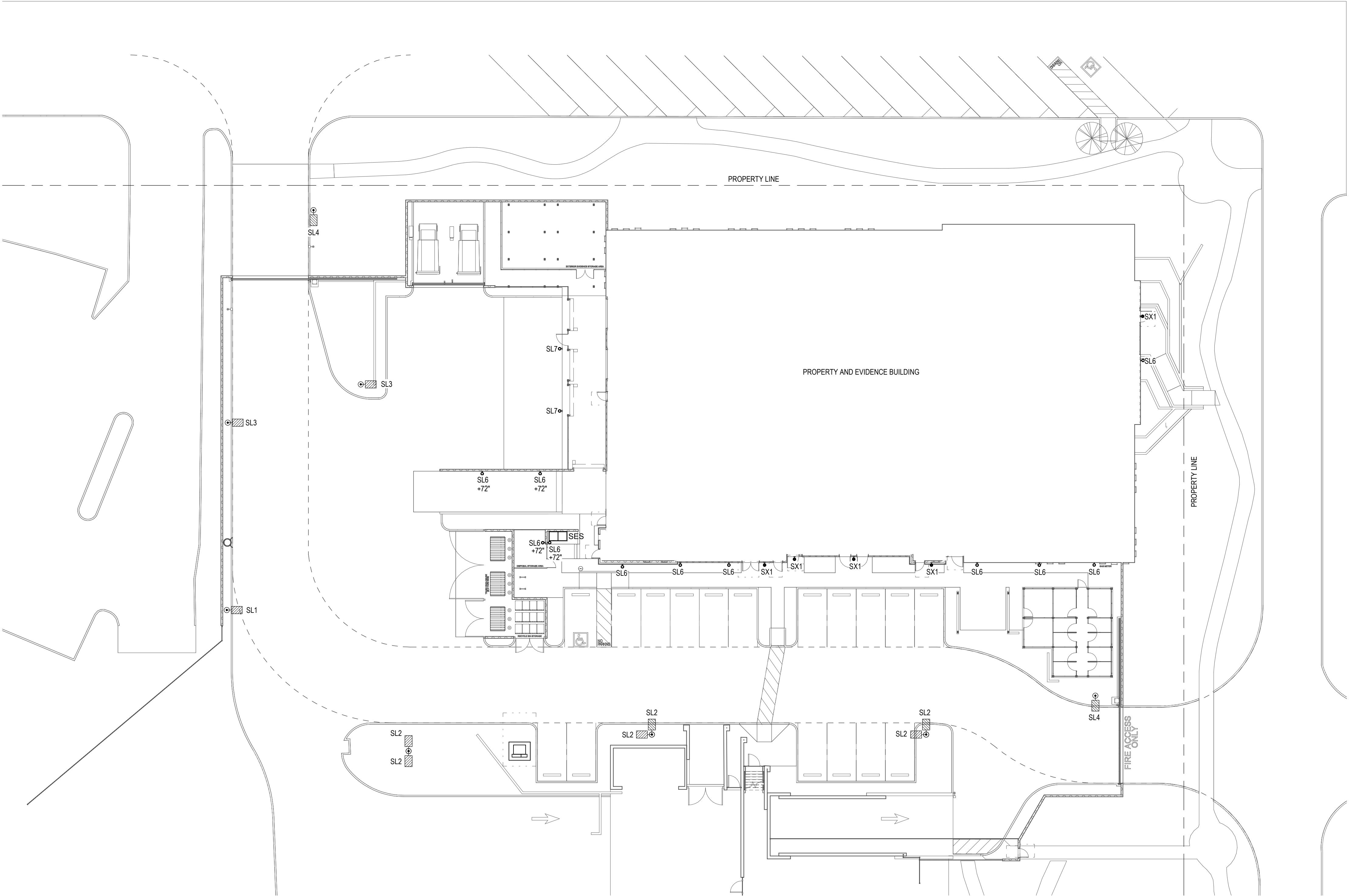
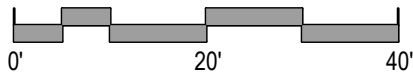


LIGHTING FIXTURE SCHEDULE - SITE									
MARK	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMPS	VOLTAGE	WATTAGE	MOUNTING	REMARKS	PRIOR APPROVED EQUAL
SL1	U.S. ARCHITECTURAL LIGHTING	RZRM-PLED-II-W-24LED-700MA-277-RAL-9005-T-HLSW	SINGLE HEAD POLE MOUNTED AREA LIGHT, TYPE II DISTRIBUTION, ZERO UPLIGHT, BLACK FINISH, IP66 RATED	LED, 10162 LUMENS, 4000K		106 W		MOUNT TOP OF POLE AT 25'-0" AFG.	
SL2	U.S. ARCHITECTURAL LIGHTING	RZRM-PLED-IV-FT-24LED700MANW-277-RAL-9005-T-HLSW	SINGLE HEAD POLE MOUNTED AREA LIGHT, TYPE IV DISTRIBUTION, ZERO UPLIGHT, BLACK FINISH, IP66 RATED	LED, 13464 LUMENS, 4000K		106 W		MOUNT TOP OF POLE AT 25'-0" AFG.	
SL3	U.S. ARCHITECTURAL LIGHTING	RZRM-PLED-III-W-48LED700MANW-277-RAL-9005-T-HLSW	SINGLE HEAD POLE MOUNTED AREA LIGHT, TYPE III DISTRIBUTION, ZERO UPLIGHT, BLACK FINISH, IP66 RATED	LED, 13464 LUMENS, 4000K		106 W		MOUNT TOP OF POLE AT 25'-0" AFG.	
SL4	U.S. ARCHITECTURAL LIGHTING	RZRM-PLED-III-W-24LED700MANW-277-RAL-9005-T-HLSW	SINGLE HEAD POLE MOUNTED AREA LIGHT, TYPE III DISTRIBUTION, ZERO UPLIGHT, BLACK FINISH, IP66 RATED	LED, 6911 LUMENS, 4000K		56 W		MOUNT TOP OF POLE AT 25'-0" AFG.	
SL6	COOPER LIGHTING SOLUTIONS	B95-HE-BLKOLD4-20W-40-CL-UNV	ARCHITECTURAL LED WALL PACK	LED, 20 LUMENS, 4000K		20 W		MOUNT TO WALL AT 10'-0" AFG UNLESS NOTED OTHERWISE.	
SL7	HUBBELL OUTDOOR LIGHTING	WGH2-70W-40K	ARCHITECTURAL LED WALL PACK	LED, 9714 LUMENS, 4000K		67 W		MOUNT TO CANOPY AT 13'-0" AFG.	
SX1	HUBBELL OUTDOOR LIGHTING	PG8				3 W		MOUNT TO WALL AT 9'-0" AFG.	



1 ELECTRICAL LIGHTING SITE PLAN
1" = 20'-0"



CITY OF MESA
POLICE EVIDENCE STORAGE
130 N. ROBSON, MESA, AZ 85201



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DRAWN BY: JSPC
APPROVED BY: JPS
OWNER: CITY OF MESA

**POLICE EVIDENCE STORAGE
ELECTRICAL SITE PLAN**

SHEET NUMBER:

FIG E-1.1
SCHEMATIC DESIGN

B:\M 360:\Mesa PD Evidence\2021.022-MEP21-Com Evidence Storage.rvt

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AREA:

SCALE:

KEY PLAN:

BM 360:/Mesa PD Evidence/2021.022-MEP21-Com Evidence Storage.rvt

11/24/2021 2:15:08 PM

AREA:

SCALE:

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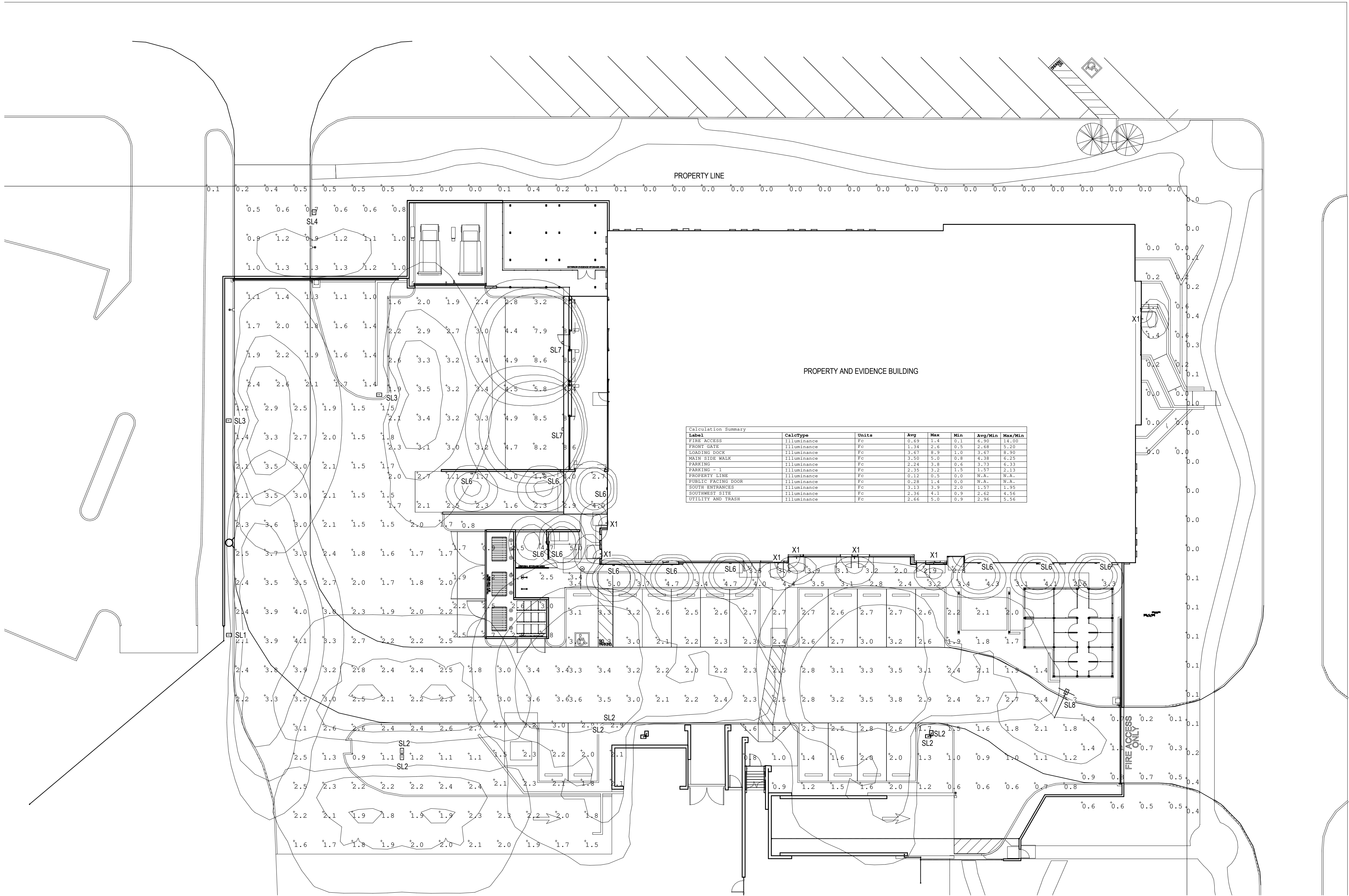
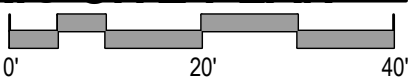
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APPROVED BY: JPS
OWNER: CITY OF MESA

POLICE EVIDENCE STORAGE
PHOTOMETRIC SITE PLAN

SHEET NUMBER:

FIG E-1.2
SCHEMATIC DESIGN

1 PHOTOMETRIC SITE PLAN
1" = 20'-0"



SOLID STATE AREA LIGHTING

RAZAR SERIES-LED
SPECIFICATIONS

OPTICAL HOUSING
Heavy cast low copper aluminum (A356 alloy; <0.2% copper) assembly with integral cooling fins. The Optical Panel mounting surface is milled flat (surface variance <.002") to facilitate thermal transfer of heat to housing and cooling fins. Solid barrier wall separates optical and electrical compartments. The optical and electrical compartments are integrated to create one assembly. Minimum wall thickness is .188".

ELECTRICAL HOUSING w/ INTEGRATED ARM
Heavy cast low copper aluminum (A356 alloy; <0.2% copper) assembly with integral cooling ribs surrounding the electrical compartment and a flat surface on the top of the arm to accommodate a photocell, receptacle. Solid barrier wall separates optical and electrical compartments. The optical compartment and electrical compartment with the integrated support arm combine to create one assembly. Minimum wall thickness is .188". Cast and hinged driver assembly cover is integrated with wiring compartment cover.

PLED[®] OPTICS
Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce standard site/area distributions. Panels are field replaceable and field rotatable in 90° increments.

LED DRIVER(S)
Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized and mounted directly against the Electrical Housing to facilitate thermal transfer, held down by universal clamps to facilitate easy removal. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50.60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field accessible installation.)

LED EMITTERS
High output LED's are utilized with drive currents ranging from 350mA to 1050mA, 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

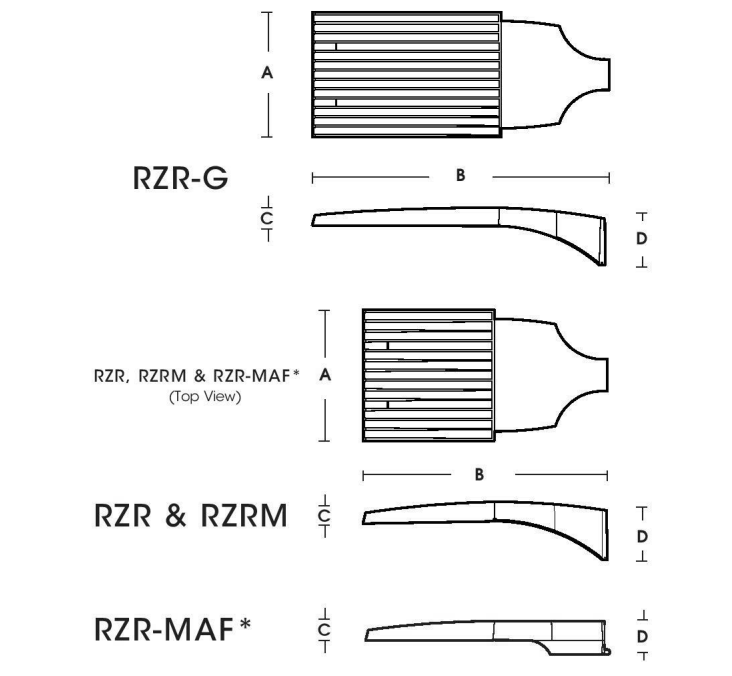
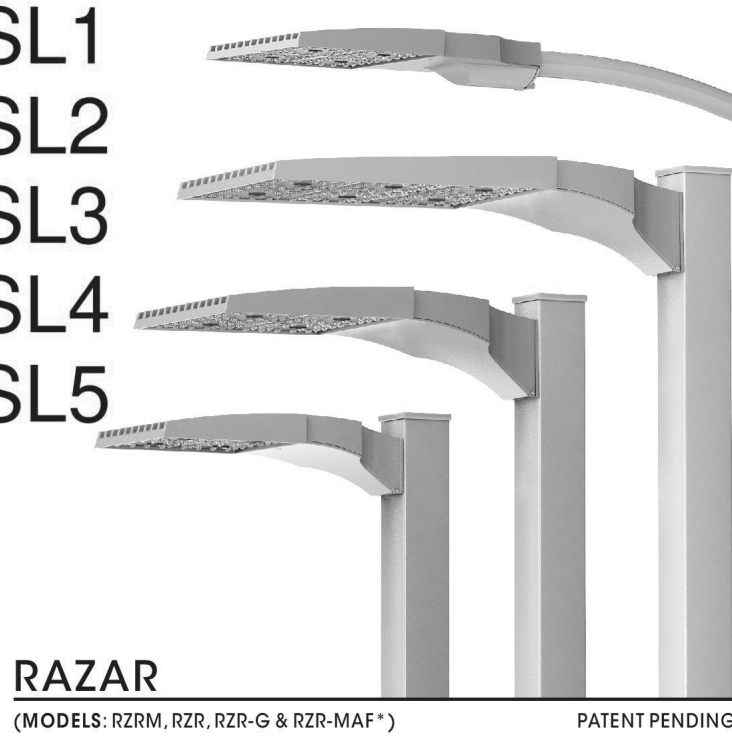
AMBER LED's
PCA (Phosphor Converted Amber) LED's utilize phosphors to create color output similar to LPS lamps and have a slight output in the blue spectral bandwidth. **TRA** (True Amber) LED's utilize material that emits light in the amber spectral bandwidth without the use of phosphors.

FINISH
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.

MAST ARM FITTER/ELECTRICAL HOUSING:
Replaces standard Electrical Housing. Fits standard 2 3/8" O.D. horizontal tenon. Two (2) straps with two (2) bolts each encircle the lower half of the tenon. Upper half of the tenon rests on self-centering steps that position the angle of the luminaire at 0°, +1.5°, +1.5° or +3° up from the horizontal. All hardware is stainless steel.

PROJECT NAME:

PROJECT TYPE:



FIXTURE	A	B	C	D
RZR-G	15" 381mm	36.5" 927mm	3" 76mm	7" 181mm
RZR	14.75" 375mm	28.25" 718mm	2.75" 70mm	6.5" 165mm
RZRM	11.5" 293mm	22" 559mm	2.5" 64mm	5.25" 133mm
RZR-MAF	15" 381mm	28.25" 718mm	2.5" 64mm	4" 102mm

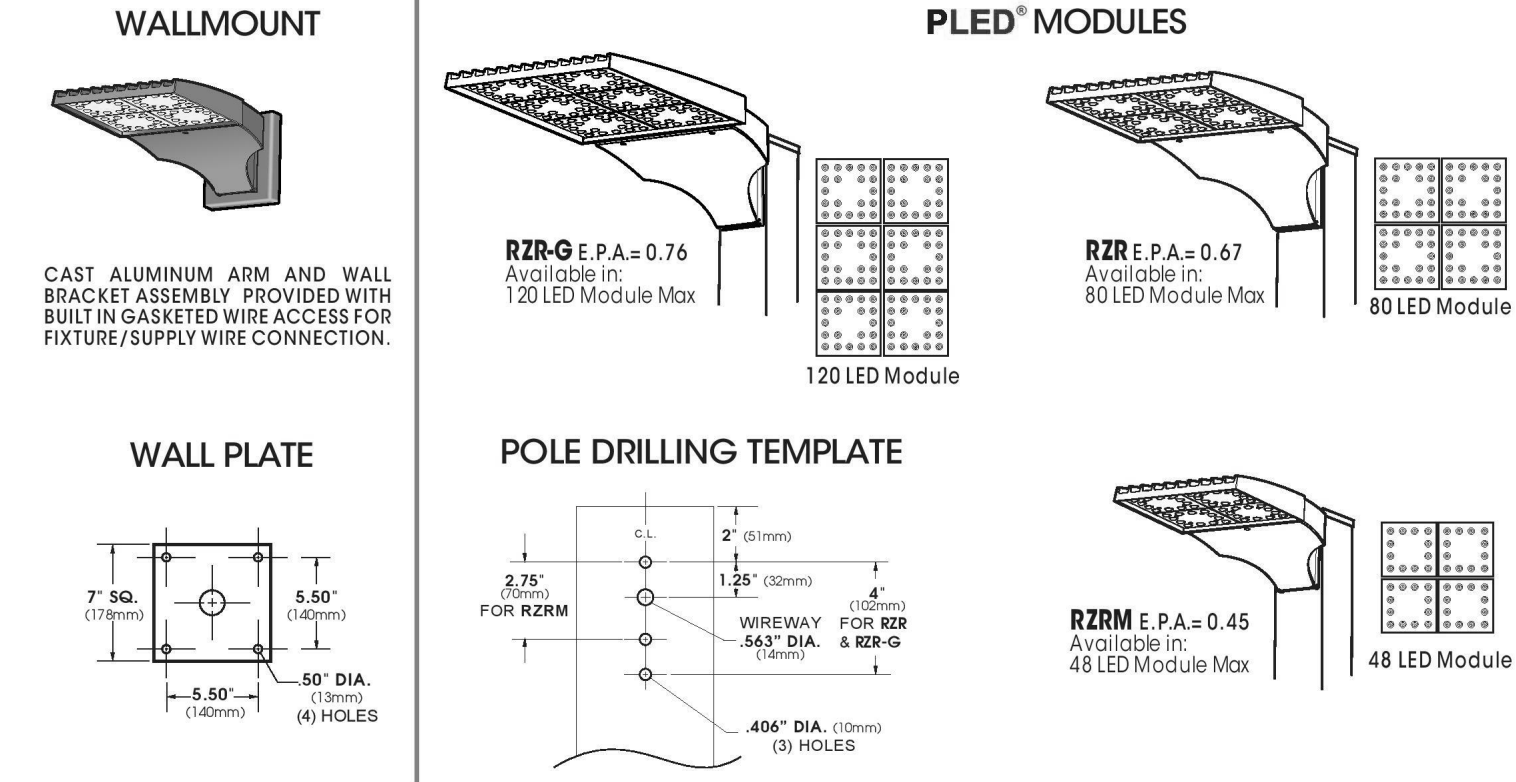
*DLC PENDING AS OF 7/19



U.S. ARCHITECTURAL LIGHTING

RAZAR SERIES-LED

SPECIFICATIONS



MODEL	OPTICS	LED MODE	VOLTAGE	FINISH	OPTIONS
☐ RZR-G	☐ TYPE II PLED-II ☐ TYPE II FRONT ROW PLED-II-FR ☐ TYPE II MEDIUM ILLUMINATOR PLED-II-ML ☐ TYPE II MED. PLED-II-M ☐ TYPE II WIDE PLED-II-W	☐ RZR-G ☐ 120LED ☐ 350mA ☐ 525mA ☐ 700mA ² ☐ 1050mA ³	☐ 120 ☐ 208 ☐ 240 ☐ 277 ☐ 347 ☐ 480	☐ BLACK RAL-9005-T ☐ WHITE RAL-9003-T ☐ GREY RAL-7004-T ☐ DARK BRONZE RAL-8019-T ☐ GREEN RAL-6005-T	☐ HIGH/Low DIMMING FOR HARDWIRED SWITCHING OR NONINTEGRATED MOTION SENSOR HSW ☐ INTERNAL HOUSE SIDE SHIELD HS-LED ☐ PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) PC-V ☐ TWIST LOCK RECEPTACLE ONLY ... TPR ☐ 7-PIN TWIST LOCK RECEPTACLE ONLY ... TPR7 ☐ SINGLE FUSE (120V, 277V, 347V) ... SF ☐ DOUBLE FUSE (208V, 240V, 480V) ... DF ☐ STEP DIM MOTION SENSOR (PROGRAMMED 50/100) MS-F211 ☐ REMOTE MOTION SENSOR CONFIGURATOR MS-FC10
☐ RZR	☐ TYPE II MED. ILLUMINATOR PLED-II-ML ☐ TYPE II MED. PLED-II-M ☐ TYPE II WIDE PLED-II-W	☐ RZR ☐ 80LED ☐ 40LED			
☐ RZR-MAF ⁴	☐ TYPE IV PLED-IV ☐ TYPE IV PLED-IV-FT ☐ TYPE V NARROW PLED-VSQ-N ☐ TYPE V MED. PLED-VSQ-M ☐ TYPE V WIDE PLED-VSQ-W	☐ RZR-MAF ☐ 48LED ☐ 24LED			
☐ RZRM					

NOTES:
1- LED PENDING AS OF 7/19

NOTES:
2- 1050mA and 1050mA NOT FOR USE WITH TRA LED'S
3- NARROW BEAM ANGERS HAVE NO DEFINABLE CCT EQUIVALENT
4- AVAILABLE IN 350mA & 525mA DRIVE CURRENTS ONLY

U.S. Architectural Lighting

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U.S. ARCHITECTURAL LIGHTING

RAZAR SERIES-LED

LED/ELECTRICAL GUIDE (pg. 1)

Approximate Average Lumens - 4000K (Lumens median of all distributions)												
350mA				525mA			700mA			1050mA		
	Watts	Lumens	HID Eq.	Watts	Lumens	HID Eq.	Watts	Lumens	HID Eq.	Watts	Lumens	HID Eq.
24	28	3541	50	41	5058	$\frac{70}{100}$	53	6567	100	81	8773	$\frac{150}{200}$
40	45	5997	$\frac{70}{100}$	66	8653	$\frac{100}{150}$	87	10995	175	134	14647	$\frac{200}{250}$
48	55	7046	100	81	10018	$\frac{150}{175}$	106	12600	200	160	17566	250
80	87	11622	$\frac{175}{200}$	131	16736	$\frac{200}{250}$	174	21235	400	266	28190	$\frac{450}{575}$
120	127	17405	250	195	24860	450	260	31592	$\frac{925}{1000}$	396	43323	$\frac{700}{1000}$

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K CCT	INITIAL LUMENS - 3500K CCT	INITIAL LUMENS - 5000K CCT	L70 GREATER THAN (HR)	STARTING TEMP	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
24	LED	24 PLED [®] Optical Module - 350mA	3,298 - 3,784	3,133 - 3,595	3,463 - 3,973	60,000+	-20°F	29	120	0.24
24	LED	24 PLED [®] Optical Module - 525mA	4,711 - 5,405	4,475 - 5,135	4,947 - 5,675	60,000+	-20°F	42	120	0.34
24	LED	24 PLED [®] Optical Module - 700mA	6,023 - 6,911	5,722 - 6,565	6,324 - 7,256	60,000+	-20°F	56	120	0.45
24	LED	24 PLED [®] Optical Module - 1050mA	8,171 - 9,375	7,762 - 8,906	8,580 - 9,844	60,000+	-20°F	82	120	0.68
40	LED	40 PLED [®] Optical Module - 350mA	5,585 - 6,408	5,306 - 6,088	5,864 - 6,729	60,000+	-20°F	43	120	0.38
40	LED	40 PLED [®] Optical Module - 525mA	8,059 - 9,246	7,656 - 8,784	8,462 - 9,709	60,000+	-20°F	65	120	0.55
40	LED	40 PLED [®] Optical Module - 700mA	10,240 - 11,749	9,728 - 11,162	10,752 - 12,337	60,000+	-20°F	87	120	0.73
40	LED	40 PLED [®] Optical Module - 1050mA	13,642 - 15,652	12,960 - 14,870	14,324 - 16,435	60,000+	-20°F	128	120	1.12
48	LED	48 PLED [®] Optical Module - 350mA	6,562 - 7,529	6,234 - 7,153	6,890 - 7,909	60,000+	-20°F	53	120	0.46
48	LED	48 PLED [®] Optical Module - 525mA	9,330 - 10,705	8,864 - 10,170	9,797 - 11,240	60,000+	-20°F	79	120	0.68
48	LED	48 PLED [®] Optical Module - 700mA	11,735 - 13,464	11,148 - 12,791	12,322 - 14,137	60,000+	-20°F	106	120	0.88
48	LED	48 PLED [®] Optical Module - 1050mA	16,360 - 18,771	15,542 - 17,832	17,178 - 19,709	60,000+	-20°F	160	120	1.33
RZR										
80	LED	80 PLED [®] Optical Module - 350mA	10,824 - 12,419	10,283 - 11,798	11,365 - 13,040	60,000+	-20°F	86	120	0.75
80	LED	80 PLED [®] Optical Module - 525mA	15,587 - 17,884	14,808 - 16,990	16,366 - 18,778	60,000+	-20°F	130	120	1.10
80	LED	80 PLED [®] Optical Module - 700mA	19,767 - 22,680	18,779 - 21,546	20,755 - 23,814	60,000+	-20°F	174	120	1.45
80	LED	80 PLED [®] Optical Module - 1050mA	26,255 - 30,124	24,942 - 28,618	27,568 - 31,630	60,000+	-20°F	257	120	2.22
RZR-G										
80	LED	80 PLED [®] Optical Module - 350mA	10,950 - 12,564	10,403 - 11,936	11,498 - 13,192	60,000+	-20°F	87	120	0.75
80	LED	80 PLED [®] Optical Module - 525mA	15,735 - 18,054	14,948 - 17,151	16,522 - 18,957	60,000+	-20°F	129	120	1.10
80	LED	80 PLED [®] Optical Module - 700mA	20,074 - 23,032	19,071 - 21,881	21,078 - 24,184	60,000+	-20°F	174	120	1.45
80	LED	80 PLED [®] Optical Module - 1050mA	27,651 - 31,725	26,268 - 30,139	29,033 - 33,311	60,000+	-20°F	266	120	2.22

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U.S. ARCHITECTURAL LIGHTING

CITY OF MESA
POLICE EVIDENCE STORAGE
130 N. ROBSON, MESA, AZ 85201

KEY PLAN:



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DATE: 11-29-2021
DESIGNED BY: JSPC
DRAWN BY: JSPC
APPROVED BY: JPS
OWNER: CITY OF MESA

POLICE EVIDENCE STORAGE
LIGHTING CUT SHEETS

SHEET NUMBER:

FIG E-2.1
SCHEMATIC DESIGN

AREA:

SCALE:

SL6

Fail-Safe

DESCRIPTION

The B95 combines energy efficient LED technology with impact resistant construction in an aesthetically pleasing design. The thick injection molded lens combines angled facets with radius corners to absorb and deflect blows to the fixture. Designed for use on walls or ceilings, the B95 is UL/cUL listed for wet locations, and IP65 ingress protection rated.

Typical applications include schools, corridors, dormitories, rest rooms, public gathering places, public transportations, covered walkways, minimum security facilities or retail.

SPECIFICATION FEATURES

Construction

Injection molded polycarbonate lens, heavy gauge metal back-pan and reflector. Cast aluminum surface box available. Gasket applied to back of fixture, to seal entire lens and housing. Standard Torx® T20 center pin reject screws. Non tamper-proof screws available.

Shallow Casting

Die cast aluminum. Four 1/4" diameter fasteners required for maximum vandal resistance. Four 1/2" NPT entries for surface conduit.

Lens

One-piece, injection-molded UV stabilized polycarbonate, min. 0.130" thick. Available in clear prismatic linear ribbed or opal. Optional perimeter and eyelid paint patterns.

Lifetime Lens Warranty.

Gasket

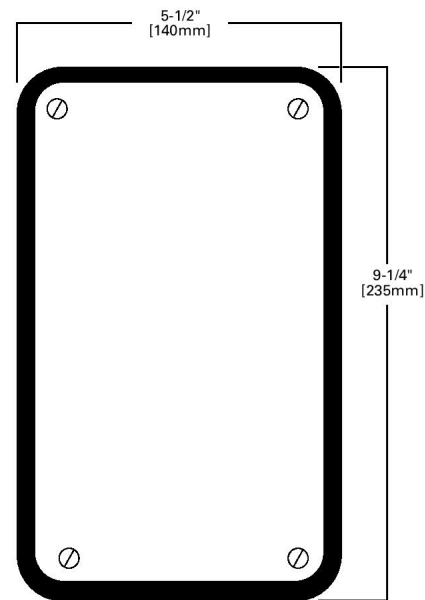
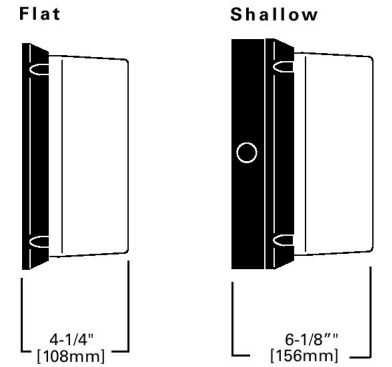
One piece, die-cut closed cell EPDM mounting gaskets seal entire lens and housing.

Electrical

Energy efficient LEDs. Electronic driver, optional 0-10V dimming. 70% lumen maintenance at 50,000 hours, when operated in an environment as noted on the maximum ambient operating/option matrix on the following page.

Catalog #	Type
Project	
Comments	
Prepared by	
	Date

SIDE DIMENSIONS



TORX® is a registered trademark of Camcar Division of Textron Inc.



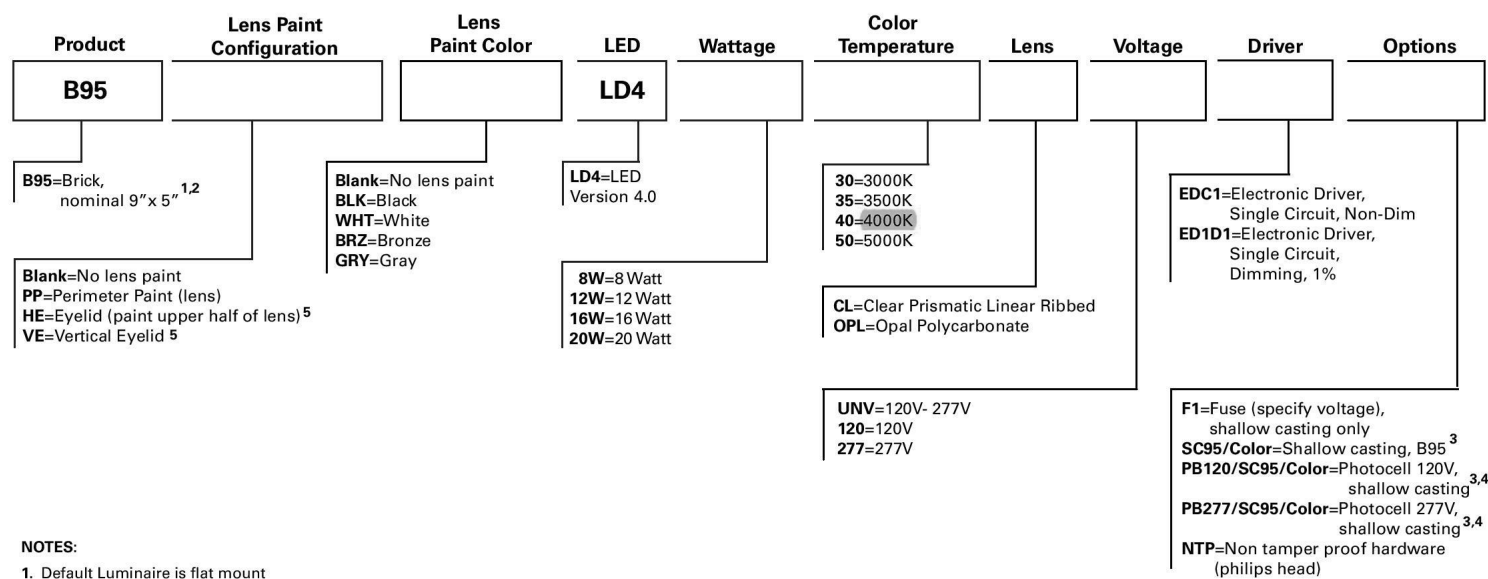
B95
LD4 LED
9"x5" Nominal
8/12/16/20 Watt
IP65

Wall or Ceiling
Polycarbonate Lens
Clear or Opal

PSS19211EN
November 8, 2018 9:50 AM

ORDERING INFORMATION

SAMPLE NUMBER: B95-HE-WHT-LD4-8W-35-CL-120-EDC1-PB120/SC95/WHT
B95-PP-BLK-LD4-20W-30-OPL-UNV-EDC1



NOTES:

1. Default Luminaire is flat mount
2. Standard IP65 rated
3. Always specify casting (SC95) paint color (SC95-BLK, as an example)
4. Example: PB120/SC95-GRY = gray casting paint
5. For HE and VE eyelids, the perimeter is always painted the color of the eyelid

Accessories
(Order separately)

VRSD=Vandal Resistant Screwdriver
VRSB=Vandal Resistant Screw Bit
SCB=Color=Shallow surface conduit box - field install kit
example: SCB-WHT

Maximum Ambient Operating/Option Matrix								
	8W				12W			
	Flat Mount		Shallow Cast		Flat Mount		Shallow Cast	
	Ceiling	Wall	Ceiling	Wall	Ceiling	Wall	Ceiling	Wall
No Options	40C	40C	40C	40C	40C	40C	40C	40C
Fuse	N/A	N/A	40C	40C	N/A	N/A	40C	40C
Photocell	N/A	N/A	40C	40C	N/A	N/A	40C	40C
Fuse & Photocell	N/A	N/A	40C	40C	N/A	N/A	40C	40C
	16W				20W			
	Flat Mount		Shallow Cast		Flat Mount		Shallow Cast	
	Ceiling	Wall	Ceiling	Wall	Ceiling	Wall	Ceiling	Wall
No Options	25C	25C	40C	40C	25C	25C	40C	40C
Fuse	N/A	N/A	40C	40C	N/A	N/A	40C	40C
Photocell	N/A	N/A	40C	40C	N/A	N/A	25C	25C
Fuse & Photocell	N/A	N/A	40C	40C	N/A	N/A	25C	25C

Approximate Delivered Lumens			
WATTAGE		OPEN	EYELID
8W	Clear	825	475
	Opal	575	325
12W	Clear	1175	725
	Opal	850	475
16W	Clear	1575	950
	Opal	1125	625
20W	Clear	1975	1200
	Opal	1400	800

Reference actual IES files/LM79 data for exact lumen output values.



Cooper Lighting Solutions
1121 Highway 8 South
Rossmore City, GA 30069
P: 770-488-8800
www.cooper-lighting.com

Specifications and
dimensions subject to
change without notice.

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POLICE EVIDENCE STORAGE
LIGHTING CUT SHEETS

SHEET NUMBER:

FIG E-2.2
SCHEMATIC DESIGN

AREA:

SCALE:

KEY PLAN:

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____

WGH LED SERIES
SWITCHABLE – GLASS WALLPACK

FEATURES

- Three sizes: Small, Medium and Large
- 20–120 Watts
- Field switchable lumens in WGH1 (3000–7000 lumens)
- Field switchable lumens and LED color temperature in WGH2 and WGH3 (4000K, 4500K, & 5000K)
- Standard bronze finish
- Up to 150 lumens per watt
- Borosilicate glass refractor softens LED pixilation and provides uniform distribution



RELATED PRODUCTS

- Ø Sling Canopy Ø Sling Dusk To Dawn Ø PRS



SPECIFICATIONS

CONSTRUCTION

- Die-cast Aluminum Frame holds and seals to housing with 2 stainless steel screws
- Built in button photocell with shorting cap on WGH2 and WGH3; Available with and with out photocell in WGH1
- Cast aluminum housing has three 1/2" conduit entries on top and sides
- All units have dark bronze matte textured powder coat finish (matches Hubbell DBT finish)
- Operating Temp -40C to 40C

OPTICS

- High efficacies, up to 150 LPW
- Impact resistant borosilicate glass lens

INSTALLATION

- Door assembly hinges on side
- Leveling device contained inside the housing for ease of installation

ELECTRICAL

- Universal Voltage (120-277V)
- Dimmable drivers standard
- Built in 6kV surge protector
- WGH1 wattage includes 20, 30, 40, 50
- WGH2 wattage includes 30, 40, 50, 60, 70
- WGH3 wattage includes 80, 90, 100, 110, 120

CERTIFICATIONS

- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- Wet listed
- Consortium (DLC) standard & premium qualifications, consult DLC website for more details: <http://www.designlights.org/QPL>
- IP65 rated housing

WARRANTY

- See Full Standard Warranty for additional information

KEY DATA	
Lumen Range	2,959–17,142
Wattage Range	20–120
Efficacy Range (LPW)	139–152
Fixture Projected Life (Hours)	>60K

ORDERING GUIDE

Housing	Catalog Number	Wattage	Voltage	Dist. Type	Delivered Lumens	LPW	CCT	Weight lbs. (kg)
Small	WGH1-LS-4K	20-50W	120-277V	4	3,000-7000	140-146	4000K	8.38 (3.8)
Small	WGH1-LS-4K-PC	20-50W	120-277V	4	3,000-7000	140-146	4000K	8.38 (3.8)
Medium	WGH2-LS-CS	30-70W	120-277V	4	4,600–10,000	140–150	4000K, 4500K, 5000K	10.80 (4.9)
Large	WGH3-LS-CS	80–120W	120-277V	4	9,800–17,150	139–149	4000K, 4500K, 5000K	13.89 (6.3)



WGH LED
GLASS WALLPACK

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____

PERFORMANCE DATA

Description	SYSTEM WATTS	Distribution Type	5K (5000K NOMINAL)						45K (4500K NOMINAL)						4K (4000K NOMINAL)					
			Lumens	LPW	B	U	G		Lumens	LPW	B	U	G		Lumens	LPW	B	U	G	
WGH1	20W	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2959	146	1	3	2	
	30W	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4371	146	1	3	3	
	40W	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5619	143	1	3	3	
	50W	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6951	140	1	3	3	
WGH2	30W	4	4663	141	1	4	3	4758	144	1	4	3	4624	140	1	4	4	3		
	40W	4	5496	141	1	4	4	5608	144	1	4	4	5450	140	1	4	4	4		
	50W	4	7112	141	1	4	4	7257	144	1	4	4	7053	140	1	4	4	4		
	60W	4	8435	141	1	5	5	8607	144	1	5	5	8364	140	1	5	5	5		
WGH3	70W	4	9797	141	1	5	5	9997	150	1	5	5	9714	145	1	5	5	5		
	80W	4	11581	146	2	4	5	12070	152	2	4	5	11662	147	2	4	4	5		
	90W	4	12621	140	2	4	5	13131	146	2	4	5	12682	141	2	4	4	5		
	100W	4	14055	140	3	5	5	14622	146	3	5	5	14123	141	3	5	5	5		
WGH3	110W	4	15472	141	3	5	5	16096	146	3	5	5	15547	141	3	5	5	5		
	120W	4	16477	139	3	5	5	17142	149	3	5	5	16557	139	3	5	5	5		

ELECTRICAL DATA

WGH1-Small

Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
20	120	0.17	20.3
	208	0.10	
	240	0.08	
	277	0.07	
30	120	0.25	30.0
	208	0.14	
	240	0.13	
	277	0.11	
40	120	0.33	39.2
	208	0.19	
	240	0.16	
	277	0.14	
50	120	0.42	49.8
	208	0.24	
	240	0.21	
	277	0.18	



WGH LED
GLASS WALLPACK

DATE: _____ LOCATION: _____
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CATALOG #: _____

ELECTRICAL DATA (CONTINUED)

WGH2-Medium

Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
30	120	0.24	29.3
	208	0.14	
	240	0.12	
	277	0.11	
40	120	0.34	41.2
	208	0.20	
	240	0.17	
	277	0.15	
50	120	0.44	53.1
	208	0.26	
	240	0.22	
	277	0.19	
60	120	0.49	59.2
	208	0.28	
	240	0.25	
	277	0.21	
70	120	0.56	66.8
	208	0.32	
	240	0.28	
	277	0.24	

WGH3-Large

Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
80	120	0.66	79.6
	208	0.38	
	240	0.33	
	277	0.29	
90	120	0.74	88.2
	208	0.42	
	240	0.37	
	277	0.32	
100	120	0.84	100.2
	208	0.48	
	240	0.42	
	277	0.36	
110	120	0.91	109.2
	208	0.53	
	240	0.46	
	277	0.39	
120	120	0.99	118.9
	208	0.57	
	240	0.50	
	277	0.43	

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.01
20°C	68°F	1.00
25° C	77° F	1.00
30° C	86° F	0.99
40° C	104° F	0.98
50° C	122° F	0.97

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).



AREA:

SCALE:

CITY OF MESA
POLICE EVIDENCE STORAGE
130 N. ROBSON, MESA, AZ 85201

KEY PLAN:



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Fax: (602) 279-9110
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PROJECT NO.: 2021.022
DATE: 11-29-2021
DESIGNED BY: JSPC
DRAWN BY: JSPC
APPROVED BY: JPS
OWNER: CITY OF MESA

POLICE EVIDENCE STORAGE
LIGHTING CUT SHEETS

SHEET NUMBER:

FIG E-2.3
SCHEMATIC DESIGN

11/24/2021 2:15:09 PM BIM 360://Mesa PD Evidence/2021.022-MEP21-Com Evidence Storage.rvt



SX1

PG
Emergency LED Sconce

FEATURES

Application

The PG is an indoor/outdoor, die-cast architectural emergency unit. It is a wet location listed, emergency luminaire with high-output LED technology that provides path of egress illumination for mounting over entrance/exit ways and perimeter walkways. Spectron® self-testing/self-diagnostic electronics are included standard. A battery heater for cold temperature operation is available as an option.

Construction

Housing and mounting plate are constructed of 0.125" die-cast aluminum and 0.125" closed-cell, medium density, neoprene gasket. The acrylic lens allows 92% light transmission. The reflector is electro-polished aluminum with 95% reflectance. Housing finish is powder coated electro-deposition paint available in four colors: dark bronze, white, platinum silver and black.

Installation

Universal housing knockouts for mounting to standard 31/2" and 4" octagon and 4" square electrical boxes. A 1/2" - 1/4 NPT threaded conduit opening is provided at the top of the housing and sealed with a closure plug. The back plate mounts to the wall surface using installer supplied hardware. The housing "snaps" to the back plate by a "pin and socket" arrangement, and is secured with two Fillister head screws. AC Lockout feature prevents battery discharge prior to initial unit power-up saving installation time.

Lamps

Four high-output, long life LED lamps arranged in redundant pairs.

Compliances

UL 924 Listed (emergency models only)
UL Wet Location Listed
NFPA 101 Life Safety Code
NFPA 70 National Electrical Code
OSHA
U.S. Patent No. D627916

Warranty

Fixture: 5 Years Full
Battery: 2 Years Full, 8 Years Pro Rata
Lifetime LED Warranty

ORDERING GUIDE

PG

Model	Finish	Options
	W White Z Dark Bronze P Platinum Silver B Black	HTR Battery Heater (Add Suffix to Model)

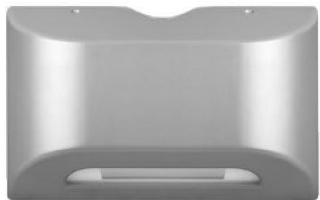
Catalog Number:	
Comments:	Type:



White



Dark Bronze



Platinum Silver



Black

Reference "Remote Heads and Fixtures" specification
sheet for information on matching PG remote



PGR Remote LED



PG
Emergency LED Sconce

SPECIFICATIONS

Electronics

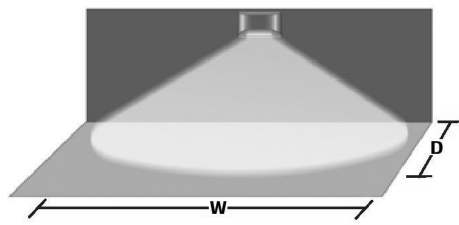
Upon failure of the normal utility power, a solid-state transfer switch automatically activates the emergency lamp. Upon resumption of the normal utility power, the battery is disconnected from the load and recharged through a solid-state charging unit. A low voltage battery disconnect feature protects the battery from severe damage during prolonged power failures. Spectron® self-testing/self-diagnostic circuitry provides automatic system testing on a monthly and semi-annual basis. Manual testing is available at any time using the push-to-test button: push once for a 60-second system test; push twice for a 90-minute system test.

Number of Lamps: Four high output LEDs
Lamp Configuration: Two sets of 2 LEDs provide illumination. In the unlikely event that any single LED should fail the remaining LEDs will continue to function.
Lamp Type: Solid state high output LEDs
Lamp Color: Cool White, 6350K
Total Lamp Output: 405 Lumens
Input: 120/277VAC, 60 Hz
Battery Charger: Temperature compensating, constant current
Transfer: Solid state
Functional Circuitry: AC lockout, transformer isolation, transient surge protection, low voltage battery disconnect, brownout detection, time delay retransfer
Battery Recharge Cycle: per UL time standards
Test Means: Integral test switch
Battery: Sealed, maintenance-free Nickel-Cadmium
Operating Temperature Range for Models without Heater: 0°C to 50°C (32°F to 122°F)
Operating Temperature Range for Models with Heater: -30°C to 50°C (-22°F to 122°F)

ILLUMINATION PATTERN

SINGLE UNIT COVERAGE

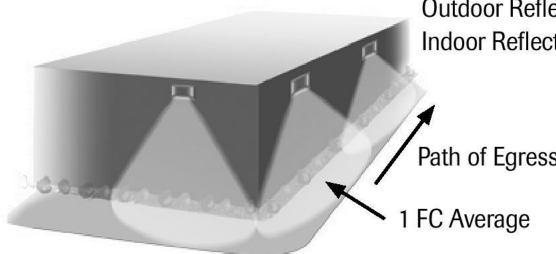
Mounting Height: 9'
Outdoor Reflectance: 0/30/10
Indoor Reflectance: 80/50/20



	Indoor	Outdoor
1 FC Average (W x D)	33' X 10'	27' X 10'
1 FC Minimum (W x D)	10' X 10'	9' X 10'

MULTIPLE UNIT SPACING

Mounting Height: 9'
Illuminated Path Depth: 6'
Outdoor Reflectance: 30/10
Indoor Reflectance: 80/50/20



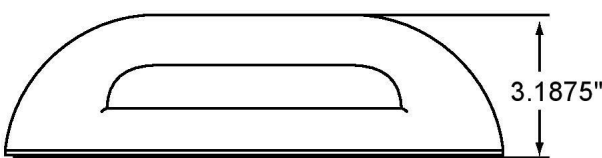
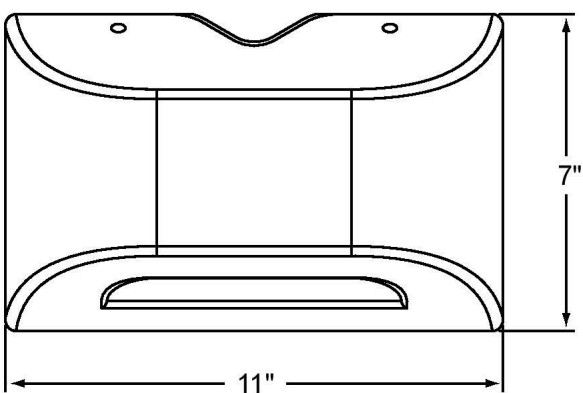
	Indoor	Outdoor
1 FC Average	44'	33'
1 FC Minimum	16'	15'

Power Consumption

Models Without Heater		Models With Heater	
120VAC	2.78 watts	120VAC	15.2 watts
277VAC	2.88 watts	277VAC	15.7 watts

Power factor, average: 0.8 (lagging)

DIMENSIONS



Dual-Lite • www.dual-lite.com

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0603387 H 12/15

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SCALE:

KEY PLAN:



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POLICE EVIDENCE STORAGE
LIGHTING CUT SHEETS

SHEET NUMBER:

FIG E-2.4
SCHEMATIC DESIGN