

# LUMINIS

## CT152 CLERMONT POST TOP/POLE MOUNT

PROJECT NAME: QUANTITY: TYPE: SA2, SA4

- Performance optic series.
- Side mount or post-top attachment.
- Corrosion resistant diecast aluminum housing.
- High efficiency LED light engine with acrylics optics.
- Clear tempered glass.
- All stainless steel hardware.



**MATERIALS**  
Clermont is made of aluminum diecast offering exceptional precision and durability. The main housing is sealed with durable gasket. Features a high efficiency LED light engine, mounted on a recessed heat sink whose pattern is optimized for heat dissipation. The driver is preinstalled inside the main housing, sealed with gasket, and secured with four captive screws which makes it easy for maintenance.

**ELECTRICAL DRIVER**  
Standard driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compatibility (50-60Hz), operating temperature range of -40°C to +55°C -40°F to +131°F, output over voltage protection, output over current protection and output short circuit protection with auto-recovery. Optional 347V/480V available.

**LED LIGHT ENGINE**  
Offered in 2700K, 3000K, 3500K & 4000K / 80CRI, 70% LED lumen maintenance at 60,000 hours (L70/B50) based on IESNA LM-80-08 LED extrapolated life, calculated per IESNA TM-21-21.

**FINISH**  
Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

**CERTIFICATION**  
UL Certified to Canadian and U.S. safety standards. Certified for use in wet locations. Rated IP66/IP69. Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Actual performance may differ as a result of end-user environment and application.

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# LUMINIS

## CT103 CLERMONT WALL

PROJECT NAME: QUANTITY: TYPE: SAW

- Comfort optic series.
- Corrosion resistant diecast aluminum housing.
- Wall attachment.
- Indirect LED lighting on highly reflective dome for visual comfort.
- Clear tempered glass.
- All stainless steel hardware.



**MATERIALS**  
Clermont is made of aluminum diecast offering exceptional precision and durability. The main housing is sealed with durable gasket. LED boards are hidden between coated polymer that diffuses and reflects the light at 98%. It is UV stabilized and anisotropic, which does not attract dust. The driver is preinstalled inside the main housing, sealed with gasket, and secured with four captive screws which makes it easy for maintenance.

**ELECTRICAL DRIVER**  
Standard driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compatibility (50-60Hz), operating temperature range of -40°C to +55°C -40°F to +131°F, output over voltage protection, output over current protection and output short circuit protection with auto-recovery. Optional 347V/480V available.

**LED LIGHT ENGINE**  
Offered in 2700K, 3000K, 3500K & 4000K / 80CRI, 70% LED lumen maintenance at 60,000 hours (L70/B50) based on IESNA LM-80-08 LED extrapolated life, calculated per IESNA TM-21-21.

**FINISH**  
Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

**CERTIFICATION**  
UL Certified to Canadian and U.S. safety standards. Certified for use in wet locations. Rated IP65/IP69. Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Actual performance may differ as a result of end-user environment and application.

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# LUMINIS

## CT152 CLERMONT POST TOP/POLE MOUNT

PROJECT NAME: QUANTITY: TYPE: SA2, SA4

*SERIES	*LIGHT OUTPUT	*DISTRIBUTION	*CCT*	*VOLTAGE	*MOUNTING
CT152	Static White	SA2	27K 2700K	120 120V	PM Pole mount
	L1L50 5109 lm / 40w	LD2 Type II	30K 3000K	277 277V	PT4 Post top mounting on 0.4" pole†
	L1L80 7457 lm / 60w	LD3 Type III	35K 3500K	480 480V	
	L1L100 9778 lm / 80w	LD4 Type IV	40K 4000K	MVOLT 120V-277V	
	L1L120 11884 lm / 100w	LD5 Type V	40K 4000K	HVOLT 347V-480V	
	L1L180 18256 lm / 160w	AMB WaveLengths: 585nm to 597nm	WDIM 2200K-4000K		
	True Amber	TUWH 2700K-5000K			
	L1LK2A 2654 lm / 48w†				
	Warm Dimming	L1LDW 7801 lm / 76w†			
	Tunable White	L1LWT 6003 lm / 48w†			

CONTROLS	PHOTOCELL	SURGE PROTECTOR	EMERGENCY
NLTH nLight AIR 2.0 Integrated in head†	PH7 7-PIN receptacle with photocell sensor on head†	SP Surge protector	EM7 7W integral emergency battery, 90 min†
	PHSC 7-PIN receptacle with default shorting cap on head†		

SHIELDING ACCESSORIES	*FINISH	ENVIRONMENT
HS House side shield†	BKT Jet black	MG Marine grade paint**
	BZT Bronze	NT Natorium suitable**
	CHT Champagne	
	CNT Corten	
	DGT Gun metal	
	GRT Titanium gray	
	MST Matte silver	
	SGT Steel gray	
	WHT Snow white	
	RAL Custom matched color†	
	CAL RAL color†	

**NOTES**  
\* Denotes a required field.  
1- Available only with AME.  
2- Available only with WDIM. Not available with 347V, 480V, HVOLT or EMP.  
3- Available only with NLTH. Not available with 347V, 480V, HVOLT or EMP.  
4- For IESNA certification compliance, luminaires must be ordered with 3000K or warmer.  
5- Compatible with 1" O.D. pole only with 1.4" or 1.8" wall thickness.  
6- Not available with PH7, PHSC, 347V, 480V, HVOLT, EMP, WDIM, TUWH.

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# LUMINIS

## CT103 CLERMONT WALL

PROJECT NAME: QUANTITY: TYPE: SAW

*SERIES	*LIGHT OUTPUT	*CCT*	*VOLTAGE	*MOUNTING	CONTROLS
CT103	Static White	27K 2700K	120 120V	WM Wall mount	NLTH nLight AIR 2.0 Integrated in head†
	L1L26 2638 lm / 25w	30K 3000K	277 277V		RDIO Remote driver†
	L1L35 3686 lm / 35w	35K 3500K	347 347V		
	L1L45 4360 lm / 45w	40K 4000K	480 480V		
	L1L50 4986 lm / 55w	WDIM 2700K-4000K	MVOLT 120V-277V		
	L1L55 5604 lm / 65w	TUWH 2700K-5000K	HVOLT 347V-480V		
	Warm Dimming	L1LDW 5000 lm / 57w†			
	Tunable White	L1LWT 5000 lm / 57w†			
	Delivered lumens calculated at 4000K/80CRI for static white. Typical power consumption. Refer to LCF table for output at other CCTs. Delivered lumens calculated at 8000K/80CRI for warm dimming and tunable white. Type V identification. Typical power consumption. Refer to LCF table for outputs at other CCTs.				

FUSE	PHOTOCELL	SURGE PROTECTOR	EMERGENCY	*FINISH
FS Fuse	PH7 7-PIN receptacle with photocell sensor on head	SP Surge protector	EM7 7W integral emergency battery, 90 min†	BKT Jet black
	PHSC 7-PIN receptacle with default shorting cap on head			BZT Bronze
				CHT Champagne
				CNT Corten
				DGT Gun metal
				GRT Titanium gray
				MST Matte silver
				SGT Steel gray
				WHT Snow white
				CMC Custom matched color†
				RAL RAL color†

ENVIRONMENT
MG Marine grade paint**
NT Natorium suitable**

**NOTES**  
\* Denotes a required field.  
1- Available only with WDIM. Not available with 347V, 480V, HVOLT or EMP.  
2- Available only with NLTH. Not available with 347V, 480V, HVOLT or EMP.  
3- For IESNA certification compliance, luminaires must be ordered with 3000K or warmer.  
4- Not available with PH7, PHSC, 347V, 480V, HVOLT, EMP, WDIM, TUWH.  
5- Remotes mount 508-12" (D50mm) square enclosure with access cover. The remote enclosure must be interior. Cable between fixture and remote box is provided by others. Not available with 347V, 480V, HVOLT or EMP.  
6- Integral to luminaire housing. Integral is not suitable for temperatures under 0°C (32°F). Not available with 347V, 480V, HVOLT or EMP.  
7- Remote mount 508-12" (D50mm) square enclosure with access cover. Includes driver. The remote enclosure must be interior. Cable between fixture and remote box is provided by others. Not available with 347V, 480V, HVOLT or EMP.  
8- Contact factory to coordinate custom matching color.  
9- Specify RAL number.  
10- Marine grade paint for harsh, coastal environment and exposure to salt water. Additional delay required.  
11- Available only in WHT and BKT.

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# D-Series LED Bollard



**Specifications**  
Diameter: 8" Round (203.2mm)  
Height: 42" (1067mm)  
Weight (max): 27 lbs (12.25 kg)

Catalog Number	DSXB-12C-700-30K-ASY-MVOLT
Notes	
Type	SB

**Introduction**  
The D-Series LED Bollard is a stylish, energy-saving, long-life solution designed to perform the way a bollard should—with zero uplift. An optical leap forward, this full cut-off luminaire will meet the most stringent of lighting codes. The D-Series LED Bollard's rugged construction, durable finish and long-lasting LEDs will provide years of maintenance-free service.

## Ordering Information

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Control options	Other options	Finish (selected)
DSXB LED	Asymmetric 12C 12 LEDs†	350 350mA 450 450mA 14 530 530mA 14 700 700mA	30K 3000K 40K 4000K 50K 5000K AMBPC Amber phosphor coated AMBWL Amber limited wavelength 14	ASY Asymmetric 1 SYM Symmetric 1	MVOLT 120† 208† 240† 277† 347†	Shipped installed PE Photometric cell, button DPFC DMG 00-10v dimming photo cell outside fixture (for use with an external control separately) ELCW Emergency battery backup†	Shipped installed SF Single size (120, 277, 347V)† DF Double size (208, 240V) 14 H24 24" overall height H36 36" overall height FG Ground-fault fetoon outlet LAB Without anchor bolts LAB4 4-bolt retrofit base without anchor bolts†	DWNRD Natural aluminum DNAXD Dark bronze DBLXO Black DBRDX Textured dark bronze DBLKO Textured black DNATXD Natural aluminum DWHQD Textured white

Accessories	NOTES
MRAB U Anchor bolts for 508" 1	1 Only available in the 12C, ASY version.
	2 Only available in the 16C, SYM version.
	3 Only available with 450 AMBWL version.
	4 Not available with ELWCW.
	5 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V or 277V version only when ordering with fusing (SE, DP, optional), or photocell (PE option).
	6 Not available with 347V. Not available with fusing. Not available with 450 AMBWL.
	7 Single size (SB) requires 120, 277, or 347 voltage option. Double size (DF) requires 208 or 240 voltage option.
	8 MRAB U not available with LAB4 option.

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## Performance Data

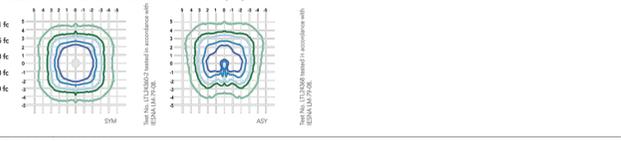
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual ratings may differ by +/- 8% when operating between 120-480V +/- 10%.

Light System	Type	Length	3000K				4000K				5000K				Lumens Footcandle			
			Lumens	lm/ft	lm/ft²	lm/ft²	Lumens	lm/ft	lm/ft²	lm/ft²	Lumens	lm/ft	lm/ft²	lm/ft²	lm/ft²	lm/ft²		
Asymmetric (12 LEDs)	350	16	1,594	75	1	1,263	80	1	1,291	81	1	1	1	1	1	1	1	
	530	22	1,719	78	1	1,847	84	1	1,859	85	1	1	1	1	1	1	1	
	700	31	2,173	70	1	2,335	75	1	2,349	76	1	1	1	1	1	1	1	
Amber 450	16																	
Symmetric (16 LEDs)	350	20	1,558	78	1	1,674	84	1	1,685	84	1	1	1	1	1	1	1	
	530	28	2,232	80	2	2,397	86	2	2,412	86	2	2	2	2	2	2	2	
	700	39	2,802	72	2	3,009	77	2	3,028	78	2	2	2	2	2	2	2	
Amber 450	20																	

Note: Available with phosphor-coated amber LED's homologue AMBPC. These LEDs produce light with 97-98% >530 nm. Output can be calculated by applying a 0.7 factor to 4000 K lumen values and photometric files.

Light System	Type	Length	3000K				4000K				5000K							
			Lumens	lm/ft	lm/ft²	lm/ft²	Lumens	lm/ft	lm/ft²	lm/ft²	Lumens	lm/ft	lm/ft²	lm/ft²				
Asymmetric (12 LEDs)	350	16	1,594	75	1	1,263	80	1	1,291	81	1	1	1	1	1	1	1	
	530	22	1,719	78	1	1,847	84	1	1,859	85	1	1	1	1	1	1	1	
	700	31	2,173	70	1	2,335	75	1	2,349	76	1	1	1	1	1	1	1	
Amber 450	16																	
Symmetric (16 LEDs)	350	20	1,558	78	1	1,674	84	1	1,685	84	1	1	1	1	1	1	1	
	530	28	2,232	80	2	2,397	86	2	2,412	86	2	2	2	2	2	2	2	
	700	39	2,802	72	2	3,009	77	2	3,028	78	2	2	2	2	2	2	2	
Amber 450	20																	

Note: Available with phosphor-coated amber LED's homologue AMBPC. These LEDs produce light with 97-98% >530 nm. Output can be calculated by applying a 0.7 factor to 4000 K lumen values and photometric files.



## FEATURES & SPECIFICATIONS

**INTENDED USE**  
The rugged construction and maintenance-free performance of the D-Series LED Bollard is ideal for illuminating building entrances, walkway paths and pedestrian plazas, as well as any other location requiring a low-mounting height light source.

**CONSTRUCTION**  
One-piece 8-inch round extruded aluminum shaft with thick side walls for extreme durability, and die-cast aluminum reflector and top cap. Die-cast aluminum mounting ring allows for easy leveling even in uneven areas and full 360-degree rotation for precise alignment during installation. Three 1/2" x 1/4" anchor bolts with double nuts and washers and 3/8" max. bolt circle template ensure stability. Overall height is 42" standard.

**FINISH**  
Exterior parts are protected by a zinc-inflated super durable TGIC thermoplastic powder coat finish that provides superior resistance to corrosion and weathering for maximum retention of gloss and luster. A tightly controlled multi-stage process ensures a minimum 3-mil thickness for a finish that can withstand the elements without cracking or peeling. Available in both textured and non-textured finishes.

**OPTICS**  
Two 05 upright optical distributions are available: symmetrical and asymmetrical. IP66 sealed LED light engine provides smoothly graduated illumination without uplift. IP66 engine are available in standard 4000 K (D-70-CR) or optional 3000 K (D-80-CR) or 5000 K (D-90-CR). Limited-wavelength amber LEDs are also available.

**ELECTRICAL**  
Light engines consist of high-efficiency LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (50,000 hours at 70°C at 25°C). Class 2 electronic drivers are designed for an expected life of 100,000 hours with < 1% failure rate. Electrical components are mounted on a removable power tray.

**LISTINGS**  
CSA certified to U.S. and Canadian standards. Light engines are IP66 rated. Rated for -40°C minimum ambient. Cold-weather emergency battery backup rated for -20°C minimum ambient.

**GOVERNMENT PROCUREMENT**  
BAA - Buy America Act: Product qualifies as a domestic end product under the Buy America Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.  
BABA - Buy America Act: Product qualifies as produced in the United States under the definitions of the Buy America, Buy America Act. Please refer to www.acuitybrands.com/buy-america for additional information.

**WARRANTY**  
Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/CustomResources/terms\_and\_conditions.aspx.

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

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DSXB-LED  
Rev. 3/26/24

# MKE ASSOCIATES, INC.

CONSULTING ENGINEERS  
MECHANICAL AND ELECTRICAL SYSTEMS  
6915 S. MACADAM AVE  
SUITE 200  
PORTLAND,



Catalog Number: FEM-L24-2000LM-IMACD-WD-80CRI-35K  
Notes: Type: SC

**FEATURES & SPECIFICATIONS**

**INTENDED USE** — A general purpose and energy-efficient surface-mounted or suspended LED fixture, suitable for wet, damp and/or cold locations. For vapor-tight demanding environments where moisture or dust is a concern and where relatively low fixture mounting heights and wide fixture spacing are common. Not for use or installation in direct overhead sunlight. Must be installed under canopy or covered ceiling. For direct sunlight installations, please refer to the E3 product family. Typical applications include industrial facilities, parking garages, retail malls, multi-purpose rooms, garden centers, and food processing. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** Click here for **Acrylic/Polycarbonate Compatibility table for suitable uses.**

**Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location.** Click here for **a list of substances that may not be suitable for interaction with LEDs and other electronic components.**

**CONSTRUCTION** — One-piece SVA fiberglass housing with integral perimeter channel utilizing continuous poured-in-place NEMA 4X gasket. Approved for through wiring. Captive polymeric latches are standard. Stainless steel latches (316SS) available as an option for food processing or more demanding applications. Power connection is easily accomplished through pre-drilled holes.

**OPTICS** — Injection molded, acrylic lens (580° thick) provides high impact-resistance comparable to 100% DE. A 4 stabilized polycarbonate diffuser is available (180° thick) in clear or frosted for additional impact strength where vandal protection is desired.

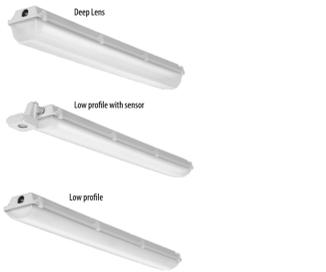
**INSTALLATION** — A pair of stainless steel (316SS) surface mount brackets (SMB) are included (unless another mounting option is chosen) allowing for surface (ceiling) or suspension mount applications using included ball with aircraft cable or chain. Optional pair of dual pendant mount brackets (DPMB) (316SS) are available for surface (ceiling) or suspension mount applications using either 3/8" threaded rod or included ball with aircraft cable or chain. Optional pair of angle mounting brackets (AMGBKT) (316SS) for horizontal wall mount applications.

**LISTINGS** — CSA Certified to UL and CUL Standards. Suitable for wet location, IP65, IP66, IP67 rated, NSF Splash Zone 2 and Non-Food Zone rated, NEMA Type 4X rated. Sensors maintain IP65 and IP66 only. See chart on page 5 for Ambient Temperatures. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/DLC](http://www.designlights.org/DLC) to confirm which versions are qualified.

**GOVERNMENT PROCUREMENT** — BAA — Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations. BAA — Build America Buy America Product with the BAA option also qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations. Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

**WARRANTY** — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/locations/warranty/terms-and-conditions](https://www.acuitybrands.com/locations/warranty/terms-and-conditions)

**NOTE:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



**Low-Profile Enclosed and Gasketed Industrial FEM LED DC2DC**

SURFACE/SUSPENDED/WALL MOUNT



**Capable Luminaire**

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency.
- This luminaire is part of an A+ Certified solution for rLight® control networks marked by a **shaded background**™.

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

\*See ordering tree for details

INDUSTRIAL FEM LED DC2DC Page 1 of 4

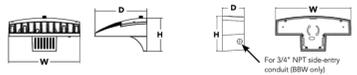


**D-Series Size 1 LED Wall Luminaire**

**Specifications Luminaire**

Width: 13-3/4" (34.9 cm)  
Depth: 10" (25.4 cm)  
Height: 6-3/8" (16.2 cm)

Back Box (BBW, E20WC)  
Width: 13-3/4" (34.9 cm)  
Depth: 4" (10.2 cm)  
Height: 6-3/8" (16.2 cm)



**Ordering Information**

Series	Lumen Package	CCT	CRI	Distribution	Voltage	Mounting	Control Options
DSXW1 LED	P1 2000 Lumens	27K 2700K	70CRI 70CRI	T2S SD Type 2 Short	120V	SRM Surface mounting bracket	PE Photoreactive coil, button type <sup>4</sup>
	P2 2200 Lumens	30K 3000K	80CRI 80CRI <sup>1</sup>	T2M Type 2 Medium	120V	SRM Surface mounting bracket	DMG 0-10v dimming wires pulled outside fixture for use with external control, ordered separately <sup>9</sup>
	P3 3200 Lumens	35K 3500K	AMCRI Amber CRI	T3L6 Type 3 Low	208 <sup>8</sup>	SBW Surface-mounted ball box (for conduit entry) <sup>1</sup>	PIR 180° motion/ambient light sensor, <15' range <sup>11</sup>
	P4 4200 Lumens	40K 4000K		T3M Type 3 Medium	240 <sup>8</sup>		PIRH 180° motion/ambient light sensor, 15-30' range <sup>11</sup>
	P5 5200 Lumens	50K 5000K		T3M Type 3 Medium	277 <sup>1</sup>		PIRHFCV Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1% <sup>12</sup>
	P6 7200 Lumens	57K 5700K		T4M Type 4 Medium	347 <sup>14</sup>		PIRHFCV Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1% <sup>12</sup>
	P7 10000 Lumens	AMPCP Amber PC <sup>1</sup>		TFM Forward Tapered Medium	480 <sup>14</sup>		PIRHFCV Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1% <sup>12</sup>

Other Options	Finish options
Shipped installed	DDBD Dark bronze
SF Single fuse (120, 277 or 347V) <sup>14</sup>	DBLD Black
DF Double fuse (208, 240 or 480V) <sup>14</sup>	DNLD Natural aluminum
SD Separate surge protection	DWDD White

**Accessories**

Order and shipped separately:

- DSXW1S 3000-4000 lumens per light output
- DSXW1M 5000-7000 lumens per light output
- DSXW1K 8000-10000 lumens per light output

**NOTES**

- Only available with P1 and P6 Packages.
- Not available with S7K.
- Only Available with AMCRI.
- Not available with HS Option.
- Single Fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Not available with P1 package. Not available with motion/ambient light sensors (PIR or PIRH). Not available with DMG.
- Back box ships installed on fixture. Cannot be field installed. Cannot be ordered as an accessory. Not Available with E20WC or E30WH.
- Photoconductive (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensor (PIR or PIRH).
- Reference Motion Sensor table on page 3. Not available with DMG.
- Not compatible with conduit entry applications. Not available with BBW mounting option. Not available with SF and DF fusing. Not available with 347-480 HVOLT voltage options. Emergency components located in back box housing. Not available with SPD.
- Not available with E20WC and E30WH.
- Also available as a separate accessory; see Accessories information.

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**LUMINIS**

EG151 ELLINGTON PENDANT/CATENARY

PROJECT NAME: QUANTITY: TYPE: SG



**MATERIALS**

Ellington's main housing is made of corrosion resistant A360 aluminum alloy, ensures optimal heat dissipation and a copper content of less than 0.1%. The optical lens is made of acrylic.

**ELECTRICAL DRIVER**

Driver is 0-10V dimming-ready (dims to 1%) with: 120-277 multi-volt (50-60Hz) or 347-480 high-volt (50-60Hz), operating temperature range of -40°C/-40°F to 45°C/103°F; output over-voltage protection, output over current protection and output short circuit protection with auto-recovery.

**LED LIGHT ENGINE**

Offered in 2700K/3000K/3500K/4000K CCT with 80 CRI. 70% LED lumen maintenance at 60,000 hours (L70/L60) based on IESNA LM-80-08 LED extrapolated life, calculated per IESNA TM-21-21.

**FINISH**

Five-stage preparation process including preheating of cast aluminum parts for air extraction, and an environmentally friendly alloy sealant. Polyester powder coating is applied through an electrostatic process and oven cured for long term finish.

**CERTIFICATION**

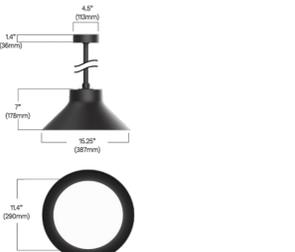
UL Certified to Canadian and U.S. safety standards. Certified for use in wet locations. Rated IP66/IP67. Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Actual performance may differ as a result of end-user environment and application.

**DESIGN**

Ellington mostly consists of aluminum (housing) and PMMA (optical lens), both of which are recyclable materials. In addition, its design minimizes the amount of assembling hardware needed. It can also be quickly disassembled to facilitate recycling.

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EG151 Rev. 10/16/25  
Page 1 of 6



**FEM LED Low-Profile Enclosed and Gasketed**

A+ Capable option indicated by this color background.

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. Example: FEM L48 4000LM IMAFI MD 57VDC 49K 80CRI

Series	Length	Nominal Lumens	Diffuser	Distribution	Voltage	Color temperature	CRI
FEM L48 45"	4000LM 4,000 lumens	IMAFI Acrylic, linear ribbed frosted lens	MD Medium	57VDC 57VDC	35K 3500K	80CRI 80 CRI	
	6000LM 6,000 lumens				40K 4000K	90CRI 90 CRI	

Controls	Options
Control Input: NLAIR2	ANGBKT Angle bracket shipped with fixture (316SS) † DPMB Dual pendant mounting bracket (316SS) † SPD Surge protection device, additional 10W/6A STL Stainless steel latches (316SS) TSS Tamper Resistant Torx® T10 screws (18-8SS)
rLight Wireless † NLAIR2 APIRKO	WLF Wet location fitting (see end) † WLFEND Wet location fitting (see end) † WLFEND2 Wet location fitting (both ends) † WLFEMP Wet location pendant monopoint †

NOTE: † indicates option chosen has ordering restrictions. Please reference ordering restrictions chart, below. Options are sorted alphabetically.

Option value	Restriction
MKCH 36	3 foot (36 inches) jack chain (pair)
MHRK120	10 foot (120 inches) single-leg air craft cable (ships as pair)
MHRK225S	18 foot (120 inches) single-leg air craft cable, stainless steel (ships as pair)
RK1 T10BT WIPN U	Hex base driver bit, Torx T10, for tamper resistant screws with center reject pin
FEMDPMB	Dual pendant mounting bracket (ships as a pair) (316SS) †
FEMANGBKT	Angle bracket (ships as pair) (316SS) †
FEMAMB	Surface mount bracket (ships as pair) (316SS) †



LITHONIA LIGHTING FEM LED DC2DC  
INDUSTRIAL: 1 Acuity Way, Decatur, GA 30035 Phone: 800-705-SERV (7378) [www.lithonia.com](http://www.lithonia.com)  
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Project: Location: Fixture Type: SF Catalog Number:

AVAILABLE FINISHES:

**Phantom WS-W1621**

**PRODUCT DESCRIPTION**

For a clean, architectural look, it's hard to beat the shallow depth of Phantom's mitered glass diffuser and the subtle nuance of its frame, which features thin crossbars rendered insightfully different widths. It's an effortless modern design surpassed only by the technology inside—that means the best LEDs available for the perfect mix of functional and ambient lighting. Created to weather any storm.

**FEATURES**

- 277V option available for special order.
- ACLED driverless technology
- S5 finish features 316 stainless steel hardware; BZ and GH finish features aluminum hardware
- White ceramic silk-screened mitered glass

**SPECIFICATIONS**

Rated Life: 54000 Hours  
Standards: ETL, cETL, Wet Location Listed, IP65, Title 24 JAB: 2019 Compliant  
Input: 120 VAC, 50/60Hz  
Dimming: ELV  
Color Temp: 3000K  
CRI: 90  
Construction: Aluminum with white mitered silk screen glass

**REPLACEMENT PARTS**

RPL-GLA-1621-01 - Inner Glass  
RPL-GLA-1621-02 - Outer Glass  
HDW-WS-W16XX - Hardware Pack

Model & Size	Color Temp	Finish	LED Watts	LED Lumens	Delivered Lumens
WS-W1621 21"	3000K	BZ Bronze	31.9W	2500	889

Example: **WS-W1621-BZ**  
\*For 277V special order, add an "F" before the finish: WS-W1621F-BZ  
For custom requests please contact [customs@moderforms.com](mailto:customs@moderforms.com)

ModernForms.com | Phone: (866) 810-6615 | Fax: (800) 526-2585  
Central Distribution Center: 1600 Distribution Ct, Lithia Springs, GA 30122  
Western Distribution Center: 1750 Archibald Avenue, Ontario, CA 91760  
MODERN FORMS

**LUMINIS**

EG151 ELLINGTON PENDANT/CATENARY

ORDERING CODE

*SERIES	*LIGHT OUTPUT	*DISTRIBUTION	*CCT	*VOLTAGE	*MOUNTING
EG151	L2L20 2250 lm / 25W	SYM Symmetric	27K 2700K	MVOLT 120V-277V	CAT3 Catenary suspension attachment
	L2L30 3180 lm / 37W	ASY Asymmetric	30K 3000K	HVOLT 347V-480V	SPG Black power cord with adjustable suspension cables
	L2L40 4087 lm / 50W	PATH Pathway	35K 3500K		STM Field-cutttable hang straight suspension stem
	L2L60 6661 lm / 90W <sup>1</sup>		40K 4000K		

SUSPENSION LENGTH	MOUNTING ACCESSORY	CONTROLS	FUSE	MOTION SENSOR	SURGE PROTECTOR
32IN 32" 24IN 24" 36IN 36" 48IN 48" 60IN 60"	STC Set of 3 stabilizer cables <sup>2</sup>	NLTH rLight AIR 2.0 Integrated in head <sup>3</sup>	FS Fuse	MS Motion sensor inside luminaire <sup>4</sup>	SP Surge protector

EMERGENCY	*FINISH	ENVIRONMENT
REM7 Remote emergency battery, 90 min, 7W <sup>5</sup>	BKT Jet black BZT Bronze CHT Champagne CNT Corten DGT Gun metal GRT Titanium gray MST Matte silver SGT Steel gray WHT Snow white	MT Marine grade paint <sup>6</sup> NT Natoriolum suitable <sup>7</sup>
	CMC Custom matched color <sup>8</sup> RAL RAL color <sup>9</sup>	

**NOTES**

- Denotes a required field
- Available only with SPH and PATH.
- Available only with SPH.
- Available only with SPH.
- Not available with MS, REM7, HVOLT. Must link to external night air network.
- Not available with NLTH, REM7, HVOLT.
- Remote motor 50W - 12" (305mm) square enclosure with access cover. The remote enclosure must be interior (Cable by remote). Not available with CAT3, HVOLT.
- Contact factory to coordinate custom matching color.
- Specify RAL number.
- Mounting plate used for harsh, coastal environment and exposure to salt water. Additional delay required.
- Not available with NLTH, REM7, HVOLT.
- Available only in HRT and BKT finish.

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SITE LIGHTING  
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ELC1.1

PROJECT NAME: QUANTITY: TYPE: **SH**

ORDERING CODE:



- Innovative cast aluminum arm that blends seamlessly with the luminaire. Capable of withstanding strong wind loads. Clamps to a 0.4" (10.2mm) or 0.6" (15.2mm) pole.
- Sleek and timeless silhouette with no visible hardware. Features a die-cast aluminum housing with an internally sealed driver.
- Recessed optical lens that delivers three distinct comfort light distributions: symmetric, asymmetric and pathway.
- High-performance and efficient LED engine featuring glare-reducing technology, delivering a uniformly illuminated surface enhancing visual comfort.



EG152-PC4



EG152-APA



EG152-APS



**MATERIALS**

Ellington's main housing is made of corrosion resistant A360 aluminum alloy, ensures optimal heat dissipation and a copper content of less than 0.1%. The optical lens is made of acrylic.

**ELECTRICAL DRIVER**

Driver is 0-10V dimming-ready (dims to 1%) with: 120-277 multi-volt (50-60Hz) or 347-480 high-volt (50-60Hz), operating temperature range of -40°C (-40°F) to 45°C (103°F), output over voltage protection, output over current protection and output short circuit protection with auto-recovery.

**LED LIGHT ENGINE**

Offered in 2700K/3000K/3500K/4000K CCT with 80 CRI, 70% LED lumen maintenance at 60,000 hours (L70/B50) based on IESNA LM-80-08 LED extrapolated life, calculated per IESNA TM-21-21.

**FINISH**

Five-stage preparation process including preheating of cast aluminum parts for air extraction, and an environmentally friendly alloy sealant. Polyester powder coating is applied through an electrostatic process and oven cured for long term finish.

**CERTIFICATION**

UL Certified to Canadian and U.S. safety standards. Certified for use in wet locations. Rated IP66/K07. Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Actual performance may differ as a result of end-user environment and application.

**DESIGN**

Ellington mostly consists of aluminum (housing) and PMMA (optical lens), both of which are recyclable materials. In addition, its design minimizes the amount of assembling hardware needed. It can also be quickly disassembled to facilitate recycling.

**WARRANTY**

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: <https://www.acuitybrands.com/support/warranty/terms-and-conditions>

**MOUNTING**

Clamps around 0.4" (10.2mm) or 0.6" (15.2mm) pole with a set of 4 x 1/4"-20 x 1" lg. socket head screws. See option details.

**MEASUREMENTS**

Maximum weight: 14.83 lbs (6.72 kg)  
EPA: 0.66 l/s



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EG152  
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**HSL13**  
Static White and Static Color  
Step Light 13

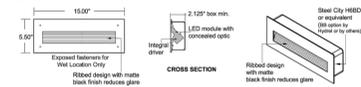
**HIGHLIGHTS**

- Integral Driver
- Long throw distribution
- Standard 0-10V dimming option
- Die-cast housing with solid aluminum, brass, or stainless steel faceplate
- Wet location listed
- Back Box provided by Hydrel or by others
- Suitable for concrete pour if BB option is chosen or Steel City back box is used

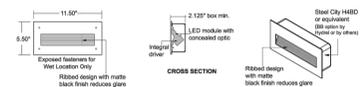


**DIMENSIONS**

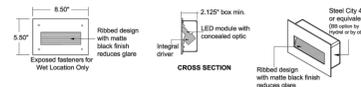
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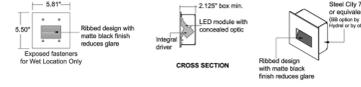
**9INCH**



**6INCH**



**3INCH**



**LUMEN PACKAGES**

Distribution	Delivered Lumens	Input Watts	Lumens/Watt
3INCH	87	3	29
6INCH	194	5	36
9INCH	299	8	37
12INCH	386	11	37

Performance data based upon 30K LED BRB

**ORDERING CODE**

*SERIES	*LIGHT OUTPUT	*DISTRIBUTION	*CCT	*VOLTAGE	*MOUNTING
EG152	L2L20	2250 lm / 25w	27K 2700K	MVOLT 120V-277V	PC4 0.4" Pole clamp mount
	L2L30	3180 lm / 37w			
	L2L40	4087 lm / 50w	35K 3500K	HVOLT 347V-480V	PCTW4 0.4" Pole clamp twin mount 180° offset <sup>1</sup>
	L2L50	5042 lm / 64w			
	L2L60	6661 lm / 90w <sup>3</sup>	40K 4000K		APA Pole mount shepherd arm attachment
					APS Post top shepherd arm attachment

Delivered lumens calculated at 4000K/BRBCL. Symmetric distribution. Refer to reference table for outputs at other distribution types. Typical power consumption. Refer to L2L table for outputs at other CCTs.

CONTROLS	MOTION SENSOR	SURGE PROTECTOR	*FINISH	ENVIRONMENT
NLTH nLight AIR 2.0 Integrated in head <sup>4</sup>	MS Motion sensor inside luminaire <sup>5</sup>	SP Surge protector	BKT Jet black BZT Bronze CHT Champagne CNT Corten DGT Gun metal GRT Titanium gray MST Matte silver SGT Steel gray WHT Snow white  CMC Custom matched color <sup>6</sup> RAL RAL color <sup>7</sup>	MG Marine grade paint <sup>8</sup> NT Nautarium suitable <sup>9</sup>

Looking for Fuse, Photocell?  
Refer to Luminis pole spec sheets.

- NOTES
- \* Denotes a required field
  1. Available only with SYM and PATH.
  2. Available only with SYM.
  3. If PCTW5 or PCTW6 is selected, fixture quantity ordered must be in increments of 2.
  4. Not available with MS, HVOLT. Not available with photocell option found on Luminis pole spec sheets. Must link to external AIR network.
  5. Not available with MS, HVOLT. Not available with photocell option found on Luminis pole spec sheets.
  6. Contact factory to coordinate custom matching color.
  7. Specify RAL number.
  8. Marine grade paint for harsh, coastal environment and exposure to salt water. Additional delay required.
  9. Available only in WHT and BKT finish.

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**ORDERING INFORMATION**

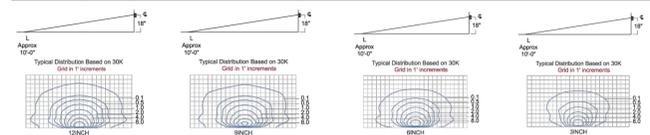
EXAMPLE: HSL13 3INCH LED 27K MVOLT L MINS BRB

Series*	Length*	Source*	Color Temperature*	Voltage*	Distribution*
HSL13 Step Light 13	3INCH 3" Nominal Length	LED 27K 2700K	AMBLW Amber Limited Wavelength 590nm	MVOLT Multi-Volt 120V thru 277V	L Long Throw
	6INCH 6" Nominal Length	30K 3000K	BLU Blue		
	9INCH 9" Nominal Length	35K 3500K	GRN Green		
	12INCH 12" Nominal Length	40K 4000K 50K 5000K	RED Red CYN Cyan RDO Red-Orange		

Dimming Optional	OPTION	Finish*
MINS Dimming Driver	BB Back Box Note: Includes BB if you need a back box, otherwise back box is by others. Note: Suitable for concrete pour if BB option is chosen or Steel City back box is used	BRB Brushed Brass BRSS Brushed Stainless Steel LRPS Light Bronze Paint Smooth POL Polished Brass w/ High-Gloss Clear PSS Polished Stainless Steel SGB Semi Gloss Black SGW Semi Gloss White CF Custom Finish RALTD RAL Paint Finishes Note: RALTD for pricing only, replace with applicable RAL call out when ready to order. See the BALBOCHURC for available options. It is recommended that Hydrel products only use textured paint.

\* Denotes a required field

**PERFORMANCE DATA**



Expected Life: Static White LED: L70 @ 60,000 hours  
Static Color LED: L70 @ 60,000 hours

**Lumen Multiplier Table for CCT**

CCT	Multiplier
27K	0.963
30K	1.000
35K	1.218
40K	1.153
50K	1.208
AMBLW	0.338
RED	0.409
GREEN	0.702
BLUE	0.364

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**SITE LIGHTING**

CUT

SHEETS

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**GENERAL NOTES:**

- ALL POLES FOR POLE MOUNT FIXTURES SHALL BE ORDERED TO PROVIDE A FIXTURE MOUNTING HEIGHT OF 14' ABOVE THE SURFACE TO BE LIGHTED.

**1  
 TYPE B**

Symbol	Label	QTY	Catalog Number	Description	Number Lamps	Lumens per Lamp	LLF	Wattage
SA2	SA2	15	CT152 L1L50 40K LD2 HS	CT152	1	3760	0.95	40
SA4	SA4	51	CT152 L1L50 40K LD4 HS	CT152	1	3862	0.95	40
SAW	SAW	12	CT103 L2L35 40K	CT103	1	3706	0.95	35
SB	SB	52	DSXB LED 12C 700 30K ASY	D-SERIES BOLLARD WITH 12 3000K LEDS OPERATED AT 700mA AND ASYMMETRIC DISTRIBUTION	1	2173	0.95	31
SC	SC	66	FEM L24 2000LM IMACD WD 80CRI 30K	FEM LED 24", 2,000 lumens, acrylic, clear deep lens, wide distribution, 80 CRI, 3000 K	1	2013	0.95	13.36
SD	SD	25	DSXW1 LED P3 35K 80CRI T2M HS	4000 3500K 80CRI Type 2 Medium	1	2498	0.95	21.05
SD1	SD1	9	DSXW1 P4 35K 80CRI T4M HS	5000 3500K 80CRI Type 4 Medium	1	3153	0.95	28.68
SF	SF	163	WS-W1621	Surface-mounted Luminaires	1	552	0.97	19.6858
SG	SG	18	EG151 L2L20 40K SYM	EG151	1	2250	0.95	25
SH	SH	9	EG152 L2L20 40K ASY	EG152	1	2050	0.95	74
ST	ST	7	HSL13 6INCH LED 30K L	Surface mount step light	1	190	0.95	5.34

Description	Symbol	Target Avg	Avg	Max	Min	Max/Min	Target Avg/Min	Achieved Avg/Min
ADA Parking 1 Section 1	+	2.0 fc	4.3 fc	6.0 fc	2.7 fc	2.2:1	3.0:1	1.6:1
ADA Parking 2 Section 1	+	2.0 fc	2.9 fc	3.5 fc	2.3 fc	1.5:1	3.0:1	1.3:1
Parking and Drive Isle Section 1	+	2.0 fc	2.4 fc	40.8 fc	0.5 fc	81.6:1	6.0:1	4.8:1
Pedestrian Path Section 1	+	2.0 fc	3.6 fc	41.7 fc	1.0 fc	41.7:1	4.0:1	3.6:1
Bike Parking Section 1	+	3.0 fc	3.5 fc	3.5 fc	3.5 fc	1.0:1	4.0:1	1.0:1
Dog Park and Picnic Areas	+	1.0 fc	1.0 fc	3.6 fc	0.2 fc	18.0:1	6.0:1	5.0:1
Hillside Light Trespass	+	<1.75fc Max	0.0 fc	0.0 fc	0.0 fc	N/A	N/A	N/A
Light Trespass Overall	+	<1.75fc Max	0.0 fc	0.4 fc	0.0 fc	N/A	N/A	N/A

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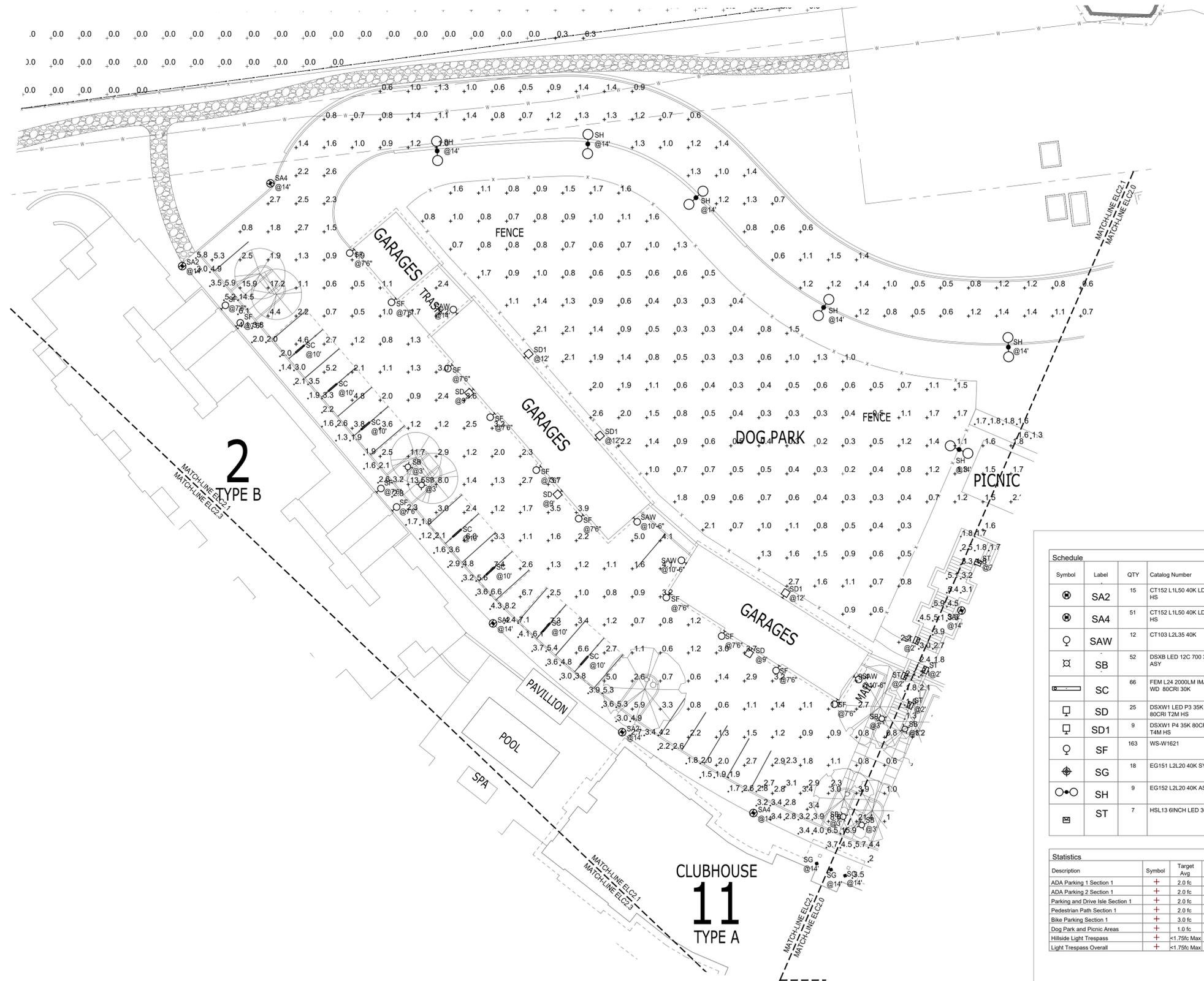
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SITE LIGHTING  
 PHOTOMETRIC -  
 NW SECTION 1



**GENERAL NOTES:**

- ALL POLES FOR POLE MOUNT FIXTURES SHALL BE ORDERED TO PROVIDE A FIXTURE MOUNTING HEIGHT OF 14' ABOVE THE SURFACE TO BE LIGHTED.

Symbol	Label	QTY	Catalog Number	Description	Number Lamps	Lumens per Lamp	LLF	Wattage
⊕	SA2	15	CT152 L1L50 40K LD2	CT152	1	3760	0.95	40
⊕	SA4	51	CT152 L1L50 40K LD4	CT152	1	3862	0.95	40
⊙	SAW	12	CT103 L2L35 40K	CT103	1	3706	0.95	35
⊗	SB	52	DSXB LED 12C 700 30K ASY	D-SERIES BOLLARD WITH 12 3000K LEDS OPERATED AT 700mA AND ASYMMETRIC DISTRIBUTION	1	2173	0.95	31
▭	SC	66	FEM L24 2000LM IMACD WD 80CRI 30K	FEM LED 24"; 2,000 lumens, acrylic, clear deep lens, wide distribution, 80 CRI, 3000 K	1	2013	0.95	13.36
⊕	SD	25	DSXW1 LED P3 35K 80CRI T2M HS	4000 3500K 80CRI Type 2 Medium	1	2498	0.95	21.05
⊕	SD1	9	DSXW1 P4 35K 80CRI T4M HS	5000 3500K 80CRI Type 4 Medium	1	3153	0.95	28.68
⊙	SF	163	WS-W1621	Surface-mounted Luminaire	1	552	0.97	19.6588
⊕	SG	18	EG151 L2L20 40K SYM	EG151	1	2250	0.95	25
⊙	SH	9	EG152 L2L20 40K ASY	EG152	1	2050	0.95	74
⊕	ST	7	HSL13 6INCH LED 30K L	Surface mount step light	1	190	0.95	5.34

Description	Symbol	Target Avg	Avg	Max	Min	Max/Min	Target Avg/Min	Achieved Avg/Min
ADA Parking 1 Section 1	+	2.0 fc	4.3 fc	6.0 fc	2.7 fc	2.2:1	3.0:1	1.6:1
ADA Parking 2 Section 1	+	2.0 fc	2.9 fc	3.5 fc	2.3 fc	1.5:1	3.0:1	1.3:1
Parking and Drive Isle Section 1	+	2.0 fc	2.4 fc	40.8 fc	0.5 fc	81.6:1	6.0:1	4.8:1
Pedestrian Path Section 1	+	2.0 fc	3.6 fc	41.7 fc	1.0 fc	41.7:1	4.0:1	3.6:1
Bike Parking Section 1	+	3.0 fc	3.5 fc	3.5 fc	3.5 fc	1.0:1	4.0:1	1.0:1
Dog Park and Picnic Areas	+	1.0 fc	1.0 fc	3.6 fc	0.2 fc	18.0:1	6.0:1	5.0:1
Hillside Light Trespass	+	<1.75fc Max	0.0 fc	0.0 fc	0.0 fc	N/A	N/A	N/A
Light Trespass Overall	+	<1.75fc Max	0.0 fc	0.4 fc	0.0 fc	N/A	N/A	N/A

1 SITE LIGHTING PHOTOMETRIC - NW SECTION 1



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SITE LIGHTING  
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**ELC2.2**

**GENERAL NOTES:**

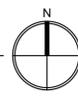
- ALL POLES FOR POLE MOUNT FIXTURES SHALL BE ORDERED TO PROVIDE A FIXTURE MOUNTING HEIGHT OF 14' ABOVE THE SURFACE TO BE LIGHTED.

Symbol	Label	QTY	Catalog Number	Description	Number Lamps	Lumens per Lamp	LLF	Wattage
⊙	SA2	15	CT152 L1L50 40K LD2 HS	CT152	1	3760	0.95	40
⊙	SA4	51	CT152 L1L50 40K LD4 HS	CT152	1	3862	0.95	40
⊙	SAW	12	CT103 L2L35 40K	CT103	1	3706	0.95	35
⊙	SB	52	DSXB LED 12C 700 30K ASY	D-SERIES BOLLARD WITH 12 3000K LEDS OPERATED AT 700mA AND ASYMMETRIC DISTRIBUTION	1	2173	0.95	31
⊙	SC	66	FEM L24 2000LM IMACD WD 80CRI 30K	FEM LED 24", 2,000 lumens, acrylic, clear deep lens, wide distribution, 80 CRI, 3000 K	1	2013	0.95	13.36
⊙	SD	25	DSXW1 LED P3 35K 80CRI T2M HS	4000 3500K 80CRI Type 2 Medium	1	2498	0.95	21.05
⊙	SD1	9	DSXW1 P4 35K 80CRI T4M HS	5000 3500K 80CRI Type 4 Medium	1	3153	0.95	28.68
⊙	SF	163	WS-W1621	Surface-mounted Luminaires	1	552	0.97	19.6858
⊙	SG	18	EG151 L2L20 40K SYM	EG151	1	2250	0.95	25
⊙	SH	9	EG152 L2L20 40K ASY	EG152	1	2050	0.95	74
⊙	ST	7	HSL13 6INCH LED 30K L	Surface mount step light	1	190	0.95	5.34

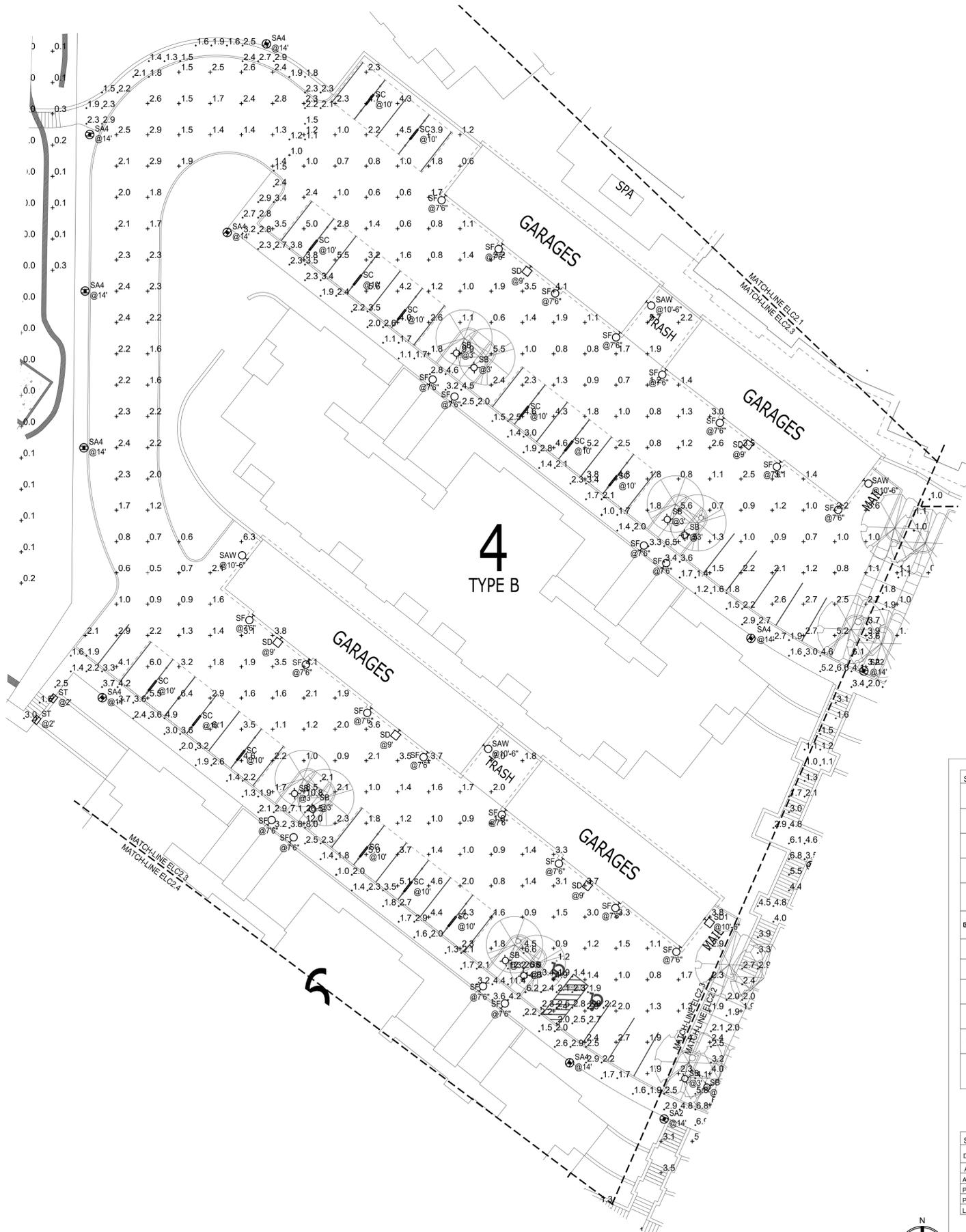
Statistics							
Description	Symbol	Target Avg	Achieved Avg	Max	Min	Max/Min	Achieved Avg/Min
ADA Parking 1 Section 2	+	2.0 fc	2.7 fc	8.0 fc	1.4 fc	5.7:1	3.0:1
ADA Parking 2 Section 2	+	2.0 fc	2.5 fc	6.2 fc	1.2 fc	5.2:1	3.0:1
Parking and Drive Isle Section 2	+	2.0 fc	2.4 fc	17.5 fc	0.5 fc	35.0:1	6.0:1
Pedestrian Path Section 2	+	2.0 fc	3.0 fc	26.9 fc	1.0 fc	26.9:1	4.0:1
Light Trespass Overall	+	<1.75fc Max	0.0 fc	0.4 fc	0.0 fc	N/A	N/A



1 SITE LIGHTING PHOTOMETRIC - WEST SECTION 2  
 1"=20'-0"



MODERA WEST LINN  
 ADDRESS  
 WEST LINN, OREGON



**GENERAL NOTES:**

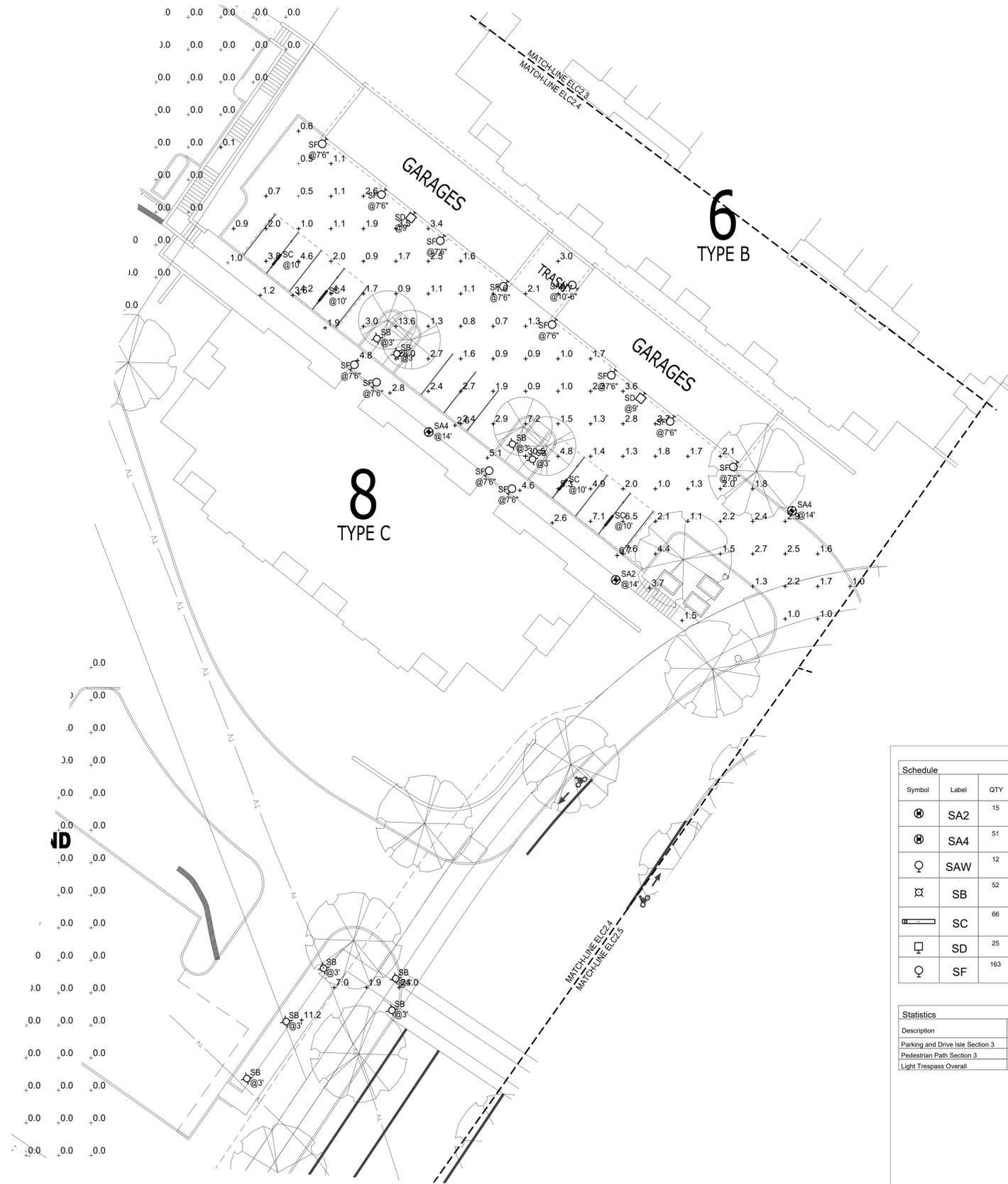
- ALL POLES FOR POLE MOUNT FIXTURES SHALL BE ORDERED TO PROVIDE A FIXTURE MOUNTING HEIGHT OF 14' ABOVE THE SURFACE TO BE LIGHTED.

Symbol	Label	QTY	Catalog Number	Description	Number Lamps	Lumens per Lamp	LLF	Wattage
⊕	SA2	15	CT152 L1L50 40K LD2 HS	CT152	1	3760	0.95	40
⊕	SA4	51	CT152 L1L50 40K LD4 HS	CT152	1	3862	0.95	40
○	SAW	12	CT103 L2L35 40K	CT103	1	3706	0.95	35
⊗	SB	52	DSXB LED 12C 700 30K ASY	D-SERIES BOLLARD WITH 12 3000K LEDES OPERATED AT 700mA AND ASYMMETRIC DISTRIBUTION	1	2173	0.95	31
▭	SC	66	FEM L24 2000LM IMACD WD 80CRI 30K	FEM LED 24", 2,000 lumens, acrylic, clear deep lens, wide distribution, 80 CRI, 3000 K	1	2013	0.95	13.36
⊕	SD	25	DSXW1 LED P3 35K 80CRI T2M HS	4000 3500K 80CRI Type 2 Medium	1	2498	0.95	21.05
⊕	SD1	9	DSXW1 P4 35K 80CRI T4M HS	5000 3500K 80CRI Type 4 Medium	1	3153	0.95	28.68
○	SF	163	WS-W1621	Surface-mounted Luminaires	1	552	0.97	19.6858
⊕	SG	18	EG151 L2L20 40K SYM	EG151	1	2250	0.95	25
○	SH	9	EG152 L2L20 40K ASY	EG152	1	2050	0.95	74
⊕	ST	7	HSL13 6INCH LED 30K L	Surface mount step light	1	190	0.95	5.34

Description	Symbol	Target Avg	Achieved Avg	Max	Min	Max/Min	Target Avg/Min	Achieved Avg/Min
ADA Parking 1 Section 2	+	2.0 fc	2.7 fc	8.0 fc	1.4 fc	5.7:1	3.0:1	1.9:1
ADA Parking 2 Section 2	+	2.0 fc	2.5 fc	6.2 fc	1.2 fc	5.2:1	3.0:1	2.1:1
Parking and Drive Isle Section 2	+	2.0 fc	2.4 fc	17.5 fc	0.5 fc	35.0:1	6.0:1	4.8:1
Pedestrian Path Section 2	+	2.0 fc	3.0 fc	26.9 fc	1.0 fc	26.9:1	4.0:1	3.0:1
Light Trespass Overall	+	<1.75fc Max	0.0 fc	0.4 fc	0.0 fc	N/A	N/A	N/A

1 SITE LIGHTING PHOTOMETRIC - EAST SECTION 2  
 1"=20'-0"

ELC2.3



**GENERAL NOTES:**

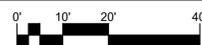
- ALL POLES FOR POLE MOUNT FIXTURES SHALL BE ORDERED TO PROVIDE A FIXTURE MOUNTING HEIGHT OF 14' ABOVE THE SURFACE TO BE LIGHTED.

MODERA WEST LINN  
 ADDRESS  
 WEST LINN, OREGON

Schedule								
Symbol	Label	QTY	Catalog Number	Description	Number Lamps	Lumens per Lamp	LLF	Wattage
⊕	SA2	15	CT152 L1L50 40K LD2 HS	CT152	1	3760	0.95	40
⊕	SA4	51	CT152 L1L50 40K LD4 HS	CT152	1	3862	0.95	40
⊙	SAW	12	CT103 L2L35 40K	CT103	1	3706	0.95	35
⊗	SB	52	DSXB LED 12C 700 30K ASY	D-SERIES BOLLARD WITH 12 3000K LEDES OPERATED AT 700mA AND ASYMMETRIC DISTRIBUTION	1	2173	0.95	31
▭	SC	66	FEM L24 2000LM IMACD WD 80CRI 30K	FEM LED 24", 2,000 lumens, acrylic, clear deep lens, wide distribution, 80 CRI, 3000 K	1	2013	0.95	13.36
⊞	SD	25	DSXW1 LED P3 35K 80CRI T2M HS	4000 3500K 80CRI Type 2 Medium	1	2498	0.95	21.05
⊙	SF	163	WS-W1621	Surface-mounted Luminaires	1	552	0.97	19.6858

Statistics								
Description	Symbol	Target Avg	Achieved Avg	Max	Min	Max/Min	Target Avg/Min	Achieved Avg/Min
Parking and Drive Iste Section 3	+	2.0 fc	3.0 fc	30.5 fc	0.5 fc	61.0:1	6.0:1	6.0:1
Pedestrian Path Section 3	+	2.0 fc	3.2 fc	6.7 fc	1.0 fc	6.7:1	4.0:1	3.2:1
Light Trespass Overall	+	<1.75fc-Max	0.0 fc	0.4 fc	0.0 fc	N/A	N/A	N/A

1 SITE LIGHTING PHOTOMETRIC - SECTION 3  
 1"=20'-0"



ISSUE DATE:

02/27/2026

SET TYPE:

SD

REVISIONS:

DRAWN BY:

DD

DESIGNED BY:

DD

CHECKED BY:

SL

MKE JOB #:

MC-6764

SITE LIGHTING

PHOTOMETRIC -

SECTION 3

ELC2.4



9  
TYPE E

10  
TYPE F

**GENERAL NOTES:**

- ALL POLES FOR POLE MOUNT FIXTURES SHALL BE ORDERED TO PROVIDE A FIXTURE MOUNTING HEIGHT OF 14' ABOVE THE SURFACE TO BE LIGHTED.

Symbol	Label	QTY	Catalog Number	Description	Number Lamps	Lumens per Lamp	LLF	Wattage
⊕	SA2	15	CT152 L1L50 40K LD2 HS	CT152	1	3760	0.95	40
⊕	SA4	51	CT152 L1L50 40K LD4 HS	CT152	1	3862	0.95	40
⊗	SB	52	DSXB LED 12C 700 30K ASY	D-SERIES BOLLARD WITH 12 3000K LEDS OPERATED AT 700mA AND ASYMMETRIC DISTRIBUTION	1	2173	0.95	31
▭	SC	66	FEM L24 2000LM IMACD WD 80CRI 30K	FEM LED 24", 2,000 lumens, acrylic, clear deep lens, wide distribution, 80 CRI, 3000 K	1	2013	0.95	13.36
□	SD	25	DSXW1 LED P3 35K 80CRI T2M HS	4000 3500K 80CRI Type 2 Medium	1	2498	0.95	21.05
○	SF	163	WS-W1621	Surface-mounted Luminaires	1	552	0.97	19.6858
⊙	SG	18	EG151 L2L20 40K SYM	EG151	1	2250	0.95	25

Description	Symbol	Target Avg	Avg	Max	Min	Max/Min	Target Avg/Min	Achieved Avg/Min
ADA Parking 1 Section 4	+	2.0 fc	1.9 fc	2.6 fc	1.1 fc	2.4:1	3.0:1	1.7:1
ADA Parking 2 Section 4	+	2.0 fc	4.0 fc	6.6 fc	2.2 fc	3.0:1	3.0:1	1.8:1
ADA Parking 3 Section 4	+	2.0 fc	2.6 fc	2.9 fc	2.2 fc	1.3:1	3.0:1	1.2:1
ADA Parking 4 Section 4	+	2.0 fc	2.6 fc	2.9 fc	2.1 fc	1.4:1	3.0:1	1.2:1
Parking and Drive Isle Section 4	+	2.0 fc	2.7 fc	35.3 fc	0.5 fc	70.6:1	6.0:1	5.4:1
Pedestrian Path Section 4	+	2.0 fc	3.3 fc	35.6 fc	1.0 fc	35.6:1	4.0:1	3.3:1
Bike Parking 1 Section 4	+	3.0 fc	14.0 fc	14.0 fc	1.0 fc	1.0:1	4.0:1	1.0:1
Bike Parking 2 Section 4	+	3.0 fc	3.1 fc	3.1 fc	3.1 fc	1.0:1	1.0:1	1.0:1
Light Trespass Overall	+	<1.75fc Max	0.0 fc	0.4 fc	0.0 fc	N/A	N/A	N/A

MODERA WEST LINN  
 ADDRESS  
 WEST LINN, OREGON

ISSUE DATE:  
02/27/2026

SET TYPE:  
SD

REVISIONS:

DRAWN BY:  
DD

DESIGNED BY:  
DD

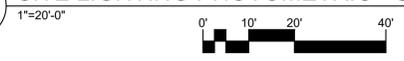
CHECKED BY:  
SL

MKE JOB #:  
MC-6764

SITE LIGHTING  
PHOTOMETRIC -  
SECTION 4

ELC2.5

1 SITE LIGHTING PHOTOMETRIC - SECTION 4





EXPIRES 12-31-26

**MODERA WEST LINN**  
**TANLER DR. & BLANKENSHIP ROAD**  
**WEST LINN, OREGON**

ISSUE DATE:  
02/27/2026

SET TYPE:  
SD

REVISIONS:

DRAWN BY:  
DD

DESIGNED BY:  
DD

CHECKED BY:  
SL

MKE JOB #:  
MC-6764

STREET  
LIGHTING  
TITLE SHEET

**ILC0.1**

**STREET LIGHT LEGEND:**

-  S=PVC SCHEDULE 40 CONDUIT SIZE (INCH)
-  LUMINARIES POLE NUMBER (X=NUMBER).
-  EXISTING LUMINARIES
-  INSTALL P.G.E. APPROVED JUNCTION BOX 13"X24"X18", SEE SHEET IL.x.x FOR ADDITIONAL INFORMATION.
-  INSTALL GROUND WIRE PER SECTION 02920.23
-  INSTALL 3 #10 AWG WIRE SIZE P.G.E. APPROVED CONDUCTORS
-  POLY PULL-LINE (500# MINIMUM STRENGTH)
- S1 P.G.E. APPROVED STREET LIGHT FIXTURE

**APPROVED SL EQUIPMENT:**

- JUNCTIONS BOXES SHALL BE P.G.E. APPROVED SPLICE BOXES. P.G.E. APPROVED BOXES ARE. SEE DETAILS FOR MORE INFORMATION

<u>JB/PGE</u>	<u>CATALOG #:</u>
<u>MANUFACTURER:</u>	FCA132418T-00043
NEWBASIS	13241712
OLDCASTLE	CHA132418HE1
HIGHLINE	AL132A107017T
ARMORCAST	

- LUMINARIES SHALL BE P.G.E. APPROVED

<u>MANUFACTURER:</u>	<u>CATALOG #:</u>	<u>TAG:</u>
LEOTEK	GCJ2-20H-MV-WW-2R-GY-700-FDC-PCR7-WL-RWG-PGE	S1

- PHOTOELECTRIC CONTROL RELAY IS PROVIDED AND INSTALLED BY PGE.

- 30 FT ALUMINUM POLE WITH 6' SINGLE- CU276 SHALL BE INSTALLED.

<u>MANUFACTURER:</u>	<u>CATALOG #:</u>
VALMONT	270845805T4/1MA0632B45-SBF-11"BC
HADCO	21-585PGE
P&K POLE	RTA8L30AAS1632D

- POLE ANCHOR BASE SHALL BE PROVIDED BY P.G.E. AND INSTALLED BY CONTRACTOR SEE DETAIL 3/IL3.0 FOR MORE INFORMATION

<u>MANUFACTURER:</u>	<u>CATALOG #:</u>
OLDCASTLE	5CL-LB-PGE

**GENERAL REQUIREMENTS:**

- TRENCHES TO BE 48" DEEP WHEN SHARED WITH OTHER UTILITIES. WHEN OTHER UTILITIES ARE NOT PRESENT, MINIMUM TRENCH DEPTH IS 36". MAINTAIN 12 VERTICAL INCHES AND 24 HORIZONTAL INCHES CLEARANCE BETWEEN GAS AND OTHER UTILITIES.
- CONTACT P.G.E. FOR INSPECTION OF ALL CONDUIT AND VAULT INSTALLATIONS.
- LOCATIONS OF CONDUITS AND JUNCTION BOXES ARE DIAGRAMMATIC. COORDINATE WITH UTILITIES AND OTHER DIVISIONS TO ENSURE COMPLETE AND PROPER INSTALLATION.
- ALL CONDUIT AND ELBOWS ENDS SHALL BE SMOOTH AND FREE OF BURRS AND ROUGH EDGES.
- P.G.E. IS RESPONSIBLE FOR IDENTIFYING THE POWER SOURCE. THE CONTRACTOR IS RESPONSIBLE FOR THE CONDUIT RUNS BASED ON P.G.E.'S PLANS, THE CONTRACTOR SHALL COORDINATE WORK WITH JOSE GRAJEDA, P.G.E. STREET LIGHTING SPECIALIST 503-323-6700.
- MAINTAIN A 10'-0" CLEARANCE FROM ALL OVERHEAD POWER LINES AT ALL TIMES DURING AND AFTER CONSTRUCTION. CONTACT P.G.E. WHEN WORKING NEAR REQUIRED CLEARANCE OR IF THE CLEARANCE WILL BE ENCRACHED UPON BY WORKERS DURING CONSTRUCTION.
- COORDINATE STREET LIGHT LOCATION WITH ALL EXISTING UNDERGROUND UTILITIES.
- ALL ELECTRICAL EQUIPMENT SHALL CONFORM TO THE CURRENT STANDARDS OF THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA) AND THE UNDERWRITER LABORATORIES, INC (U.L.) WHEREVER APPLICABLE. IN ADDITION TO THE REQUIREMENTS OF THE PLANS, STANDARD SPECIFICATIONS, AND THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CURRENT REQUIREMENT OF THE NATIONAL ELECTRICAL CODE (NEC) THE NATIONAL ELECTRICAL SAFETY CODE, STANDARDS OF THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), AND ANY LOCAL ORDINANCES WHICH MAY APPLY.
- ALL NEW STREET LIGHTS SHALL BE P.G.E. OPTION A (P.G.E. OWNED AND MAINTAINED).
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO P.G.E. STANDARDS, AND THE PLANS.
- ALL EQUIPMENT SUBMITTALS ARE TO BE SUBMITTED TO P.G.E. FOR APPROVAL.
- HAND HOLE SHALL BE 90 DEGREES FROM CURB WHILE FACING ONCOMING TRAFFIC.
- GENERAL NOTES ARE TYPICAL FOR EACH SHEET.

**SYMBOLS & ABBREVIATIONS**

(E)	EXISTING TO REMAIN
(F)	FUTURE
A, AMP	AMPERES
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	EQUIPMENT SHORT CIRCUIT INTERRUPT RATING.
AL	ALUMINUM
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CU	COPPER
DISC	DISCONNECT
DIA	DIAMETER
DIV	DIVISION
DP	DISTRIBUTION PANEL
DWG	DRAWING
ENCL	ENCLOSURE
FBO	FURNISHED BY OTHERS
FC	FOOT CANDLES
GND	GROUND
IG	ISOLATED GROUND
IC	INTERCONNECT
KCMIL	THOUSAND CIRCULAR MILS
KW	KILOWATTS
KVA	KILOVOLT-AMPERES
LTG	LIGHTING
LCP	LIGHTING CONTROL PANEL
MAX	MAXIMUM
MB	MAIN BREAKER
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MFGRS ASSOCIATION.
NTS	NOT TO SCALE
PH, Ø	PHASE
PNL	PANEL
SL	STREET LIGHT
TYP	TYPICAL
V	VOLTS
VA	VOLT-AMPERES
VR	VANDAL RESISTANT
W	WATT
WI	WITH
W/O	WITHOUT
WP	WEATHERPROOF
	POLE ARM MOUNT LIGHT FIXTURE
	PHOTOCELL
	JUNCTION BOX

**DRAWING INDEX**

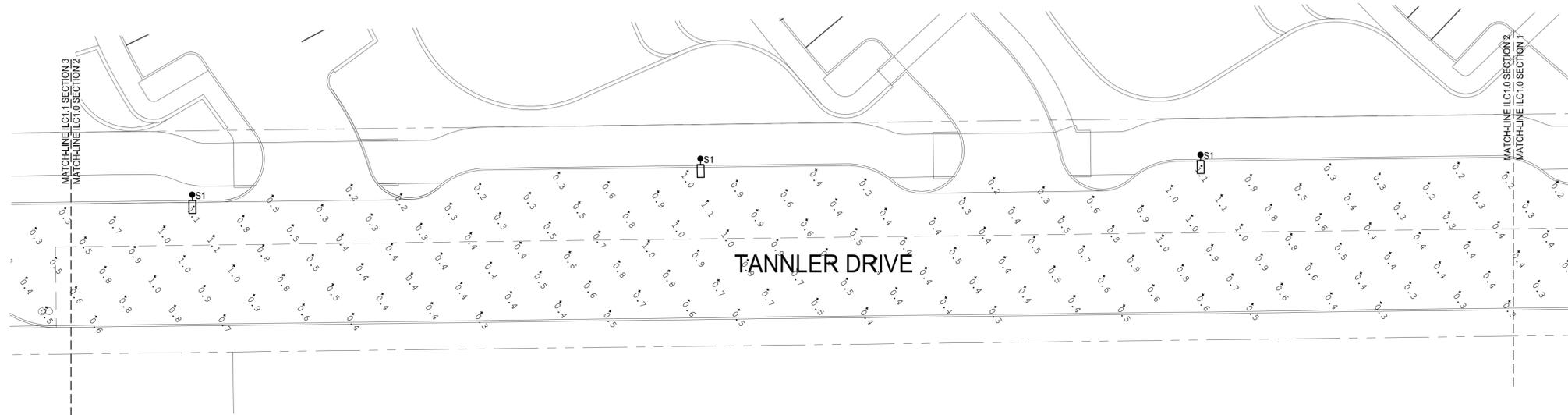
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IL0.1	STREET LIGHTING TITLE SHEET
IL1.0	STREET LIGHTING PHOTOMETRIC - TANLER DR SECTION 1 & 2
IL1.1	STREET LIGHTING PHOTOMETRIC - TANLER DR SECTION 3 & 4
IL1.2	STREET LIGHTING PHOTOMETRIC - BLANKENSHIP ROAD

Luminaire Schedule						
Symbol	Qty	Label	Tag	LLF	Luminaire Lumens	Luminaire Watts
●	11	GCJ2-20H-MV-WW-2R-XX-700 S	S1	0.910	5017	44.8

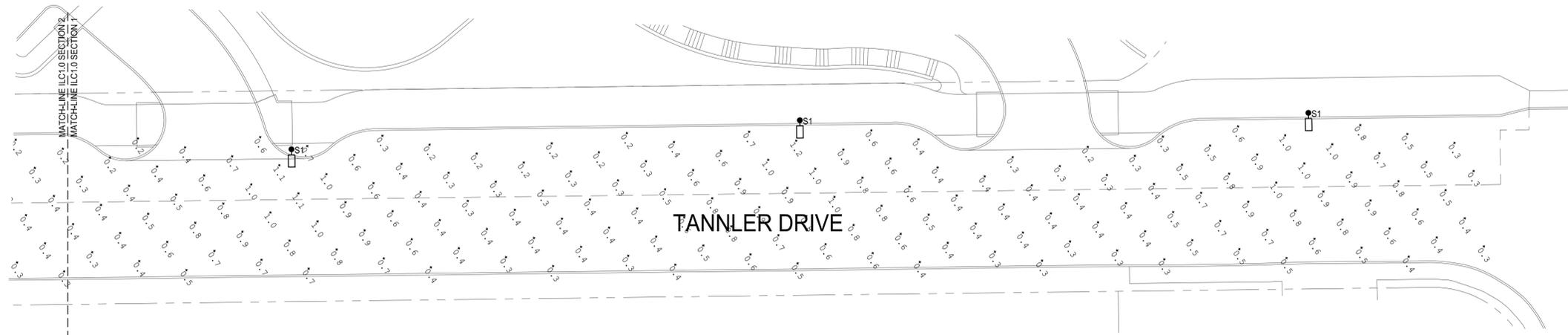
Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
TANNLER DRIVE COLLECTOR-RESIDENTIAL	Illuminance	Fc	0.60	1.2	0.2	3.00	6.00

Street Classification	Zoning Classification	Average Maintained Illumination	Uniformity Average to Minimum
Arterials	Non-Residential Residential	1.1 foot-candles 0.8 foot-candles	3 to 1
Collector	Non-Residential Residential	0.8 foot-candles 0.5 foot-candles	4 to 1
Neighborhood Route and Local	Non-Residential Residential	0.6 foot-candles 0.4 foot-candles	6 to 1

TATET VALUES



2 STREET LIGHTING PHOTOMETRIC - TANNLER DR. SECTION 2  
 1"=20'-0"



1 STREET LIGHTING PHOTOMETRIC - TANNLER DR. SECTION 1  
 1"=20'-0"



MODERA WEST LINN  
 TANNLER DR. & BLANKENSHIP ROAD  
 WEST LINN, OREGON

ISSUE DATE:  
02/27/2026  
 SET TYPE:  
SD

REVISIONS:

DRAWN BY:  
DD  
 DESIGNED BY:  
DD

CHECKED BY:  
SL

MKE JOB #:  
MC-6764

STREET LIGHTING  
 PHOTOMETRIC -  
 TANNLER DR. SECTIONS 1 & 2

ILC1.0

MODERA WEST LINN  
 TANNER DR. & BLANKENSHIP ROAD  
 WEST LINN, OREGON

ISSUE DATE:	02/27/2026
SET TYPE:	SD
REVISIONS:	
DRAWN BY:	DD
DESIGNED BY:	DD
CHECKED BY:	SL
MKE JOB #:	MC-6764
STREET LIGHTING PHOTOMETRIC - TANNER DR. SECTIONS 3 & 4	

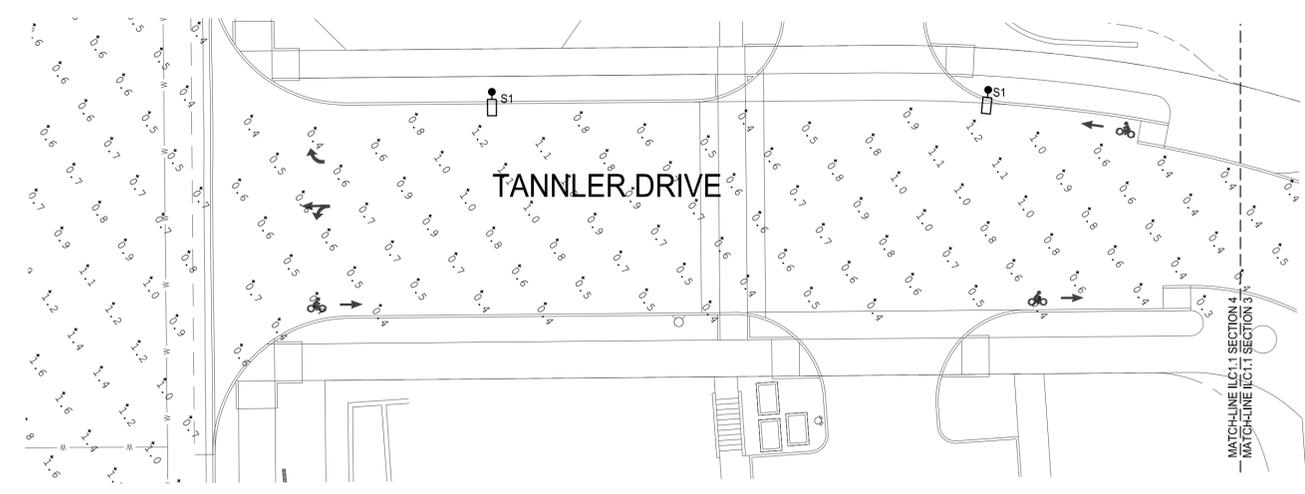
**ILC1.1**

Street Classification	Zoning Classification	Average Maintained Illumination	Uniformity Average to Minimum
Arterials	Non-Residential Residential	1.1 foot-candles 0.8 foot-candles	3 to 1
Collector	Non-Residential Residential	0.8 foot-candles 0.5 foot-candles	4 to 1
Neighborhood Route and Local	Non-Residential Residential	0.6 foot-candles 0.4 foot-candles	6 to 1

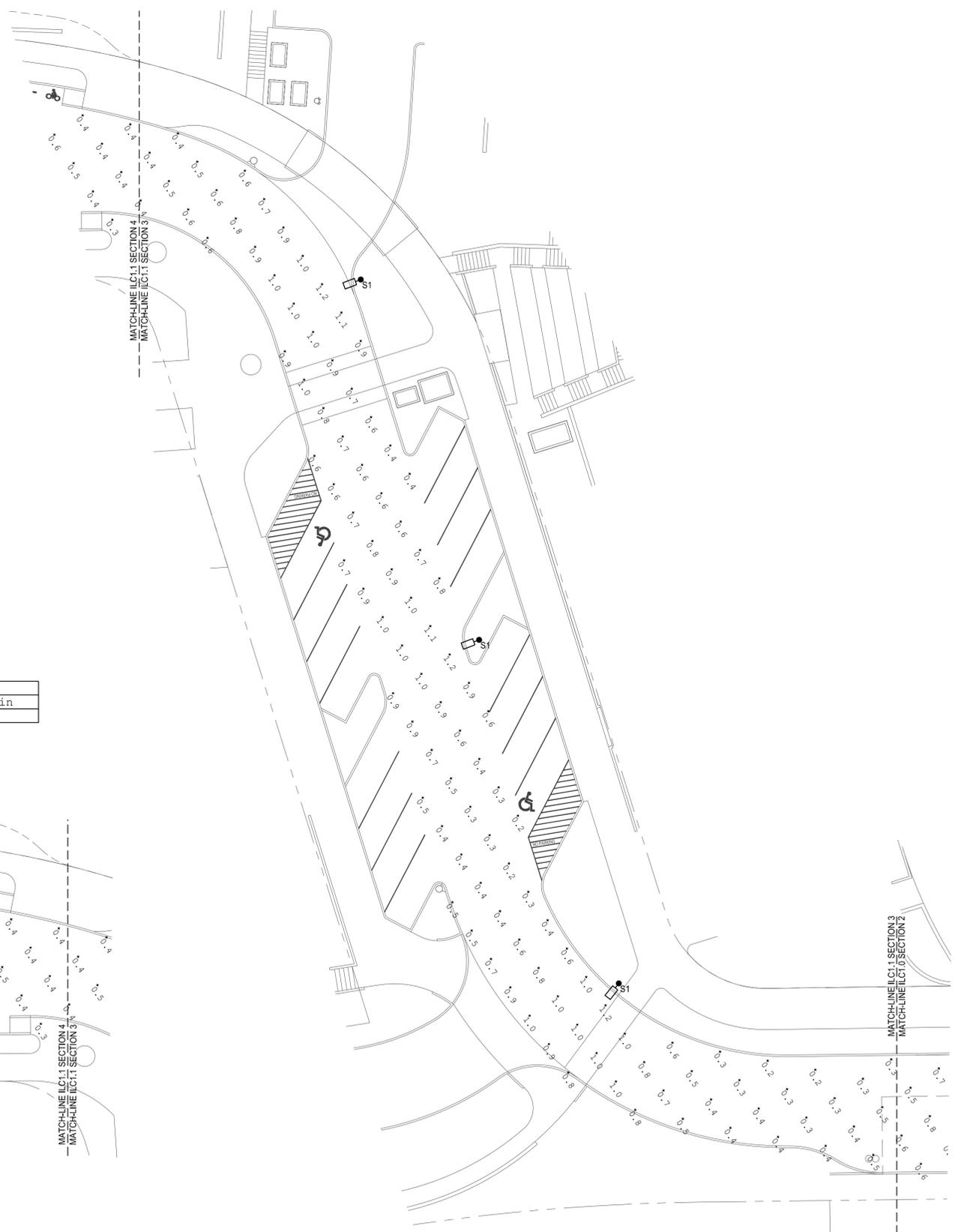
TATET VALUES →

Luminaire Schedule						
Symbol	Qty	Label	Tag	LLF	Luminaire Lumens	Luminaire Watts
☐	11	GCJ2-20H-MV-WW-2R-XX-700 S	S1	0.910	5017	44.8

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
TANNER DRIVE COLLECTOR-RESIDENTIAL	Illuminance	Fc	0.60	1.2	0.2	3.00	6.00



2 STREET LIGHTING PHOTOMETRIC - TANNER DR. SECTION 4  
 1"=20'-0"



1 STREET LIGHTING PHOTOMETRIC - TANNER DR. SECTION 3  
 1"=20'-0"



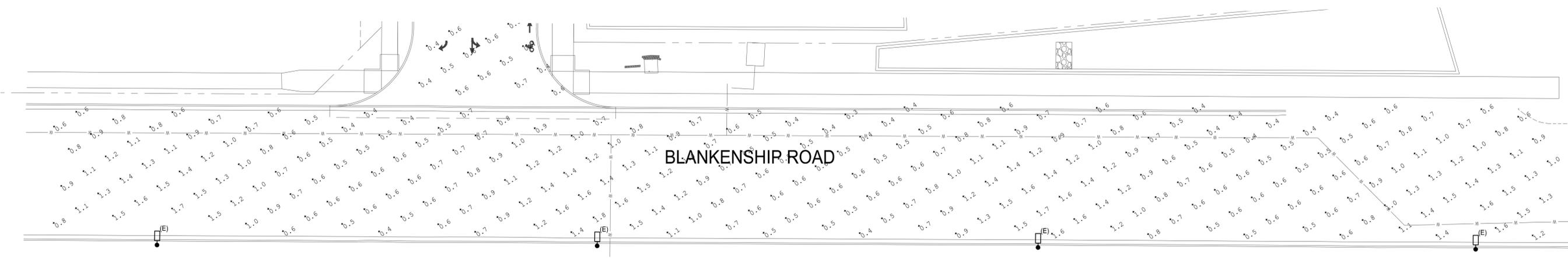
MODERA WEST LINN  
 TANNER DR. & BLANKENSHIP ROAD  
 WEST LINN, OREGON

TARGET VALUES →

Street Classification	Zoning Classification	Average Maintained Illumination	Uniformity Average to Minimum
Arterials	Non-Residential Residential	1.1 foot-candles 0.8 foot-candles	3 to 1
Collector	Non-Residential Residential	0.8 foot-candles 0.5 foot-candles	4 to 1
Neighborhood Route and Local	Non-Residential Residential	0.6 foot-candles 0.4 foot-candles	6 to 1

Luminaire Schedule						
Symbol	Qty	Label	Tag	LLF	Luminaire Lumens	Luminaire Watts
□	5	GCM2-40H-MV-WW-2R-XX-700 S	(E)	0.910	10331	88

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
BLANKENSHIP RD.COLLECTOR-NON RESIDENTIAL)	Illuminance	Fc	0.87	1.8	0.3	2.90	6.00



1 STREET LIGHTING PHOTOMETRIC - BLANKENSHIP ROAD  
 1"=20'-0"



ISSUE DATE: 02/27/2026
SET TYPE: SD
REVISIONS:
DRAWN BY: DD
DESIGNED BY: DD
CHECKED BY: SL
MKE JOB #: MC-6764
STREET LIGHTING PHOTOMETRIC - BLANKENSHIP ROAD

ILC1.2