- POLE MOUNTED FIXTURES ARE MOUNTED ON A 20FT POLE ATOP A CONCRETE BASE.

LUMINAIRE L	OCATION SUMM	ARY
LUM NO.	LABEL	MTG. HT.
1	A	23
2	А	23
3	A1	23
4	A2	23
5	A2	23
6	В	23
7	В	23
8	В	23
9	D	9
10	D	9
11	D	9
12	D	9
13	D	9
14	D	9
15	D	9
16	D	9
17	D	9
18	D	9

FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES						
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN	
PAVED AREA	3.82	12.7	0.8	4.78	15.88	
UNDEFINED AREA	1.03	19.5	0.0	N.A.	N.A.	

LABEL	ARRANGEMENT					LUMINAIRE SCHEDULE						
	AINTAINOLIVILINI	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURE	CATALOG LOGIC				
A	SINGLE	13374	1.000	B3-U0-G2	85	170	Cree Inc	OSQ-ML-B-DA + OSQM-B-16L-40K7-3M-UL-NM-XX-Q9				
A1	2 @ 90 DEG	13374	1.000	B3-U0-G2	85	170	Cree Inc	OSQ-ML-B-DA + OSQM-B-16L-40K7-3M-UL-NM-XX-Q9				
A2	BACK-BACK	13374	1.000	B3-U0-G2	85	340	Cree Inc	OSQ-ML-B-DA + OSQM-B-16L-40K7-3M-UL-NM-XX-Q9				
В	SINGLE	12699	1.000	B2-U0-G2	104	312	Cree Inc	OSQ-ML-B-DA + OSQM-B-16L-40K7-3M-UL-NM-XX-Q9 + OSQ-BLSMF				
D	SINGLE	6094	1.000	B1-U0-G2	46.95	469.5	Cree Inc	XSPW-B-WM-3ME-6L-40K-UL-XX				
	A A1 A2 B D	A1 2 @ 90 DEG A2 BACK-BACK B SINGLE	A1 2 @ 90 DEG 13374 A2 BACK-BACK 13374 B SINGLE 12699	A1 2 @ 90 DEG 13374 1.000 A2 BACK-BACK 13374 1.000 B SINGLE 12699 1.000	A1 2 @ 90 DEG 13374 1.000 B3-U0-G2 A2 BACK-BACK 13374 1.000 B3-U0-G2 B SINGLE 12699 1.000 B2-U0-G2	A1 2 @ 90 DEG 13374 1.000 B3-U0-G2 85 A2 BACK-BACK 13374 1.000 B3-U0-G2 85 B SINGLE 12699 1.000 B2-U0-G2 104	A1 2 @ 90 DEG 13374 1.000 B3-U0-G2 85 170 A2 BACK-BACK 13374 1.000 B3-U0-G2 85 340 B SINGLE 12699 1.000 B2-U0-G2 104 312	A1 2 @ 90 DEG 13374 1.000 B3-U0-G2 85 170 Cree Inc A2 BACK-BACK 13374 1.000 B3-U0-G2 85 340 Cree Inc B SINGLE 12699 1.000 B2-U0-G2 104 312 Cree Inc				

1.5 0.6 0.3 0.2 0.1 0.1 0.1

0.7 0.3 0.2 0.1 0.1 0.1 0.1

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∥	REDLEONARD ASSOCIATES
1340 Ker	nper Meadow Dr, Forest Park, OH 45240

513-574-9500 | redleonard.com

REV.	BY	DATE
R1	TAS	4/20/22
R2	TAS	9/8/22
R3	TAS	11/15/22

DESCRIPTION
ADDED 2 TYPE "D" FIXTURES
UPDATED SITE PLAN
UPDATED SITE PLAN

 $\begin{bmatrix} 0.0 & 0.1 & 0.1 & 0.2 & 0.4 & 2.1 & 4.1 & 6.6 & 5.0 & 5.8 & 6 \end{bmatrix}$ $\begin{bmatrix} 0.1 & 0.1 & 0.2 & 0.4 &$

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11.3 | 8.3 4.8 4.8 4.0 2 4

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28.7 [†]8.9 [†]3.9 [†]3.1 [†]2.4

 $| \dot{5}.2 | \dot{5}.8 | \dot{7}.2 \rangle$ $| \dot{7}.1 | \dot{6}.8 \rangle$ $| \dot{9}.93 | \dot{3}.5 | \dot{2} \rangle$ $| \dot{6} | \dot{2}.5 | \dot{1}.3 | \dot{0}.6 \rangle$ $| \dot{0}.3 | \dot{0}.2 | \dot{0}.1 | \dot{0}.1 |$

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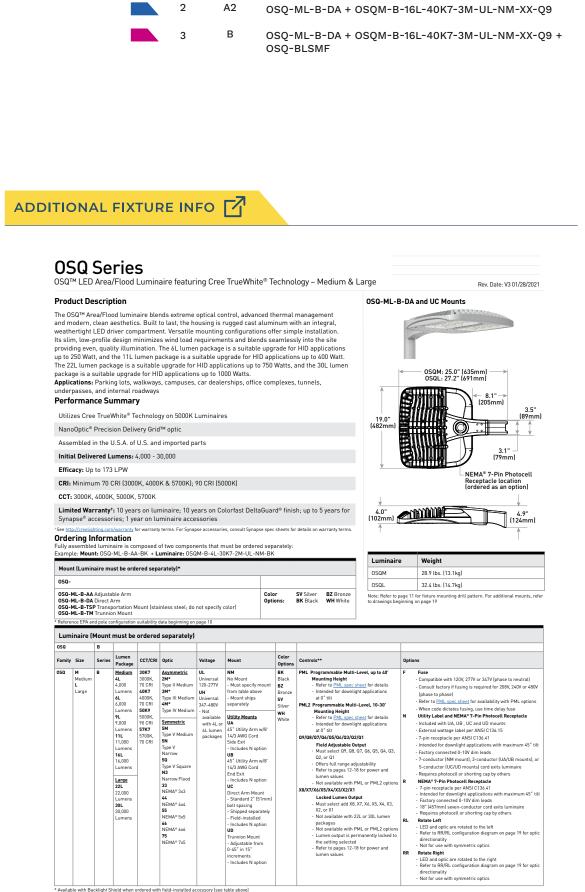
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SCALE: LAYOUT BY:
1" = 20' TAS

DWG SIZE: DATE:
D 4/19/22



QTY LABEL DESCRIPTION

AREA 2 A OSQ-ML-B-DA + OSQM-B-16L-40K7-3M-UL-NM-XX-Q9

A1 OSQ-ML-B-DA + OSQM-B-16L-40K7-3M-UL-NM-XX-Q9

OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Medium & Large

Product Specifications

CREE TRUEWHITE® TECHNOLOGY

A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology is a patented approach that delivers an exclusive combination of 90 - CRI, beautiful light characteristics and lifelong color consistency, all while maintaining high luminous efficacy - a true no compromise solution.

CONSTRUCTION & MATERIALS

CUL US ROHS CREE \$

US: creelighting.com (800) 236-6800 Canada: creelighting-canada.com (800) 473-1234

CONSTRUCTION & MATERIALS

• Slim, low profile design minimizes wind load requirements

• Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high-performance heat sink

Convenient interlocking mounting method on direct arm and UC mounts. Mounting adaptor is rugged die cast aluminum and mounts to 3" [76mm] or larger square or round pole, secured by two 5/16-18 UNC botts spaced on 2" [51mm] centers. Refer to page 11 for insture mounting drill pattern.

Mounting for the adjustable arm mount adaptor is rugged die cast aluminum and mounts to 2" [51mm] IP, 2.375" [60mm] 0.D. tenon. UA and UB mounts are preset to 45"

Adjustable arm mount can be adjusted 180° in 2.5° increments. UA and UB mounts be field adjusted in 2.5° increments to a maximum till of 45°.

Transportation mount is constructed of 36 stainless steel and mounts to surface with (4) 38° fasteners by others

Trunnion mount is constructed of A500 and A1011 steel and is adjustable from 0-180° in 15° degree increments. UD mount is adjustable from 0-45° in 15° degree increments, and is factory preset to 45°. Trunnion mount secures to surface with [1] 34° bottle 72 | 1/2° or 3/8° bottls

Luminaires ordered with NM mount include 18° [340mm] 18/5 or 16/5 cord exiting the luminaire; when combined with N or R option, 18° [340mm] 18/7 or 14/7 cord is provided. UA and UB mounts include 81° [2.4m] 14/3, WMS ESDW black cord exiting the aid of the

bet indust in 12.4m 1.4c could eathing to in the death of the countries. Our mount of the countries of the c

 Weight
 Housing

 Mount
 Medium

 OSC-ML-B-AA
 28.4 bs. 1(2.7kg)

 32.0 lbs. [14.5kg]
 32.0 lbs. [14.5kg]

 OSC-ML-B-DA
 28.9 lbs. [13.1kg]
 32.4 lbs. [14.7kg]

 OSC-ML-B-TSP
 42.0 lbs. [19.1kg]
 44.0 lbs. [20.0kg]

 OSC-ML-B-TM
 32.6 lbs. [14.8kg]
 33.1 lbs. [15.6kg]

 UA
 29.5 lbs. [13.4kg]
 33.1 lbs. [15.0kg]

 UC
 28.9 lbs [13.1kg]
 32.4 lbs. [14.7kg]

 UD
 32.6 lbs. [14.8kg]
 36.1 lbs. [16.6kg]

Integral 10k/ surge suppression protection standard

When code dictates fusing, a slow blow fuse or type C/D breaker should be underest incurse current

Designed with 0-10v dimming capabilities. Controls by others
Refer to Dimming spec sheet for details

Maximum 10v Source Current: 10mA

Described Temporative Repeate of 0.7 c. 40.0 C.1.40.5 c. 10.4 E.

Refer to Dimming spec sheet for details

Maximum 10V Source Current: 1.0mA

Operating Temperature Range: -40°C - +40°C (-40°F - +104°F)

REGULATORY & VOLUNTARY QUALIFICATIONS

CULus Listed [UL1598]

Suitable for wet locations

Meets NEMA 082.77 standards

Drivers and LEDs are UL Recognized in accordance with UL8750

Drivers and LEDs are UL Recognized in accordance with UL8750
Enclosure rated IP66 per IEC 60529 when ordered without N or R options
Consult factory for CE Certified products
Certified to ANSI C136.31-2018, 36 bridge and overpass vibration standards
ANSI C136.2 10KV surge protection, tested in accordance with IEEE/ANSI C62.4.1.2
Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
Meets Buy American requirements within ARRA

industry/lsa/lsa-products/ for most current information

CAREDIONTS WARNING: Cancer and Reproductive Harm –

www.p65warnings.ca.goz

Product Specifications

SYNAPSE* SIMPLYSNAP INTELLIGENT CONTROL

The Synapse SimplySNAP platform is a highly intuitive connected lighting solution featuring zone dimming, motion sensing, and daylight harvesting with utility-grade power monitoring and support of up to 1000 nodes per gateway. The system features a reliable and robust self-healing mesh network with a browser-based interface that runs on smartphones, tables, and PCs. The Twist-Lock Lighting Controller [TL7-BZ] and Site Controller [SS450-002] take the OSG Series to a new performance plateau, providing extreme energy productivity, code compliance and a better light experience.

CREE \$ LIGHTING

ACCESSOFIES

Field-Installed

Backlight Shield [Front Facing Optics]
0S0-0BLSMF [Medium]
0S0-0BLSMF [Mediu

CREE : LIGHTING

ADDITIONAL FIXTURE INFO

WALL MOUNTED

XSP Series

XSPW™ LED Wall Mount Luminaire featuring Cree TrueWhite® Technology

Product Description

The XSPW™ LED wall mount luminaire has a slim, low profile design intended for outdoor wall mounted applications. The rugged lightweight aluminum housing and mounting box are designed for installation over standard single gang J-Boxes and mud ring single gang J-Boxes. The luminaire allows for through-wired or conduit entry from the top, bottom, sides and rear. The housing design is intended specifically for LED technology including a weathertight LED driver compartment and thermal management. Optic design features industry-leading NanoOptic® Precision Delivery Grid™ system in multiple distributions.

Applications: General area and security lighting

Performance Summary

NanoOptic® Precision Delivery Grid™ optic

Assembled in the U.S. A. of U.S. and imported parts

CRit Minimum 70 CR (13000K, 4000K, 5000K, 5700K); 90 CRI (5000K)

CCT: 3000K, 4000K, 5000K, 5700K

Limited Warranty*: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

See Integrity: 127 (305mm) Square

WM-P117** 1/1 (155mm) Square

QTY LABEL DESCRIPTION

D XSPW-B-WM-3ME-6L-40K-UL-XX

 Lumen Package
 Weight

 2L, 4L, 6L
 11.0 lbs. (5.0kg)

 8L
 11.8 lbs. (5.4kg)

Ordering Information

Example: XSPW-B-WM-2ME-2L-30K-UL-BK

XSPW B WM

Product Version Mounting Optic Lumen
Package* CCT Voltage Color Options Options

XSPW B WM

Wall Type II Medium 4 ME
Type II Medium 4 ME
Type IV Medium Type IV Medium Type IV Medium AME
Type II Medium 4 ME
Type IV Medium Type IV Medium Type IV Medium AME
Type IV Medium Type IV Med

Electrical Data*

CREE CULS (800) 236-6800
Us: creelighting-camed a.com (800) 473-1234

CREE CULS (800) 473-1234

XSPW™ LED Wall Mount Luminaire

Product Specifications

CREE TRUEWHITE® TECHNOLOGY

A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology is a patented approach that delivers an exclusive combination of 90+ CRI, beautiful light characteristics and tifelong color consistency, all while maintaining high luminous efficacy – a true no compromise solution.

CONSTRUCTION & MATERIALS

• Stim, low profile design

Luminaire housing specifically designed for LED applications with

Luminaire housing specifically designed for LED applications with advanced LED thermal management and driver
 Luminaire mounting box designed for installation over standard single gang J-Boxes and mud ring single gang J-Boxes
 Luminaire can also be direct mounted to a wall and surface wired
 Secures to wall with four 3/16" (5mm) screws (by others)
 Conduit entry from ton bottom sides and rear

Conduit entry from top, bottom, sides, and rear
Exclusive Colorfast DeltaGuard* finish features an E-coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, black, white and bronze are available
Weight: 2L, 4L, 6L - 11.0 lbs. (5.0kg); 8L - 11.8 lbs. (5.4kg)

ELECTRICAL SYSTEM
Input Voltage: 120-277V or 347-480V, 50/60Hz
Power Factor: > 0.9 at full load
Total Harmonic Distortion: < 20% at full load
Integral 10kV surge suppression protection standard
When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current

When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
Designed with 0-100 vimming capabilities. Controls by others

10V Source Current: 0.15 mA
Operating Temperature Range: -40°C -+50°C (-40°F -+122°F)
REGULATORY & VOLUNTARY QUALIFICATIONS
CULUS Listed
Suitable for wet locations

Enclosure rated IP66 per IEC 60598
 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
 Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
 Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
 Meets Buy American requirements within ARRA

RoHS compliant. Consult factory for additional details
 Dark Sky Friendly, IDA Approved when ordered with 30K CCT
 DLC and DLC Premium qualified versions available. Please refer to https://www.designlights.org/Search/ for most current information
 CA RESIDENTS WARNING: Cancer and Reproductive Harm – www.p55warnings.ca.gov

· Designed for downlight applications only

Total Current (A)

0°C (32°F) 1.05 1.00 0.98 0.96 0.94

5°C (41°F) 1.04 1.00 0.98 0.96 0.94

10°C (50°F) 1.03 0.99 0.97 0.95 0.93

15°C (59°F) 1.02 0.98 0.96 0.94 0.92

20°C (68°F) 1.01 0.97 0.95 0.93 0.91

25°C (77°F) 1.00 0.96 0.94 0.92 0.90

30°C (86°F) 0.99 0.95 0.93 0.91 0.89

35°C (95°F) 0.98 0.94 0.92 0.90 0.88

40°C (104°F) 0.99 0.95 0.93 0.91 0.89

40°C (104°F) 0.99 0.95 0.93 0.91 0.89

**Luminaire ambient temperature factors (LATF) have been applied to all tumen maintenance factors. Please refer to the Temperature 2 one Reference Document for outdoor average nighttime ambient conditions

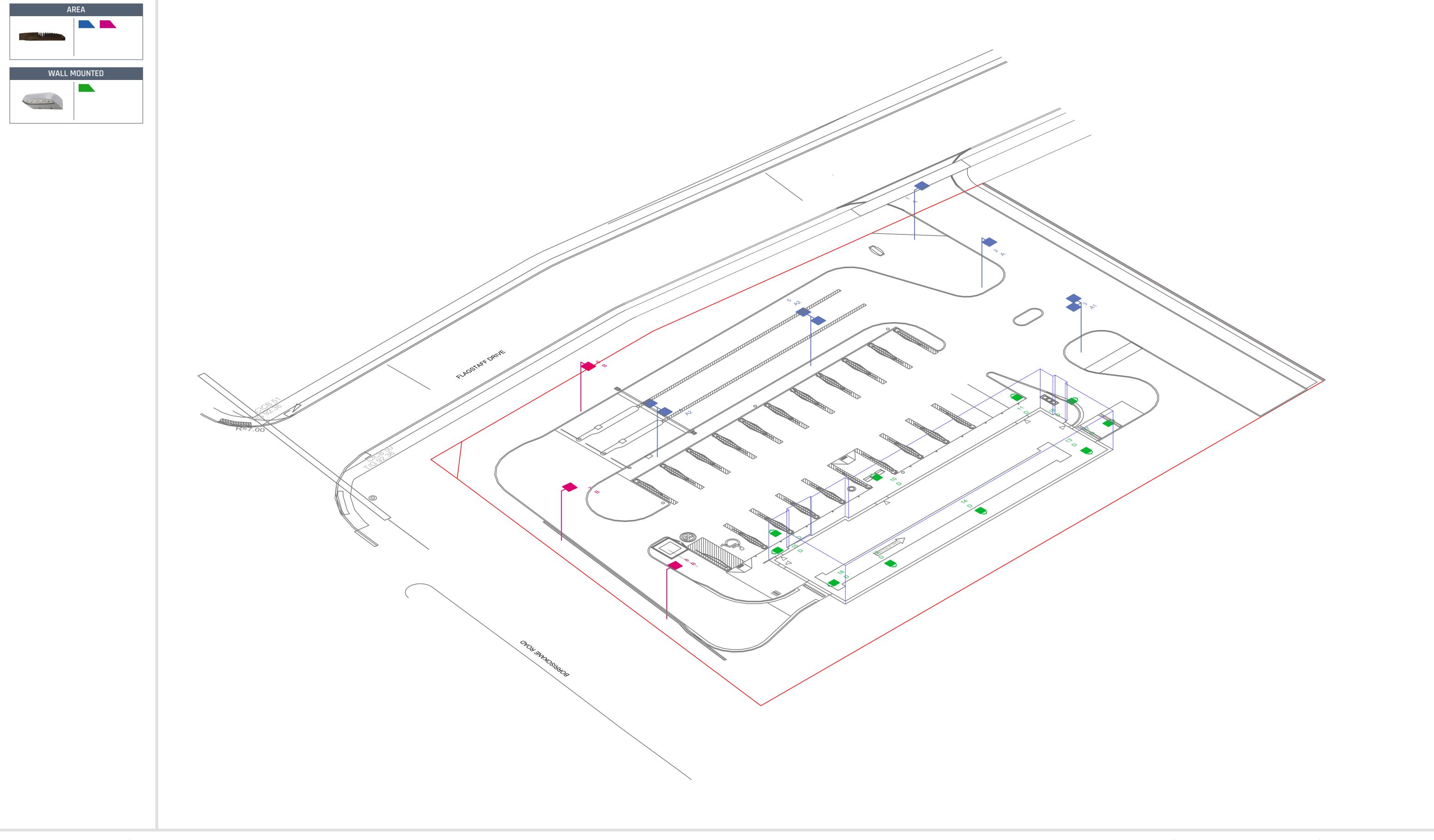
**I accordance write LSMA ITAL "1.17 (Projected Values represent interpolated value based on time durations that are within six times (6X) the LSMA LM-80-08 tetral less duration in hours) for the device under testing (100°T) is. the "an accordance with ESMA LM-11.71 (Lacquisted Values prepresent interpolated value based on time durations that are within six times (6X) the LSMA LM-80-08 tetral less duration in hours) for the device under testing (100°T) is. the "an accordance with ESMA LM-80-08 tetral less duration in hours) for the device under testing (100°T) is. the "an accordance with ESMA LM-80-08 tetral less duration in hours) for the device under testing (100°T) is.

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