm 36W: 38" Long Banner arm CSTM: Custom Sized Banner setup
Break-Away Banner Size (If Applicable)	18x36: 20" Long Banner arm, 36" tall center to center 18x72: 20" Long Banner arm, 72" tall center to center 24x48: 26" Long Banner arm, 48" tall center to center 30x36: 32" Long Banner arm, 36" tall center to center 24x60: 26" Long Banner arm, 60" tall center to center CSTM: Custom Sized Banner setup
Optional Planter Arms	DHPA: Double Hooked Planter Arm SHPA: Single Hooked Planter Arm DSPA: Double Stepped Planter Arm SSPA: Single Stepped Planter Arm PA478: Cast aluminum decorative planter arm
Optional Drip Irrigation	DIS: Drip Irrigation System
Optional Sign Arms	SA78: Small cast aluminum decorative sign arm, with 24" long channel for blade sign by others SA478: Large cast aluminum decorative sign arm, with 24" long channel for blade sign by others SABA: Banner arm style sign arm, with 24" long channel for blade sign by others

Optional Speaker Hub	SH0.5: Speaker Hub Coupling, 1/2"-1.4 NPS SH0.75: Speaker Hub Coupling, 3/4"-1.4 NPS SH1.0: Speaker Hub Coupling, 1"-1.5 NPS SH1.5: Speaker Hub Coupling, 1-1/2"-1.5 NPS SH2.0: Speaker Hub Coupling, 2"-1.5 NPS
Optional Sign Bracket	SB: Sign Bracket, vertically mounted on pole shaft
Optional Steel Wreath Hook	WHK: Steel Wreath Hook
Finish	BKT: Black Textured WHT: White Textured PGT: Park Green Textured ABZT: Arch Medium Bronze Textured DBT: Dark Bronze Textured VG: Verde Green SI: Swedish Iron OWGT: Old World Gray Textured OI: Old Iron RT: Rust WBR: Weathered Brown CD: Cedar WBK: Weathered Black TT: Two Tone CM: Custom Match

Electrical and control

Optional Photocell	PCD: Electronic Button Photocontrol, mounted on an access door (120V-277V) PCD4: Electronic Button Photocontrol, mounted on an access door (480V)
Optional Motion Sensor In Arm	MSA-RND-L3: Motion Sensor, For Round shaft, L3 Sensor Lens (40' diameter coverage at 20' MH) MSA-RND-L7: Motion Sensor, For Round shaft, L7 Sensor Lens (50' diameter coverage at 20' MH)

How to Order

Base Model	Height (in feet)	Shafts	Wall Thickness	Optional Post Center Cap	Optional Burial	Optional Vibration Damper (8)	Optional Photocell	Optional Receptacle	Optional Motion Sensor In Arm (9)	Optional Flag Pole Holder
52 5200 Barrington Pole	08FT 8'	P5 5" Round Straight Smooth (1)	.125 1/8" Wall Thickness	BCC Ball Center Cap	DB4 Direct Burial mounting style pole, with 4' direct burial section (or advise other length) (7)	VD Internal Vibration Damper	PCD Electronic Button Photocontrol, mounted on an access door (120V-277V)	GFI LPIUC 120V, 15 Amp Duplex GFCI receptacles with a low- profile in-use cover	MSA-RND-L3 Motion Sensor, For Round shaft, L3 Sensor Lens (40' diameter coverage at 20' MH)	FH Cast Aluminum flag holder mount, for use with 1" diameter flag pole
	10FT 10'	P6 6" Round Straight Smooth (1)	.188 3/16" Wall Thickness	FCC Finial Center Cap						
	12FT 12'		.250 1/4" Wall Thickness	SCC Spike Center Cap	HXB HXB - Helix Base mounting style pole		PCD4 Electronic Button Photocontrol, mounted on an access door (480V)	USB LPIUC 120V, 15 Amp Duplex USB/ Receptacle combo with a low-profile in- use cover (NON-GFCI)	MSA-RND-L7 Motion Sensor, For Round shaft, L7 Sensor Lens (50' diameter coverage at 20' MH)	
	14FT 14'	FP5 5" Round Straight Fluted (1)	C Cast Shaft, Varied Wall Thickness (6)	TFCC Tall Finial Center Cap						
	16FT 16'			SSCC Side Spike Center Cap						
	18FT 18'	FP6 6" Round Straight Fluted (2)		RCC Round Center Cap				GFI IUC 120V, 15 Amp Duplex GFCI receptacles with a standard in-use cover		
	20FT 20'	T5 5"-3" Tapered Smooth		PCC Plate Center Cap, Flat				GFI IB 120V, 15 Amp duplex GFCI receptacle in pole base, includes mouse hole on door for wire access		
	22FT 22'	T54 5"-4" Tapered Smooth						DPL-LPIUC-GFB 120V duplex (NON-GFI) receptacle, low-profile in- use cover, Remote Ground Fault Breaker in pole base		
	24FT 24'	T6 6"-3" Tapered Smooth								
	26FT 26'	T64 6"-4" Tapered Smooth								
	28FT 28'	TFP6 6"-3" Cast Tapered Fluted (3)								
		ETFP6 6" Extruded Tapered Fluted, .14" taper rate (4) (5)								

Notes:

1. Not available in .125 wall.

2. Only available in .250 wall.

3. Heights limited to 10', 12' & 14' for TFP shaft

4. 20' Max Height.

5. Not available in .125 wall.

6. For cast "TFP" shafts only.

7. 24' Max Height

8. Required on pole heights 26' and taller.

9. Available on 3" or 4" ROUND SHAFT only.

How to Order

Optional Banner Arms	Banner Width (If Applicable) ⁽¹⁰⁾ ⁽¹¹⁾ ⁽¹²⁾	Break-Away Banner Size (If Applicable) ⁽¹²⁾ ⁽¹³⁾	Optional Planter Arms	Optional Drip Irrigation ⁽¹⁴⁾	Optional Sign Arms	Optional Speaker Hub	Optional Sign Bracket ⁽¹⁵⁾	Optional Sign Bracket (Length in inches) ⁽¹⁶⁾	Optional Steel Wreath Hook	Finish
SBA Single Banner Arm, "PM" style mount DBA Double Banner Arms, "PM" style mount SBAR Single Banner Arm and Ring, for triangle banners, "PM" style mount HSBA Single Banner Arm, HUB mount style mount HDBA Double Banner Arms, HUB mount style mount BDBA6 Double Banner Arms, Break-Away style, to break with 60MPH wind gust BDBA9 Double Banner Arms, Break-Away style, to break with 90MPH wind gust CSSBA Single Banner Arm, Clamp-Style mount, for straight 5" diameter poles C52BA Two Banner Arms at 180°, Clamp-Style mount, for straight 5" diameter poles	18W 20" Long Banner arm 24W 26" Long Banner arm 30W 32" Long Banner arm 36W 38" Long Banner arm CSTM Custom Sized Banner setup	18x36 20" Long Banner arm, 36" tall center to center 18x72 20" Long Banner arm, 72" tall center to center 24x48 26" Long Banner arm, 48" tall center to center 30x36 32" Long Banner arm, 36" tall center to center 24x60 26" Long Banner arm, 60" tall center to center CSTM Custom Sized Banner setup	DHPA Double Hooked Planter Arm SHPA Single Hooked Planter Arm DSPA Double Stepped Planter Arm SSPA Single Stepped Planter Arm PA478 Cast aluminum decorative planter arm	DIS Drip Irrigation System	SA78 Small cast aluminum decorative sign arm, with 24" long channel for blade sign by others SA478 Large cast aluminum decorative sign arm, with 24" long channel for blade sign by others SABA Banner arm style sign arm, with 24" long channel for blade sign by others	SH0.5 Speaker Hub Coupling, 1/2"-14 NPS SH0.75 Speaker Hub Coupling, 3/4"-14 NPS SH1.0 Speaker Hub Coupling, 1"-11.5 NPS SH1.5 Speaker Hub Coupling, 1-1/2"-11.5 NPS SH2.0 Speaker Hub Coupling, 2"-11.5 NPS	SB Sign Bracket, vertically mounted on pole shaft		WHK Steel Wreath Hook	BKT Black Textured ⁽¹⁷⁾ WHT White Textured ⁽¹⁷⁾ PGT Park Green Textured ⁽¹⁷⁾ ABZT Arch Medium Bronze Textured ⁽¹⁷⁾ DBT Dark Bronze Textured ⁽¹⁷⁾ VG Verde Green SI Swedish Iron OWGT Old World Gray Textured OI Old Iron ⁽¹⁸⁾ RT Rust ⁽¹⁸⁾ WBR Weathered Brown ⁽¹⁸⁾ CD Cedar ⁽¹⁸⁾ WBK Weathered Black ⁽¹⁸⁾ TT Two Tone ⁽¹⁸⁾ CM Custom Match ⁽¹⁸⁾

Notes:

10. Only required if a NON-Break Away style banner arm is selected

11. Height to be advised (CONSULT EPA CHART)

12. Banner width should be 2" smaller than the banner arm, so an 18" wide banner is assumed to be used with a 20" long arm. Banners by Others.

13. Only required if a Break-Away style banner arm is selected

14. Requires planter arm

15. Advise Length in next field.

16. Bracket should be 2 inches shorter than the sign/frame.

17. Smooth finishes are available upon request.

18. Custom colors require upcharge.

Specifications	
Construction	The base shall be made of heavy wall, 356 alloy cast aluminum. It shall have a 1" thick floor cast as an integral part of the one piece base. The high tensile aluminum shaft shall be double circumferentially welded internally and externally to the base for added strength.
Access Door	Cast aluminum access door integral to base. Includes stainless steel allen head hardware for attachment to base.
Tenon	Standard tenon size to be 3" OD x 3" tall. Consult the Sales Department for additional sizes.
Straight Smooth Shaft - Round	The straight round shaft shall be made of ASTM 6061 extruded aluminum and tempered to a T6 condition.
Straight Fluted Shaft	The straight fluted shaft will have a 12 Flat Flute profile and shall be made of ASTM 6061 extruded aluminum and tempered to a T6 condition.
Tapered Smooth Shaft	The tapered smooth shaft shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.
Tapered Fluted Shaft	The tapered fluted shaft will have a 16 Flat Flute profile and shall be made of heavy wall 356 alloy cast aluminum
Extruded Tapered Fluted Shaft	The extruded tapered fluted shaft will have a 16 Flat Flute profile shall be made of ASTM 6063 extruded aluminum that is tapered into shape and tempered to a T4 condition. Shaft tapers at .14" per linear foot.
Installation	Four 3/4" diameter, hot-dipped galvanized "L" type anchor bolts shall be provided with the post for anchorage, they shall be mounted in a 16" bolt circle, Diamond pattern. A door shall be provided for wiring and anchor bolt access. It shall be secured with stainless steel hardware. Post will be provided with a grounding stud mounted on the base floor opposite the access door. (OPTIONAL): 4' direct burial portion of pole shaft extending below pole base. Includes "Slipping" base style which has set screws at the neck to tighten the base down to the pole shaft. Includes anti-rotational rod and (2) wireway holes on direct burial portion.
Hardware	Includes Stainless steel hardware. Most finishes will include hardware with a Black Oxide conversion coating. Light finishes will get non-color coated hardware (Whites and Silvers)
Receptacle	Optional 120V duplex 15A GFI (GFI LPIUC) or NON-GFI/5A USB combo duplex receptacle (USB LPIUC) installed in proprietary "Low-Profile" box with a lockable In-Use cover (lock not included). Optional 120V duplex 15A GFI duplex receptacle (GFI IB) is installed in the decorative pole base with no cover. The access door includes a mouse hole for wire access. Optional 120V duplex (NON-GFI) receptacle (DPL) is installed in proprietary "Low-Profile" box (LPIUC) with a lockable In-Use cover (lock not included). A Ground Fault Breaker (GFB) is installed in the decorative pole base for easy reset access. Optional 120V duplex 15A GFI duplex receptacle installed in standard J-box with a lockable In-Use cover (lock not included).
Photocontrols	Button Photocell (On Plate): Optional photocontrol shall be mounted on a plate and installed on the pole shaft. The electronic button type photocontrol is instant on with a 5-10 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles.
Drip Irrigation System	Optional concealed irrigation system efficiently waters flora in hanging baskets. The system includes 1" PVC pipe, 1/4" OD clear flexible tubing and a cord grip. The PVC acts as a conduit to separate the water from the power. The 1/4" tubing carries water from the supply line to the flora. The cord grip seals the system, stopping rainwater and debris from entering the pole. This low-maintenance feature can help reduce upkeep costs and conserve water. Plants, planter baskets and water supply system are by others.

Motion Sensor	The optional passive infra-red (PIR) sensor allows for autonomous management of each luminaire's light levels based on activity within the coverage area. Fully programmable for the specific needs of the site, including an integral photocell for dusk to dawn on/off control. Sensor mounted in 10" long rectangular aluminum arm, available for square and round poles shafts. Offered with 2 optional FSP-Lx lenses. L3 – 40' diameter coverage at 20' MH L2 – 50' diameter coverage at 20' MH Lenses include a WHITE frame with USLT, USL, UWHT, UWH finishes. All other finishes include BLACK frame on lens. Enables compliance with Title 24 for luminaires without integral dimming control.
Banner Arm(s)	"PM" style banner arms use a cast aluminum mount welded to the pole shaft. The removable banner arm includes a flange that attaches to cast mount via 2 stainless steel hex head bolts and a removable cast aluminum ball cap. 1/2" pipe (.84" OD) is used for banner arm lengths up to and including 20" long. 3/4" pipe (1.05" OD) is used for banner arm lengths 21" to 30" •The actual banner width should be 2" smaller than the attachment arm , so an 18" wide banner is assumed to be used with a 20" long arm. All Banners by Others (SBA) - Single Banner Arm (DBA) - Double Banner Arm (SBAR) - Single Banner Arm and Ring "HUB" style banner arms use an aluminum female coupling welded to the pole shaft. The removable banner arm includes a nut and bolt for a "cotter pin" style attachment to hub and a removable cast aluminum ball cap. 3/4" pipe (1.05" OD) is used for banner arm lengths up to and including 30" long. 1" pipe (1.315" OD) is used for banner arm lengths 31" to 38" •The actual banner width should be 2" smaller than the attachment arm , so an 18" wide banner is assumed to be used with a 20" long arm. All Banners by Others (HSBA) - Hub Style Single Banner Arm (HDBA) - Hub Style Double Banner Arm "CLAMP" style banner arms include a decorative 2-piece cast aluminum pole shaft attachment clamp with stainless steel hardware and a removable cast aluminum ball cap. 3/4" pipe (1.05" OD) is used for all sizes. •The actual banner width should be 2" smaller than the attachment arm , so an 18" wide banner is assumed to be used with a 20" long arm. All Banners by Others •They are for use on 4" (C4) or 5" (C5) straight shafts only. (C_SBA) - Single Clamp-Style banner arm, (1) Clamp and (1) Banner arm (C_2BA) - Double Clamp-Style banner arms, (1) Clamp and (2) Banner arms @ 180 degrees "BREAK-AWAY" style banner arms use an aluminum female coupling welded to the pole shaft. The removable banner arm includes a nut and bolt for a "cotter pin" style attachment to hub and a removable cast aluminum ball cap. Engineered with a 60MPH maintained break speed (BDBA6), or a 90MPH maintained break speed (BDBA9). Includes an air-craft cable to hold broken section after incident. 3/4" pipe (1.05" OD) is used for 60 MPH break speed (BDBA6). 1" pipe (1.315" OD) is used for 90 MPH break speed (BDBA9) •The actual banner width should be 2" smaller than the attachment arm , so an 18" wide banner is assumed to be used with a 20" long arm. All Banners by Others •This style is offered in standard sized, consult factory for custom sizes •Standard sizes include: 20"x36", 20"x72", 26"x48", 32"x36", 26"x60" (BDBA6) - Break-Away Style Double Banner Arm, 60MPH break speed (BDBA9) - Break-Away Style Double Banner Arm, 90MPH break speed
Vibration Damper	OPTIONAL Internal canister style vibration damper comes pre-installed from the factory and can help limit pole vibrations. REQUIRED on pole heights 26' and taller.
Finish	Our 6 Stage Polyester Powder coat paint system offers a beautiful high-end finish that holds up to even the most extreme environments. Each part is inspected for quality and consistency before being released for shipment. Our system exceeds AAMA 2604, AAMA 2605, ASTM D523 and ASTM D4214 requirements.

Traditional Finish	Traditional paint finishes are available in Sternberg Lighting's Traditional product line. A range of colors help accent the decorative elements on the product. Finishes are available in textured or smooth. Available finishes include: Black, White, Park Green, Architectural Medium Bronze and Dark Bronze
Sternberg Select Finish	The Sternberg Select antique-inspired palette adds a touch of vintage elegance to modern applications. Old World Gray Textured is a 1 part powder coat with metallic flakes. Verde Green and Swedish Iron is a 2 part finish that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time.
Custom Finish	Custom finishes are offered to adapt to any application. Rust, Weathered Brown and Cedar are special 1 part powder coat finishes with a distinctive look. Old Iron and Weathered Black are 2 part finishes that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time. Two-Tone and Custom Match options are available to blend sternberg product with the site, consult factory for more information.
UL Listing	UL listed per UL1598 for the US and Canada.
Warranty	5-year limited warranty (See Website for Terms and Conditions)

Post Caps



Flower Center Cap (FCC)



Ball Center Cap (BCC)



Spike Center Cap (SCC)



Side Spiked Center Cap (SSCC)



Tall Finial Center Cap (TFCC)



Plate Center Cap, Round Flat (PCC)



Round Center Cap (RCC)

Options



Button Photocell On Door (PCD)



Double Banner Arms (DBA)



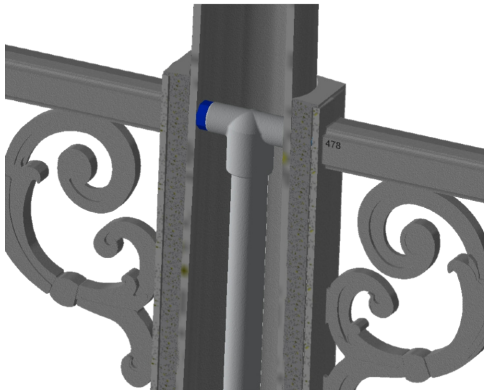
Single Banner Arm and Ring (SBAR)



Hub Style Banner Arm, Single Arm (HSBA)



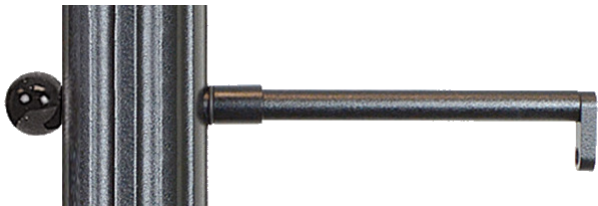
Break-Away Banner Arm Detail (BDBA6 & BDBA9)



Drip Irrigation System (DIS)



Double Hooked Planter Arm **(DHPA)**



Single Hooked Planter Arm **(SHPA)**



Double Stepped Planter Arm **(DSPA)**



Single Stepped Planter Arm **(SSPA)**



Speaker Hub **(SH_)**



Sign Bracket **(SB)**



Wreath Hook **(WHK)**



Motion Sensor in Arm **(MSA)**



Low-Profile In-Use Cover
(GFI LPIUC/USB LPIUC)



Standard In-Use Cover (GFI IUC)



Flag Holder (FH)
(For 1" diameter poles)



Sign Arm Banner Arm (SABA) (24" Channel)



Sign Arm, "78" style (SA78) (24" Channel)



Decorative Planter Arm, "478" style (PA478)



Clamp on Banner Arm, Two arms @ 180° (C_2BA)



Clamp on Banner Arm, One arm (C_SBA)



15A Ground Fault Interrupter, in base (GFI IB)



15A Ground Fault Breaker, in base (GFB)

EPA Chart(s)

EPA Chart Based on AASHTO 2009 - EPA values expressed in square feet - Consult factory for other heights

Pole Height	90 MPH	100 MPH	110 MPH	120 MPH	130 MPH	140 MPH	150 MPH
(T5) - Tapered Smooth Shaft, 5"-3" - .125 Wall Thickness							
8	8.50	6.75	5.53	4.60	3.89	3.32	2.87
10	6.12	4.78	3.89	3.21	2.69	2.28	1.96
12	4.51	3.44	2.76	2.25	1.86	1.56	1.32
14	3.31	2.43	1.91	1.52	1.23	1.01	0.83
16	2.35	1.61	1.22	0.94	0.72	0.56	
(T5) - Tapered Smooth Shaft, 5"-3" - .188 Wall Thickness							
10	9.41	7.45	6.09	5.06	4.27	3.64	3.14
12	7.20	5.62	4.56	3.77	3.15	2.67	2.29
14	5.58	4.27	3.43	2.80	2.32	1.95	1.65
16	4.33	3.21	2.54	2.04	1.67	1.37	1.14
18	3.30	2.34	1.81	1.42	1.12	0.89	0.72
(T5) - Tapered Smooth Shaft, 5"-3" - .250 Wall Thickness							
12	9.64	7.59	6.19	5.14	4.32	3.68	3.17
14	7.65	5.94	4.81	3.97	3.31	2.80	2.39
16	6.12	4.66	3.74	3.05	2.52	2.11	1.79
18	4.88	3.62	2.86	2.30	1.88	1.55	1.29
20	3.84	2.74	2.12	1.67	1.33	1.06	0.86
(T6) - Tapered Smooth Shaft, 6"-3" - .125 Wall Thickness							
12	7.18	5.72	4.65	3.84	3.22	2.73	2.34
14	5.54	4.37	3.52	2.88	2.39	2.01	1.70
16	4.26	3.32	2.63	2.12	1.74	1.44	1.20
18	3.21	2.45	1.90	1.50	1.19	0.96	0.78
20	2.33	1.71	1.28	0.96	0.73	0.55	
(T6) - Tapered Smooth Shaft, 6"-3" - .188 Wall Thickness							
14	8.93	7.12	5.79	4.79	4.02	3.41	2.92
16	7.20	5.69	4.60	3.78	3.14	2.65	2.26
18	5.80	4.55	3.64	2.96	2.44	2.03	1.71
20	4.64	3.59	2.83	2.27	1.84	1.51	1.25
22	3.65	2.77	2.14	1.67	1.32	1.05	0.84
(T6) - Tapered Smooth Shaft, 6"-3" - .250 Wall Thickness							
18	8.19	6.48	5.23	4.30	3.58	3.02	2.57
20	6.78	5.32	4.26	3.47	2.86	2.39	2.01
22	5.58	4.33	3.43	2.76	2.25	1.85	1.54
24	4.54	3.47	2.70	2.14	1.71	1.38	1.12
26	3.62	2.71	2.06	1.58	1.23	0.95	0.74
(P5) - Straight Smooth Shaft, 5" - .188 Wall Thickness							
10	16.69	13.44	11.05	9.23	7.82	6.71	5.82
12	13.15	10.55	8.65	7.20	6.09	5.20	4.50
14	10.61	8.48	6.92	5.74	4.83	4.11	3.54
16	8.67	6.89	5.59	4.61	3.86	3.27	2.80
18	7.12	5.62	4.53	3.71	3.08	2.59	2.19
(P5) - Straight Smooth Shaft, 5" - .250 Wall Thickness							
12	17.27	13.89	11.40	9.52	8.06	6.91	5.98
14	14.09	11.30	9.25	7.70	6.50	5.55	4.79
16	11.69	9.34	7.61	6.31	5.31	4.52	3.88
18	9.78	7.78	6.31	5.20	4.35	3.69	3.15
20	8.22	6.49	5.24	4.29	3.57	3.00	2.55

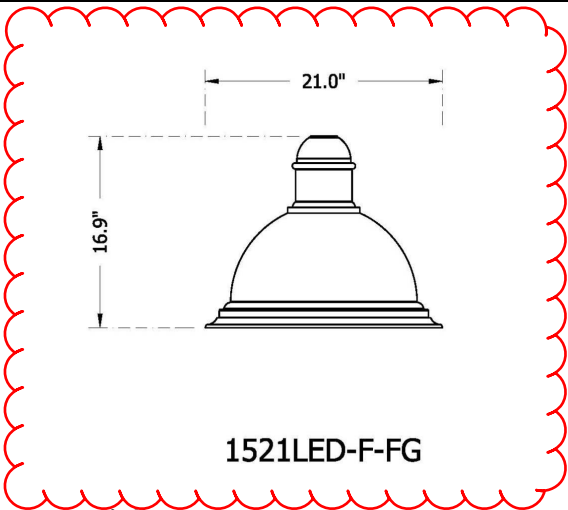
Pole Height	90 MPH	100 MPH	110 MPH	120 MPH	130 MPH	140 MPH	150 MPH
(P6) - Straight Smooth Shaft, 6" - .188 Wall Thickness							
18	11.69	9.33	7.60	6.29	5.25	4.33	3.59
20	9.95	7.91	6.41	5.28	4.38	3.56	2.89
22	8.50	6.71	5.41	4.43	3.64	2.90	2.29
24	7.25	5.68	4.55	3.70	3.00	2.32	1.77
26	6.16	4.78	3.79	3.05	2.44	1.81	1.31
(P6) - Straight Smooth Shaft, 6" - .250 Wall Thickness							
20	13.55	10.82	8.82	7.31	6.11	5.04	4.19
22	11.76	9.35	7.59	6.26	5.20	4.24	3.47
24	10.23	8.09	6.54	5.37	4.43	3.55	2.84
26	8.90	7.00	5.62	4.59	3.75	2.94	2.29
28	7.73	6.04	4.81	3.90	3.15	2.40	1.80
(FP5) - Straight Fluted Shaft, 5" - .188 Wall Thickness							
14	10.00	7.64	5.89	4.56	3.53	2.71	2.05
16	7.96	5.92	4.41	3.26	2.36	1.65	1.08
18	6.32	4.52	3.18	2.17	1.38	0.75	
20	4.95	3.33	2.14	1.23	0.52		
22	3.76	2.30	1.22				
(FP5) - Straight Fluted Shaft, 5" - .250 Wall Thickness							
16	10.99	8.37	6.43	4.95	3.81	2.90	2.16
18	8.99	6.68	4.97	3.67	2.65	1.85	1.20
20	7.33	5.26	3.73	2.57	1.66	0.95	
22	5.92	4.05	2.66	1.61	0.79		
24	4.69	2.98	1.71	0.75			
(FP6) - Straight Fluted Shaft, 6" - .250 Wall Thickness							
20	11.81	8.76	6.50	4.78	3.44	2.38	1.52
22	9.83	7.07	5.02	3.47	2.26	1.30	0.52
24	8.11	5.59	3.72	2.30	1.20		
26	6.60	4.28	2.56	1.26			
28	5.24	3.10	1.51				

Project Name

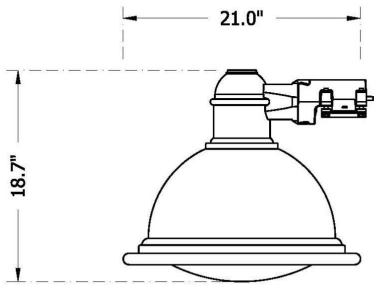
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Type

Catalog / Part Number



1521LED-F-FG



1521LEDSM-R-SG

Distribution Type	Description		
Type 2 Type 3 Type 4 Type 5	The 1521LED Omega™ is a decorative and energy efficient downlight fixtures with a spun aluminum bell styled dome. The luminaire has a gasketed hinged door for tool-less driver and LED access. Offered in a variety of mounting configurations, wattages, CCT's and distribution types makes this product the premier option for any Urban, Roadway or Area-Light application. EPA: .72 (ft²) WEIGHT: 27 LBS		
CCT - Color Temp (K) 2,700K 3,000K 3,500K 4,000K 5,000K	Features <table><tr><td> Mounting Configuration 1W: Wall Mount 2A: 2 Arm Mount @ 180° 3A: 3 Arms @ 120° 4A: 4 Arms @ 90° 2AM: 2 Arm Mid-Mount @180° CAT: Catenary </td><td> 1A: 1 Arm Mount 2A90: 2 Arm Mount @ 90° 3A90: 3 Arms @ 90° 1AM: 1 Arm Mid-Mount SH44: Stem Hung CH44: Chain Hung </td></tr></table>	Mounting Configuration 1W: Wall Mount 2A: 2 Arm Mount @ 180° 3A: 3 Arms @ 120° 4A: 4 Arms @ 90° 2AM: 2 Arm Mid-Mount @180° CAT: Catenary	1A: 1 Arm Mount 2A90: 2 Arm Mount @ 90° 3A90: 3 Arms @ 90° 1AM: 1 Arm Mid-Mount SH44: Stem Hung CH44: Chain Hung
Mounting Configuration 1W: Wall Mount 2A: 2 Arm Mount @ 180° 3A: 3 Arms @ 120° 4A: 4 Arms @ 90° 2AM: 2 Arm Mid-Mount @180° CAT: Catenary	1A: 1 Arm Mount 2A90: 2 Arm Mount @ 90° 3A90: 3 Arms @ 90° 1AM: 1 Arm Mid-Mount SH44: Stem Hung CH44: Chain Hung		
7 Year Warranty 7			
IP Rating IP 65	Optional Control Receptacle R7: 7-Pin control receptacle only Optional Control PE: Twist-Lock Photocontrol (120V-277V) PE4: Twist-Lock Photocontrol (347V-480V) SC: Shorting Cap PEC: Electronic Button Photocontrol (120V-277V) PEC4: Electronic Button Photocontrol (480V) Optional Fuse FHD: Double Fuse and Holder Optional Hangstraight HSBS: Standard Horizontal Hangstraight, Spike Finial HSHN: Standard Horizontal Hangstraight, No Finial HSHB: Standard Horizontal Hangstraight, Ball Finial EZ: Vertical Hangstraight, Large, "EZ" Mount Optional House Side Shield BLOC: Back Light Optical Control Optional Fixed Dimming Resistor Board FDRB: Fixed Dimming Resistor Board		

Physical

Fixture	1521LED: 21" Omega, Top Mount 1521LEDSM: 21" Omega, Side Mount	
Shade Style	R: Round Edge	F: Flared Edge
Lens	FG: Flat Glass SG: Sag Glass FSG: Frosted Sag Glass SV1: Flat Soft Vue Light Diffused Acrylic SV2: Flat Soft Vue Moderate Diffused Acrylic SV4: Flat Soft Vue Maximum Diffused Acrylic	
Finish	BKT: Black Textured WHT: White Textured PGT: Park Green Textured ABZT: Architectural Medium Bronze Textured DBT: Dark Bronze Textured VG: Verde Green SI: Swedish Iron OWGT: Old World Gray Textured UGMT: Urban Gun Metal Textured UGM: Urban Gun Metal Matte UBT: Urban Bronze Textured UB: Urban Bronze Matte USLT: Urban Silver Textured USL: Urban Silver Matte UWHT: Urban White Textured UWH: Urban White Matte OI: Old Iron RT: Rust WBR: Weathered Brown CD: Cedar WBK: Weathered Black TT: Two Tone CM: Custom Match	

Light Source

LED	12L: 12 LEDs 24L: 24 LEDs	16L: 16 LEDs
CCT - Color Temp (K)	27: 2,700K 35: 3,500K 50: 5,000K	30: 3,000K 40: 4,000K
Distribution Type	T2: Type 2 T4: Type 4	T3: Type 3 T5: Type 5

Electrical and control

Driver	MDL018: 120V-277V, 180mA MDH018: 347V-480V, 180mA MDL014: 120V-277V, 140mA MDH014: 347V-480V, 140mA MDL008: 120V-277V, 80mA MDH008: 347V-480V, 80mA
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Specifications

Hang-Straight	A hang-straight transition is required for most hanging mounting configurations. The Standard (HSX) is a cast aluminum ball and swivel horizontal hang-straight. Available with a spike (S), a ball (B), or no finial (N). The hang-straight slips a 4" long by 2-3/8" OD horizontal tenon. The (EZ) is a cast stainless steel ball and swivel vertical hang-straight. The special 2-part design allows for easy installation. It is factory installed under an arm and on the fixture.
Side Mount Adapter	An optional "Side Mount" luminaire is available. The cast aluminum "Side Mount" option includes stainless steel hardware and slip fits a 4" long by 2-3/8" OD horizontal tenon.
Catenary Mount	The Catenary mount option includes a cast aluminum span wire clamp, which accommodates cables 1/4"-5/8" in diameter. Below the clamp is a decorative cast aluminum wire box and cover which transitions to the EZ vertical Hangstraight for fixture attachment. Aircraft Cable by others.
Hardware	Includes Stainless steel hardware. Most finishes will include hardware with a Black Oxide conversion coating. Light finishes will get non-color coated hardware (Whites and Silvers)
Lens	Optional SoftVue™ lens provides optimal visual comfort. Uses a .125" thick acrylic lens. Offered with Soft Vue Medium Diffused Acrylic (SV1), Soft Vue Heavy Diffused Acrylic (SV2) or Soft Vue Maximum Diffused Acrylic (SV4). Also available with .188" thick glass lens. Flat Glass (FG), Sag Glass (SG) or Frosted Sag Glass (FSG)
Serviceability	Tool-less access to the driver compartment allows for trouble free servicing of the LED Driver and Surge Suppressor. Easy access to service the lens in the field.
UL Listing	UL listed per UL1598 and CSA 22.2 No. 250.0 for the United States and Canada. Suitable for Wet Locations.
Electronic Driver	The LED driver is UL recognized and will be securely mounted inside the fixture, for optimized performance and longevity. It will be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections for fixture installation and maintenance. It will have DC voltage output and be a constant current design. It runs at 50/60HZ and will have overload, overheat, and short circuit protection. It will be supplied with a supplemental line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It will be a high efficiency driver with a THD less than 20% and a high-power factor greater than .9. It will be dimming capable using a 0-10V signal, consult factory for more information.
NightSky® Friendly	Dark sky compliant optics with a U0 BUG rating for specific configurations.
IP Rating	IP65 rated
Finish	Our 6 Stage Polyester Powder coat paint system offers a beautiful high-end finish that holds up to even the most extreme environments. Each part is inspected for quality and consistency before being released for shipment. Our system exceeds AAMA 2604, AAMA 2605, ASTM D523 and ASTM D4214 requirements.
Traditional Finish	Traditional paint finishes are available in Sternberg Lighting's Traditional product line. A range of colors help accent the decorative elements on the product. Finishes are available in textured or smooth. Available finishes include: Black, White, Park Green, Architectural Medium Bronze and Dark Bronze
Urban Finish	The Urban finish palette was created to highlight a modern, elegant aesthetic. All finishes are a 1 part powder coat with metallic flakes for a superior appearance. Finishes are available in textured or matte. Available finishes include: Black Textured, Urban Gun Metal, Urban Bronze, Urban Silver and Urban White
Sternberg Select Finish	The Sternberg Select antique-inspired palette adds a touch of vintage elegance to modern applications. Old World Gray Textured is a 1 part powder coat with metallic flakes. Verde Green and Swedish Iron is a 2 part finish that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time.



Custom Finish	Custom finishes are offered to adapt to any application. Rust, Weathered Brown and Cedar are special 1 part powder coat finishes with a distinctive look. Old Iron and Weathered Black are 2 part finishes that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time. Two-Tone and Custom Match options are available to blend sternberg product with the site, consult factory for more information.
Warranty	7-year limited warranty. See Website for Terms and Conditions.
LEDs	The LED's in this system will be fully shielded in a direct downward position to maximize efficiency. The LEDs are mounted to maximize thermal transfer to the heat sink surface. The LEDs shall be 100% recyclable; not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. Lumen maintenance shall be determined in accordance with IESNA TM-21, based on LED manufacturer LM-80 test data of no less than 6,000 hours and in-situ testing of the luminaire by an NVLAP accredited Energy Efficient Lighting Products lab. The high-performance white LEDs will have a predicted lumen depreciation of approximately 100,000 hours with greater than 70% of initial output at 25°C. The high brightness, high-output white LEDs shall be 4000K nominal (2700K, 3000K, 3500K or 5000K optional) correlated color temperature (CCT) with a 70 (minimum) color rendering index (CRI). Consult factory for custom CCT or CRI. The luminaire shall have a minimum _____ (see table) delivered initial lumens when operated at steady state with an average ambient temperature of 25°C (77°F). CCT Lumen Derate Values from 4,000K 2,700K (70+ CRI)=.92 3,000K (70+ CRI)=.95 3,500K (70+ CRI)=1.03 5,000K (70+ CRI)=1.00
Optics	The luminaire shall be provided with individual, refractor type optics applied to each LED. The luminaire shall provide Type ____ (2, 3, 4 or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.
Backlight Optical Control	BLOC Optic (BLOC): An optional "Back Light Optical Control" shield can be provided at the factory. This is an internal optic level "House Side Shield" offering significantly reduced backlight and glare while maintaining the original design aesthetics of the luminaire.
Fixed Dimming Resistor Board (FDRB)	Optional numbered 10-step selector switch allows for fine adjustment of the light levels in the field, repeatable from location to location. Offers dimming from 25% to 100% of the original output. Enclosure is composite material, sealed to protect components for the life of the product.
Photocontrols	Button Photocell: The photocontrol will be mounted on the fixture and pre-wired to driver. The electronic button type photocontrol is instant on and will turn on at 1.5 footcandles and will turn off at 2-3 footcandles. See pole spec sheet for pole mounted version. Twist-Lock Style (Hangstraight Mount): The photocontrol shall be mounted externally on the hangstraight and pre-wired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. If an R7 is specified alongside a BALL or SPIKE style finial on hang-straight, a decorative cap (with window) is included to cover a STANDARD photocell. Use the NO FINIAL hangstraight option if the R7 is for use with a WIRELESS CONTROLLER. Twist-Lock Style (Roof Mount): The photocontrol shall be mounted on the roof and prewired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turnoff at 2-3 footcandles. Photocontrol is 120-277 volt.

Lumen Chart(s)

Tested with FG lens

Model #	T2 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T3 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T4 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T5 DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
24L40T_-MDL014	10735	B2U0G2	122.0	10800	B2U0G2	122.7	9945	B2U0G2	113.0	11115	B3U0G1	126.3	88
24L30T_-MDL014	10235	B2U0G2	116.3	10295	B2U0G2	117.0	9480	B2U0G2	107.7	10600	B3U0G1	120.5	88
24L27T_-MDL014	9255	B2U0G2	105.2	9310	B2U0G2	105.8	8575	B2U0G2	97.4	9580	B3U0G1	108.9	88
16L40T_-MDL018	8880	B2U0G2	111.0	8900	B2U0G2	111.3	8285	B2U0G2	103.6	9230	B3U0G1	115.4	80
16L30T_-MDL018	8465	B2U0G2	105.8	8485	B2U0G2	106.1	7900	B2U0G2	98.8	8800	B3U0G1	110.0	80
16L27T_-MDL018	7655	B2U0G2	95.7	7670	B2U0G2	95.9	7140	B2U0G2	89.3	7955	B3U0G1	99.4	80
12L40T_-MDL018	6655	B1U0G1	110.9	6705	B1U0G1	111.8	6180	B1U0G1	103.0	6905	B3U0G1	115.1	60
12L30T_-MDL018	6345	B1U0G1	105.8	6395	B1U0G1	106.6	5890	B1U0G1	98.2	6585	B3U0G1	109.8	60
12L27T_-MDL018	5735	B1U0G1	95.6	5780	B1U0G1	96.3	5330	B1U0G1	88.8	5955	B3U0G1	99.3	60
12L40T_-MDL014	5430	B1U0G1	118.0	5465	B1U0G1	118.8	5030	B1U0G1	109.3	5665	B2U0G1	123.2	46
12L30T_-MDL014	5175	B1U0G1	112.5	5210	B1U0G1	113.3	4795	B1U0G1	104.2	5400	B2U0G1	117.4	46
12L27T_-MDL014	4680	B1U0G1	101.7	4710	B1U0G1	102.4	4335	B1U0G1	94.2	4885	B2U0G1	106.2	46
12L40T_-MDL008	3285	B1U0G1	121.7	3300	B1U0G1	122.2	3040	B1U0G1	112.6	3440	B2U0G0	127.4	27
12L30T_-MDL008	3130	B1U0G1	115.9	3145	B1U0G1	116.5	2900	B1U0G1	107.4	3280	B2U0G0	121.5	27
12L27T_-MDL008	2830	B1U0G1	104.8	2845	B1U0G1	105.4	2620	B1U0G1	97.0	2965	B2U0G0	109.8	27

Options

Button Photocell (**PEC or PEC4**)

7-Pin NEMA Twist-Lock Receptacle
(**R7**)

NEMA Twist-Lock Photocell (**PE or PE4**)

Double Fuse Holder & (2) 3A Fuses
(**FHD**)

Fixed Dimming Resistor Board (**FDRB**)

Hangstraight

Horizontal Hang-straight's slip fit 4" long by 2-3/8" OD on horizontal tenon



Standard Horizontal Hangstraight, Spike Finial (HSHS)



Standard Horizontal Hangstraight, Ball Finial (HSHB)

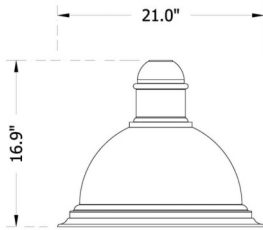


Standard Horizontal Hangstraight, No Finial (HSHN)

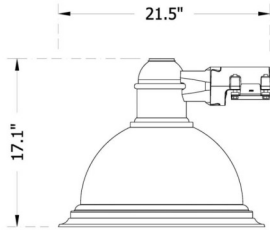


"EZ" Vertical hangstraight (EZ)

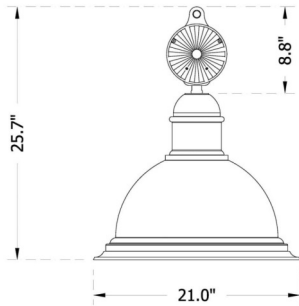
Dimensions



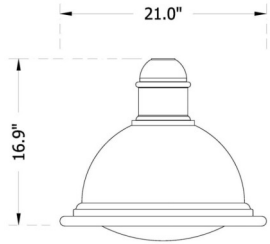
Top Mount, Flared Edge Shade, Flat Glass (1521LED-F-FG)



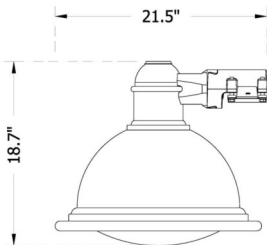
Side Mount, Flared Edge Shade, Flat Glass (1521LED-SM-F-FG)



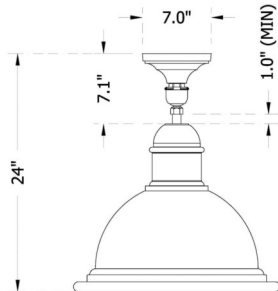
Catenary Mount (CAT)



Top Mount, Round Edge Shade, Sag Glass (1521LED-R-SG)



Side Mount, Round Edge Shade, Sag Glass (1521LED-SM-R-SG)



Stem Hung (SH44)



How to Order

Mounting Configuration	Overall Drop Length (In Inches) ^{(4) (5)}	Fixture	Shade Style	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens
1W Wall Mount		1521LED 21" Omega, Top Mount	R Round Edge	12L 12 LEDs	27 2,700K	T2 Type 2	MDL018 120V-277V, 180mA ⁽⁶⁾	FG Flat Glass
1A 1 Arm Mount		1521LEDSM 21" Omega, Side Mount	F Flared Edge	16L 16 LEDs	30 3,000K	T3 Type 3	MDH018 347V-480V, 180mA ⁽⁶⁾	SG Sag Glass
2A 2 Arm Mount @ 180°				24L 24 LEDs	35 3,500K	T4 Type 4	MDL014 120V-277V, 140mA ⁽⁷⁾	FSG Frosted Sag Glass
2A90 2 Arm Mount @ 90°					40 4,000K	T5 Type 5	MDH014 347V-480V, 140mA ⁽⁷⁾	SV1 Flat Soft Vue Light Diffused Acrylic
3A 3 Arms @ 120° ⁽¹⁾					50 5,000K		MDL008 120V-277V, 80mA ⁽⁸⁾	SV2 Flat Soft Vue Moderate Diffused Acrylic
3A90 3 Arms @ 90°							MDH008 347V-480V, 80mA ⁽⁸⁾	SV4 Flat Soft Vue Maximum Diffused Acrylic
4A 4 Arms @ 90°								
1AM 1 Arm Mid-Mount								
2AM 2 Arm Mid-Mount @180°								
SH44 Stem Hung ⁽²⁾								
CH44 Chain Hung ⁽²⁾								
CAT Catenary ^{(2) (3)}								

- Notes:
1. Only available with a round profile pole.

2. Not for use with Side Mount (SM) luminaire.

3. Requires EZ hang-straight.

4. Required field for Stem or Chain Mounting Configuration.

5. Minimum 24" Overall Drop Length.

6. 12L or 16L system only.

7. 12L or 24L system only.

8. 12L system only.

How to Order

Optional Control Receptacle ⁽⁹⁾ ⁽¹⁰⁾ ⁽¹¹⁾	Optional Control	Optional Fuse ⁽¹⁴⁾	Optional Hangstraight ⁽²⁾	Optional House Side Shield ⁽¹⁵⁾	Optional Fixed Dimming Resistor Board	Finish
R7 7-Pin control receptacle only	PE Twist-Lock Photocontrol (120V-277V) ⁽¹²⁾ PE4 Twist-Lock Photocontrol (347V-480V) ⁽¹²⁾ SC Shorting Cap ⁽¹²⁾ PEC Electronic Button Photocontrol (120V-277V) ⁽¹³⁾ PEC4 Electronic Button Photocontrol (480V) ⁽¹³⁾	FHD Double Fuse and Holder	HSHS Standard Horizontal Hangstraight, Spike Finial HSHN Standard Horizontal Hangstraight, No Finial HSHB Standard Horizontal Hangstraight, Ball Finial EZ Vertical Hangstraight, Large, "EZ" Mount ⁽¹³⁾	BLOC Back Light Optical Control	FDRB Fixed Dimming Resistor Board	BKT Black Textured ⁽¹⁶⁾ WHT White Textured ⁽¹⁶⁾ PGT Park Green Textured ⁽¹⁶⁾ ABZT Architectural Medium Bronze Textured ⁽¹⁶⁾ DBT Dark Bronze Textured ⁽¹⁶⁾ VG Verde Green SI Swedish Iron OWGT Old World Gray Textured UGMT Urban Gun Metal Textured UGM Urban Gun Metal Matte UBT Urban Bronze Textured UB Urban Bronze Matte USLT Urban Silver Textured USL Urban Silver Matte UWHT Urban White Textured UWH Urban White Matte OI Old Iron ⁽¹⁷⁾ RT Rust ⁽¹⁷⁾ WBR Weathered Brown ⁽¹⁷⁾ CD Cedar ⁽¹⁷⁾ WBK Weathered Black ⁽¹⁷⁾ TT Two Tone ⁽¹⁷⁾ CM Custom Match ⁽¹⁷⁾

Notes:

2. Not for use with Side Mount (SM) luminaire.

9. Not for use with FDRB.

10. See specifications section for more info on compatibility with wireless controllers

11. Not for use with STEM, CHAIN, CAT, or EZ mounting style.

12. Requires control receptacle.

13. Not for use with R7.

14. Ships loose for installation in base.

15. Not for use with TS optic.

16. Smooth finishes are available upon request.

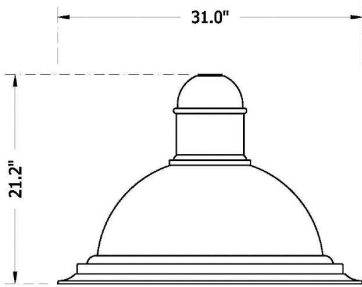
17. Custom colors require upcharge.

Project Name

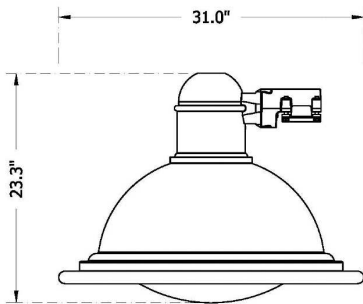
Qty

Type

Catalog / Part Number



1531LED-F-FG



1531LED-SM-R-SG

Distribution Type









Type 2

Type 3

Type 4

Type 5

CCT - Color Temp (K)











2,700K

3,000K

3,500K

4,000K

5,000K

7 Year Warranty



IP Rating



Certifications





Description

The 1531LED Omega™ is a decorative and energy efficient downlight fixtures with a spun aluminum bell styled dome. The luminaire has a gasketed hinged door for tool-less driver and LED access. Offered in a variety of mounting configurations, wattages, CCT's and distribution types makes this product the premier option for any Urban, Roadway or Area-Light application.

EPA: 1.16 (ft²)

WEIGHT: 50 LBS

Features

Mounting Configuration	1W: Wall Mount 2A: 2 Arm Mount @ 180° 3A: 3 Arms @ 120° 4A: 4 Arms @ 90° 2AM: 2 Arm Mid-Mount @180° CAT: Catenary	1A: 1 Arm Mount 2A90: 2 Arm Mount @ 90° 3A90: 3 Arms @ 90° 1AM: 1 Arm Mid-Mount SH44: Stem Hung CH44: Chain Hung
Optional Control Receptacle	R7: 7-Pin control receptacle only	
Optional Control	PE: Twist-Lock Photocontrol (120V-277V) PE4: Twist-Lock Photocontrol (347V-480V) SC: Shorting Cap PEC: Electronic Button Photocontrol (120V-277V) PEC4: Electronic Button Photocontrol (480V)	
Optional Fuse	FHD: Double Fuse and Holder	
Optional Hangstraight	HS HS: Standard Horizontal Hangstraight, Spike Finial SH SHN: Standard Horizontal Hangstraight, No Finial SH SHB: Standard Horizontal Hangstraight, Ball Finial HS SCB: Clamp Style Horizontal Hangstraight, Ball Finial HS SCS: Clamp Style Horizontal Hangstraight, Spike Finial HS SCN: Clamp Style Horizontal Hangstraight, No Finial EZ: Vertical Hangstraight, Large, "EZ" Mount	
Optional House Side Shield	BLOC: Back Light Optical Control	

Optional Fixed Dimming Resistor Board	FDRB: Fixed Dimming Resistor Board
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Physical

Fixture	1531LED: 31" Omega, Top Mount 1531LEDSM: 31" Omega, Side Mount
Shade Style	R: Round Edge F: Flared Edge
Lens	FG: Flat Glass SG: Sag Glass FSG: Frosted Sag Glass SV1: Flat Soft Vue Light Diffused Acrylic SV2: Flat Soft Vue Moderate Diffused Acrylic SV4: Flat Soft Vue Maximum Diffused Acrylic
Finish	BKT: Black Textured PGT: Park Green Textured DBT: Dark Bronze Textured SI: Swedish Iron UGMT: Urban Gun Metal Textured UBT: Urban Bronze Textured USLT: Urban Silver Textured UWHT: Urban White Textured OI: Old Iron WBK: Weathered Black WBR: Weathered Brown CM: Custom Match WHT: White Textured ABZT: Architectural Medium Bronze Textured VG: Verde Green OWGT: Old World Gray Textured UGM: Urban Gun Metal Matte UB: Urban Bronze Matte USL: Urban Silver Matte UWH: Urban White Matte RT: Rust CD: Cedar TT: Two Tone

Light Source

LED	24L: 24 LEDs 40L: 40 LEDs	32L: 32 LEDs
CCT - Color Temp (K)	27: 2,700K 35: 3,500K 50: 5,000K	30: 3,000K 40: 4,000K
Distribution Type	T2: Type 2 T4: Type 4	T3: Type 3 T5: Type 5

Electrical and control

Driver	MDL014: 120V-277V, 140mA MDL016: 120V-277V, 160mA MDL018: 120V-277V, 180mA	MDH014: 347V-480V, 140mA MDH016: 347V-480V, 160mA MDH018: 347V-480V, 180mA
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Specifications	
Hang-Straight	A hang-straight transition is required for most mounting configurations. The Standard (HSHx) is a cast aluminum ball and swivel horizontal hang-straight. Available with a spike (S), a ball (B), or no finial (N). The hang-straight slips a 4" long by 2-3/8" OD horizontal tenon. The Clamp-Style (HSCx) is a large scale cast aluminum horizontal hang-straight with step-leveling on the tenon. Available with a spike (S), a ball (B), or no finial (N). The hang-straight slips an 8" long by 2-3/8" OD horizontal tenon. The (EZ) is a cast stainless steel ball and swivel vertical hang-straight. The special 2-part design allows for easy installation. It is factory installed under an arm and on the fixture.
Side Mount Adapter	An optional "Side Mount" luminaire is available. The cast aluminum "Side Mount" option includes stainless steel hardware and slip fits a 4" long by 2-3/8" OD horizontal tenon.
Catenary Mount	The Catenary mount option includes a cast aluminum span wire clamp, which accommodates cables 1/4"-5/8" in diameter. Below the clamp is a decorative cast aluminum wire box and cover which transitions to the EZ vertical Hangstraight for fixture attachment. Aircraft Cable by others.
Hardware	Includes Stainless steel hardware. Most finishes will include hardware with a Black Oxide conversion coating. Light finishes will get non-color coated hardware (Whites and Silvers)
Lens	Optional SoftVue™ lens provides optimal visual comfort. Uses a .125" thick acrylic lens. Offered with Soft Vue Medium Diffused Acrylic (SV1), Soft Vue Heavy Diffused Acrylic (SV2) or Soft Vue Maximum Diffused Acrylic (SV4). Also available with .188" thick glass lens. Flat Glass (FG), Sag Glass (SG) or Frosted Sag Glass (FSG)
Serviceability	Tool-less access to the driver compartment allows for trouble free servicing of the LED Driver and Surge Suppressor. Easy access to service the lens in the field.
DLC Listed	Not all product variations listed on this page are DLC qualified. Visit https://qpl.designlights.org to confirm qualification, or consult factory.
UL Listing	UL listed per UL1598 and CSA 22.2 No. 250.0 for the United States and Canada. Suitable for Wet Locations.
Electronic Driver	The LED driver is UL recognized and will be securely mounted inside the fixture, for optimized performance and longevity. It will be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections for fixture installation and maintenance. It will have DC voltage output and be a constant current design. It runs at 50/60HZ and will have overload, overheat, and short circuit protection. It will be supplied with a supplemental line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It will be a high efficiency driver with a THD less than 20% and a high-power factor greater than .9. It will be dimming capable using a 0-10V signal, consult factory for more information.
NightSky® Friendly	Dark sky compliant optics with a U0 BUG rating for specific configurations.
IP Rating	IP65 rated
Finish	Our 6 Stage Polyester Powder coat paint system offers a beautiful high-end finish that holds up to even the most extreme environments. Each part is inspected for quality and consistency before being released for shipment. Our system exceeds AAMA 2604, AAMA 2605, ASTM D523 and ASTM D4214 requirements.
Urban Finish	The Urban finish palette was created to highlight a modern, elegant aesthetic. All finishes are a 1 part powder coat with metallic flakes for a superior appearance. Finishes are available in textured or matte. Available finishes include: Black Textured, Urban Gun Metal, Urban Bronze, Urban Silver and Urban White
Traditional Finish	Traditional paint finishes are available in Sternberg Lighting's Traditional product line. A range of colors help accent the decorative elements on the product. Finishes are available in textured or smooth. Available finishes include: Black, White, Park Green, Architectural Medium Bronze and Dark Bronze

Sternberg Select Finish	The Sternberg Select antique-inspired palette adds a touch of vintage elegance to modern applications. Old World Gray Textured is a 1 part powder coat with metallic flakes. Verde Green and Swedish Iron is a 2 part finish that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time.
Custom Finish	Custom finishes are offered to adapt to any application. Rust, Weathered Brown and Cedar are special 1 part powder coat finishes with a distinctive look. Old Iron and Weathered Black are 2 part finishes that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time. Two-Tone and Custom Match options are available to blend sternberg product with the site, consult factory for more information.
Warranty	7-year limited warranty. See Website for Terms and Conditions.
LEDs	The LED's in this system will be fully shielded in a direct downward position to maximize efficiency. The LEDs are mounted to maximize thermal transfer to the heat sink surface. The LEDs shall be 100% recyclable; not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. Lumen maintenance shall be determined in accordance with IESNA TM-21, based on LED manufacturer LM-80 test data of no less than 6,000 hours and in-situ testing of the luminaire by an NVLAP accredited Energy Efficient Lighting Products lab. The high-performance white LEDs will have a predicted lumen depreciation of approximately 100,000 hours with greater than 70% of initial output at 25°C. The high brightness, high-output white LEDs shall be 4000K nominal (2700K, 3000K, 3500K or 5000K optional) correlated color temperature (CCT) with a 70 (minimum) color rendering index (CRI). Consult factory for custom CCT or CRI. The luminaire shall have a minimum _____ (see table) delivered initial lumens when operated at steady state with an average ambient temperature of 25°C (77°F). CCT Lumen Derate Values from 4,000K 2,700K (70+ CRI)=.92 3,000K (70+ CRI)=.95 3,500K (70+ CRI)=1.03 5,000K (70+ CRI)=1.00
Optics	The luminaire shall be provided with individual, refractor type optics applied to each LED. The luminaire shall provide Type ____ (2, 3, 4 or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.
Backlight Optical Control	BLOC Optic (BLOC): An optional "Back Light Optical Control" shield can be provided at the factory. This is an internal optic level "House Side Shield" offering significantly reduced backlight and glare while maintaining the original design aesthetics of the luminaire.
Fixed Dimming Resistor Board (FDRB)	Optional numbered 10-step selector switch allows for fine adjustment of the light levels in the field, repeatable from location to location. Offers dimming from 25% to 100% of the original output. Enclosure is composite material, sealed to protect components for the life of the product.
Photocontrols	Button Photocell: The photocontrol will be mounted on the fixture and pre-wired to driver. The electronic button type photocontrol is instant on and will turn on at 1.5 footcandles and will turn off at 2-3 footcandles. See pole spec sheet for pole mounted version. Twist-Lock Style (Hangstraight Mount): The photocontrol shall be mounted externally on the hangstraight and pre-wired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. If an R7 is specified alongside a BALL or SPIKE style finial on hang-straight, a decorative cap (with window) is included to cover a STANDARD photocell. Use the NO FINIAL hangstraight option if the R7 is for use with a WIRELESS CONTROLLER. Twist-Lock Style (Roof Mount): The photocontrol shall be mounted on the roof and prewired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turnoff at 2-3 footcandles. Photocontrol is 120-277 volt.

Lumen Chart(s)

Tested with FG lens

Model #	T2 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T3 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T4 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T5 DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
40L40T_-MDL016	20670	B3U0G3	117.4	20810	B3U0G3	118.2	19720	B3U0G3	112.0	20910	B4U0G2	118.8	176
40L30T_-MDL016	19710	B3U0G3	112.0	19840	B3U0G3	112.7	18800	B3U0G3	106.8	19935	B4U0G2	113.3	176
40L27T_-MDL016	17820	B3U0G3	101.3	17940	B3U0G3	101.9	17000	B3U0G3	96.6	18025	B4U0G2	102.4	176
32L40T_-MDL018	17865	B3U0G3	116.0	17960	B3U0G3	116.6	17015	B2U0G2	110.5	17990	B4U0G2	116.8	154
32L30T_-MDL018	17035	B3U0G3	110.6	17125	B3U0G3	111.2	16225	B2U0G2	105.4	17155	B4U0G2	111.4	154
32L27T_-MDL018	15400	B3U0G3	100.0	15485	B3U0G3	100.6	14670	B2U0G2	95.3	15510	B4U0G2	100.7	154
32L40T_-MDL014	14750	B2U0G2	125.0	14840	B3U0G3	125.8	14030	B2U0G2	118.9	14845	B3U0G2	125.8	118
32L30T_-MDL014	14065	B2U0G2	119.2	14150	B3U0G3	119.9	13375	B2U0G2	113.3	14155	B3U0G2	120.0	118
32L27T_-MDL014	12715	B2U0G2	107.8	12795	B3U0G3	108.4	12095	B2U0G2	102.5	12795	B3U0G2	108.4	118
24L40T_-MDL018	13680	B2U0G2	116.9	13740	B3U0G3	117.4	13070	B2U0G2	111.7	13770	B3U0G2	117.7	117
24L30T_-MDL018	13045	B2U0G2	111.5	13100	B3U0G3	112.0	12460	B2U0G2	106.5	13130	B3U0G2	112.2	117
24L27T_-MDL018	11795	B2U0G2	100.8	11845	B3U0G3	101.2	11265	B2U0G2	96.3	11870	B3U0G2	101.5	117
24L40T_-MDL014	11015	B2U0G2	125.2	11050	B2U0G2	125.6	10505	B2U0G2	119.4	11090	B3U0G2	126.0	88
24L30T_-MDL014	10500	B2U0G2	119.3	10535	B2U0G2	119.7	10015	B2U0G2	113.8	10575	B3U0G2	120.2	88
24L27T_-MDL014	9495	B2U0G2	107.9	9525	B2U0G2	108.2	9055	B2U0G2	102.9	9560	B3U0G2	108.6	88

Options



Button Photocell (**PEC or PEC4**)



7-Pin NEMA Twist-Lock Receptacle (**R7**)



NEMA Twist-Lock Photocell (**PE or PE4**)



Double Fuse Holder & (2) 3A Fuses (**FHD**)



Fixed Dimming Resistor Board (**FDRB**)

Hangstraight

Horizontal Hang-straight slip fit 4" long by 2-3/8" OD on horizontal tenon



Standard Horizontal Hangstraight,
Spike Finial (**HSHS**)



Standard Horizontal Hangstraight, Ball
Finial (**HSHB**)



Standard Horizontal Hangstraight, No
Finial (**HSHN**)



"EZ" Vertical hangstraight (**EZ**)

Clamp Style Horizontal Hangstraight

To slip fit 8" long by 2-3/8" OD on horizontal tenon



Clamp Style Horizontal Hangstraight, Spike Finial
(**HSCS**)

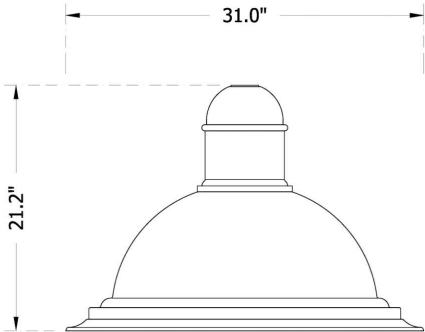


Clamp Style Horizontal Hangstraight, Ball Finial
(**HSCB**)

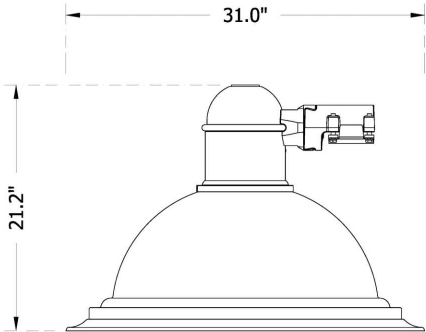


Clamp Style Horizontal Hangstraight, No Finial
(**HSCN**)

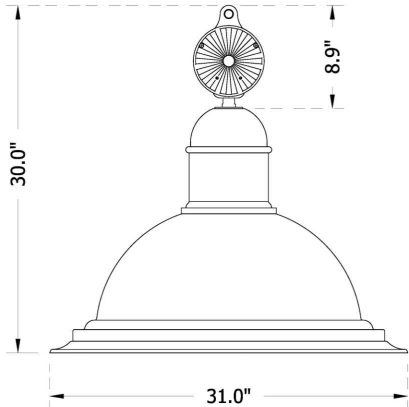
Dimensions



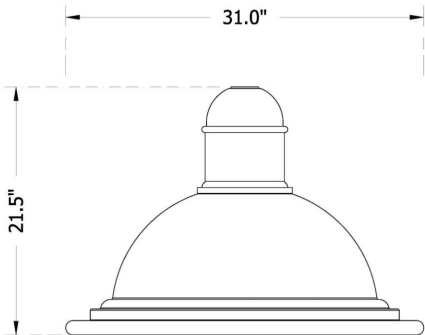
Top Mount, Flared Edge Shade, Flat Glass
(1531LED-F-FG)



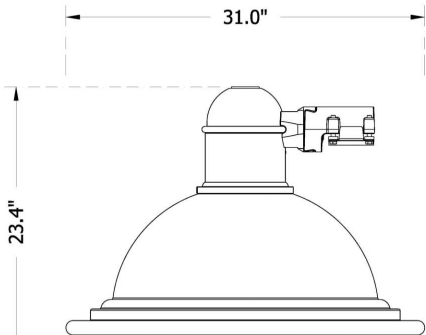
Side Mount, Flared Edge Shade, Flat Glass
(1531LED-SM-F-FG)



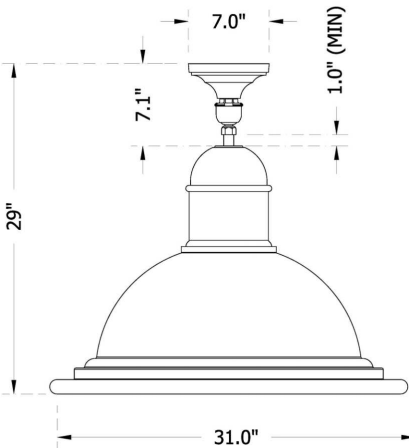
Catenary Mount (CAT)



Top Mount, Round Edge Shade, Flat Glass
(1531LED-R-FG)



Side Mount, Round Edge Shade, Sag Glass
(1531LED-SM-R-SG)



Stem Hung (SH44)

How to Order

Mounting Configuration	Overall Drop Length (In Inches) ⁽⁴⁾ (5)	Fixture	Shade Style	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens
1W Wall Mount		1531LED 1531LED	R Round Edge	24L 24 LEDs	27 2,700K	T2 Type 2	MDL014 120V-277V, 140mA ⁽⁶⁾	FG Flat Glass
1A 1 Arm Mount		1531LEDSM 31" Omega, Side Mount	F Flared Edge	32L 32 LEDs	30 3,000K	T3 Type 3	MDH014 347V-480V, 140mA ⁽⁶⁾	SG Sag Glass
2A 2 Arm Mount @ 180°				40L 40 LEDs	35 3,500K	T4 Type 4	MDL016 120V-277V, 160mA ⁽⁷⁾	FSG Frosted Sag Glass
2A90 2 Arm Mount @ 90°					40 4,000K	T5 Type 5	MDH016 347V-480V, 160mA ⁽⁷⁾	SV1 Flat Soft Vue Light Diffused Acrylic
3A 3 Arms @ 120° ⁽¹⁾					50 5,000K		MDL018 120V-277V, 180mA ⁽⁶⁾	SV2 Flat Soft Vue Moderate Diffused Acrylic
3A90 3 Arms @ 90°							MDH018 347V-480V, 180mA ⁽⁶⁾	SV4 Flat Soft Vue Maximum Diffused Acrylic
4A 4 Arms @ 90°								
1AM 1 Arm Mid-Mount								
2AM 2 Arm Mid-Mount @ 180°								
SH44 Stem Hung ⁽²⁾								
CH44 Chain Hung ⁽²⁾								
CAT Catenary ⁽²⁾ ⁽³⁾								

- Notes:
1. Only available with a round profile pole.

2. Not for use with Side Mount (SM) luminaire.

3. Requires EZ hang-straight.

4. Required field for Stem or Chain Mounting Configuration.

5. Minimum 29" Overall Drop Length.

6. 24L or 32L system only.

7. 40L system only.

How to Order

Optional Control Receptacle ^{(8) (9) (10)}	Optional Control	Optional Fuse ⁽¹³⁾	Optional Hangstraight ⁽²⁾	Optional House Side Shield ⁽¹⁴⁾	Optional Fixed Dimming Resistor Board ⁽¹²⁾	Finish
R7 7-Pin control receptacle only	PE Twist-Lock Photocontrol (120V-277V) ⁽¹¹⁾ PE4 Twist-Lock Photocontrol (347V-480V) ⁽¹¹⁾ SC Shorting Cap ⁽¹¹⁾ PEC Electronic Button Photocontrol (120V-277V) ⁽¹²⁾ PEC4 Electronic Button Photocontrol (480V) ⁽¹²⁾	FHD Double Fuse and Holder	HSHS Standard Horizontal Hangstraight, Spike Finial HSHN Standard Horizontal Hangstraight, No Finial HSHB Standard Horizontal Hangstraight, Ball Finial HSCB Clamp Style Horizontal Hangstraight, Ball Finial HSCS Clamp Style Horizontal Hangstraight, Spike Finial HSCN Clamp Style Horizontal Hangstraight, No Finial EZ Vertical Hangstraight, Large, "EZ" Mount ⁽¹²⁾	BLOC Back Light Optical Control	FDRB Fixed Dimming Resistor Board	BKT Black Textured ⁽¹⁵⁾ WHT White Textured ⁽¹⁵⁾ PGT Park Green Textured ⁽¹⁵⁾ ABZT Architectural Medium Bronze Textured ⁽¹⁵⁾ DBT Dark Bronze Textured ⁽¹⁵⁾ VG Verde Green SI Swedish Iron OWGT Old World Gray Textured UGMT Urban Gun Metal Textured UGM Urban Gun Metal Matte UBT Urban Bronze Textured UB Urban Bronze Matte USLT Urban Silver Textured USL Urban Silver Matte UWHT Urban White Textured UWH Urban White Matte OI Old Iron ⁽¹⁶⁾ RT Rust ⁽¹⁶⁾ WBK Weathered Black ⁽¹⁶⁾ CD Cedar ⁽¹⁶⁾ WBR Weathered Brown ⁽¹⁶⁾ TT Two Tone ⁽¹⁶⁾ CM Custom Match ⁽¹⁶⁾

Notes:

2. Not for use with Side Mount (SM) luminaire.

8. Not for use with FDRB.

9. See specifications section for more info on compatibility with wireless controllers

10. Not for use with STEM, CHAIN, CAT, or EZ mounting style.

11. Requires control receptacle.

12. Not for use with R7.

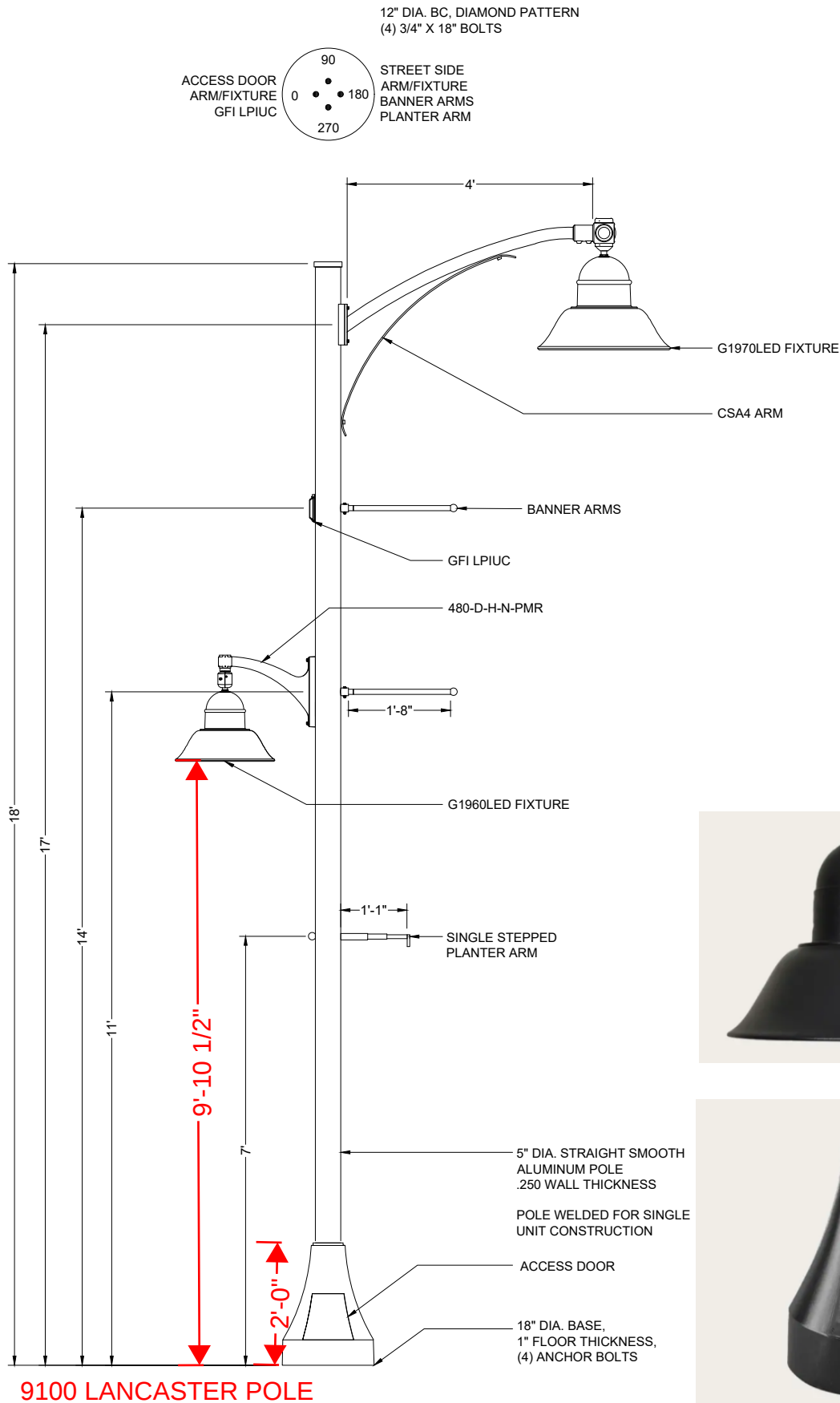
13. Ships loose for installation in base.

14. Not for use with TS optic.

15. Smooth finishes are available upon request.

16. Custom colors require upcharge.

CONCEPTUAL DRAWING,
DESIGN SUBJECT TO CHANGE





9100 LANCASTER SERIES

SPECIFICATIONS

GENERAL

The ____ ft tall* decorative post shall be aluminum, one-piece construction. The 18" diameter cast aluminum smoothly styled base shall be constructed with a ____ inch diameter aluminum extruded shaft. The model shall be Sternberg Lighting #9100 or #9100R for candy cane pole. The pole shall be U.L. or E.T.L. listed in U.S. and Canada.

CONSTRUCTION

The base shall have a round lower section designed with a smoothly sculptured and tapered upper section and shall be made of heavy wall, 356 alloy cast aluminum. It shall have a large access door and a 1" thick floor cast as an integral part of the base. The shaft shall be double circumferentially welded internally and externally to the base for added strength.

____ The **smooth tapered shaft** shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.

____ The **smooth straight shaft** shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.

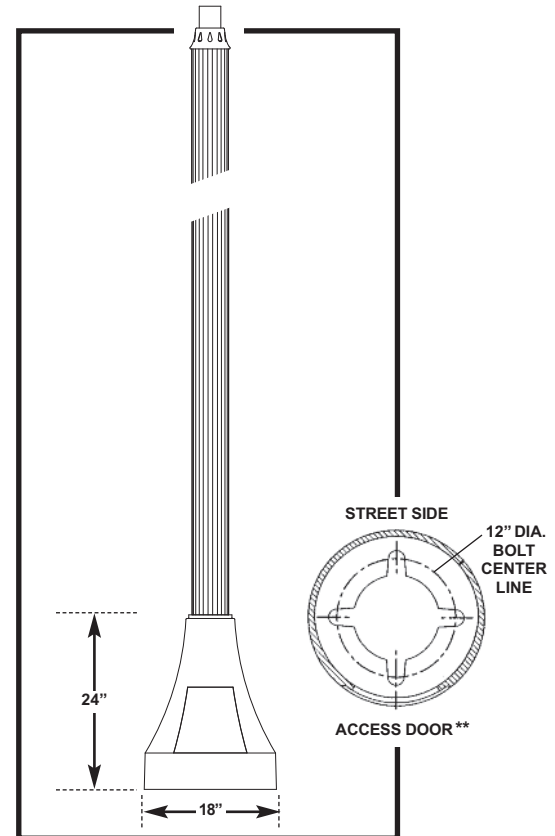
____ The **straight fluted shaft** shall be made of ASTM 6061 extruded aluminum and tempered to a T6 condition. It shall have a decorative fluted 3" O.D. tenon.

____ The **tapered fluted shaft** shall be made of heavy wall, 356 alloy cast aluminum.

INSTALLATION

Four 3/4" diameter, hot-dipped galvanized "L" type anchor bolts shall be provided with the post for anchorage. A large door shall be provided for wiring and anchor bolt access. It shall be secured with tamper proof, stainless steel hardware. Post will be provided with a grounding stud mounted on the base floor opposite the access door.

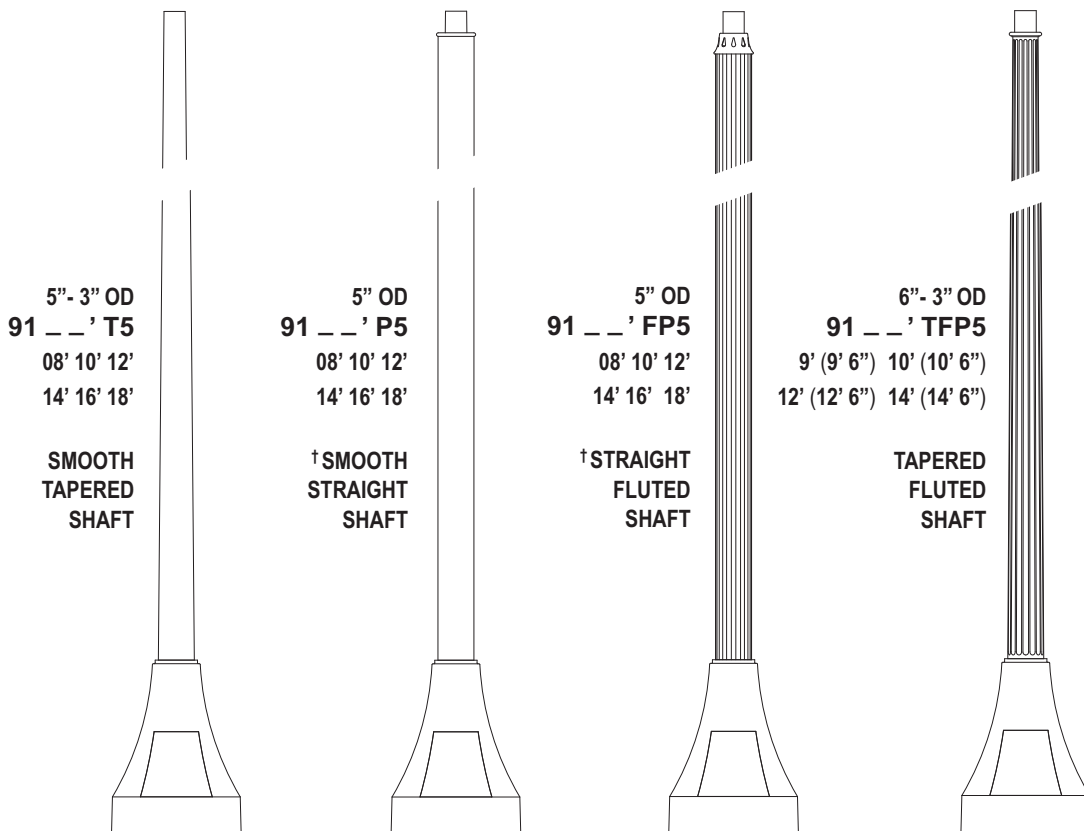
Indicate the type of shaft needed (above)



**See installation template for exact door position.
Bolt circle dimensions may change on taller poles.

Cast Aluminum-Extruded Poles

18" Diameter Base x 24" High



*For candy cane poles insert ____ AG ft (feet - above grade height). See diagram on reverse side.

†Tenon not supplied if fixture or arm slips 5" O.D.

9100 LANCASTER SERIES

POSTS / OPTIONS / POST CAPS

BUILDING A PART NUMBER

Straight Poles

MODEL/HEIGHT/SHAFT	POST CAP CENTER	OPTIONS	FINISH
91 16 T5	BCC	FH	BK

Part Number Selections

MODEL	HEIGHT	SHAFT†
• 91	• 08'	• T5: 5"-3" Tapered Smooth
	• 10'	• P5: 5" Straight Smooth
	• 11'	• FP5: 5" Straight Fluted
	• 12'	• TFP5: 5"-3" Tapered Fluted
	• 14'	
	• 16'	
	• 18'	

OPTIONS AVAILABLE

- GFI • SBAR • PCD
- GFB • DSPA • SH
- FH • DHPA • SB
- SBA • PA478 • WHK
- DBA
- DB Direct Burial • HB Helix Burial

POST CENTER CAP (If Required)

- BCC
- FCC
- RCC
- SCC
- TFCC
- SSCC

STANDARD FINISHES*

- BKT Black Textured
- WHT White Textured
- PGT Park Green Textured
- ABZT Architectural Medium Bronze Textured
- DBT Dark Bronze Textured

*Smooth Finishes are available upon request

CUSTOM FINISHES

- OI Old Iron

Candy Cane Poles

MODEL/HEIGHT/SHAFT	HEIGHT ABOVE GRADE	OPTIONS	FINISH
91 00 RT5	12 AG		BK

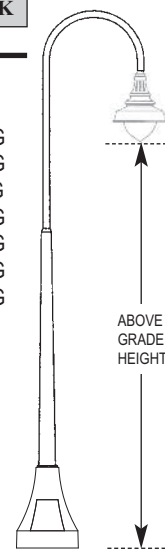
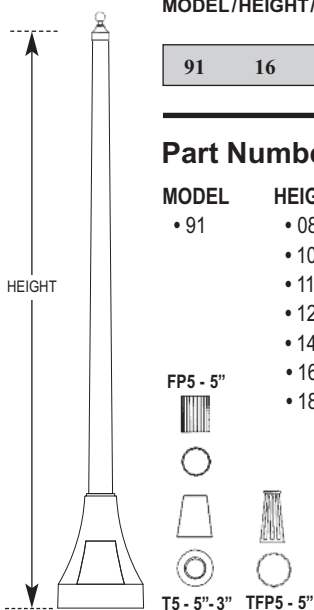
Part Number Selections

MODEL	HEIGHT	SHAFT†	ABOVE GRADE
• 91	• 00	• RT5: 5"-3" Tapered Smooth	• 08' AG
		• RP5: 5" Straight Smooth	• 10' AG
		• RFP5: 5" Straight Fluted	• 11' AG
		• RTFP5: 5"-3" Tapered Fluted	• 12' AG
			• 14' AG
			• 16' AG
			• 18' AG

- RT Rust
- WBR Weathered Brown
- CD Cedar
- WBK Weathered Black
- TT Two Tone

STERNBERG SELECT FINISHES

- VG Verde Green
- SI Swedish Iron
- OWGT Old World Gray Textured



† See first page for height restriction.

OPTIONS AVAILABLE

See Accessories Section for more options and information

	GFI - Ground Fault Interrupter mounts in the pole		SBAR - Single Banner Arm and Ring		PCD - Photo Control mounts on door on pole
	GFB - Ground Fault Breaker <i>inside</i> base		DSPA - Double Stepped Planter Arms mount on either side		SH - Speaker Hub for mounting speaker, floodlight or signal
	FH - Flag Pole Holder mounts on the pole		DHPA - Double Hooked Planter Arms mount on either side		SB - Sign Bracket mounts on pole to hold signs
	SBA - Single Banner Arm mounts on the pole		PA478 - Decorative Planter Arms with planter rings		WHK - Wreath Hook mounts on pole to hold decorations
	DBA - Double Banner Arms mount on same side of the pole				

POST CENTER CAPS (If Required)

	BCC - Ball Center Cap		FCC - Finial Center Cap		SCC - Spiked Center Cap		TFCC - Tall Finial Center Cap		SSCC - Side Spiked Center Cap		RCC - Round Center Cap (For Smooth Straight Shafts Only)
--	------------------------------	--	--------------------------------	--	--------------------------------	--	--------------------------------------	--	--------------------------------------	--	---

Project Name

Qty

Type

Catalog / Part Number



GL1960 - Medium Gallery II						
Shade	Straight Edge (S)	Flared Edge (F)	Bell Edge (B)	Round with Flared Rim (RF)	Round with Round Rim (RR)	Round with Square Rim (RS)
Diameter	17.9"	18"	19.5"	18.7"	18.4"	19.2"
Height	13.5"	12.6"	13.7"	14.8"	14.4"	14.1"

Distribution Type

Type 2

Type 3

Type 4

Type 5

CCT - Color Temp (K)

2,700K

3,000K

3,500K

4,000K

5,000K

7 Year Warranty

7

IP Rating

IP 66

Certifications

UL LISTED

Description

The GL1960 Gallery™ series is a medium scale, decorative pendant luminaire with a cast aluminum driver housing and spun aluminum shades. The housing and shades is available in a variety of shapes and styles for any application.
EPA: .50 (ft²)
WEIGHT: 28 LBS

Features

Mounting Configuration

1W: Wall Mount

2A: 2 Arm Mount @ 180°

3A: 3 Arms @ 120°

4A: 4 Arms @ 90°

2AM: 2 Arm Mid-Mount @180°

CAT: Catenary

1A: 1 Arm Mount

2A90: 2 Arm Mount @ 90°

3A90: 3 Arms @ 90°

1AM: 1 Arm Mid-Mount

SH44: Stem Hung

CH44: Chain Hung

Optional Control Receptacle

R7: 7-Pin control receptacle only

Optional Control

PE: Twist-Lock Photocontrol (120V-277V)

PE4: Twist-Lock Photocontrol (347V-480V)

SC: Shorting Cap

PEC: Electronic Button Photocontrol (120V-277V)

PEC4: Electronic Button Photocontrol (480V)

Optional Fuse

FHD: Double Fuse and Holder

Optional Hangstraight

SHS: Standard Horizontal Hangstraight, Spike Finial

SHSN: Standard Horizontal Hangstraight, No Finial

SHSB: Standard Horizontal Hangstraight, Ball Finial

EZ: Vertical Hangstraight, Large, "EZ" Mount

Optional House Side Shield

BLOC: Back Light Optical Control

Physical

Luminaire

Medium Gallery

Sternberg

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www.sternberglighting.com www.sternberglighting.com/products/32

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Shade Style	S: Straight Edge	F: Flared Edge
	B: Bell Edge	RR: Round with Round Rim
	RF: Round with Flared Rim	RS: Round with Square Rim
Housing	BFR: Base Fixture Round	
	BFS: Base Fixture Stepped	
	GRR: Glow Rings Round	
	GRS: Glow Rings Stepped	
	SRR: Solid Rings Glow Top, Round	
	SRS: Solid Rings Glow Top, Stepped	
	GWR: Glow Window Round	
	GWS: Glow Window Stepped	
	BSR: Blank Top Solid Rings Round	
	BSS: Blank Top Solid Rings Stepped	
Lens	CA: Clear Acrylic	
	SA: Sag Acrylic	
	SV1: Flat Soft Vue Light Diffused Acrylic	
	SV2: Flat Soft Vue Moderate Diffused Acrylic	
	SV4: Flat Soft Vue Maximum Diffused Acrylic	
	SV1SA: Soft Vue Light Diffused Sag Acrylic	
	SV2SA: Soft Vue Moderate Diffused Sag Acrylic	
	SV4SA: Soft Vue Maximum Diffused Sag Acrylic	
Finish	UGMT: Urban Gun Metal Textured	
	UGM: Urban Gun Metal Matte	
	UBT: Urban Bronze Textured	
	UB: Urban Bronze Matte	
	USLT: Urban Silver Textured	
	USL: Urban Silver Matte	
	UWHT: Urban White Textured	
	UWH: Urban White Matte	
	BKT: Black Textured	
	CM: Custom Match	
Light Source		
LED	12L: 12 LEDs	16L: 16 LEDs
	24L: 24 LEDs	
CCT - Color Temp (K)	27: 2,700K	30: 3,000K
	35: 3,500K	40: 4,000K
	50: 5,000K	
Distribution Type	T2: Type 2	T3: Type 3
	T4: Type 4	T5: Type 5
Electrical and control		
Driver	MDL006: 120V-277V, 60mA	
	MDH006: 347V-480V, 60mA	
	MDL008: 120V-277V, 80mA	
	MDH008: 347V-480V, 80mA	
	MDL010: 120V-277V, 100mA	
	MDH010: 347V-480V, 100mA	
	MDL012: 120V-277V, 120mA	
	MDH012: 347V-480V, 120mA	
	MDL014: 120V-277V, 140mA	
	MDH014: 347V-480V, 140mA	

Specifications

Hang-Straight	A hang-straight transition is required for most hanging mounting configurations. The Standard (HSX) is a cast aluminum ball and swivel horizontal hang-straight. Available with a spike (S), a ball (B), or no finial (N). The hang-straight slips a 4" long by 2-3/8" OD horizontal tenon. The (EZ) is a cast stainless steel ball and swivel vertical hang-straight. The special 2-part design allows for easy installation. It is factory installed under an arm and on the fixture.
Catenary Mount	The Catenary mount option includes a cast aluminum span wire clamp, which accommodates cables 1/4"-5/8" in diameter. Below the clamp is a decorative cast aluminum wire box and cover which transitions to the EZ vertical Hangstraight for fixture attachment. Aircraft Cable by others.
Hardware	Includes Stainless steel hardware. Most finishes will include hardware with a Black Oxide conversion coating. Light finishes will get non-color coated hardware (Whites and Silvers)
Lens	Optional SoftVue™ lens provides optimal visual comfort.
UL Listing	UL listed per UL1598 and CSA 22.2 No. 250.0 for the United States and Canada. Suitable for Wet Locations.
Electronic Driver	The LED driver is UL recognized and will be securely mounted inside the fixture, for optimized performance and longevity. It will be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections for fixture installation and maintenance. It will have DC voltage output and be a constant current design. It runs at 50/60HZ and will have overload, overheat, and short circuit protection. It will be supplied with a supplemental line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It will be a high efficiency driver with a THD less than 20% and a high-power factor greater than .9. It will be dimming capable using a 0-10V signal, consult factory for more information.
NightSky® Friendly	Dark sky compliant optics with a U0 BUG rating for specific configurations.
IP Rating	IP66 rated luminaire for enhanced protection against dust and water intrusion.
Finish	Our 6 Stage Polyester Powder coat paint system offers a beautiful high-end finish that holds up to even the most extreme environments. Each part is inspected for quality and consistency before being released for shipment. Our system exceeds AAMA 2604, AAMA 2605, ASTM D523 and ASTM D4214 requirements.
Urban Finish	The Urban finish palette was created to highlight a modern, elegant aesthetic. All finishes are a 1 part powder coat with metallic flakes for a superior appearance. Finishes are available in textured or matte. Available finishes include: Black Textured, Urban Gun Metal, Urban Bronze, Urban Silver and Urban White
Custom Finish	Custom finishes are offered to adapt to any application. Custom Match option is available to blend sternberg product with the site, consult factory for more information.
Warranty	7-year limited warranty. See Website for Terms and Conditions.
LEDs	The LEDs in this system will be fully shielded in a direct downward position to maximize efficiency. The LEDs are mounted to maximize thermal transfer to the heat sink surface. The LEDs shall be 100% recyclable; not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. Lumen maintenance shall be determined in accordance with IESNA TM-21, based on LED manufacturer LM-80 test data of no less than 6,000 hours and in-situ testing of the luminaire by an NVLAP accredited Energy Efficient Lighting Products lab. The high-performance white LEDs will have a predicted lumen depreciation of approximately 100,000 hours with greater than 70% of initial output at 25°C. The high brightness, high-output white LEDs shall be 4000K nominal (2700K, 3000K, 3500K or 5000K optional) correlated color temperature (CCT) with a 70 (minimum) color rendering index (CRI). Consult factory for custom CCT or CRI. The luminaire shall have a minimum _____ (see table) delivered initial lumens when operated at steady state with an average ambient temperature of 25°C (77°F). CCT Lumen Derate Values from 4,000K 2,700K (70+ CRI)= .92 3,000K (70+ CRI)= .95 3,500K (70+ CRI)= 1.03 5,000K (70+ CRI)= 1.00



Optics	The luminaire shall be provided with individual, refractor type optics applied to each LED. The luminaire shall provide Type ____ (2, 3, 4 or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.
Backlight Optical Control	BLOC Optic (BLOC): An optional "Back Light Optical Control" shield can be provided at the factory. This is an internal optic level "House Side Shield" offering significantly reduced backlight and glare while maintaining the original design aesthetics of the luminaire. External House Side Shield (HSS): An optional external 120° House Side Shield helps control backlight. Spun aluminum panel painted to match fixture.
Photocontrols	Button Photocell: The photocontrol shall be mounted on the fixture and pre-wired to driver. The electronic button type photocontrol is instant on and will turn on at 1.5 footcandles and will turn off at 2-3 footcandles. See pole spec sheet for pole mounted version. Twist-Lock Style (Hangstraight Mount): The photocontrol shall be mounted externally on the hangstraight and pre-wired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. If an R7 is specified alongside a BALL or SPIKE style finial on hang-straight, a decorative cap (with window) is included to cover a STANDARD photocell. Use the NO FINIAL hangstraight option if the R7 is for use with a WIRELESS CONTROLLER .

Lumen Chart(s)

Tested with CA lens

Model #	T2 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T3 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T4 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T5 DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
24L40T_-MDL014	11325	B2U0G2	128.7	11060	B2U0G2	125.7	11075	B2U0G2	125.9	11435	B3U0G2	129.9	88
24L30T_-MDL014	10800	B2U0G2	122.7	10545	B2U0G2	119.8	10560	B2U0G2	120.0	10905	B3U0G2	123.9	88
24L27T_-MDL014	9765	B2U0G2	111.0	9535	B2U0G2	108.4	9545	B2U0G2	108.5	9860	B3U0G2	112.0	88
24L40T_-MDL010	8520	B2U0G2	137.4	8350	B2U0G2	134.7	8335	B1U0G2	134.4	8590	B3U0G1	138.5	62
24L30T_-MDL010	8125	B2U0G2	131.0	7960	B2U0G2	128.4	7945	B1U0G2	128.1	8190	B3U0G1	132.1	62
24L27T_-MDL010	7345	B2U0G2	118.5	7200	B2U0G2	116.1	7185	B1U0G2	115.9	7405	B3U0G1	119.4	62
16L40T_-MDL012	6825	B1U0G1	133.8	6610	B2U0G2	129.6	6660	B1U0G2	130.6	6875	B3U0G1	134.8	51
16L30T_-MDL012	6505	B1U0G1	127.5	6300	B2U0G2	123.5	6350	B1U0G2	124.5	6555	B3U0G1	128.5	51
16L27T_-MDL012	5885	B1U0G1	115.4	5700	B2U0G2	111.8	5740	B1U0G2	112.5	5925	B3U0G1	116.2	51
12L40T_-MDL012	5045	B1U0G1	129.4	4925	B1U0G1	126.3	4935	B1U0G1	126.5	5105	B2U0G1	130.9	39
12L30T_-MDL012	4810	B1U0G1	123.3	4695	B1U0G1	120.4	4705	B1U0G1	120.6	4865	B2U0G1	124.7	39
12L27T_-MDL012	4350	B1U0G1	111.5	4245	B1U0G1	108.8	4255	B1U0G1	109.1	4400	B2U0G1	112.8	39
12L40T_-MDL008	3570	B1U0G1	137.3	3485	B1U0G1	134.0	3475	B1U0G1	133.7	3590	B2U0G0	138.1	26
12L30T_-MDL008	3405	B1U0G1	131.0	3325	B1U0G1	127.9	3315	B1U0G1	127.5	3425	B2U0G0	131.7	26
12L27T_-MDL008	3080	B1U0G1	118.5	3005	B1U0G1	115.6	2995	B1U0G1	115.2	3095	B2U0G0	119.0	26
12L40T_-MDL006	2780	B1U0G1	139.0	2715	B1U0G1	135.8	2710	B1U0G1	135.5	2815	B1U0G0	140.8	20
12L30T_-MDL006	2650	B1U0G1	132.5	2590	B1U0G1	129.5	2585	B1U0G1	129.3	2685	B1U0G0	134.3	20
12L27T_-MDL006	2395	B1U0G1	119.8	2340	B1U0G1	117.0	2335	B1U0G1	116.8	2425	B1U0G0	121.3	20

Hangstraight

Horizontal Hang-straight's slip fit 4" long by 2-3/8" OD on horizontal tenon



Standard Horizontal Hangstraight,
Spike Finial (**HSHS**)



Standard Horizontal Hangstraight, Ball
Finial (**HSHB**)



Standard Horizontal Hangstraight, No
Finial (**HSHN**)



"EZ" Vertical hangstraight (**EZ**)

Housing | Upper Portion



Round Housing



Stepped Housing

Stepped Housing with Straight Edge Shade



Base Fixture Stepped (BFS)



Glow Window Stepped (GWS)



Solid Rings Glow Top Stepped (SRS)



Glow Rings Stepped (GRS)



Blank Top Solid Rings Stepped (BSS)

Round Housing with Straight Edge Shade



Base Fixture Round (BFR)



Glow Window Round (GWR)



Solid Rings Glow Top Round (SRR)



Glow Rings Round (GRR)



Blank Top Solid Rings Round (BSR)

Shade Styles



Straight Edge (S)



Flared Edge (F)



Bell Edge (B)



Round with Round Rim (RR)



Round with Flared Rim (RF)



Round with Square Rim (RS)

Options



7-Pin NEMA Twist-Lock Receptacle (**R7**)



NEMA Twist-Lock Photocell (**PE** or **PE4**)



NEMA Receptacle Shorting Cap (**SC**)



Double Fuse Holder & (2) 3A Fuses (**FHD**)



Button Photocell (**PEC** or **PEC4**)

How to Order

Mounting Configuration	Overall Drop Length (In Inches) ⁽¹⁾	Luminaire	Shade Style	Housing	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens
1W Wall Mount 1A 1 Arm Mount 2A 2 Arm Mount @ 180° 2A90 2 Arm Mount @ 90° 3A 3 Arms @ 120° 3A90 3 Arms @ 90° 4A 4 Arms @ 90° 1AM 1 Arm Mid-Mount 2AM 2 Arm Mid-Mount @180° SH44 Stem Hung CH44 Chain Hung CAT Catenary		GL1960 Medium Gallery	S Straight Edge F Flared Edge B Bell Edge RR Round with Round Rim RF Round with Flared Rim RS Round with Square Rim	BFR Base Fixture Round BFS Base Fixture Stepped GRR Glow Rings Round GRS Glow Rings Stepped SRR Solid Rings Glow Top, Round SRS Solid Rings Glow Top, Stepped GWR Glow Window Round GWS Glow Window Stepped BSR Blank Top Solid Rings Round BSS Blank Top Solid Rings Stepped	12L 12 LEDs 16L 16 LEDs 24L 24 LEDs	27 2,700K 30 3,000K 35 3,500K 40 4,000K 50 5,000K	T2 Type 2 T3 Type 3 T4 Type 4 T5 Type 5	MDL006 120V-277V, 60mA ⁽²⁾ MDH006 347V-480V, 60mA ⁽²⁾ MDL008 120V-277V, 80mA ⁽²⁾ MDH008 347V-480V, 80mA ⁽²⁾ MDL010 120V-277V, 100mA ⁽³⁾ MDH010 347V-480V, 100mA ⁽³⁾ MDL012 120V-277V, 120mA ⁽⁴⁾ MDH012 347V-480V, 120mA ⁽⁴⁾ MDL014 120V-277V, 140mA ⁽³⁾ MDH014 347V-480V, 140mA ⁽³⁾	CA Clear Acrylic SA Sag Acrylic SV1 Flat Soft Vue Light Diffused Acrylic SV2 Flat Soft Vue Moderate Diffused Acrylic SV4 Flat Soft Vue Maximum Diffused Acrylic SV1SA Soft Vue Light Diffused Sag Acrylic SV2SA Soft Vue Moderate Diffused Sag Acrylic SV4SA Soft Vue Maximum Diffused Sag Acrylic

Notes:

1. Required field for Stem or Chain Mounting Configuration.

2. 12L system only.

3. 24L system only.

4. 12L or 16L system only.

How to Order

Optional Control Receptacle	Optional Control	Optional Fuse	Optional Hangstraight	Optional House Side Shield ⁽⁷⁾	Finish
R7 7-Pin control receptacle only ⁽⁵⁾	PE Twist-Lock Photocontrol (120V-277V) ⁽⁶⁾ PE4 Twist-Lock Photocontrol (347V-480V) ⁽⁶⁾ SC Shorting Cap ⁽⁶⁾ PEC Electronic Button Photocontrol (120V-277V) PEC4 Electronic Button Photocontrol (480V)	FHD Double Fuse and Holder	HSHS Standard Horizontal Hangstraight, Spike Finial HSHN Standard Horizontal Hangstraight, No Finial HSHB Standard Horizontal Hangstraight, Ball Finial EZ Vertical Hangstraight, Large, "EZ" Mount	BLOC Back Light Optical Control ⁽⁸⁾	UGMT Urban Gun Metal Textured UGM Urban Gun Metal Matte UBT Urban Bronze Textured UB Urban Bronze Matte USLT Urban Silver Textured USL Urban Silver Matte UWHT Urban White Textured UWH Urban White Matte BKT Black Textured CM Custom Match

Notes:

5. Only available with HORIZONTAL hangstraight.

6. Requires control receptacle.

7. Not for use with T5 optic.

8. Only available with T2, T3 and T4.

Project Name

Qty

Type

Catalog / Part Number



GL1970 - Large Gallery II						
Shade	Straight Edge (S)	Flared Edge (F)	Bell Edge (B)	Round with Flared Rim (RF)	Round with Round Rim (RR)	Round with Square Rim (RS)
Diameter	23.9"	23.9"	26"	25"	24.5"	23.8"
Height	17.9"	16.6"	18.2"	19.6"	19.1"	18.6"

Distribution Type

Type 2

Type 3

Type 4

Type 5

CCT - Color Temp (K)

2,700K

3,000K

3,500K

4,000K

5,000K

7 Year Warranty

7

IP Rating

IP 66

Certifications

UL LISTED

CA 24 Compliant

Description

The GL1970 Gallery™ series is a large scale, decorative pendant luminaire with a cast aluminum driver housing and spun aluminum shades. The housing and shades is available in a variety of shapes and styles for any application. The luminaire measures 24" diameter and 18" overall height. The Luminaire shall be UL listed in US and Canada.

EPA: 0.9 (#2)
WEIGHT: 56 LBS

Features

Mounting Configuration

1W: Wall Mount

2A: 2 Arm Mount @ 180°

3A: 3 Arms @ 120°

4A: 4 Arms @ 90°

2AM: 2 Arm Mid-Mount @180°

CAT: Catenary

1A: 1 Arm Mount

2A90: 2 Arm Mount @ 90°

3A90: 3 Arms @ 90°

1AM: 1 Arm Mid-Mount

SH44: Stem Hung

CH44: Chain Hung

Optional Control Receptacle

R7: 7-Pin control receptacle only

Optional Control

PE: Twist-Lock Photocontrol (120V-277V)

PE4: Twist-Lock Photocontrol (347V-480V)

SC: Shorting Cap

PEC: Electronic Button Photocontrol (120V-277V)

PEC4: Electronic Button Photocontrol (480V)

Optional Fuse

FHD: Double Fuse and Holder

Optional Hangstraight

HSBS: Standard Horizontal Hangstraight, Spike Finial

HSNN: Standard Horizontal Hangstraight, No Finial

HSNB: Standard Horizontal Hangstraight, Ball Finial

EZ: Vertical Hangstraight, Large, "EZ" Mount

Optional House Side Shield

BLOC: Back Light Optical Control

Physical

Luminaire

Large Gallery

Sternberg

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www.sternberglighting.com www.sternberglighting.com/products/35

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Shade Style	S: Straight Edge	F: Flared Edge
	B: Bell Edge	RR: Round with Round Rim
	RF: Round with Flared Rim	RS: Round with Square Rim
Housing	BFR: Base Fixture Round	
	BFS: Base Fixture Stepped	
	GRR: Glow Rings Round	
	GRS: Glow Rings Stepped	
	SRR: Solid Rings Glow Top, Round	
	SRS: Solid Rings Glow Top, Stepped	
	GWR: Glow Window Round	
	GWS: Glow Window Stepped	
	BSR: Blank Top Solid Rings Round	
	BSS: Blank Top Solid Rings Stepped	
Lens	CA: Clear Acrylic	
	SA: Sag Acrylic	
	SV1: Flat Soft Vue Light Diffused Acrylic	
	SV2: Flat Soft Vue Moderate Diffused Acrylic	
	SV4: Flat Soft Vue Maximum Diffused Acrylic	
	SV1SA: Soft Vue Light Diffused Sag Acrylic	
	SV2SA: Soft Vue Moderate Diffused Sag Acrylic	
	SV4SA: Soft Vue Maximum Diffused Sag Acrylic	
Finish	UGMT: Urban Gun Metal Textured	
	UGM: Urban Gun Metal Matte	
	UBT: Urban Bronze Textured	
	UB: Urban Bronze Matte	
	USLT: Urban Silver Textured	
	USL: Urban Silver Matte	
	UWHT: Urban White Textured	
	UWH: Urban White Matte	
	BKT: Black Textured	
	CM: Custom Match	
Light Source		
LED	16L: 16 LEDs	24L: 24 LEDs
	32L: 32 LEDs	40L: 40 LEDs
CCT - Color Temp (K)	27: 2,700K	30: 3,000K
	35: 3,500K	40: 4,000K
	50: 5,000K	
Distribution Type	T2: Type 2	T3: Type 3
	T4: Type 4	T5: Type 5
Electrical and control		
Driver	MDL010: 120V-277V, 100mA	
	MDH010: 347V-480V, 100mA	
	MDL012: 120V-277V, 120mA	
	MDH012: 347V-480V, 120mA	
	MDL014: 120V-277V, 140mA	
	MDH014: 347V-480V, 140mA	
	MDL016: 120V-277V, 160mA	
	MDH016: 347V-480V, 160mA	

Specifications	
Hang-Straight	A hang-straight transition is required for most hanging mounting configurations. The Standard (HSX) is a cast aluminum ball and swivel horizontal hang-straight. Available with a spike (S), a ball (B), or no finial (N). The hang-straight slips a 4" long by 2-3/8" OD horizontal tenon. The (EZ) is a cast stainless steel ball and swivel vertical hang-straight. The special 2-part design allows for easy installation. It is factory installed under an arm and on the fixture.
Catenary Mount	The Catenary mount option includes a cast aluminum span wire clamp, which accommodates cables 1/4"-5/8" in diameter. Below the clamp is a decorative cast aluminum wire box and cover which transitions to the EZ vertical Hangstraight for fixture attachment. Aircraft Cable by others.
Lens	Optional SoftVue™ lens provides optimal visual comfort.
UL Listing	UL listed per UL1598 and CSA 22.2 No. 250.0 for the United States and Canada. Suitable for Wet Locations.
Electronic Driver	The LED driver is UL recognized and will be securely mounted inside the fixture, for optimized performance and longevity. It will be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections for fixture installation and maintenance. It will have DC voltage output and be a constant current design. It runs at 50/60HZ and will have overload, overheat, and short circuit protection. It will be supplied with a supplemental line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It will be a high efficiency driver with a THD less than 20% and a high-power factor greater than .9. It will be dimming capable using a 0-10V signal, consult factory for more information.
NightSky® Friendly	Dark sky compliant optics with a U0 BUG rating for specific configurations.
IP Rating	IP66 rated luminaire for enhanced protection against dust and water intrusion.
Finish	Our 6 Stage Polyester Powder coat paint system offers a beautiful high-end finish that holds up to even the most extreme environments. Each part is inspected for quality and consistency before being released for shipment. Our system exceeds AAMA 2604, AAMA 2605, ASTM D523 and ASTM D4214 requirements.
Urban Finish	The Urban finish palette was created to highlight a modern, elegant aesthetic. All finishes are a 1 part powder coat with metallic flakes for a superior appearance. Finishes are available in textured or matte. Available finishes include: Black Textured, Urban Gun Metal, Urban Bronze, Urban Silver and Urban White
Warranty	7-year limited warranty. See Website for Terms and Conditions.
LEDs	The LEDs in this system will be fully shielded in a direct downward position to maximize efficiency. The LEDs are mounted to maximize thermal transfer to the heat sink surface. The LEDs shall be 100% recyclable; not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. Lumen maintenance shall be determined in accordance with IESNA TM-21, based on LED manufacturer LM-80 test data of no less than 6,000 hours and in-situ testing of the luminaire by an NVLAP accredited Energy Efficient Lighting Products lab. The high-performance white LEDs will have a predicted lumen depreciation of approximately 100,000 hours with greater than 70% of initial output at 25°C. The high brightness, high-output white LEDs shall be 4000K nominal (2700K, 3000K, 3500K or 5000K optional) correlated color temperature (CCT) with a 70 (minimum) color rendering index (CRI). Consult factory for custom CCT or CRI. The luminaire shall have a minimum _____ (see table) delivered initial lumens when operated at steady state with an average ambient temperature of 25°C (77°F). CCT Lumen Derate Values from 4,000K 2,700K (70+ CRI)=.92 3,000K (70+ CRI)=.95 3,500K (70+ CRI)=1.03 5,000K (70+ CRI)=1.00
Optics	The luminaire shall be provided with individual, refractor type optics applied to each LED. The luminaire shall provide Type ____ (2, 3, 4 or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.

Backlight Optical Control	BLOC Optic (BLOC): An optional "Back Light Optical Control" shield can be provided at the factory. This is an internal optic level "House Side Shield" offering significantly reduced backlight and glare while maintaining the original design aesthetics of the luminaire. External House Side Shield (HSS): An optional external 120° House Side Shield helps control backlight. Spun aluminum panel painted to match fixture.
Photocontrols	Button Photocell: The photocontrol shall be mounted on the fixture and pre-wired to driver. The electronic button type photocontrol is instant on and will turn on at 1.5 footcandles and will turn off at 2-3 footcandles. See pole spec sheet for pole mounted version. Twist-Lock Style (Hangstraight Mount): The photocontrol shall be mounted externally on the hangstraight and pre-wired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. If an R7 is specified alongside a BALL or SPIKE style finial on hang-straight, a decorative cap (with window) is included to cover a STANDARD photocell. Use the NO FINIAL hangstraight option if the R7 is for use with a WIRELESS CONTROLLER .

Lumen Chart(s)

Tested with CA lens

Model #	T2 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T3 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T4 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T5 DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
40L40T_-MDL016	21710	B3U0G3	124.8	21240	B3U0G3	122.1	21105	B3U0G3	121.3	21845	B4U0G2	125.5	174
40L30T_-MDL016	20700	B3U0G3	119.0	20250	B3U0G3	116.4	20125	B3U0G3	115.7	20830	B4U0G2	119.7	174
40L27T_-MDL016	18715	B3U0G3	107.6	18310	B3U0G3	105.2	18195	B3U0G3	104.6	18830	B4U0G2	108.2	174
40L40T_-MDL012	17040	B3U0G3	137.4	16510	B3U0G3	133.1	16530	B3U0G3	133.3	17155	B4U0G2	138.3	124
40L30T_-MDL012	16245	B3U0G3	131.0	15740	B3U0G3	126.9	15760	B3U0G3	127.1	16355	B4U0G2	131.9	124
40L27T_-MDL012	14690	B3U0G3	118.5	14235	B3U0G3	114.8	14250	B3U0G3	114.9	14790	B4U0G2	119.3	124
32L40T_-MDL012	13650	B2U0G2	136.5	13290	B3U0G3	132.9	13300	B2U0G2	133.0	13840	B3U0G2	138.4	100
32L30T_-MDL012	13015	B2U0G2	130.2	12670	B3U0G3	126.7	12680	B2U0G2	126.8	13195	B3U0G2	132.0	100
32L27T_-MDL012	11765	B2U0G2	117.7	11455	B3U0G3	114.6	11465	B2U0G2	114.7	11930	B3U0G2	119.3	100
24L40T_-MDL014	11535	B2U0G2	131.1	11275	B2U0G2	128.1	11270	B2U0G2	128.1	11650	B3U0G2	132.4	88
24L30T_-MDL014	11000	B2U0G2	125.0	10750	B2U0G2	122.2	10745	B2U0G2	122.1	11110	B3U0G2	126.3	88
24L27T_-MDL014	9945	B2U0G2	113.0	9720	B2U0G2	110.5	9715	B2U0G2	110.4	10045	B3U0G2	114.1	88
24L40T_-MDL010	8950	B2U0G2	144.4	8440	B2U0G2	136.1	8445	B2U0G2	136.2	8690	B3U0G1	140.2	62
24L30T_-MDL010	8535	B2U0G2	137.7	8045	B2U0G2	129.8	8050	B2U0G2	129.8	8285	B3U0G1	133.6	62
24L27T_-MDL010	7715	B2U0G2	124.4	7275	B2U0G2	117.3	7280	B2U0G2	117.4	7490	B3U0G1	120.8	62
16L40T_-MDL012	6815	B1U0G1	133.6	6670	B2U0G2	130.8	6690	B1U0G2	131.2	6860	B3U0G1	134.5	51
16L30T_-MDL012	6500	B1U0G1	127.5	6360	B2U0G2	124.7	6380	B1U0G2	125.1	6540	B3U0G1	128.2	51
16L27T_-MDL012	5875	B1U0G1	115.2	5750	B2U0G2	112.7	5765	B1U0G2	113.0	5915	B3U0G1	116.0	51

Hangstraight

Horizontal Hang-straight's slip fit 4" long by 2-3/8" OD on horizontal tenon



Standard Horizontal Hangstraight,
Spike Finial (**HSHS**)



Standard Horizontal Hangstraight, Ball
Finial (**HSHB**)



Standard Horizontal Hangstraight, No
Finial (**HSHN**)



"EZ" Vertical hangstraight (**EZ**)

Housing | Upper Portion



Round Housing



Stepped Housing

Stepped Housing with Straight Edge Shade



Base Fixture Stepped (**BFS**)



Glow Window Stepped (**GWS**)



Solid Rings Glow Top Stepped (**SRS**)



Glow Rings Stepped (**GRS**)



Blank Top Solid Rings Stepped (**BSS**)

Round Housing with Straight Edge Shade



Base Fixture Round (BFR)



Glow Window Round (GWR)



Solid Rings Glow Top Round (SRR)



Glow Rings Round (GRR)



Blank Top Solid Rings Round (BSR)

Shade Styles



Straight Edge **(S)**



Flared Edge **(F)**



Bell Edge **(B)**



Round with Round Rim **(RR)**



Round with Flared Rim **(RF)**



Round with Square Rim **(RS)**

Options



7-Pin NEMA Twist-Lock Receptacle (**R7**)



NEMA Twist-Lock Photocell (**PE** or **PE4**)



NEMA Receptacle Shorting Cap (**SC**)



Double Fuse Holder & (2) 3A Fuses (**FHD**)



Button Photocell (**PEC** or **PEC4**)

How to Order

Mounting Configuration	Overall Drop Length (In Inches) ⁽¹⁾	Luminaire	Shade Style	Housing	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens
1W Wall Mount 1A 1 Arm Mount 2A 2 Arm Mount @ 180° 2A90 2 Arm Mount @ 90° 3A 3 Arms @ 120° 3A90 3 Arms @ 90° 4A 4 Arms @ 90° 1AM 1 Arm Mid-Mount 2AM 2 Arm Mid-Mount @ 180° SH44 Stem Hung CH44 Chain Hung CAT Catenary		GL1970 Large Gallery	S Straight Edge F Flared Edge B Bell Edge RR Round with Round Rim RF Round with Flared Rim RS Round with Square Rim	BFR Base Fixture Round BFS Base Fixture Stepped GRR Glow Rings Round GRS Glow Rings Stepped SRR Solid Rings Glow Top, Round SRS Solid Rings Glow Top, Stepped GWR Glow Window Round GWS Glow Window Stepped BSR Blank Top Solid Rings Round BSS Blank Top Solid Rings Stepped	16L 16 LEDs 24L 24 LEDs 32L 32 LEDs 40L 40 LEDs	27 2,700K 30 3,000K 35 3,500K 40 4,000K 50 5,000K	T2 Type 2 T3 Type 3 T4 Type 4 T5 Type 5	MDL010 120V-277V, 100mA ⁽²⁾ MDH010 347V-480V, 100mA ⁽²⁾ MDL012 120V-277V, 120mA ⁽³⁾ MDH012 347V-480V, 120mA ⁽³⁾ MDL014 120V-277V, 140mA ⁽²⁾ MDH014 347V-480V, 140mA ⁽²⁾ MDL016 120V-277V, 160mA ⁽⁴⁾ MDH016 347V-480V, 160mA ⁽⁴⁾	CA Clear Acrylic SA Sag Acrylic SV1 Flat Soft Vue Light Diffused Acrylic SV2 Flat Soft Vue Moderate Diffused Acrylic SV4 Flat Soft Vue Maximum Diffused Acrylic SV1SA Soft Vue Light Diffused Sag Acrylic SV2SA Soft Vue Moderate Diffused Sag Acrylic SV4SA Soft Vue Maximum Diffused Sag Acrylic

Notes:
1. Required field for Stem or Chain Mounting Configuration.
2. 24L system only.

3. 16L, 32L and 40L systems only.
4. 40L system only.

How to Order

Optional Control Receptacle	Optional Control	Optional Fuse	Optional Hangstraight	Optional House Side Shield ⁽⁷⁾	Finish
R7 7-Pin control receptacle only ⁽⁵⁾	PE Twist-Lock Photocontrol (120V-277V) ⁽⁶⁾ PE4 Twist-Lock Photocontrol (347V-480V) ⁽⁶⁾ SC Shorting Cap ⁽⁶⁾ PEC Electronic Button Photocontrol (120V-277V) PEC4 Electronic Button Photocontrol (480V)	FHD Double Fuse and Holder	HSBS Standard Horizontal Hangstraight, Spike Finial HSBN Standard Horizontal Hangstraight, No Finial HSBB Standard Horizontal Hangstraight, Ball Finial EZ Vertical Hangstraight, Large, "EZ" Mount	BLOC Back Light Optical Control ⁽⁸⁾	UGMT Urban Gun Metal Textured UGM Urban Gun Metal Matte UBT Urban Bronze Textured UB Urban Bronze Matte USLT Urban Silver Textured USL Urban Silver Matte UWHT Urban White Textured UWH Urban White Matte BKT Black Textured CM Custom Match

Notes:

5. Only available with HORIZONTAL hangstraight.

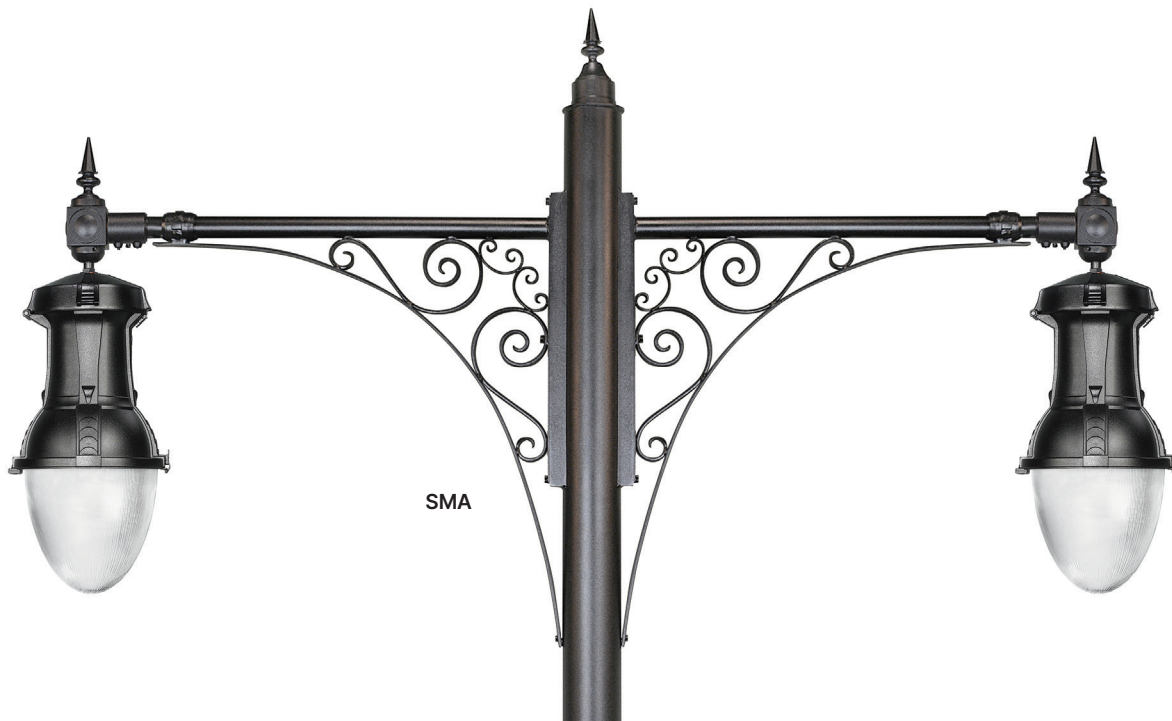
6. Requires control receptacle.

7. Not for use with T5 optic.

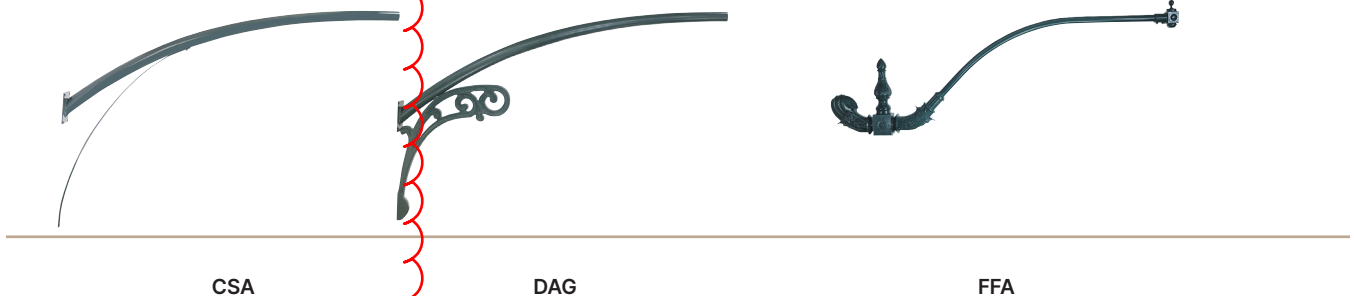
8. Only available with T2, T3 and T4.

Roadway

Roadway arms are much larger in scale and therefore need to be highly engineered to hold weight, resist vibration and wind conditions present on roadways and at higher mounting heights. Some roadway arms are very simple tube stock and others are dressed up with decorative castings that are reproductions of arms designed and built decades ago. In all cases Sternberg arms meet AASHTO structural guidelines for roadway applications and meet ANSI requirements for vibration.

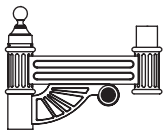


Examples

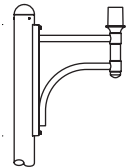


Arm Matrix

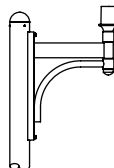
Arms not shown to scale



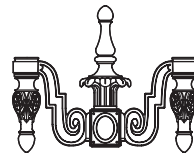
1-TASCRPT



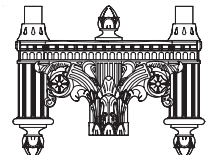
1-VCSPM



1-VFSPM



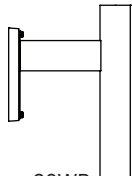
2-779PT



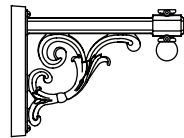
2-BAPT



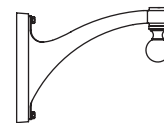
55LWB
55LPM



60WB
60PM



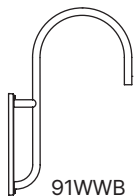
78WB
78PM



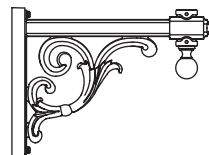
80WB
80PM



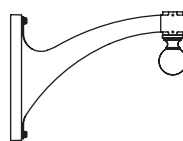
86WB
86PM



91WWB
91WPM



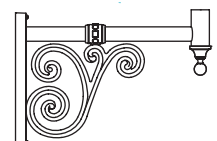
478WB
478PM



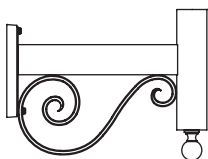
480WB
480PM



579PT
1-579PT



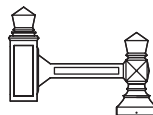
678HWB
678HPM



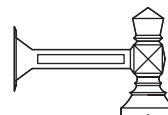
6236WB
6236PM



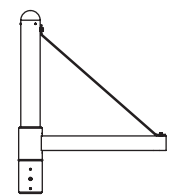
CDVBWB
CDVBPM



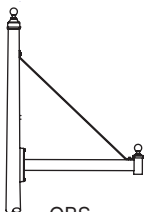
HM
1-HMPT



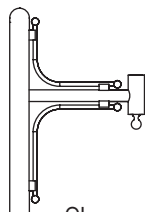
MMWB



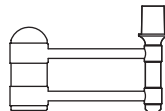
OA
1-OAPT



OBS
1-OBSPM



OL
1-OLPT



OMS
1-OMSPT



R3



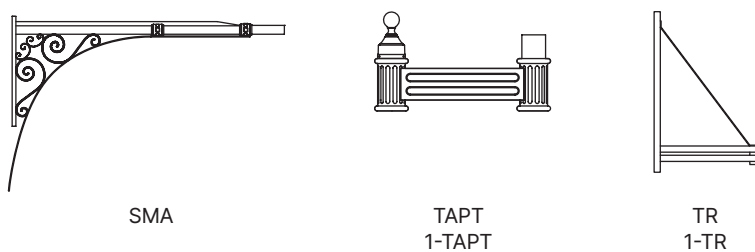
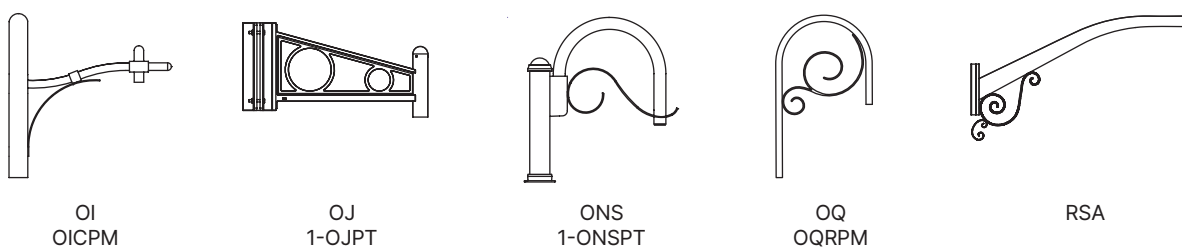
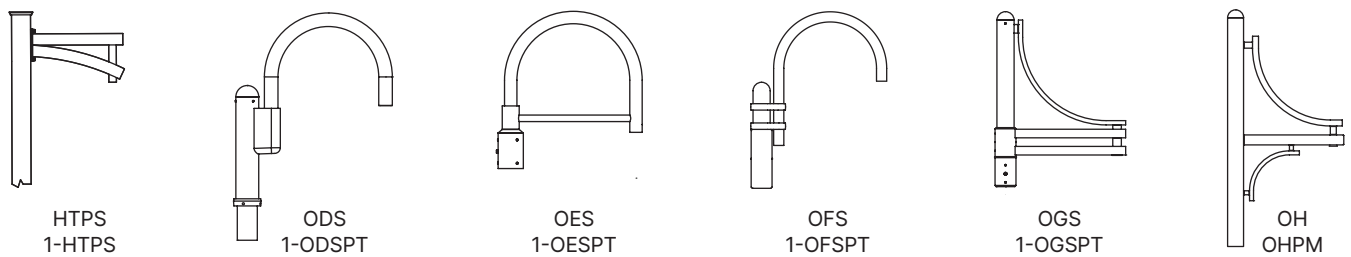
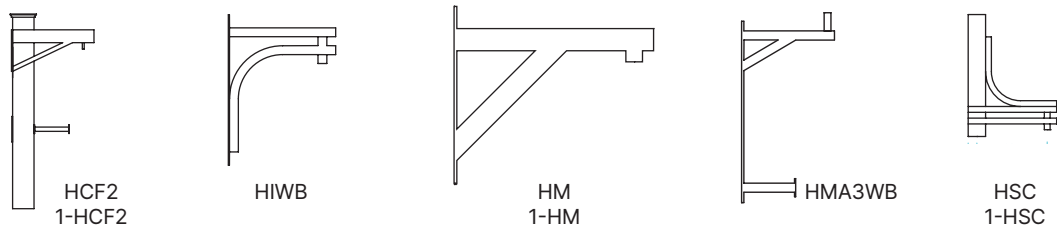
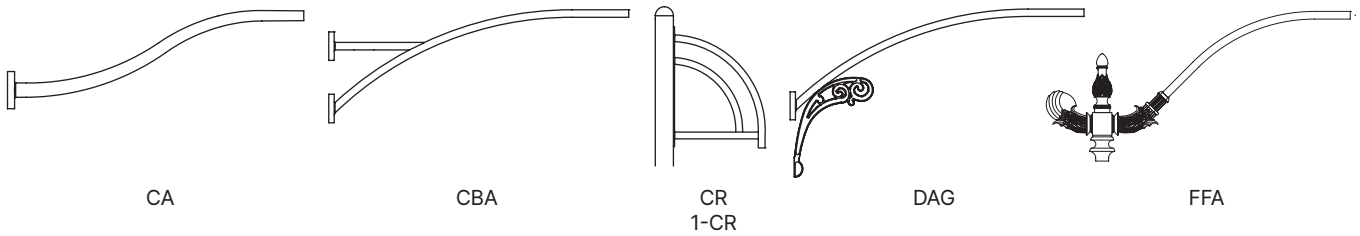
TAWB

Arm Matrix

CAF



Arms not shown to scale



Arm	Dimensions		EPA ft ²	WT. lbs
	Width	Height		
1-TASCRPT	20-1/8"	17-7/16"	1.39	28
1-VCSPM	18"	25-13/32"	0.45	8
1-VFSPM	18"	27-1/8"	1.3	10
2-779PT	40"	31-5/8"	3.375	40
2-BAPT	33"	26-11/32"	4.44	40
55LWB / 55LPM	17-29/32"	9-1/2"	0.54	5.8
60WB / 60PM	12-1/16"	17"	0.5	4
78WB / 78PM	11"	9-1/4"	0.37	3.5
80WB / 80PM	11-29/32"	9-11/16"	0.34	3.4
86WB / 86PM	33-3/4"	15-9/32"	1.05	11
91WWB / 91WPM	24-27/32"	37-3/4"	0.8	7.8
478WB / 478PM	16-3/32"	13-3/4"	0.65	8.6
480WB / 480PM	17-11/16"	14-1/16"	0.76	7.8

Arm	Dimensions		EPA ft ²	WT. lbs
	Width	Height		
579PT / 1-579PT	21"	24-3/4"	1.8	25
678HWB / 678HPM	32-1/4"	22"	1.2	9.2
6236WB / 6236PM	19-15/16"	15-1/32"	0.74	4.5
CDVBWB / CD-VBPM	26-3/4"	36"	0.8	7.3
HM / 1-HMPT	31-1/2"	23-1/16"	3.5	27
MMWB	25-7/16"	17-5/8"	1.56	13
OA / 1-OAPT	26"	37-3/4"	1.34	20
OBS / 1-OBSPM	34"	36-1/4"	1.17	5.5
OL / 1-OLPT	27-7/16"	39-5/8"	1.25	37.2
OMS / 1-OMSPT	20-5/16"	13-15/16"	0.23	10
R3	33"	*	*	*
TAWB	19-13/16"	11-3/8"	0.77	10

* Height of arm varies. Consult factory.

PM = Post Mount WB = Wall Bracket PT = Post Top

Arm	Dimensions		EPA ft²	WT. lbs
	Width	Height		
CA	4'	2'	1.25	12
CA	6'	2'	1.75	16
CA	8'	3'	2.4	21
CBA	4'	2'	1.4	15
CBA	6'	2'-6"	1.9	19
CBA	8'	3'	2.3	22
CR / 1-CR	22-1/4"	26-3/4"	0.48	12
DAG	4'	3'-6"	2	18
DAG	6'	4'	2.6	26
FFA	4'	3'	3.7	51
FFA	6'	4'	4	54
FFA	8'	4'	4.4	56
HCF2 / 1-HCF2	19-9/16"	27-7/8"	1.2	10
HIWB	24-1/4"	34"	1.55	12
HM / 1-HM	18"	16"	0.68	22
HMA3WB	10-1/4"	20-15/16"	0.27	4
HSC / 1-HSC	30-1/2"	32-1/32"	2.24	21

Arm	Dimensions		EPA ft²	WT. lbs
	Width	Height		
HTPS / 1-HTPS	24-11/16"	14-1/16"	1.12	12
ODS / 1-ODSPT	27-3/8"	39-3/4"	0.97	20
OES / 1-OESPT	27-1/2"	30-1/4"	0.75	17
OFS / 1-OFSPT	29-15/16"	41-3/16"	0.8	18
OGS / 1-OGSPT	28"	40-3/4"	2.19	23
OH / OHPM	29-1/8"	47-7/8"	3.1	42
OI / OICPM	40-1/4"	37-1/2"	1.32	32
OJ / 1-OJPT	28-1/16"	18"	2.73	19
ONS / 1-ONSPT	27-3/8"	32-11/16"	1.31	12
OQ / OQRPM	30-3/8"	51-5/16"	1.13	18
RSA	4'	2'	3.85	9.1
RSA	6'	2'-2"	4.8	13.1
RSA	8'	3'-4"	5.5	17.1
SMA	4'	3'-6"	1.4	22
SMA	6'	3'-6"	1.85	25
TAPT / 1-TAPT	22-1/4"	12-1/2"	0.86	12
TR / 1-TR	34"	52"	2.61	11

PM = Post Mount WB = Wall Bracket PT = Post Top



Driven by technology,
powered by creativity



Board Room AV - Mic & Camera

Village of Hortonville

Nathan Treadwell

village.administrator@hortonville.wi.gov



Our Mission:

To provide world-class technology solutions with an unwavering commitment to our Customers, Vendor Partners and Employees while providing an environment that encourages profitable growth, learning and fun!

Site Address:

Village of Hortonville
531 N Nash St

Hortonville WI 54944

Billing Address:

Village of Hortonville
531 N Nash St

Hortonville WI 54944

ACP CreativIT LLC (d/b/a Camera Corner Connecting Point or CCCP)

529 N. Monroe 851 Commerce Ct
Green Bay, WI 54301 Buffalo Grove, IL 60089

Website: www.cccp.com www.acpcreativit.com

Project #: OPP134124.2

Modified Date: 09/13/2024

Revision: 1

Acct. Manager Jason Hussong



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powered by creativity



Project Description:

Integration Services Scope of Work

A. Project Overview:

- a. **Summary:** The objective of this project is to improve the recordings of the meetings. This will be accomplished by installing a ceiling microphone and camera for ingesting room audio and visual onto a user's laptop for recording. While the system can be used for conferencing as well, it is not recommended that far end audio be played in the room as AEC will not be properly handled by system. The user can control the camera with the included remote control. The microphone cannot be adjusted by the user but will be configured and tuned by the Contractor.
- b. **Training:** Training shall not exceed 30 minutes.
- c. **Timeline:** The project shall be completed as soon as possible depending upon availability of equipment, technicians, and space.

B. Exclusions: The following work is not included in our Scope of Work:

- a. All conduit, high voltage, wiring panels, breakers, relays, boxes, receptacles, etc.
- b. Concrete saw cutting and/or core drilling.
- c. Fire wall, ceiling, roof and floor penetration.
- d. Necessary gypsum board replacement and/or repair.
- e. Necessary ceiling tile or T-bar modifications, replacements and/or repair.
- f. All millwork (moldings, trim, cut outs, etc.).
- g. Patching and Painting.
- h. Permits (unless specifically provided for and identified within the contract).

C. Construction Considerations:

- a. In order to accomplish the outlined goals of this project, the Customer will be responsible for contracting with an outside entity to make the necessary modifications to the space as directed by ACP/CCCP. The costs associated with these modifications are not included in this proposal.

Project Resources:

Account Manager:	Jason Hussong	Design Engineer:	David Kalsow
Control Programming:	Biamp	DSP Programming:	Biamp
Project Manager:	TBD	Trainer:	TBD
Network Engineering:	n/a	VOIP Engineering:	n/a
Other:	ALS, Shure MXW, Dante	Other:	PTZOptics, Crestron HS



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powered by creativity



Plug & Play: Mic & Camera

Quantity	Description	Unit Price	Price
	1 Audio Technica Beamforming Ceiling Array Microphone - Dante Enabled		
	75 CCCP Mic/Line audio cable. 22AWG shielded twisted pair with ground wire. Plenum Rated		
	150 CCCP CAT. 6 Plenum		
	75 CCCP HD-SDI coax, non plenum. 18 AWG center conductor rated 3Gb/s 1080p		
	1 Comprehensive USB 3.0 A Male To A Male Cable 10ft.		
	1 Magewell USB Capture SDI 4K Plus		
	1 PTZOptics Move SE, a third generation PTZ camera, featuring 12X Optical Zoom, 1080 Resolution at 60fps and a 72.5 HFOV. Supports simultaneous IP Video (NDI HX Upgradeable, SRT, RTMPS, RTSP), USB3.0, HDMI2.0 and 3G-SDI as outputs -White		
	1 PTZOptics Small Universal Ceiling Mount for PTZ Camera, white		
	1 TP-LINK 5-Port Gigabit Desktop Switch with 4-Port PoE+, 65W total		



- 1 **CCCP**
1" Table Grommet



- 4 **CCCP**
One Piece RJ45 crimp connector for Cat6 cable



- 3 **Liberty AV Solutions**
BNC PLUG RG6 UNIV. PVC C-TEC2



- 1 **Liberty AV Solutions**
NEUTRIK 3.5 PLUG 3C NKL

Equipment:	\$4,795.75
------------	------------

Labor:	\$905.05
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Plug & Play: Mic & Camera Total	\$5,700.80
---------------------------------	------------

Shipping & Misc. Labor

Quantity	Description	Unit Price	Price
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- 1 **CCCP**
Miscellaneous installation hardware



- 1 **CCCP**
Ground Shipping and Handling Estimate

Equipment:	\$278.00
------------	----------

Labor:	\$3,067.50
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Shipping & Misc. Labor Total	\$3,345.50
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Equipment Subtotal:	\$5,073.75
Labor Subtotal:	\$3,972.55
Project Subtotal:	\$9,046.30

PROJECT SUMMARY

Equipment:	\$5,073.75
Labor:	\$3,972.55

Grand Total:	\$9,046.30
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Payment Schedule

Amount

Due Date

Initial Deposit	\$4,523.15
Equipment Delivery	\$3,618.52
Final Acceptance	\$904.63

Assumptions

The list of assumptions below was used to develop this Statement of Work and Quote. If any of these assumptions are not correct or if additional, unanticipated information was uncovered during the project, it may affect the SOW and Quote relative to the installation timeline and/or price. If so, a change order (discussed below) will be written and signed off by the customer before this additional work is performed.

- 1.
2. The room(s) match(es) the drawings provided
3. Site preparation by the Customer and their contractors includes electrical and data placement per ACP CreativIT specification.
4. Site preparation will be verified by ACP CreativIT project manager or representative before scheduling of the installation. All work areas should be clean and dust free prior to the beginning of on-site integration of electronic equipment.
5. Customer communication of readiness will be considered accurate and executable by ACP CreativIT project manager.
6. In the event of any arrival to site that ACP CreativIT is not able to execute work and definable progress, the Customer will be charged a \$110/hr per installer Fee to offset the lost time due to the lack of readiness. The Fee will be presented as a Contract Change Order and will/may halt work until acceptance by the Customer and rescheduling of the integration effort is agreed upon.
7. Rescheduling and redeployment of ACP CreativIT technicians due to unacceptable site preparation may cause scheduling delays of up to 10 business days.
8. There is ready access to the building / facility and the room(s) for equipment and materials.
9. There is secure storage for equipment during a multiple-day integration.
10. If Customer furnished equipment and existing cabling is to be used, ACP CreativIT assumes that these items are in good working condition at this time and will integrate into the designed solution. Any repair, replacement and/or configuration of these items that may be necessary will be made at an additional cost.
11. All Network configurations including IP addresses are to be provided, operational and functional before ACP CreativIT integration begins. ACP CreativIT will not be responsible for testing the LAN connections.
12. Cable or Satellite drops must be in place with converter boxes operational before the completion of integration. Any delay resulting in extra work caused by late arrival of these items will result in a change order for time and materials.
13. Document review / feedback on drawings / correspondence will be completed by the Customer within two business days (unless otherwise noted)
14. The documented Change Control process will be used to the maximum extent possible – the Customer will have an assigned person with the authority to communicate/approve project Field Directed Change Orders and Contract Change Orders
15. In developing a comprehensive proposal for equipment and integration services ACP CreativIT's Account Managers and Engineering teams must make some assumptions regarding the physical construction of your facility, the availability of technical infrastructure and site conditions for installation. If any of the conditions we have indicated in the site survey form are incorrect or have changed for your particular project or project site, please let your Sales representative know as soon as possible. Conditions of the site found during integration effort which are different from those documented may have an effect on the price of the system solution, integration or services. To ensure that you have an accurate proposal based on your facility and specific to the conditions of your project, please review all project documentation carefully.

Customer Responsibilities

Customer, at its expense, shall:

- A. Provide employees or agents of ACP CreativIT LLC:
 - reasonable access to the premises and facilities
 - suitable and easily accessible floor space that's close to the project area
 - necessary power and grounding
 - an environment that prevents equipment from over-heating and/or exposure to moisture
 - floor plans
 - any other information as needed
- B. Communicate all project related issues with ACP CreativIT LLC in a timely basis such that the project timeline is not imperiled.

- C. Provide all required licensing and software needed to ensure the timely backup of data as well as protection from viruses and other risks at all levels of the network.
- D. Confirm all drop ship items have arrived.
- E. Do not write on original packaging or boxes. Save all boxes and packing material as they are required for returns/rebates and repairs.
- F. Cover the cost of lift rentals, if necessary to access and/or install all equipment included in this project.
- G. Upon request and prior to scheduling, provide photographic confirmation of the completed customer responsibilities.
- H. Upon project completion, review and verify the system implemented by ACP CreativIT LLC.

Work Schedule/Billing Rate

Rates - Regular billing hours are 7:30am – 5:30pm Monday through Friday. Any work performed outside that range is billed at the after-hours rate. Refer to the Billing Rate Schedule below.

ACP CreativIT LLC will work with the customers schedule when after-hours work is required. ACP CreativIT LLC will confirm the installation timeframe with the customer.

<u>Time</u>	<u>Rate per Hour</u>
7:30am – 5:30pm (M-F)	Published Rate
5:30pm – 7:30am (M-F)	1.5x Published Rate
Saturdays (7:30am-5:30pm)	1.5x Published Rate
Saturdays (5:30pm-12:00am Sunday)	2x Published Rate
Sundays (until 7:30am Monday)	2x Published Rate
Holidays	3x Published Rate

Travel – For any customer within 60 miles of its corporate offices ACP CreativIT LLC charges for service from the time we leave our corporate office until the time our work is complete (i.e., we charge travel to the customer’s location, but not from). In addition, for all service calls greater than 60 miles from our offices, ACP CreativIT LLC reserves the right to charge an additional fee for zone travel charges. In addition, gas prices may at times, require us to include a small surcharge on dispatched trips from our technical team. Your account rep can explain how these charges may apply to you.

(continued on next page)

Labor – Labor for this project is to be billed as follows:

- ☐ **Time and Materials billed off Sales Order**
- ☐ **Time and Materials billed off Block**
- ☐ **Project Based** (*flat fee no matter how long it takes – excluding costs associated with change orders*)

Billing Rate – The billing rate for this project is based on current published rates:

Installation:	\$115/hr
Programming:	\$175/hr
Project Management:	\$150/hr
Design/Engineering:	\$175/hr
Network Engineer:	\$190/hr minimum (certification dependent)

Special Notes on Billing:

Terms

Consulting

Product

Labor

% to be Pre-Paid:
% to be Paid n/30:
% Special Terms:

% to be Pre-Paid:
% to be Paid n/30:
% Special Terms:

% to be Pre-Paid (from b
% to be Paid n/30:
% Special Terms:

Change Management

ACP CreativIT LLC will review change requests to this Statement of Work by you. As part of this review, ACP CreativIT LLC will prepare a Change Order (available upon request) that documents the request and, if applicable, any impact on the project schedule and pricing. ACP CreativIT LLC will incorporate the change into the project schedule and scope of work upon receipt of your signed Change Order. Changes requested can affect the implementation schedule and services quoted. The following personnel at your company are authorized to make change orders:

Name	Title
Name	Title
Name	Title

Planned Down Time

ACP CreativIT LLC will provide prior notice of any necessary system outages during the implementation. In case of unforeseen issues during the installation and cutover, ACP CreativIT LLC will make every effort to minimize any interruption.

Testing

ACP CreativIT LLC will verify that the system and features meet the customer's expectations, as laid out in this document. This includes ensuring that the present functionality of the system is still available unless directed otherwise.

First day of Service

On the first day of service, ACP CreativIT LLC will be available for the customer to discuss questions or issues they may have. We will document all issues and work quickly to resolve them.

Return Policies

We strive to provide our customers with the highest level of service possible. From first visit to order delivery and installation, we want you to be completely satisfied with your experience.

Unless specified, the manufacturer's product warranty does not cover the labor to fix defective product(s).

Unless specified otherwise, all products are covered by the manufacturer's warranty. Please identify any concerns that you have within 30 days of the invoice date. Any issues after the first 30 days will be subject to the restrictions and limitations imposed by our vendors.

All cancelled orders/returns are subject to a 15% restocking fee. Opened software is not returnable. Special order/non-stock items may not be returnable or may be subject to a higher restock fee. Vendor approval will be required prior to the return of opened hardware. Defective hardware may be returned for exchange only. Support blocks are non-refundable. Refund checks will be mailed.

A RETURN AUTHORIZATION ("R.A") REQUEST must be placed by filling out our online Return Authorization Request and is required for ALL returns. (Go to www.cccp.com and click on the Return Authorization Request Form link under Policies & Terms.). You will get a response within 48 hours of your request. Merchandise must be returned within 7 days of the issuance of the R.A.

Please do not write on original packaging or boxes. In addition, save all boxes and packing material as they are required for returns/rebates and repairs.

ACP CreativIT LLC inspects all returns and reserves the right to return merchandise that does not meet manufacturers return authorization criteria.

If you have additional questions, please email returns@cccp.com.

Programming

Programming performed by ACP CreativIT LLC is subject to a limited warranty. ACP CreativIT LLC warrants that the physical medium on which this programming is located is free from defects and that the products impacted by this programming will perform as outlined in this SOW. This limited warranty is good for 60 days from the date of invoice. See Programming Addendum to the SOW if applicable.

Supply Chain

Many of the industries we serve are experiencing considerably longer-than-normal lead times due to COVID-19 related shortages in raw material, production material, semiconductor and microchips, as well as other supply chain issues. As a result of these issues, equipment, material lead times and prices of products we use in the design of projects and customer proposals are subject to change, and may unexpectedly be discontinued without notice. ACP CreativIT/Camera Corner Connecting Point is not responsible for any hardship to our customers caused by these issues, though we will work diligently with the customer and our vendor partners to resolve these issues as quickly and as cost effectively as possible.

Disclaimers and Limitations of Liability

ACP CreativIT LLC WILL NOT UNDER ANY CIRCUMSTANCES BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO, PROPERTY DAMAGE, LOST TIME, LOSS OF USE OF ANY EQUIPMENT OR ANY OTHER DAMAGES RESULTING FROM THE BREAKDOWN OR FAILURE OF ANY EQUIPMENT OR FROM DELAYS IN SERVICING OR THE INABILITY TO RENDER SERVICE ON ANY EQUIPMENT. ACP CreativIT LLC LIABILITY FOR DAMAGES RESULTING FROM ANY CAUSE WHATSOEVER, INCLUDING, BUT NOT LIMITED TO, ACP CreativIT LLC NEGLIGENCE OR INSTALLATION OF DEFECTIVE PARTS OR COMPONENTS, WHETHER OR NOT SUCH DEFECT WAS KNOWN OR DISCOVERABLE, SHALL NOT EXCEED THE ACTUAL PRICE PAID TO ACP CreativIT LLC BY CLIENT FOR THE EQUIPMENT OR PARTS, WHICHEVER IS LESS.

Contact for Service

When you need to place a service call to ACP CreativIT LLC, please call us at (920) 438-0333. We will take your name, a brief description of the trouble, and a call back number. We will then contact one of our qualified associates to follow up on your request.

Statement of Confidentiality

This Statement of Work and proposal is the proprietary and confidential property of ACP CreativIT LLC. By accepting possession of this document, the company named in this document agrees to keep the contents in confidence and not to use, duplicate, or disclose for any purpose other than the purpose of evaluating ACP CreativIT LLC ability to provide the services herein, unless otherwise agreed to in writing by ACP CreativIT. On request by ACP CreativIT, the company named in this document agrees to return the copies of the Statement

of Work to ACP CreativIT, together with the other materials supplied by ACP CreativIT.

Non-Solicitation of Personnel

Client agrees not to solicit, directly or indirectly (through individuals, subsidiaries, holding companies, partnerships, subcontractors, employment agencies or any other financially related firms), nor to tender an offer for employment nor place on their payrolls any present ACP CreativIT LLC employee who becomes known to Client in connection with the proper performance of this Agreement during the term of this Agreement and for a period of one (1) year after its termination. In the event Client hires or contracts with a ACP CreativIT LLC employee in violation of the terms of this paragraph, the Client agrees to pay ACP CreativIT LLC as liquidated damages, and not as a penalty, an amount equal to one half of the employee's annual compensation, including but not limited to wages, bonuses and fringe benefits.

Post Installation Review

ACP CreativIT LLC wants to get your feedback to understand how we could serve you better, and improve our relationship with you. We may also ask for referrals or testimonials. Please feel free to contact us with any questions you may have.

Approval for Acceptance and Authorization of Project Completion

ACP CreativIT LLC will work with you to resolve any problems and answer any questions you have regarding the system implementation. Your signature of acceptance will be asked for upon completion of the project.

Approval for Contact Information/Logo Placement

ACP CreativIT LLC will place our logo and contact information on a 1U blank rack panel to provide you convenient contact information.

Approval for Pictures of Completed Project

ACP CreativIT LLC may take pictures of the equipment upon completion of the project. They will be primarily used to document the installation work and reference in the future if design changes or troubleshooting is required. Your signature of acceptance will be asked for upon completion of the project.

Other Approvals

Throughout this project, ACP CreativIT LLC may provide the customer with other documents requiring approval before we begin a particular phase of the project. Such documents are addendums of this document and are subject to all of the same guidelines stated in this document. A non-exhaustive list of examples would include a Programming Addendum to the SOW and a Custom Plate Addendum to the SOW.

Subcontractors

ACP CreativIT LLC may use subcontractors to assist on this project. All work by subcontractors will be directed and/or supervised by ACP CreativIT LLC staff. Tasks that subcontractors may be utilized for include the following:

- Low voltage cabling – including Cat. 6 cabling
- Conduit and raceway work as required
- Physical installation of devices and equipment

Remote Access

Unless specifically directed otherwise, ACP CreativIT LLC will install TeamViewer software on the any provided servers and create a ACP CreativIT LLC account on the system. This access will be used to facilitate service and repair issues as well as programming changes as directed by the owner.

Acceptance and Authorization of SOW

IN WITNESS WHEREOF, the parties hereto each acting with proper authority Accept this Statement of work

Project Name: Board Room AV - Mic & Camera

Nathan Treadwell	Jason Hussong	David Kalsow
Customer Printed Full Name	ACP CreativIT LLC Acct Rep Full Name	ACP CreativIT LLC Engineer Full Name
	Account Manager	Designer
Title	Title	Title
Signature	Signature	Signature
Date	Date	Date

An authorized signature on this document acknowledges that the customer has read our Return Policy located on the Company Info page of the ACP CreativIT LLC website www.cccp.com.

After all parties have signed, please provide original to customer and a copy to ACP CreativIT LLC.

Acceptance and Authorization of Project Completion

IN WITNESS WHEREOF, the parties hereto each acting with proper authority Accept this Statement of work

Project Name: Board Room AV - Mic & Camera

Nathan Treadwell	Jason Hussong	David Kalsow
Customer Printed Full Name	ACP CreativIT LLC Acct Rep Full Name	ACP CreativIT LLC Engineer Full Name
	Account Manager	Designer
Title	Title	Title
Signature	Signature	Signature
Date	Date	Date

Can we use you as a reference or testimonial for the work just completed? Yes _____ No _____

If no, may we ask why?

After all parties have signed, please provide original to customer and a copy to ACP CreativIT LLC.

531 N. Nash St.
P.O. Box 99
Hortonville, WI 54944-0099



Phone: 920-779-6011
Fax: 920-779-6552
www.hortonvillewi.org

ADMINISTRATION

clerktreas@hortonville.wi.gov

October 3, 2024

LICENSES

- Dog Licenses issued – 11 in September

-

ELECTIONS

- mail daily absentee ballot requests as they come in - 139 total to date
- Continue to do registration alerts in WisVote: duplicates, felons, death, and adjudicated incompetent
- Continue to do DMV checks (non-match) in WisVote
- Picked up General Election supplies from Outagamie County

WEBINARS/ZOOM MEETINGS/TRAININGS

- Weekly Department Head Meetings
- Weekly Staff Meetings
- WEC Webinar – Wisconsin Elections Threat Brief
- WEC Webinar – Voter Registration for Clerks

FINANCES

- M, W, F bank deposits
- Balance and reconcile accounts/journal entries/prepare invoices
- Approved payroll, initiated withdrawals
- Prepared EBC/HRA Reimbursement Invoices/other various invoices
- Completed the Quarterly Survey of Property Tax Collections

PUBLICATIONS

PUBLIC RECORD REQUESTS

- Public Records request for Drone information

OTHER

- Village Board agendas & packets, committee agendas
- Village Board minutes, committee minutes
- Other Committee/Commission meeting agendas & minutes as needed
- Real Estate Certificates – 3 in September

531 N. Nash St.
P.O. Box 99
Hortonville, WI 54944-0099



Phone: 920-779-6011
Fax: 920-779-6552
www.hortonvillewi.org

10/3/2024 Director of Public Works Report

Meetings attended:

- Staff meetings
- Department head meetings
- Meeting with McMahon on WWTF Final Compliance Alternatives Plan submission to the DNR
- Meeting with contractor for Splash Pad materials
- Pre-construction meeting with McMahon and contractor for Alonzo generator project
- Mid-year check in meetings with all staff
- Meeting with McMahon for bidding Terrace Manor
- Meeting with McMahon staff for Dam Inspection
- Meeting with High School to discuss Otto Miller Park
- Meeting with consultant to discuss Otto Miller Park Master Plan
- Meeting with MSA for GIS contract and Lead and Copper Requirements
- Construction update meeting for N. Mill Street
- Grant alternatives meeting with MSA

Current and past projects include:

- Annual sprinkler inspection by Complete Fire Solutions
- Installation of new playground and splash pad at Alonzo Park continuing
- Replacement broken water heater at MSC completed
- North Mill Street Reconstruction project continuing
- Lead and Copper service line inventory due by end of October

Sincerely,

A handwritten signature in blue ink, appearing to read "A. Steber".

Aaron Steber
Director of Public Works
Office: 920-779-6011
Cell: 920-378-3958



Kristine Brownson
Chief of Police

Hortonville Police Department
531 N Nash Street
Hortonville, WI 54944
Office (920)779-6165
Fax (920)779-6189
kbrownson@hortonvillepd.com



Police Chief Report—September 20- October 3, 2024

Community Programs

- Stuff the Cruiser Event for the Hortonville Food Pantry

Training and Department Meetings

- Department head meeting
- Attend Highway 15 weekly meetings.
- RTF (Rescue Task Force) Training with the Hortonville-Hortonia Fire and EMS. I coordinated with the Outagamie County Sheriff's Department to have them come to Hortonville to do part 1 of the training. Part 2 will be held in July of 2025.
- Met with the DPW and administrator concerning Homecoming Parade route

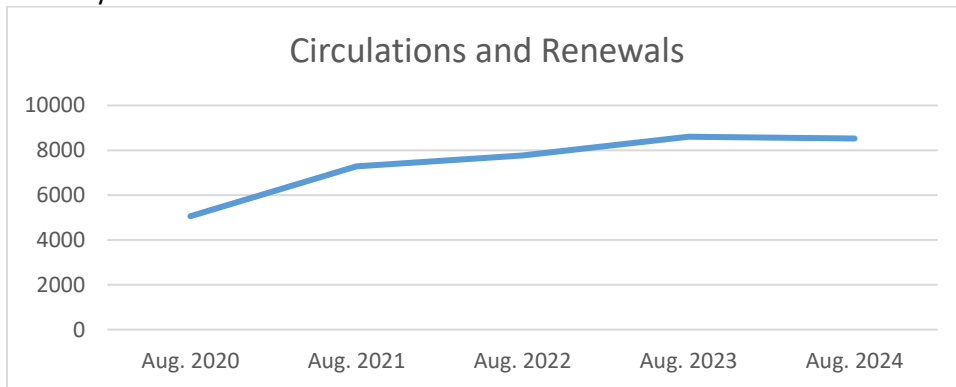
Misc Information

- Applied for a parade permit through Outagamie County Highway Department, Approved.

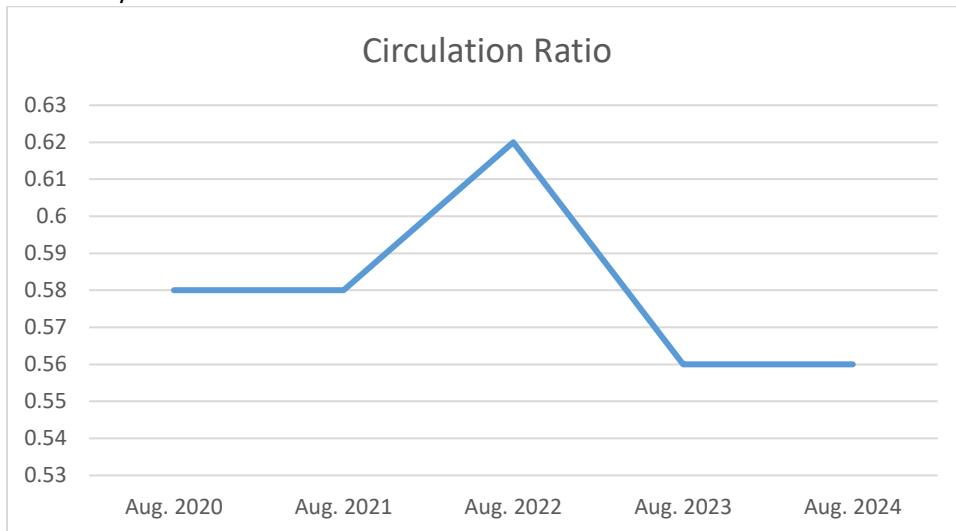
Village Board of Trustees Meeting- October 03, 2024

Library Director's Report

- Personnel Update
 - None
- Programming
 - Extending the WI State Park passes program- many passes left
 - October programs ready, planning for November and December programming
- Statistics
 - Monthly Year-to-Date Circulation



- Borrower/Lender Ratio



- Ongoing Projects & Miscellaneous
 - Collection development
 - Greenville Gazette submitted
- Meetings and Continuing Education
 - Regular meetings: Village Board, staffing, programming, department heads
 - Introduction to Digitization Projects course starts Monday, September 30

2024

SEPTEMBER

VILLAGE OF HORTONVILLE BUILDING PERMITS

Permit Number	Name	Address	Project	Estimated Proj. Cost	Permit Fee	Type
24-070	Chad Waller	715 Giese Street	Repair Electrical Service	1,056.00	80.00	res
24-071	Eric Leden	409 W Cedar	Emergency Panel Change	4,000.00	80.00	res
24-072	Matthew & Katelin Steege	108 Harris Way	10 x 16 Starage Shed	13,500.00	50.00	res
24-073	William Degeneffe	209 Emily Way	New Home	315,000.00	999.00	nsf
24-074	Linda & Tom Brouillard	117 Honeysuckle Drive	Replace 60,000 BTU Furnace	4,699.00	50.00	res
24-075	Sondra Gorham	142 Crystal Springs Dr	26kw Generator and Transfer Switch	13,523.20	80.00	res
24-076	Rick Rohm	3 Crestview Drive	Circuit Generator Installation	10,000.00	80.00	res
TOTALS				361,778.20		

2023			2024		
Permit Types	Number of Permits	Project Cost	Permit Types	Number of Permits	Project Cost
residential total	8	113354.00	residential total	6	46,778.20
new residential total	1	475000	new residential total	1	315,000.00
multi-family total			multi-family total		
comm/ind total	1	10500.00	comm/ind total		
municipal, public total			municipal, public total		
Total	10	\$598,854.00	Total	7	\$361,778.20

Prepared by Village office staff