PRELIMINARY PLAN

QT 4448 ADDITION SUBDIVISION
LOT 1

SCIENTEL SOLUTIONS SUB
DOC R2019-051237

LOT 2
PIN 07-08-103-026
OWNER: SCIENTEL EOLA PROP. LLC

LOT 1
PIN 07-08-103-025
OWNER: SCIENTEL EOLA PROP. LLC

LOT 5
PIN 07-08-103-024
OWNER:YORKVILLE PARTNERS LLC

LOT 4
PIN 07-08-103-022
OWNER:YORKVILLE PARTNERS LLC

LOT 3
PIN 07-05-304-012
OWNER:YORKVILLE PARTNERS LLC

PIN 07-08-103-023
OWNER:YORKVILLE PARTNERS LLC

PIN 07-08-103-006
OWNER:COMMONWEALTH EDISON

SCHELLING FARM SUB.
DOC. R1946-498416

PARCEL 1

PARCEL 2

DIEHL PLAT NO. 2
(DOC R1964-0303278)

DIEHL ROAD

EOLA ROAD (IL 14)

DRY BOTTOM
DETENTION FACILITY
HWL=725.54 (1,031 LF)

Wetland Limits Per
Wetland Delineation Report
Prepared by Terracon
Dated June 18, 2024

STORMWATER
CONTROL
EASEMENT

CROSS-ACCESS
EASEMENT

10' CITY
EASEMENT

CITY
EASEMENT

MONUMENT SIGN
7'-10"

N86°12'58"W 657.93'

(N86°15'56"W 610.97')

S03°46'07"W 652.27'

N42°37'58"E
136.64'

S89°49'41"E
51.01'

L=516.45', R=622.96'
CB = N66°20'42"E
(CB=N66°21'57"E)
CD = 501.79'

99' BK/BK
146.81' R/W

146.54' R/W

156.4' R/W

98.61' R/W

100' R/W

125' R/W

N03°47'40"E
215.23'

N42°30'02"E
172.46'

92.33'

29.33'

61.5'

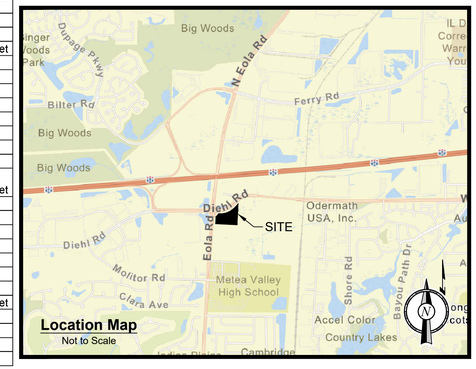
1"=40'

LEGEND:

DESCRIPTION	PROPOSED	EXISTING
STORM 12" & UP		
STORM <12"	ST	st
BACK OF CURB DRAIN	BC	
STORM SEWER CLEANOUT	CO	CO
CURB INLET	CI	CI
JUNCTION BOX	JB	JB
GRATE INLET	GI	GI
WATER	WTR	wtr
FIRE HYDRANT	FH	FH
WATER METER	M	M
WATER VALVE		
OVERHEAD ELECTRICAL	OHE	ohe
UNDERGROUND ELECTRICAL	UGE	uge
POWER POLE	PP	PP
PUBLIC STREET LIGHT POLE	LP	LP
OVERHEAD TELEPHONE	OHT	oht
UNDERGROUND TELEPHONE	UGT	ugt
TELEPHONE MANHOLE	TELE MH	TELE MH
FIBER OPTIC CABLE	UFOC	ufoc
QT LIGHT FIXTURE		
SANITARY SEWER	SS	ss
SANITARY SEWER MANHOLE	SSMH	SSMH
SANITARY SEWER CLEANOUT	CO	CO
GAS	GAS	gas
BENCHMARK		
FENCE		
PROPERTY LINE		
CONCRETE CURB AND GUTTER		
MOUNTABLE CURB W/ RADIUS PROTECTOR		
PARKING SPACE INDICATOR		
MULTIPLE PRODUCT AUTO DISPENSER WITH CANOPY COLUMN & BOLLARDS		
ELECTRICAL TRANSFORMER	TFR	
FUEL SYSTEM TRANSITION SUMP		

Development Data Table: Preliminary Plan

Description	Value	Unit	Description	Value	Unit
a) Tax/Parcel Identification Number(s) (PINs): 07-05-304-012, 07-08-103-022, 07-08-103-023, 07-08-103-024			j) Total Number of Residential Dwelling Units	0	units
			i. Gross Density	0.00	du/acre
			ii. Net Density	0.00	Net Density
			k) Number of Single Family Dwelling Units	0	units
b) Proposed land use(s):			i. Gross Density	0.00	du/acre
Commercial					
			iii. Unit Square Footage (average)	-	square feet
c) Total Property Size	5.99382461	Acres	iv. Bedroom Mix	0%	% 1 bdr
	261,091	Square feet		0%	% 2 bdr
d) Total Lot Coverage	109,977	Square feet		20%	% 3 bdr
(buildings and pavment)	42%	Percent		80%	% 4 bdr
e) Open space / landscaping	151,114	Square feet	v. Number of Single Family Corner Lots	0	units
	58%	Percent	l) Number of Single Family Attached Dwelling Units	0	units
f) Land to be dedicated to the School District	0	Acres	i. Gross Density	0.00	du/acre
g) Land to be dedicated to the Park District	0	Acres			
h) Number of parking spaces provided (individually accessable)	48	spaces	iii. Unit Square Footage (average)	-	square feet
i. surface parking lot	48	spaces	iv. Bedroom Mix	0%	% 1 bdr
perpendicular	46	spaces		90%	% 2 bdr
parallel	0	spaces		10%	% 3 bdr
angled	0	spaces		0%	% 4 bdr
handicapped	2	spaces	m) Number of Multifamily Dwelling Units	0	units
ii. enclosed	0	spaces	i. Gross Density	0.00	du/acre
iii. bike	0	racks			
i) Number of buildings	1		iii. Unit Square Footage (average)	-	square feet
i. Number of stories	1	stories	iv. Bedroom Mix	0%	Efficency
ii. Building Square Footage (typical)	5,023	square feet		40%	% 1 bdr
iii. Square Footage of retail floor area	0	square feet		50%	% 2 bdr
iv. First Floor Building Square Footage (typical)	5,023	square feet		10%	% 3 bdr



Location Map
Not to Scale

DARLA K. HOLMAN
062-072191
PROFESSIONAL ENGINEER
STATE OF ILLINOIS
3/21/25

PROJECT NO.: 89-4423

Project Engineer:
MG
Midwest Design Group
Kansas City
PO Box 860015
Shawnee, KS 66286-0015
P 913.248.9385

PRELIMINARY PLAN
QT 4448 ADDITION SUBDIVISION LOT 1
QuikTrip No. 4448
EOLA ROAD (IL 14) & DIEHL ROAD
AURORA, DUPAGE COUNTY, IL 60502

Current Land Owner:
Yorkville partners II, LLC
1733 park Street, Ste 110
Naperville, IL 60563
Timothy Boos, Manager
tboos@boostrt.com
312-560-2560

Petitioner:
QuikTrip Corporation
50 South Main Street, Ste 200
Naperville, IL 60540
Ali Bukhres
abukhres@quiktrip.com
918-284-9456

PROTOTYPE: P-120
DIVISION: 89
VERSION: 001
DESIGNED BY: DKH
DRAWN BY: CSH
REVIEWED BY: CJC

REV	DATE	DESCRIPTION
		ORIGINAL ISSUE DATE: 03/21/2025

SHEET TITLE:
OVERALL SITE PLAN

SHEET NUMBER:
C010

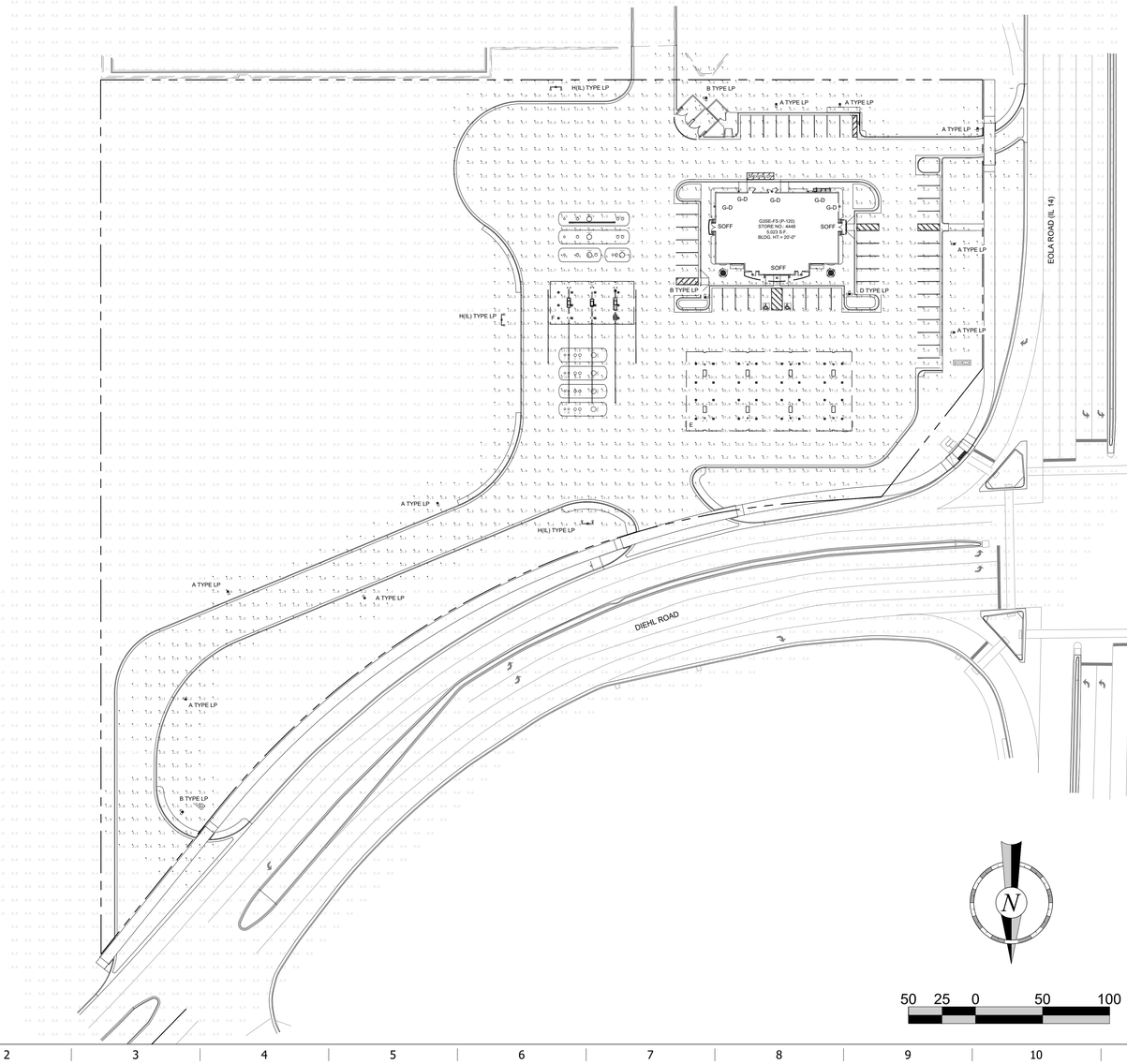
FILE LOCATION:\\DESKTOP--HIMC869\Civil 3D Projects\QT4448 Aurora, IL\89-4448 Civil.dwg TAB NAME:Overall Plan Layout USER:Jonathon Smith SAVED:3/21/2025 2:26 PM PLOTTED:3/21/2025 2:26 PM

PHOTOMETRIC PLAN

QT 4448 ADDITION SUBDIVISION
LOT 1

LUMINAIRE SCHEDULE									
	SYMBOL	LABEL	QTY	ARRANGEMENT	MOUNTING HEIGHT	LUMENS PER LAMP	LLF	DESCRIPTION	TOTAL WATTS
		A	09	SINGLE	22'	12,591	0.90	SLM-LED-12L-SIL-FT-40-70-CRI	93.1
		B	03	2 @ 90°	22'	12,591	0.90	SLM-LED-12L-SIL-FT-40-70-CRI	93.1
		C	00	2 @ 180°	22'	12,591	0.90	SLM-LED-12L-SIL-FT-40-70-CRI	93.1
		D	01	3 @ 90°	22'	12,591	0.90	SLM-LED-12L-SIL-FT-40-70-CRI	93.1
		E	32	SINGLE	15' TO 19'	12,793	0.90	SCV-LED-13L-SC-40 (WHITE)	83.6

LUMINAIRE SCHEDULE									
	SYMBOL	LABEL	QTY	ARRANGEMENT	MOUNTING HEIGHT	LUMENS PER LAMP	LLF	DESCRIPTION	TOTAL WATTS
		F	12	SINGLE	15' TO 19'	12,793	0.90	SCV-LED-13L-SC-40 (BLACK)	83.6
		SOFF	09	SINGLE	10' TO 12'	6,041	0.90	XSPS-S-LED-VHO-NW-DFL	48.7
		G-D	05	SINGLE	12'	6,275	0.90	XWM-3-LED-06-40	54
		H (IL)	03	DOUBLE	35'	67,023	0.90	MRL-LED-65L-SIL-FT-40-70CRI-IL	592
		V	00	N/A	22'	N/A	N/A	LOW VOLTAGE POLE	N/A



Photometric Data Table

	Description	Value	Unit
	Total proposed external lumens	1,076,343	Lumens
	Total square footage of area to be illuminated.	97,856	Square Feet
Fixture #	Description	Value	Unit
1	i) Type of Fixture (i.e. Pole, Wall Mounted)	Pole	
	ii) manufacturer and model number(s)	LSI Industries SLM-LED-12L-SIL-FT-40-70-CRI	
	iii) Number of these Fixtures Shown	9	Fixtures
	vi) Lamp source type (bulb type, i.e. high pressure sodium, LED)	LED	
	v) Lumen output and wattage per Fixture	12,591lms/93.1w	Lumen/Wattage
	vi) Mounting Height / Fixture Height	22	Feet
Fixture #	Description	Value	Unit
2	i) Type of Fixture (i.e. Pole, Wall Mounted)	Pole	
	ii) manufacturer and model number(s)	LSI Industries SLM-LED-12L-SIL-FT-40-70-CRI	
	iii) Number of these Fixtures Shown	3	Fixtures
	vi) Lamp source type (bulb type, i.e. high pressure sodium, LED)	LED	
	v) Lumen output and wattage per Fixture	25,182lms/186.2w	Lumen/Wattage
	vi) Mounting Height / Fixture Height	22	Feet
Fixture #	Description	Value	Unit
3	i) Type of Fixture (i.e. Pole, Wall Mounted)	Pole	
	ii) manufacturer and model number(s)	LSI Industries SLM-LED-12L-SIL-FT-40-70-CRI	
	iii) Number of these Fixtures Shown	1	Fixtures
	vi) Lamp source type (bulb type, i.e. high pressure sodium, LED)	LED	
	v) Lumen output and wattage per Fixture	37, 773lms/279.3w	Lumen/Wattage
	vi) Mounting Height / Fixture Height	22	Feet
Fixture #	Description	Value	Unit
4	i) Type of Fixture (i.e. Pole, Wall Mounted)	Soffit mounted	
	ii) manufacturer and model number(s)	LSI Industries SCV-LED-13L-SC-40 (WHITE)	
	iii) Number of these Fixtures Shown	32	Fixtures
	vi) Lamp source type (bulb type, i.e. high pressure sodium, LED)	LED	
	v) Lumen output and wattage per Fixture	12,793lms/83.6w	Lumen/Wattage
	vi) Mounting Height / Fixture Height	17	Feet
Fixture #	Description	Value	Unit
5	i) Type of Fixture (i.e. Pole, Wall Mounted)	Soffit mounted	
	ii) manufacturer and model number(s)	LSI Industreis SCV-LED-13L-SC-40 (BLACK)	
	iii) Number of these Fixtures Shown	12	Fixtures
	vi) Lamp source type (bulb type, i.e. high pressure sodium, LED)	LED	
	v) Lumen output and wattage per Fixture	12,793lms/83.6w	Lumen/Wattage
	vi) Mounting Height / Fixture Height	17	Feet
Fixture #	Description	Value	Unit
6	i) Type of Fixture (i.e. Pole, Wall Mounted)	Soffit mounted	
	ii) manufacturer and model number(s)	LSI Industries XSPS-S-LED-VHO-NW-DFL	
	iii) Number of these Fixtures Shown	9	Fixtures
	vi) Lamp source type (bulb type, i.e. high pressure sodium, LED)	LED	
	v) Lumen output and wattage per Fixture	6,041lms/48.7w	Lumen/Wattage
	vi) Mounting Height / Fixture Height	10	Feet
Fixture #	Description	Value	Unit
7	i) Type of Fixture (i.e. Pole, Wall Mounted)	Wall mounted	
	ii) manufacturer and model number(s)	LSI Industries XMW-3-LED-06-40	
	iii) Number of these Fixtures Shown	5	Fixtures
	vi) Lamp source type (bulb type, i.e. high pressure sodium, LED)	LED	
	v) Lumen output and wattage per Fixture	6,275lms/54w	Lumen/Wattage
	vi) Mounting Height / Fixture Height	12	Feet
Fixture #	Description	Value	Unit
8	i) Type of Fixture (i.e. Pole, Wall Mounted)	Pole	
	ii) manufacturer and model number(s)	LSI Industries MRL-LED-65L-SIL-FT-40-70-CRI-IL	
	iii) Number of these Fixtures Shown	3	Fixtures
	vi) Lamp source type (bulb type, i.e. high pressure sodium, LED)	LED	
	v) Lumen output and wattage per Fixture	67,023lms592w	Lumen/Wattage
	vi) Mounting Height / Fixture Height	35	Feet

PROJECT NO.: 89-4423

CRUX
TECHNOLOGY + SECURITY SOLUTIONS
800.685.6440
www.cruxsolutions.com

PRELIMINARY PLAN
QT 4448 ADDITION SUBDIVISION LOT 1
QuikTrip No. 4448
EOLA ROAD (IL 14) & DIEHL ROAD
AURORA, DUPAGE COUNTY, IL 60502

Current Land Owner:
Yorkville partners II, LLC
1733 park Street, Ste 110
Naperville, IL 60563
Timothy Boos, Manager
tboos@boosrt.com
312-560-2560

Petitioner:
QuikTrip Corporation
50 South Main Street, Ste 200
Naperville, IL 60540
Ali Bukhres
abukhres@quiktrip.com
918-284-9456

PROTOTYPE:	P-120
DIVISION:	89
VERSION:	001
DESIGNED BY:	DKH
DRAWN BY:	CSH
REVIEWED BY:	CJC

REV	DATE	DESCRIPTION
		ORIGINAL ISSUE DATE: 03/21/2025

SHEET TITLE:
PHOTOMETRIC SITE PLAN

SHEET NUMBER:
C160

FILE LOCATION:\\DESKTOP-HIMC8GB\Civil 3D Projects\QT4448 Aurora, IL\84-4448 Photometric.dwg TAB NAME:Photometric USER:Jonathon Smith SAVED:3/21/2025 2:30 PM PLOTTED:3/21/2025 2:30 PM

PHOTOMETRIC PLAN
QT 4448 ADDITION SUBDIVISION
LOT 1

Catalog # :	Project :
Prepared By :	Date :



Slice Medium - SLM
Outdoor LED Area Light

The Slice's sleek design makes it perfectly-suited for Commercial & Industrial applications, while its cost-effective die-cast aluminum housing makes its acquisition cost very competitive. The Slice offers high performance silicone optics, die cast aluminum housing, 42,000+ lumens and is available with integral Airlink Synapse controls.

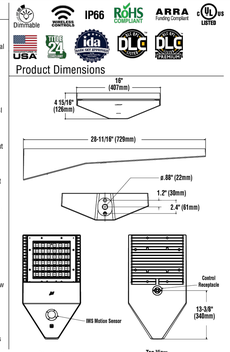
Features & Specifications

Optical System
- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in IES Types 2, 3, SW, FT and FTA.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, 3000K, and 2700K color temperatures per ANSI C78.377. Optional 5700K CCT available in 90CRI only.
- Minimum CRI of 70. Optional 80 and 90 CRI available, consult factory for lead time.
- Integral Louver (IL) option available for improved back-light control without sacrificing street side performance. See page 5 for more details.

Electrical
- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours (See Lumen Maintenance on Page 3)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 42L lumen package rated to +40°C.
- Power factor: > 90
- Input power stays constant over life.
- Field replaceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Terminal block provided accepts up to 10ga wire.
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.

DimTestable · IP66 · RoHS COMPLIANT · ARRA Funding Compliant · cULus LISTED · USA · DLC · DLC PREMIUM

Product Dimensions



Slice Medium - SLM
Outdoor LED Area Light

Features & Specifications (Cont.)

Construction
- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Designed to mount to square poles.
- Luminaire is proudly manufactured in the U.S.of U.S. and imported parts.
- IP66 rated luminaire protects integral components from harsh environments.
- 3G rated for ANSI C136.31 high vibration applications
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 30 lbs in carton.

Controls

Wireless Controls System

To make this fixture AirLink ready, simply order one of the following options:
- a. The integrated Wireless Lighting Controller: ALSC or ALSCH (see ordering guide) as the controls option, or
- b. Integrated Wireless Controller option (above) with integrated motion sensor: ALSCS (ordering guide for mounting heights) or
- c. The 7-Pin Photoelectric Control Receptacle: CR7P as the controls option; and either the 5-Pin or 7-Pin Twist Lock Controller: ALSC UNV TLS or ALSC UNV TL7 as an accessory

To see how the components of AirLink system work together, reference the diagram in the controls section of this specsheet. For more information on our AirLink products, visit our website: www.lsi-airlink.com/airlink-synapse/

Stand-Alone Controls
- The integral passive infrared motion sensor (IMS) activates switching of luminaire light levels (see the controls section for more details).
- The 7-pin ANSI C136.41-2013 photocontrol receptacle option (CR7P) is available for twist lock photocontrols or wireless control modules.
- The Button Type Photocells (PC) are capable of switching luminaires ON/OFF in response to the amount of available daylight.

Installation
- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment for installing/servicing.
- Included terminal block provides quick and easy on-site wiring.
- Utilizes LSI's traditional 3/ drill pattern for easy fastening of LSI products. (See drawing on page 1)

Warranty
- LSI LED Fixtures carry a 5-year warranty.

Listings
- Listed to UL 1598 and UL 8750.
- RoHS Compliant.
- American Recovery and Reinvestment Act Funding Compliant.
- DA compliant; with 3000K color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable For wet Locations.
- IP66 rated Luminaire. IP66 rated optical chamber.
- 3G rated for ANSI C136.31 high vibration applications

Performance

ELECTRICAL DATA (AMPS)*

Lumens	Watts	120V	208V	240V	277V	347V	480V
9L	69.2	0.6A	0.4A	0.3A	0.3A	0.2A	0.1A
12L	93.1	0.8A	0.4A	0.4A	0.3A	0.3A	0.2A
18L	148.5	1.2A	0.7A	0.6A	0.5A	0.4A	0.3A
24L	188.8	1.6A	0.9A	0.8A	0.7A	0.5A	0.4A
30L	248.6	2.1A	1.2A	1.0A	0.9A	0.7A	0.5A
36L	317.8	2.6A	1.5A	1.3A	1.1A	0.9A	0.7A
42L	382.4	3.3A	1.9A	1.6A	1.4A	1.1A	0.8A

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%

ELECTRICAL DATA - PHOSPHOR CONVERTED AMBER (AMPS)*

Lumens	Watts	120V	208V	240V	277V	347V	480V
9L	74.3	0.6A	0.4A	0.3A	0.3A	0.2A	0.2A
12L	102.9	0.9A	0.5A	0.4A	0.4A	0.3A	0.2A

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%

RECOMMENDED LUMEN MAINTENANCE(Z4-42L)

Ambient	Initial¹	25 hr²	50 hr²	75 hr²	100 hr²
0-40 C	100%	100%	97%	94%	92%

RECOMMENDED LUMEN MAINTENANCE(9-18L)

Ambient	Initial¹	25 hr²	50 hr²	75 hr²	100 hr²
0-50 C	100%	96%	91%	87%	83%

1- Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.
2- In accordance with IESNA TM-21-11. Projected Values represent time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
3- In accordance with IESNA TM-21-11. Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing

DELIVERED LUMENS*

Lumen Package	Distribution	Phosphor Converted Amber			Wattage
		Delivered Lumens	Efficacy	BUG Rating	
9L	2	3958	80	B2-U0-G2	74
	2 IL	3958	80	B2-U0-G1	
	3	6196	83	B1-U0-G1	
	3 IL	4305	58	B0-U0-G1	
	SW	5528	74	B1-U0-G1	
	FT	5920	79	B1-U0-G2	
	FT IL	3712	50	B0-U0-G1	
	FTA	5987	80	B1-U0-G2	
12L	FTA IL	4264	57	B0-U0-G1	
	2	7559	73	B2-U0-G2	
	2 IL	4738	46	B0-U0-G1	
	3	7860	76	B2-U0-G2	
	3 IL	5335	52	B0-U0-G1	
	SW	7013	68	B2-U0-G2	
	FT	7513	73	B2-U0-G2	
	FT IL	4709	46	B0-U0-G1	
	FTA	7608	74	B2-U0-G2	
	FTA IL	5397	52	B0-U0-G1	

*LED Chips are frequently updated therefore values are nominal

LUMINAIRE EPA CHART - SLM

Tilt Degree	0°	10°	40°
Single	0.5	2.1	2.6
D180°	1.1	2.1	2.6
D90°	0.9	2.5	3.1

Tilt Degree	0°	10°	40°
T90°	1.2	2.9	3.6
T4120°	1.3	4.4	5.4
Q90°	1.2	2.9	3.6

Specifications and dimensions subject to change without notice.

Slice Medium - SLM
Outdoor LED Area Light

DELIVERED LUMENS*

Lumen Package	Distribution	CRI	5700K CCT			4000K CCT			3000K CCT			2700K CCT			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
9L	2	70	8349	122	B2-U0-G2	8576	125	B2-U0-G2	8196	137	B2-U0-G2	8184	143	B2-U0-G2	69
	2 IL	70	5185	76	B0-U0-G1	5326	78	B0-U0-G1	5635	85	B0-U0-G1	6076	89	B0-U0-G1	
	3	70	8573	125	B1-U0-G2	8804	128	B1-U0-G2	9646	141	B2-U0-G2	10044	147	B2-U0-G2	
	3 IL	70	6283	92	B0-U0-G2	6454	94	B0-U0-G2	7071	103	B0-U0-G2	7363	107	B0-U0-G2	
	SW	70	7647	112	B1-U0-G2	7855	115	B1-U0-G2	8382	123	B1-U0-G2	8685	127	B1-U0-G2	
	FT	70	8187	120	B1-U0-G2	8409	123	B1-U0-G2	8982	131	B1-U0-G2	9305	136	B1-U0-G2	
	FT IL	70	5355	79	B0-U0-G2	5500	81	B0-U0-G2	6089	89	B0-U0-G2	6309	92	B0-U0-G2	
	FTA	70	8468	123	B1-U0-G2	8699	127	B1-U0-G2	9535	139	B2-U0-G2	9911	145	B2-U0-G2	
	FTA IL	70	6200	91	B1-U0-G1	6369	93	B1-U0-G1	6978	102	B1-U0-G1	7256	106	B1-U0-G1	
12L	2	70	11157	119	B2-U0-G2	11461	122	B2-U0-G2	12556	134	B2-U0-G2	13025	139	B2-U0-G2	94
	2 IL	70	6929	74	B1-U0-G1	7117	76	B1-U0-G2	7798	83	B1-U0-G2	8113	86	B1-U0-G2	
	3	70	11464	122	B2-U0-G2	11778	125	B2-U0-G2	12890	137	B2-U0-G2	13402	143	B2-U0-G2	
	3 IL	70	8396	89	B0-U0-G2	8626	92	B0-U0-G2	9449	101	B0-U0-G2	9839	105	B0-U0-G2	
	SW	70	10602	116	B4-U0-G2	11108	118	B4-U0-G2	12269	131	B4-U0-G2	12773	136	B4-U0-G2	
	FT	70	11141	119	B2-U0-G2	11446	122	B2-U0-G2	12528	133	B2-U0-G3	13056	139	B2-U0-G3	
	FT IL	70	7297	77	B0-U0-G2	7493	79	B0-U0-G2	8113	86	B0-U0-G2	8445	90	B0-U0-G2	
	FTA	70	11304	120	B2-U0-G2	11612	124	B2-U0-G2	12722	135	B2-U0-G2	13247	141	B2-U0-G2	
	FTA IL	70	8291	89	B1-U0-G1	8511	91	B1-U0-G1	9325	99	B1-U0-G1	9712	103	B1-U0-G1	
18L	2	70	16714	112	B3-U0-G3	17168	115	B3-U0-G3	18809	126	B3-U0-G3	19586	131	B3-U0-G3	150
	2 IL	70	10379	69	B1-U0-G2	10662	71	B1-U0-G2	11681	78	B1-U0-G2	12163	81	B1-U0-G2	
	3	70	17158	115	B2-U0-G3	17625	118	B2-U0-G3	19315	129	B3-U0-G3	20107	134	B3-U0-G3	
	3 IL	70	12578	84	B0-U0-G3	12920	86	B0-U0-G3	14155	95	B0-U0-G3	14739	99	B0-U0-G3	
	SW	70	16331	109	B4-U0-G2	16776	112	B4-U0-G2	18379	123	B4-U0-G2	19138	128	B5-U0-G3	
	FT	70	16683	112	B3-U0-G3	17143	115	B3-U0-G3	18781	126	B3-U0-G3	19557	131	B3-U0-G4	
	FT IL	70	10795	72	B1-U0-G2	11089	74	B1-U0-G2	12149	81	B1-U0-G2	12651	85	B1-U0-G2	
	FTA	70	16934	113	B3-U0-G3	17395	116	B3-U0-G3	19058	127	B3-U0-G3	19844	133	B3-U0-G3	
	FTA IL	70	12412	83	B1-U0-G1	12750	85	B1-U0-G1	13969	93	B1-U0-G1	14546	97	B1-U0-G2	
24L	2	70	20995	112	B3-U0-G3	21571	115	B3-U0-G3	23629	126	B3-U0-G3	24594	131	B3-U0-G3	187
	2 IL	70	13100	70	B1-U0-G2	14241	76	B1-U0-G2	15231	81	B1-U0-G2	15850	85	B1-U0-G2	
	3	70	21570	115	B3-U0-G3	22158	118	B3-U0-G3	24277	130	B3-U0-G3	25282	135	B3-U0-G3	
	3 IL	70	14459	66	B0-U0-G3	15208	69	B0-U0-G3	16657	76	B0-U0-G3	17345	79	B0-U0-G3	
	SW	70	20659	110	B4-U0-G2	21232	113	B4-U0-G2	23266	124	B4-U0-G2	24230	130	B5-U0-G3	
	FT	70	21011	116	B3-U0-G3	22496	120	B3-U0-G3	24646	131	B3-U0-G3	25668	137	B3-U0-G4	
	FT IL	70	13892	73	B1-U0-G2	14886	80	B1-U0-G2	15919	86	B1-U0-G2	16252	87	B1-U0-G2	
	FTA	70	21495	113	B3-U0-G3	22077	116	B3-U0-G3	24183	134	B3-U0-G3	25180	139	B3-U0-G3	
	FTA IL	70	15206	81	B1-U0-G2	16555	88	B1-U0-G2	17701	95	B1-U0-G2	18073	97	B1-U0-G2	
30L	2	70	26541	108	B4-U0-G3	28000	113	B4-U0-G3	30067	125	B4-U0-G3	31007	129	B4-U0-G3	247
	2 IL	70	16677	68	B1-U0-G2	18132	73	B1-U0-G2	19390	79	B1-U0-G2	19796	80	B1-U0-G2	
	3	70	27263	112	B3-U0-G3	28089	115	B3-U0-G3	30674	126	B3-U0-G3	31676	130	B3-U0-G3	
	3 IL	70	20150	82	B1-U0-G4	21908	89	B1-U0-G4	23428	95	B1-U0-G4	23918	97	B1-U0-G4	
	SW	70	26390	108	B5-U0-G3	27557	113	B5-U0-G3	30028	124	B5-U0-G3	31177	129	B5-U0-G3	
	FT	70	27312	111	B3-U0-G3	28672	121	B3-U0-G3	31887	130	B3-U0-G3	32656	132	B3-U0-G3	
	FT IL	70	18063	71	B1-U0-G3	18863	77	B1-U0-G3	20556	82	B1-U0-G3	20990	84	B1-U0-G3	
	FTA	70	27365	111	B3-U0-G3	29252	120	B4-U0-G3	31816	129	B4-U0-G3	32482	132	B4-U0-G3	
	FTA IL	70	19784	78	B2-U0-G3	21075	85	B2-U0-G3	22937	91	B2-U0-G3	23569	93	B2-U0-G3	
36L	2	70	32214	102	B4-U0-G3	33435	111	B4-U0-G3	37454	118	B4-U0-G3	38238	121	B4-U0-G4	317
	2 IL	70	20313	64	B1-U0-G3	21373	68	B1-U0-G3	23744	74	B1-U0-G3	24233	76	B1-U0-G3	
	3	70	33540	106	B5-U0-G4	36466	115	B5-U0-G5	38896	123	B5-U0-G5	39812	126	B5-U0-G5	
	3 IL	70	24421	77	B2-U0-G4	26561	84	B2-U0-G4	28393	90	B2-U0-G4	28987	92	B2-U0-G4	
	SW	70	31832	101	B5-U0-G4	34628	109	B5-U0-G4	37010	117	B5-U0-G4	37795	119	B5-U0-G4	
	FT	70	33042	105	B3-U0-G4	36041	114	B3-U0-G4	38706	122	B3-U0-G4	39577	125	B4-U0-G4	
	FT IL	70	21125	67	B1-U0-G4	22968	73	B1-U0-G4	24561	78	B1-U0-G4	25073	79	B1-U0-G4	
	FTA	70	33104	105	B4-U0-G4	36068	114	B4-U0-G4	38584	122	B4-U0-G4	39466	125	B4-U0-G4	
	FTA IL	70	23492	74	B2-U0-G2	25541	81	B2-U0-G2	27313	86	B2-U0-G2	27885	88	B2-U0-G2	
42L	2	70	37511	98	B4-U0-G3	38943	102	B5-U0-G3	42703	112	B5-U0-G3	43965	115	B5-U0-G3	390
	2 IL	70	23079	59	B1-U0-G3	24265	64	B2-U0-G3	26839	69	B2-U0-G3	27493	72	B2-U0-G3	
	3	70	38377	100	B5-U0-G4	41697	109	B5-U0-G5	44481	117	B5-U0-G5	45522	119	B5-U0-G5	
	3 IL	70	27886	73	B2-U0-G4	30310	79	B2-U0-G4	32422	85	B2-U0-G4	33100	87	B2-U0-G4	
	SW	70	36349	93	B4-U0-G4	39520	101	B5-U0-G4	42261	108	B5-U0-G4	43145	111	B5-U0-G4	
	FT	70	38012	98	B4-U0-G5	41306	108	B4-U0-G5	44184	116	B4-U0-G5	45127	118	B4-U0-G5	
	FT IL	70	24122	62	B1-U0-G4	26226	67	B1-U0-G4	28045	72	B1-U0-G4	28632	73	B1-U0-G4	
	FTA	70	37813	97	B4-U0-G4	41174	106	B4-U0-G4	44050	113	B4-U0-G4	44951	116	B4-U0-G4	
	FTA IL	70	26925	69	B2-U0-G2	29165	75	B2-U0-G2	31188	80	B2-U0-G2	31841	82	B2-U0-G2	

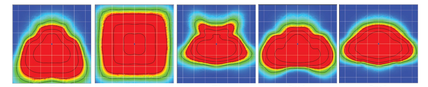
*LED Chips are frequently updated therefore values are nominal

Specifications and dimensions subject to change without notice.

Slice Medium - SLM
Outdoor LED Area Light

Performance (Cont.)

All published luminaire photometric testing performed to IESNA LM-79 standards. ISO footcandle plots below demonstrate the Slice (SLM) light patterns only. Not for total fixture output. For complete specifications and IES files, see website.



Ordering Guide

TYPICAL ORDER EXAMPLE: **SLM LED 36L SIL FTA UNV DIM 50 70CRI ALSCS04 BRZ IL**

Luminaire Prefix	Light Source	Lumen Package*	Light Output	Distribution	Orientation*	Voltage	Driver
SLM Slice Medium	LED	9L - 9,000 lms 12L - 12,000 lms 18L - 18,000 lms 24L - 24,000 lms 30L - 30,000 lms 36L - 36,000 lms 42L - 42,000 lms *Consult factory for programmable wattages and lumen packages	SIL - Silicone	2 - Type 2 3 - Type 3 SW - Type 5 Wide FT - Forward Throw FTA - Forward Throw Automotive	(blank) - standard L - Optics rotated left 90 R - Optics rotated right 90	UNV - Universal Voltage (120-277V) HV - High Voltage (347-480V)	DIM - 0-10V Dimming (0-10%)

Color Temp	Color Rendering	Controls (Choose One)	Finish	Options
57 - 5,700 CCT[1][2] 50 - 5,000 CCT 40 - 4,000 CCT 30 - 3,000 CCT 27 - 2,700 CCT AMB - Phosphor Converted Amber[2][3]	70CRI - 70 CRI 80CRI - 80 CRI 90CRI - 90 CRI [1][3]	**(Blank)** - None **Wireless Controls System** ALSC - AirLink Synapse Control System [4] ALSCH - AirLink Synapse Control System Host / Satellite [4,5] ALSCSS - AirLink Synapse Control System with 8-12' Motion Sensor [4] ALSCH8DR - AirLink Synapse Control System Host / Satellite with 8-12' Motion Sensor [4,5] ALSCSD - AirLink Synapse Control System with 12-20' Motion Sensor [4] ALSCH20D - AirLink Synapse Control System Host / Satellite with 12-20' Motion Sensor [4,5] ALSCS04 - AirLink Synapse Control System with 20-40' Motion Sensor [4] ALSCH04 - AirLink Synapse Control System Host / Satellite with 20-40' Motion Sensor [4,5] **Stand-Alone Controls** EXT - 0-10v Dimming (from external signal) IMSSM1 - Integral Motion Sensor 8-12' 120-277V [4] IMSSM2 - Integral Motion Sensor 12-20' 120-277V [4] IMSSM4 - Integral Motion Sensor 20-40' 120-277V [4] IMSSM10HV - Integral Motion Sensor 8-12' 347-480V [4,6] IMSSM20HV - Integral Motion Sensor 12-20' 347-480V [4,6] IMSSM40HV - Integral Motion Sensor 20-40' 347-480V [4,6] CR7P - 7 Pin Control Receptacle ANSI C136.41 [7] **Button Type Photocells** PC3120 - 120V PC2208-277 - 208 -277V PC3347 - 347V	BRZ - Bronze BLK - Black GPT - Graphite MSV - Metallic Silver WHT - White PLP - Platinum Plus SVG - Satin Verde Green	**(Blank)** - None IL - Integral Louver HSS[7]

Slice Medium - SLM
Outdoor LED Area Light

Accessory Ordering Information[8]

Description	Order Number
PC120 Photocell for use with CR7P option (120V)[7]	122514
PC208-277 Photocell for use with CR7P option (208V, 240V, 277V)[7]	122515
PC347 Photocell for use with CR7P option (347V)[7]	122516
PC480 Photocell for use with CR7P option (480V)[7]	122518O
ALSC UNV TLS - AirlinkTM 5Pin Twist Lock Controller[9,10]	801409
ALSC UNV TL7 - AirlinkTM 7Pin Twist Lock Controller[9,10]	661410
PMDS24 - 24V Pole-Mount Occupancy Sensor (ALSCH Compatible)[10,11]	662024CLR
IMSJPC Remote Configurator Tool	594929
JQWPP - Round Pole Adapter for 5" Round Tapered Poles[12]	4982730LR
X4RPP - Round Pole Adapter for 4" Poles[12]	3796673LR
PK120 Single Fusing (120V)	PK120
PK277 Single Fusing (277V)	PK277

Description	Order Number
DPK208, 240 Double Fusing (208V, 240V)	DPK240
DPK480 Double Fusing (480V)	DPK480
DPK347 Double Fusing (347V)	DPK347
X5RPP - Round Pole Adapter for 5" Poles[12]	3796662LR
IL - Integral Louver HSS	604812
Universal Mounting Bracket (UMB)[12]	694616OLR
Adjustable Slip Fitter (ASF)[12]	698138OLR
Pole Quick Mount Bracket - Square Pole[12]	687373OLR
Pole Quick Mount Bracket - 4-5" Round Pole[12]	689892OLR
15° Tilt Pole Quick Mount Bracket - Square Pole[12]	688003OLR
15° Tilt Pole Quick Mount Bracket - 4-5" Round Pole[12]	689905OLR
BKS 10BO WM * CLR Wall Mount Bracket[12]	3821202LR

FOOTNOTES:
1 - Not available on "Type V" distribution.
2 - Consult Factory for availability.
3 - Only available in 9L and 12L Lumen Packages
4 - Not available in HV.
5 - Consult Factory for Site Layout
6 - IMS is field adjustable, via a hand held Remote Configurator Tool, which must be ordered separately. See Accessory Ordering Information.
7 - Control device must be ordered separately. 7 pin standard. See Accessory Ordering Information.
8 - Accessories are shipped seperately and field installed.
9 - Factory installed CR7P option required. See Options.
10 - Only available with ALSC * Controls
11 - "CLR" denotes finish. See Finish options.
12 - Only available in 5700K 90CRI for lumen packages 24L-42L.

Accessories/Options

Integral Louver (IL)

Accessory Integral Louver available for improved back-light control without sacrificing street side performance. LSI's Integral Louver (IL) option delivers backlight control that significantly reduces light spill behind the pole for applications with pole locations close to adjacent properties. The integrated louvers' design maximizes forward-reflected light while reducing glare, maintaining the optical distribution selected, and most importantly, eliminating light trespass. The Integral louver rotates with the optical distribution.

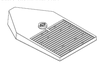
Luminaire Shown with Integral Louver (IL)



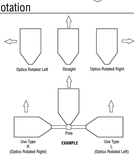
7 Pin Photoelectric Control

7-pin ANSI C136.41-2013 control receptacle option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).

Fixture Shown with CR7P



Optics Rotation



Slice Medium - SLM
Outdoor LED Area Light

Stand-alone Controls: Occupancy Sensor (IMS)

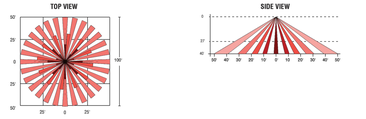
The integral passive infrared motion sensor activates switching of luminaire light levels. Standard Factory settings: High level light is activated and increased to full bright upon detection of motion. Lowlight level (10% maximum drive current) is activated when target zone is absent of motion activity for ~5 minutes. See coverage diagram for detection cone.

The Remote Configurator Tool allows for easy and safe programming of each luminaire from ground level.
See the Remote Configurator User Guide for programming instructions.

When ordering the Stand-alone Occupancy Sensor on the fixture, you must include IMS (see ordering guide for mounting height options) as the controls option in the fixture nomenclature.

To order as a motion sensor with the AirLink Wireless Control System, see ordering guide under "Wireless Controls System" and select the ALSCS controls option with the desired mounting height.

IMS Coverage Diagrams



Remote Configurator Tool



Luminaire Shown with IMS



Slice Medium - SLM
Outdoor LED Area Light

AirLink™ enabled by Synapse®

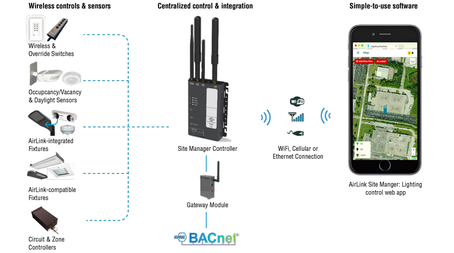
The AirLink enabled by Synapse Wireless Lighting Control System is the perfect solution for commercial, industrial and municipal applications, such as: auto dealerships, parking lots, garages, shopping complexes and warehouses.

AirLink utilizes robust wireless communication via 2.4 GHz Self-Healing Mesh Network which not only increases reliability and accuracy of system, but also eliminates single point of failure.

The flexibility of the system make it perfect for new construction and retrofit projects. The user-friendly AirLink web application is accessible through any device with an internet connection and allows for complete customization of the system's features.

Some capabilities of the system include: occupancy/vacancy sensing, daylight harvesting, scheduling, high-end trim, dimming, zone control, BMS integration and energy monitoring.

The AirLink System



Contact LSI Controls

Sales
controls.sales@lsi-industries.com

Support
controls.support@lsi-industries.com
1 (800) 436-7800 (support, option 8)

More information
For more information on AirLink, visit our website at **www.lsi-airlink.com**

Slice Medium - SLM
Outdoor LED Area Light

Catalog # :	Project :
Prepared By :	Date :



The Slice's sleek design makes it perfectly-suited for Commercial & Industrial applications, while its cost-effective die-cast aluminum housing makes its acquisition cost very competitive. The Slice offers high performance silicone optics, die cast aluminum housing, 42,000+ lumens and is available with integral Airlink Synapse controls.

Features & Specifications

Optical System
- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in IES Types 2, 3, SW, FT and FTA.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, 3000K, and 2700K color temperatures per ANSI C78.377. Optional 5700K CCT available in 90CRI only.
- Minimum CRI of 70. Optional 80 and 90 CRI available, consult factory for lead time.
- Integral Louver (IL) option available for improved back-light control without sacrificing street side performance. See page 5 for more details.

Electrical
- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours (See Lumen Maintenance on Page 3)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 42L lumen package rated to +40°C.
- Power factor: > 90
- Input power stays constant over life.
- Field replaceable surge protection device meets a minimum Category C Low operation (per ANSI/I

PHOTOMETRIC PLAN
QT 4448 ADDITION SUBDIVISION
LOT 1

Catalog #: _____ Project: _____

Prepared By: _____ Date: _____ Type: _____

Mirada Large (MRL)
Outdoor LED Area Light

IP66



OVERVIEW	
Lumen Package	40,000 - 78,000
Wattage Range	286 - 648
Efficacy Range (LPW)	115 - 154
Weight lbs(kg)	60 (27.2)

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing, optical frame, and driver access cover.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 68 lbs in carton.

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in IES Types 2, 3, 5W, FT, FTA and AM.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377.
- Minimum CRI of 70.
- Integral louver (IL) and house-side shield (IH) options available for improved backlight control without sacrificing street side performance. See page 5 for more details.

Electrical

- High-performance programmable driver features over-voltage, under-voltage, short-circuit and over temperature protection. Custom lumen and wattage packages available.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L90 Calculated Life: >100k Hours (See Lumen Maintenance on Page 4)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 65L and 78L lumen packages rated to +40°C.
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.

Controls

- Optional integral passive infrared Bluetooth™ motion and photocell sensor (see page 5 for more details). Fixtures operate independently and can be commissioned via iOS or Android configuration app.
- LSI's AirLink™ wireless control system options reduce energy and maintenance costs while optimizing light quality 24/7. (see page 8 for more details).

Installation

- Designed to mount to square or round poles.
- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment for installing/servicing.
- Included terminal block accepts up to 12 ga. wire.
- Utilizes both B3 and B5 drill patterns for easy fastening of LSI products. (See drawing on page 8)

Warranty

- L5 LSI Fixtures carry a 5-year warranty.

Listings

- Listed to UL 1598 and UL 8750.
- State of California Title 24 Compliant; with IMSBT, ALSC, or ALSCH Options.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
- Meets Buy American Act requirements.
- IDA compliant; with 3000K color temperature selection.
- Suitable for wet locations.
- IP66 rated Luminaire per IEC 60598.
- 3G rated for ANSI C136.31 high vibration applications are qualified.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Specifications and dimensions subject to change without notice.

Type: _____

Mirada Large Outdoor LED Area Light

ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: **MRL LED 40L SIL FTA L UNV DIM 50 70CRI ALSCS04 BRZ IL**

Prefix	Lens	Lumen Package	Lens	Distribution	Orientation[1]	Voltage
MRL - Mirada Large	**LED**	**40L** - 40,000 lms **50L** - 50,000 lms **65L** - 65,000 lms **78L** - 78,000 lms **Custom Lumen Packages[2]**	**SIL** - Silicone	**2** - Type 2 **3** - Type 3 **5W** - Type 5 Wide **FT** - Forward Throw **FTA** - Forward Throw Automotive **AM** - Automotive Merchandise	**(blank)** - Standard **L** - Optics rotated left 90° **R** - Optics rotated right 90°	**UNV** - Universal Voltage (120-277V) **HV** - High Voltage (347 - 480V)

Driver	Color Temperature	Color Rendering	Controls	Finish	Options
DIM - 0-10v Dimming (10-100%)	**50** - 5,000 CCT **40** - 4,000 CCT **30** - 3,000 CCT	**70CRI** - 70 CRI	**(Blank)** - None **Wireless Controls System** **ALSC** - AirLink Synapse Control System **ALSCH** - AirLink Synapse Control System Host/Satellite[3] **ALSCH02** - AirLink Synapse Control System Host / Satellite with 12-20' Motion Sensor[4] **ALSCH04** - AirLink Synapse Control System Host / Satellite with 20-40' Motion Sensor[4] **ALSCH04** - AirLink Synapse Control System Host / Satellite with 20-40' Motion Sensor[4] **ALBC01** - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24'mounting height)[4] **ALBC02** - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' mounting height)[4] **Stand-Alone Controls** **EXT** - 0-10v Dimming leads extended to housing exterior **CR7P** - 7 Pin Control Receptacle ANSI C136.41* **IMSBT1** - Integral Bluetooth™ Motion and Photocell Sensor (8-24' MH)* **IMSBT2** - Integral Bluetooth™ Motion and Photocell Sensor (25-40' MH)* **Button Type Photocells** **PC120** - 120V **PC208-277** - 208 -277V **PC347** - 347V	**BLK** - Black **BRZ** - Dark Bronze **GMG** - Gun Metal Gray **GPT** - Graphite **MSV** - Metallic Silver **PLP** - Platinum Plus **SVG** - Satin Verde Green **WHT** - White	**(Blank)** - None **IH** - Integral Houseside Shield* **IL** - Integral Louver (Sharp Spill Light Cutoff)*

Accessory Ordering Information[7]

Controls Accessories

Description	Order Number
Twist Lock Photocell (120V) for use with CR7P*	122514
Twist Lock Photocell (208-277) for use with CR7P*	122515
Twist Lock Photocell (347V) for use with CR7P*	122516
Twist Lock Photocell (480V) for use with CR7P*	122518
AirLink 5 Pin Twist Lock Controller*	661409
AirLink 5 Pin Twist Lock Controller*	661410
Pole-Mounted Occupancy Sensor (24V)**	660284OLR
Shorting Cap for use with CR7P*	140928

Mounting Accessories[8]

Description	Order Number
Universal Mounting Bracket	684816OLR
Adjustable Slip Fitter (2" - 2 3/8" Tenon)	688138OLR
Quick Mount Pole Bracket (Square Pole)	687372OLR
Quick Mount Pole Bracket (4-5" Round Pole)	689905OLR
15 Tilt Quick Mount Pole Bracket (Square Pole)	688003OLR
15 Tilt Quick Mount Pole Bracket (4-5" Round Pole)	689905OLR
Wall Mount Bracket	382132OLR
Wood Pole Bracket (6" Minimum Pole Diameter)	751319OLR

Fusing Accessories[11]

Description	Order Number
Single Fusing (120V)	FK120
Single Fusing (120V)	FK277
Double Fusing (480V)	DFK480
Double Fusing (347V)	DFK347

Shielding & Miscellaneous Accessories

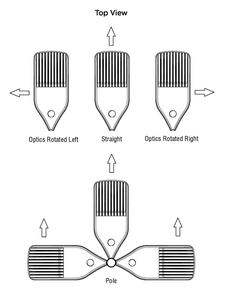
Description	Order Number
Integral LouverShield	743416
Internal Housside Shield	686485
10' Linear Bird Spike Kit (4' Recommended per Luminaire)	736795

FOOTNOTES:
1. Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
2. Not available with SW distribution
3. Not available in SW Lens Layout
4. Not Available in HV
5. IMSBT is field configurable via the LSI app that can be downloaded from your smartphone's native app store. Consult Factory for 347-480V.
6. Control device or shorting cap must be ordered separately. See Accessory Ordering Information.
7. Accessories are shipped separately and field installed.
8. Fixture installed CR7P option required. See Options.
9. "XLSX" denotes finish. See Finish options.
10. Only available with ALSC/ALSCH control options
11. Fusing must be located in hand hole of pole.

Type: _____

Mirada Large Outdoor LED Area Light

OPTICS ROTATION

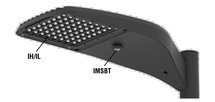


ACCESSORIES/OPTIONS

Integral Louver (IL) and House-Side Shield (IH)

Accessory louver and shield available for improved backlight control without sacrificing street side performance. LSI's Integral Louver (L) and Integral House-Side Shield (IH) options deliver backlight control that significantly reduces spill light behind the poles for applications with pole locations close to adjacent properties. The design maximizes forward reflected light while reducing glare, maintaining the optical distribution selected, and most importantly eliminating light trespass. Both options rotate with the optical distribution.

Luminaire Shown with IMSBT & IL/IH Options



7 Pin Photoelectric Control

7-pin ANSI C136.41-2013 control receptacle option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).

Luminaire Shown with CR7P



Type: _____

Mirada Large Outdoor LED Area Light

PERFORMANCE

Back to Quick Links

Delivered Lumens*

Lumen Package	Distribution	CRI	3000K CCT Delivered Lumens	3000K CCT Efficacy	3000K CCT BUG Rating	4000K CCT Delivered Lumens	4000K CCT Efficacy	4000K CCT BUG Rating	5000K CCT Delivered Lumens	5000K CCT Efficacy	5000K CCT BUG Rating	Wattage
40L	2	70	39779	139	B5-U0-G4	41255	144	B5-U0-G4	42864	150	B5-U0-G4	286
	3		40747	142	B5-U0-G4	42269	148	B4-U0-G4	43917	154	B4-U0-G4	
	SW		40392	141	B5-U0-G4	41901	147	B5-U0-G4	43535	152	B5-U0-G4	
	FT		40342	141	B4-U0-G4	41848	146	B4-U0-G5	43480	152	B4-U0-G5	
	FTA		40673	142	B4-U0-G4	42192	148	B4-U0-G4	43838	153	B4-U0-G4	
	AM		40823	143	B4-U0-G3	42347	148	B4-U0-G3	43998	154	B4-U0-G3	
50L	2	70	49372	132	B5-U0-G4	51216	137	B5-U0-G4	52213	142	B5-U0-G4	375
	3		50586	135	B4-U0-G5	52475	140	B4-U0-G5	54521	145	B4-U0-G5	
	SW		50145	134	B5-U0-G4	52018	139	B5-U0-G4	54047	144	B5-U0-G4	
	FT		50082	134	B4-U0-G5	51952	139	B4-U0-G5	53978	144	B4-U0-G5	
	FTA		50493	135	B5-U0-G4	52379	140	B5-U0-G4	54422	145	B5-U0-G4	
	AM		50680	135	B4-U0-G3	52572	140	B4-U0-G3	54622	146	B4-U0-G3	
65L	2	70	63328	122	B5-U0-G4	65692	127	B5-U0-G5	68255	132	B5-U0-G5	518
	3		64884	125	B5-U0-G5	67307	130	B5-U0-G5	69932	135	B5-U0-G5	
	SW		64320	124	B5-U0-G5	66722	129	B5-U0-G5	69324	134	B5-U0-G5	
	FT		64239	124	B5-U0-G5	66638	129	B5-U0-G5	69237	134	B5-U0-G5	
	FTA		64766	125	B5-U0-G5	67185	130	B5-U0-G5	69805	135	B5-U0-G5	
	AM		65005	125	B4-U0-G3	67432	130	B4-U0-G3	70062	135	B4-U0-G3	
78L	2	70	74667	115	B5-U0-G5	77456	120	B5-U0-G5	80476	124	B5-U0-G5	648
	3		74667	115	B5-U0-G5	77455	120	B5-U0-G5	80476	124	B5-U0-G5	
	SW		74018	114	B5-U0-G5	76782	118	B5-U0-G5	79777	123	B5-U0-G5	
	FT		73925	114	B4-U0-G5	76685	118	B5-U0-G5	79676	123	B5-U0-G5	
	FTA		74532	115	B5-U0-G5	77315	119	B5-U0-G5	80330	124	B5-U0-G5	
	AM		74805	115	B5-U0-G3	77599	120	B5-U0-G3	80625	124	B5-U0-G3	

*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA (AMPS)*

Lumens	120V	208V	240V	277V	347V	480V
40L	2.38	1.38	1.19	1.03	0.82	0.60
50L	3.13	1.80	1.56	1.35	1.08	0.78
65L	4.32	2.49	2.16	1.87	1.49	1.08
78L	5.40	3.12	2.70	2.34	1.87	1.35

*Electrical data at 25°C (77°F). Actual wattage may differ by +/-10%

RECOMMENDED LUMEN MAINTENANCE*

Ambient	Initial[1]	25hr[1]	50hr[1]	75hr[1]	100hr[1]
0 C - 40C	100%	100%	97%	94%	92%

FOOTNOTES:
1. Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.
2. In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
3. In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.

Type: _____

Mirada Large Outdoor LED Area Light

PHOTOMETRICS

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Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See https://www.lsicorp.com/product/mirada-large/ for detailed photometric data.

MRL-LED-65L-SIL-2-40-70CRI

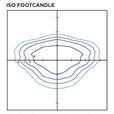
LUMINAIRE DATA

Type 2 Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	65,003
Watts	518
Efficacy	131
IES Type	Type II - Short
BUG Rating	B5-U0-G5

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	10825	16%
Medium (30-60)°	41205	62%
High (60-80)°	13343	20%
Very High (80-90)°	598	1%
Uplight (90-180)°	0	0%
Total Flux	65883	100%

ISO FOOTCANDLE



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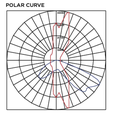


30' Mounting Height/ 30' Grid Spacing
■5 FC ■2 FC ■1 FC ■0.5 FC

MRL-LED-65L-SIL-3-40-70CRI

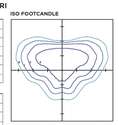
LUMINAIRE DATA

Type 3 Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	67,307
Watts	518
Efficacy	130
IES Type	Type III - Short
BUG Rating	B5-U0-G5

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	6983	10%
Medium (30-60)°	37817	56%
High (60-80)°	21783	32%
Very High (80-90)°	737	1%
Uplight (90-180)°	0	0%
Total Flux	67307	100%

ISO FOOTCANDLE



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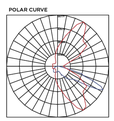


30' Mounting Height/ 30' Grid Spacing
■5 FC ■2 FC ■1 FC ■0.5 FC

MRL-LED-65L-SIL-FT-40-70CRI

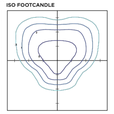
LUMINAIRE DATA

Type FT Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	66,838
Watts	518
Efficacy	129
IES Type	Type IV - Short
BUG Rating	B5-U0-G5

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	8542	13%
Medium (30-60)°	33055	50%
High (60-80)°	23973	36%
Very High (80-90)°	1069	2%
Uplight (90-180)°	0	0%
Total Flux	66638	100%

ISO FOOTCANDLE



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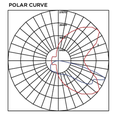


30' Mounting Height/ 30' Grid Spacing
■5 FC ■2 FC ■1 FC ■0.5 FC

Type: _____

Mirada Large Outdoor LED Area Light

PHOTOMETRICS (CONT)

MRL-LED-65L-SIL-5W-40-70CRI

LUMINAIRE DATA

Type 5W Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	66,722
Watts	519
Efficacy	129
IES Type	Type V5 - Short
BUG Rating	B5-U0-G5

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	6579	10%
Medium (30-60)°	33102	50%
High (60-80)°	26808	40%
Very High (80-90)°	433	1%
Uplight (90-180)°	0	0%
Total Flux	66722	100%

ISO FOOTCANDLE



POLAR CURVE



30' Mounting Height/ 30' Grid Spacing
■5 FC ■2 FC ■1 FC ■0.5 FC

MRL-LED-65L-SIL-FTA-40-70CRI

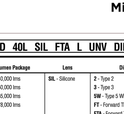
LUMINAIRE DATA

Type FTA Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	67,185
Watts	519
Efficacy	130
IES Type	Type I - Very Short
BUG Rating	B5-U0-G5

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	14876	22%
Medium (30-60)°	39340	59%
High (60-80)°	12095	18%
Very High (80-90)°	874	1%
Uplight (90-180)°	0	0%
Total Flux	67185	100%

ISO FOOTCANDLE



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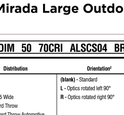


30' Mounting Height/ 30' Grid Spacing
■5 FC ■2 FC ■1 FC ■0.5 FC

MRL-LED-65L-SIL-AM-40-70CRI

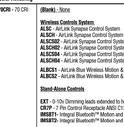
LUMINAIRE DATA

Type AM Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	67,432
Watts	518
Efficacy	130
IES Type	Type III - Very Short
BUG Rating	B5-U0-G3

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	13837	9%
Medium (30-60)°	64854	43%
High (60-80)°	61612	48%
Very High (80-90)°	1779	1%
Uplight (90-180)°	0	0%
Total Flux	67432	100%

ISO FOOTCANDLE



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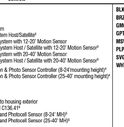

30' Mounting Height/ 30' Grid Spacing
■5 FC ■2 FC ■1 FC ■0.5 FC

Type: _____

Mirada Large Outdoor LED Area Light

PRODUCT DIMENSIONS

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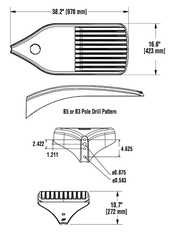


LUMINAIRE EPA CHART - MRL

Tilt Degree	0°	10°	45°	Tilt Degree	0°	10°	45°
Single	0.8	2.2	2.9	TBD°	2.0	3.8	4.5
D180°	1.6	2.2	2.9	TW120°	2.0	5.0	6.0
D90°	1.2	3.0	3.7	Q90°	2.0	3.8	4.5

CONTROLS

AirLink Wireless Lighting Controller

The AirLink integrated controller is a California Title 24 compliant lighting controller that provides real-time light monitoring and control with utility-grade power monitoring. It includes a 24V sensor input and power supply to connect a sensor into the outdoor AirLink wireless lighting system. The wireless integrated controller is compatible with this fixture.

Click the link below to learn more details about AirLink.

https://www.lsicorp.com/documents/datasheets/airlink-outdoor-specsheet.pdf

Integral Bluetooth™ Motion and Photocell Sensor (IMSBT)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is rated for cold and wet locations (-30° C to 70° C). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an IOS or Android App capable of storing and transmitting sensor profiles.

Click the link below to learn more details about IMSBT.

https://www.lsicorp.com/documents/datasheets/imsbt-specsheet.pdf

AirLink Blue

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an IOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires.

Click the link below to learn more details about AirLink Blue.

https://www.lsi-airlink.com/airlink-blue/

Type: _____

Mirada Large Outdoor LED Area Light

POLES & BRACKETS

LSI offers a full line of poles and mounting accessories to complete your lighting assembly. Aluminum and steel in both square and round shafts. In addition, LSI offers round tapered, fluted and hinge based poles. Designed and engineered for durability and protected with our oven baked DuraGrip Protection System. Also available with our DuraGrip+ Protection system for unmatched corrosion resistance and an extended warranty. American made in our Ohio facility with industry leading lead times.

Click the link below to learn more details about poles & brackets.

https://www.lsicorp.com/products/poles-and-brackets-area-street.aspx



BKA UMB CLR
The 30 rated UMB allows for seamless integration of LSI luminaires onto existing/ retrofit or new construction poles. The UMB was designed for square or round (tapered or straight) poles with two mounting hole spacings between 3.5" - 5".



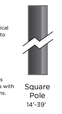
BKS PQMS CLR
The Pole Quick Mount Bracket allows for preset 15° uplift of LSI luminaires for greater throw of light and increased vertical illumination as well as fast installation onto poles with LSI's 3" or 5" bolt pattern.



BKA ASF CLR
The adjustable Slip Fitter is a 3G rated rugged die cast aluminum adapter to mount LSI luminaires onto a onto a 2" iron pipe . 2 3/8 OD tenon. The Adjustable Slip Fitter can be rotated 180° allowing for tilting LSI luminaires up to 45° and 90° when using a vertical tenon.



BKS PQMV CLR
The Pole Quick Mount Bracket allows for lightning fast installation of LSI luminaires onto existing and new construction poles with LSI's B3 or B5 standard pole bolt patterns.



PRELIMINARY PLAN
QT 4448 ADDITION SUBDIVISION LOT 1
QuikTrip No. 4448
EOLA ROAD (IL 14) & DIEHL ROAD
AURORA, DUPAGE COUNTY, IL 60502

PROJECT NO.: 89-4423

CRUX
TECHNOLOGY + SECURITY SOLUTIONS
800.685.6440
www.cruxsolutions.com

Current Land Owner:
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Naperville, IL 60563
Timothy Boos, Manager
tboos@boosrt.com
312-560-2560

Petitioner:
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50 South Main Street, Ste 200
Naperville, IL 60540
Ali Bukhres
abukhres@quiktrip.com
918-284-9456

PROTOTYPE:	P-120
DIVISION:	89
VERSION:	001
DESIGNED BY:	DKH
DRAWN BY:	CSH
REVIEWED BY:	CJC

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 03/21/2025

SHEET TITLE:
LIGHTING CUT SHEETS

SHEET NUMBER:
C162

FILE LOCATION: \\DESKTOP-HMC8GBV\Civil 3D Projects\QT4448 Aurora, IL\84-4448 Photometric.dwg TAB NAME:Cut Sheets 2 USER:Jonathan Smith SAVED:3/21/2025 8:54 AM PLOTTED:3/21/2025 8:57 AM

PHOTOMETRIC PLAN
QT 4448 ADDITION SUBDIVISION
LOT 1

Catalog # : _____ Project : _____ Type : _____

Prepared By : _____ Date : _____

Steel Poles
Square Straight



QUICK LINKS

Ordering Guide | Configurations | Dimensions | EPA

FEATURES & SPECIFICATIONS

Pole Shaft
- Straight poles are 4", 5", or 6" square.
- Pole shaft is electro-welded ASTM-A500 Grade C steel tubing with a minimum yield strength of 50,000 psi.
- On Tenon Mount steel poles, tenon is 2-3/8" O.D. high-strength pipe. Tenon is 4-3/4" in length.

Hand-Hole
- Standard hand-hole location is 12" above pole base.
- Poles 23' and above have a 3" x 6" reinforced hand-hole. Shorter poles have a 2" x 4" non-reinforced hand-hole.

Base
- Pole base is ASTM-A36 hot-rolled steel plate with a minimum yield strength of 36,000 psi.
- Two-piece square base cover is optional.

Anchor Bolts
- Poles are furnished with anchor bolts featuring zinc-plated double nuts and washers. Galvanized anchor bolts are optional.
- Anchor Bolts conform to ASTM F 1554-07a Grade 55 with a minimum yield strength of 55,000 PSI.

Ground Lug
- Ground lug is standard.

Duplex Receptacle
- Weatherproof duplex receptacle is optional.

Ground Fault Circuit Interrupter
- Self-testing Ground fault circuit interrupter is optional.

Finishes
- Every pole is provided with the DuraGrip Plus Protection System is selected, in addition to the DuraGrip Protection System, a non-porous, automotive-grade corrosion coating is applied to the lower portion of the pole interior sealing and further protecting it from corrosion. This option extends the limited warranty to 7 years.

Determining The Luminaire/Pole Combination For Your Application:
- Select luminaire from luminaire ordering information.
- Select bracket configuration if required
- Determine EPA value from luminaire/ bracket EPA chart
- Select Pole Height
- Select MPH to match wind speed in the application area (See windspeed maps).
- Confirm pole EPA equal to or exceeding value of luminaire/bracket EPA.
- Consult factory for special wind load requirements and banner brackets.

Pole Vibration Damper
- A pole vibration damper is recommended in open terrain areas of the country where low steady state winds are common.
- Non-tapered poles and lightly loaded poles are more susceptible to destructive vibration if a damper is not installed.

Listings
- UL Listed
- BAA/TAA Compliant

Steel Poles Square Straight

Type : _____

Have questions? Call us at (800) 436-7800

ORDERING GUIDE

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TYPICAL ORDER EXAMPLE: 4SQ B3 S11G 24 5 PLP DGP

Pole Series	Mounting Method	Material	Height[1]
4SQ – 4" x 4" Square Straight Pole (New Build) **5SQ** – 5" x 5" Square Straight Pole (New Build) **6SQ** – 6" x 6" Square Straight Pole (New Build) **4SQR** – 4" x 4" Square Straight Pole (Retrofit) **5SQR** – 5" x 5" Square Straight Pole (Retrofit) **6SQR** – 6" x 6" Square Straight Pole (Retrofit)	**Bolt-On Mount[1]** – See pole selection guide for patterns and future matches **B5** – 5" Traditional Drilling Pattern **B3** – 3" Reduced Drilling Pattern **B2** – 2" Reduced Drilling Pattern **T** – Tenon Mount - See pole selection guide for tenon and fixture/bracket matches **T-** No Mounting Holes[1]	**S11G** – 11 Ga. Steel (4SQ/4SQR Only) (5SQ/5SQR Only) **S07G** – 07 Ga. Steel	**8'** **10'** **12'** **13'** **14'** **15'** **16'** **17'** **17'-5"** **18'** **20'** **22'** **22'-6"** **23'** **24'** **25'** **26'** **27'** **28'** **30'** **32'** **35'** **39'**

Mounting Configuration	Pole Finish	Options
S – Single/Parallel **D180** – Double **D90** – Double **DM90** – Double **T90** – Triple **TN120** – Triple **Q90** – Quad **QM90** – Quad **N** – Tenon Mount (Standard Tenon size is 2-3/8" O.D.)[2] **(Blank)** - Use with T for Mounting Method	**BRZ** – Bronze **BLK** – Black **PLP** – Platinum Plus **WHI** – White **SMG** – Satin Verde Green **GPT** – Graphite **MSV** – Metallic Silver **BZA** – Alternate Bronze	**GA** – Galvanized Anchor Bolts **SF** – Single Flood[3] **DF** – Double Flood[3] **DGP** – DuraGrip® Plus **LAB** – Less Anchor Bolts **CDOT** – Conduit Raceway[4]

Need more information? Click here for our glossary

Have additional questions? Call us at (800) 436-7800

ACCESSORY ORDERING INFORMATION

Part Number	Description
1225590LR	4DC – 4" Square Base Cover
1225631LR	5BC – 5" Square Base Cover
1225630LR	6BC – 6" Square Base Cover
1324800LR	5BC – 5" Square Universal Base Cover
1312630LR	6BC – 6" Square Universal Base Cover
1225660LR	ER2 – Weatherproof Duplex Receptacle
1225671LR	GFI – Ground Fault Circuit Interrupter
132356	M95 - mounting Hole Plugs for use with 5" traditional drill pattern (5 set of 5 plugs)
601326	M95 - mounting Hole Plugs for use with 3" reduced drill pattern (3 set of 5 plugs)
725841	M92 - Mounting Hole Plugs for use with 2" reduced drill pattern (3 sets of 5 plugs)
172559	Vibration Dampner – 4" Square Pole (bolt-on mount only)
172538	Vibration Dampner – 5" Square Pole (bolt-on mount only)
170361	Vibration Dampner – 6" Square Pole (bolt-on mount only)

ANCHOR BOLT KIT ORDERING INFORMATION

Part Number	Description
AB KIT 122564	4SQ S11G/S07G Anchor Bolts (Steel Plated)
AB KIT 122609	4SQ S11G/S07G Anchor Bolts (Galvanized)
AB KIT 1229850	5SQ S11G Anchor Bolts (Steel Plated)
AB KIT 122630	5SQ S11G Anchor Bolts (Galvanized)
AB KIT 122586	5SQ S07G Anchor Bolts (Steel Plated)
AB KIT 122632	5SQ S07G Anchor Bolts (Galvanized)
AB KIT 122612	6SQ S07G Anchor Bolts (Galvanized)

1 - See Area Light Brackets - 3" Reduced Drill Pattern and Area Light Brackets - 5" Traditional Drill Pattern Spec Sheets.
2 - Pole heights will have +/-12" tolerance.
3 - See Flood Lighting Brackets section for choice of FBD brackets.
4 - CA selection must indicate required height and side of pole mounting location. Mounting template required at time of order.

Steel Poles Square Straight

Type : _____

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DRILLING LOCATIONS

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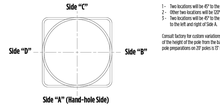
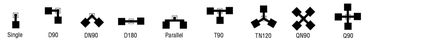
Sides	A	B	C	D
Hand-hole	X			
Single	X			
D180		X		X
D90	X			X
DM90[1]				
T90	X	X		X
TN120[2]				
Q90	X	X	X	X
QM90[1]				
Single FBD	X			
Double FBD		X		X



1 - Two locations will be 45° to the left and right of Side A.
2 - Other two locations will be 120° to the left and right of Side A.
3 - Two locations will be 45° to the left and right of Side A and two locations will be 135° to the left and right of Side A.

Consult factory for custom variations. Standard SF and DF pole preparations are located 5A of the height of the pole from the base, except on 39' poles. Maximum height for SF and DF pole preparations on 39' poles is 15' from the base.

FIXTURE CONFIGURATIONS



Steel Poles Square Straight

Type : _____

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BOLT CIRCLE

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STANDARD BASEPLATE

	4" (102mm) square 10-1/8" (257mm) sq.	5" (127mm) square 10-1/8" (257mm) sq.	5" (127mm) square 10-1/8" (257mm) sq.	6" (152mm) square 12" (305mm) sq.
	11" (279mm) Dia. Bolt Circle	11" (279mm) Dia. Bolt Circle	11" (279mm) Dia. Bolt Circle	12" (305mm) Dia. Bolt Circle
Bolt Circle Designator	B	C	D	E
Bolt Circle	Slotted 8"-11" (203mm-279mm)	Slotted 9"-11" (229mm-279mm)	Slotted 9"-11" (229mm-279mm)	Slotted 11" (279mm)
Anchor Bolt Size	3/4" x 24" (19mm x 609mm)	3/4" x 24" (19mm x 609mm)	3"x36" (25mm x 762mm)	1"x36" (25mm x 762mm)
Anchor Bolt Projection	3-1/4" (83mm)	3-1/4" (83mm)	4" (102mm)	4" (102mm)
Base Plate Opening for Wireway Entry	5-5/8" (143mm)	4-3/4" (121mm)	4-3/8" (111mm)	5-1/8" (143mm)
Base Plate Dimensions	10-1/8" sq. x 3/4" thk. (257mm x 19mm)	10-1/8" sq. x 3/4" thk. (257mm x 19mm)	10-1/8" sq. x 1" thk. (257mm x 25mm)	12" sq. x 1-1/2" thk. (305mm x 38mm)
Pole Gauge	11	11	7	7

Note: Base plate illustrations may change without notice. Do not use for setting anchor bolts. Consult factory for the appropriate anchor bolt template.

UNIVERSAL BASEPLATE

	4" (102mm) square 10.5" (267mm) sq.	5" (127mm) square 11.25" (286mm) sq.	5" (127mm) square 11.75" (298mm) sq.	6" (152mm) square 12-1/2" (318mm) sq.
	4SQ	5SQ	5SQ	14" (356mm) Dia. Bolt Circle
Bolt Circle Designator	I	J	K	H
Bolt Circle	Slotted 11"-13"	Slotted 11"-13"	Slotted 11"-13"	Slotted 11"-14" (279mm-356mm)
Anchor Bolt Size	3/4" x 24" (19mm x 609 mm)	3/4x24" (19mm x 609 mm)	3"x36" (25mm x 762mm)	1"x36" (25mm x 762mm)
Anchor Bolt Projection	3-1/4" (83 mm)	3-1/4" (83 mm)	4" (102 mm)	4" (102mm)
Base Plate Opening for Wireway Entry	5-5/8" (143mm)	4-3/4" (121mm)	5-1/8" (130 mm)	5-5/8" (143mm)
Base Plate Dimensions	10-1/2" sq. x 3/4" thk. (267 mm x 19 mm)	11-1/8 sq. x 3/4" thk. (283 mm x 19 mm)	11-3/4" sq. x 1" thk. (298 mm x 25 mm)	13-1/2" sq. x 1-1/8" thk. (338mm x 29mm)
Pole Gauge	11	11	7	7

Note: Base plate illustrations may change without notice. Do not use for setting anchor bolts. Consult factory for the appropriate anchor bolt template.

1 - Full Galvanized option is 1" x 30" straight headed anchor bolt. Contact factory for questions

Steel Poles Square Straight

Type : _____

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PRODUCT DIMENSIONS

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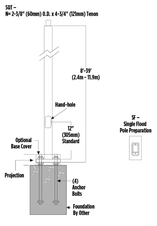

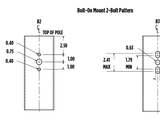

SHIPPING WEIGHTS

4"(102mm) sq, 11 Ga. & approximately	7.50 lbs./ft.
4"(102mm) sq, 07 Ga. & approximately	10.00 lbs./ft.
5"(127mm) sq, 11 Ga. & approximately	9.00 lbs./ft.
5"(127mm) sq, 07 Ga. & approximately	12.50 lbs./ft.
6"(152mm) sq, 07 Ga. & approximately	15.40 lbs./ft.
Anchor Bolts (3/4" x 24")(19mm x 609mm)	15 lbs. (7kg)/set
Anchor Bolts (1" x 30")(25mm x 762mm)	30 lbs. (14kg)/set

Steel Poles Square Straight

Type : _____

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WIND SPEED

EPA Information
All S11Gpoles/ poles are guaranteed to meet the EPA requirements listed. LSI Industries is not responsible if a pole order has a lower EPA rating than the indicated wind loading zone where the pole will be located.
CAUTION: This guarantee does not apply if the pole/bracket/fixture combinations used to support any other items such as flags, pennants, or signs, which would add stress to the pole. LSI Industries cannot accept responsibility for harm or damage caused in these situations.

NOTE: Pole calculations include a 1.3 gust factor over steady wind velocity. Example: poles designed to withstand 80 MPH steady wind will withstand gusts to 104 MPH. EPA are for locations 330 miles away from hurricane ocean lines. Consult LSI for other areas. Note: Hurricane ocean lines are the Atlantic and Gulf of Mexico coastal areas. For applications in Florida or Canada, consult factory.

POLE[1]	Mtg. Height Length (ft)	Wall Thick (ga)	BOLT CIRCLE			EPA						
			Designator	Dia. (in)	Anchor Bolt Dia (in)	110 MPH	115 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
4" x 11-ga x 12'	12	11	B	8" - 11"	0.75	13.9	12.5	11.3	9.2	7.6	6.3	5.2	4.3	3.6
4" x 11-ga x 14'	14	11	B	8" - 11"	0.75	10.7	9.5	8.5	6.8	5.4	4.4	3.5	2.7	2.1
4" x 11-ga x 16'	16	11	B	8" - 11"	0.75	8.2	7.2	6.4	4.9	3.8	2.9	2.1	1.5	1.0
4" x 11-ga x 18'	18	11	B	8" - 11"	0.75	6.5	5.4	4.7	3.4	2.4	1.6	1.0	0.4	n/a
4" x 11-ga x 20'	20	11	B	8" - 11"	0.75	4.6	3.9	3.2	2.1	1.2	0.6	n/a	n/a	n/a
4" x 11-ga x 22'	22	11	B	8" - 11"	0.75	7.6	6.6	5.7	4.2	3.0	2.0	1.2	0.5	n/a
4" x 11-ga x 24'	24	11	B	8" - 11"	0.75	6.0	5.1	4.3	2.9	1.8	0.9	n/a	n/a	n/a
4" x 11-ga x 26'	26	11	B	8" - 11"	0.75	4.6	3.7	3.0	1.7	0.7	n/a	n/a	n/a	n/a
4" x 7-ga x 14'	14	7	B	8" - 11"	0.75	18.3	16.4	14.9	12.2	10.2	8.5	7.1	5.9	5.0
4" x 7-ga x 16'	16	7	B	8" - 11"	0.75	14.7	13.2	11.8	9.6	7.8	6.3	5.2	4.2	3.4
4" x 7-ga x 18'	18	7	B	8" - 11"	0.75	11.9	10.5	9.3	7.4	5.9	4.6	3.6	2.8	2.1
4" x 7-ga x 20'	20	7	B	8" - 11"	0.75	9.6	8.4	7.4	5.7	4.3	3.2	2.3	1.6	0.9
4" x 7-ga x 22'	22	7	B	8" - 11"	0.75	7.7	6.6	5.7	4.2	3.0	2.0	1.2	0.5	n/a
4" x 7-ga x 24'	24	7	B	8" - 11"	0.75	6.0	5.1	4.3	2.9	1.8	0.9	n/a	n/a	n/a
4" x 7-ga x 26'	26	7	B	8" - 11"	0.75	4.6	3.7	3.0	1.7	0.7	n/a	n/a	n/a	n/a
4" x 7-ga x 28'[2]	28	7	B	8" - 11"	0.75	3.5	2.5	1.8	0.7	n/a	n/a	n/a	n/a	n/a
4" x 7-ga x 30'[2]	30	7	B	8" - 11"	0.75	2.2	1.4	0.8	n/a	n/a	n/a	n/a	n/a	n/a
5" x 11-ga x 14'	14	11	C	9" - 11"	0.75	17.4	15.7	14.1	11.5	9.3	7.7	6.3	5.2	4.2
5" x 11-ga x 16'	16	11	C	9" - 11"	0.75	13.8	12.3	10.9	8.7	6.9	5.5	4.3	3.3	2.5
5" x 11-ga x 18'	18	11	C	9" - 11"	0.75	10.8	9.6	8.4	6.5	4.9	3.7	2.6	1.8	1.1
5" x 11-ga x 20'	20	11	C	9" - 11"	0.75	8.5	7.5	6.5	4.6	3.2	2.1	1.2	0.5	n/a
5" x 11-ga x 22'	22	11	C	9" - 11"	0.75	10.9	9.5	8.3	6.2	4.5	3.2	2.1	1.2	0.5
5" x 11-ga x 24'	24	11	C	9" - 11"	0.75	8.8	7.5	6.4	4.5	3.0	1.8	0.8	n/a	n/a
5" x 11-ga x 26'	26	11	C	9" - 11"	0.75	6.8	5.7	4.6	3.0	1.6	0.6	n/a	n/a	n/a
5" x 11-ga x 28'	28	11	C	9" - 11"	0.75	5.2	4.1	3.2	1.6	0.4	n/a	n/a	n/a	n/a
5" x 11-ga x 30'	30	11	C	9" - 11"	0.75	3.6	2.7	1.8	0.4	n/a	n/a	n/a	n/a	n/a
5" x 7-ga x 20'	20	7	D	9" - 11"	1.00	21.6	19.3	17.3	14.0	11.3	9.2	7.4	6.0	4.8
5" x 7-ga x 22'	22	7	D	9" - 11"	1.00	20.7	18.6	16.6	13.3	10.7	8.5	6.8	5.4	4.2
5" x 7-ga x 24'	24	7	D	9" - 11"	1.00	17.7	15.6	13.8	10.8	8.5	6.6	5.0	3.7	2.6
5" x 7-ga x 26'	26	7	D	9" - 11"	1.00	14.9	13	11.4	8.8	6.6	4.9	3.5	2.3	1.3
5" x 7-ga x 28'	28	7	D	9" - 11"	1.00	12.5	10.9	9.4	6.9	4.9	3.4	2.1	1.0	n/a
5" x 7-ga x 30'	30	7	D	9" - 11"	1.00	10.3	8.9	7.5	5.2	3.4	2.0	0.8	n/a	n/a
5" x 7-ga x 35'	35	7	D	9" - 11"	1.00	6.0	4.8	3.6	1.8	n/a	n/a	n/a	n/a	n/a
6" x 7-ga x 20'	20	7	J	12"	1.00	16.6	14.4	12.5	9.4	6.9	4.9	3.4	2.1	1.0
6" x 7-ga x 22'	22	7	J	12"	1.00	15.6	13.4	11.7	8.8	6.5	4.6	3.0	1.8	0.7
6" x 7-ga x 24'	24	7	J	12"	1.00	12.9	10.9	9.3	6.7	4.6	2.8	1.5	n/a	n/a
6" x 7-ga x 26'	26	7	J	12"	1.00	10.4	8.8	7.3	4.8	2.9	1.5	n/a	n/a	n/a
6" x 7-ga x 28'	28	7	J	12"	1.00	8.3	6.8	5.5	3.1	1.3	n/a	n/a	n/a	n/a
6" x 7-ga x 30'	30	7	J	12"	1.00	6.5	5.0	3.7	1.6	n/a	n/a	n/a	n/a	n/a
6" x 7-ga x 35'	35	7	J	12"	1.00	5.5	4.2	2.9	0.9	n/a	n/a	n/a	n/a	n/a
6" x 7-ga x 39'	39	7	J	12"	1.00	2.3	1.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Steel Poles Square Straight

Type : _____

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WIND SPEED

POLE[1]	Mtg. Height Length (ft)	Wall Thick (ga)	BOLT CIRCLE			EPA						
			Designator	Dia. (in)	Anchor Bolt Dia (in)	110 MPH	115 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
5" x 11-ga x 14'	14	11	F	11"	0.75	17.6	15.8	14.2	11.5	9.4	7.7	6.5	5.2	4.3
5" x 11-ga x 16'	14	11	F	13"	0.75	17.6	15.8	14.2	11.5	9.4	7.7	6.5	5.2	4.3
5" x 11-ga x 18'	16	11	F	13"	0.75	13.9	12.2	11.0	8.8	7.0	5.5	4.3	3.4	2.5
5" x 11-ga x 19'	16	11	F	13"	0.75	13.9	12.2	11.0	8.8	7.0	5.5	4.3	3.4	2.5
5" x 11-ga x 18'	18	11	F	11"	0.75	11.0	9.6	8.4	6.5	5.0	3.7	2.7	1.8	1.1
5" x 11-ga x 20'	18	11	F	13"	0.75	11.0	9.6	8.4	6.5	5.0	3.7	2.7	1.8	1.1
5" x 11-ga x 20'	20	11	F	11"	0.75	8.6	7.4	6.4	4.6	3.3	2.2	1.3	0.5	-
5" x 11-ga x 20'	20	11	F	13"	0.75	8.6	7.4	6.4	4.6	3.3	2.2	1.3	0.5	-
5" x 11-ga x 22'	22	11	F	11"	0.75	12.7	11.1	9.6	7.1	5.6	4.3	3.0	2.0	1.1
5" x 11-ga x 22'	22	11	F	13"	0.75	10.1	8.9	7.7	5.7	4.3	2.8	1.8	0.9	-
5" x 11-ga x 22'	22	11	F	11"	0.75	8.6	7.4	6.4	4.6	3.1	2.0	1.1	-	-
5" x 11-ga x 24'	24	11	F	11"	0.75	10.2	8.9	7.6	5.6	4.0	2.6	1.6	0.7	-
5" x 11-ga x 24'	24	11	F	13"	0.75	8.0	6.9	5.8	4.0	2.6	1.5	0.5	-	-
5" x 11-ga x 24'	24	11	F	13"	0.75	6.7	5.5	4.6	3.0	1.7	0.7	-	-	-
5" x 11-ga x 26'	26	11	F	11"	0.75	8.1	6.9	5.8	4.0	2.5	1.3	-	-	-
5" x 11-ga x 26'	26	11	F	13"	0.75	6.2	5.1	4.1	2.6	1.3	-	-	-	-
5" x 11-ga x 26'	26	11	F	13"	0.75	5.0	4.0	3.1	1.6	0.5	-	-	-	-
5" x 11-ga x 28'	28	11	F	11"	0.75	6.5	5.2	4.3	2.5	1.0	-	-	-	-
5" x 11-ga x 28'	28	11	F	13"	0.75	4.6	3.6	2.7	1.2	-	-	-	-	-
5" x 11-ga x 28'	28	11	F	13"	0.75	3.4	2.5	1.7	-	-	-	-	-	-
5" x 11-ga x 30'	30	11	F	11"	0.75	4.7	3.7	2.8	1.2	-	-	-	-	-
5" x 11-ga x 30'	30	11	F	13"	0.75	3.1	2.2	1.4	-	-	-	-	-	-
5" x 11-ga x 30'	30	11	F	13"	0.75	2.0	1.2	0.5	-	-	-	-	-	-
5" x 7-ga x 20'	20	7	G	11"	0.75	19.0	17.0	15.4	12.7	10.4	8.6	7.2	5.9	4.9
5" x 7-ga x 20'	20	7	G	12"	0.75	21.4	19.1	17.1	13.8	11.2	9.1	7.5	5.9	4.7
5" x 7-ga x 20'	20	7	G	13"	0.75	21.4	19.2	17.2	13.9	11.3	9.2	7.4	6.0	4.8
5" x 7-ga x 20'	20	7	G	11"	1	21.7	19.4	17.4	14.0	11.4	9.3	7.5	6.0	4.8
5" x 7-ga x 20'	20	7	G	13"	1	21.7	19.4	17.4	14.0	11.4	9.3	7.5	6.0	4.8
5" x 7-ga x 22'	22	7	G	11"	0.75	16.0	14.3	12.9	10.4	8.4	6.9	5.6	4.4	3.5
5" x 7-ga x 22'	22	7	G	12"	0.75	17.7	15.9	14.2	11.5	9.3	7.6	6.1	4.9	3.9
5" x 7-ga x 22'	22	7	G	13"	0.75	17.9	15.9	14.3	11.5	9.3	7.6	6.1	4.9	3.9
5" x 7-ga x 22'	22	7	G	11"	1	18.0	16.1	14.4	11.6	9.4	7.7	6.2	5.0	4.0
5" x 7-ga x 22'	22	7	G	12"	1	21.4	20.6	18.4	15.0	12.2	9.9	8.0	6.4	5.1
5" x 7-ga x 22'	22	7	G	13"	1	21.3	18.8	17.0	13.7	11.0	8.8	7.0	5.6	4.5
5" x 7-ga x 24'	24	7	G	11"	0.75	13.3	11.6	10.0	7.7	5.7	4.2	2.9	1.9	1.0
5" x 7-ga x 24'	24	7	G	12"	0.75	15.0	13.0	11.4	8.9	6.8	5.1	3.8	2.6	1.7
5" x 7-ga x 24'	24	7	G	13"	0.75	15.0	13.0	11.4	8.9	6.8	5.1	3.8	2.6	1.7
5" x 7-ga x 24'	24	7	G	11"	1	15.1	13.2	11.6	9.0	6.9	5.2	3.9	2.7	1.8
5" x 7-ga x 24'	24	7	G	12"	1	17.8	16.0	14.3	11.5	9.3	7.6	6.1	4.9	3.9
5" x 7-ga x 24'	24	7	G	13"	1	17.9	16.0	14.3	11.5	9.3	7.6	6.1	4.9	3.9
5" x 7-ga x 26'	26	7	G	11"	0.75	11.2	9.7	8.4	6.3	4.8	3.5	2.4	1.5	0.7
5" x 7-ga x 26'	26	7	G	12"	0.75	12.6	10.9	9.5	7.0	5.3	3.9	2.7	1.7	1.0
5" x 7-ga x 26'	26	7	G	13"	0.75	14.0	12.5	10.7	8.3	6.0	4.4	3.1	2.0	1.0
5" x 7-ga x 26'	26	7	G	11"	1	15.0	13.2	11.5	8.8	6.7	4.9	3.5	2.3	1.3

Steel Poles Square Straight

Type : _____

Have questions? Call us at (800) 436-7800

WIND SPEED

POLE[1]	Mtg. Height Length (ft)	Wall Thick (ga)	BOLT CIRCLE			EPA						
			Designator	Dia. (in)	Anchor Bolt Dia (in)	110 MPH	115 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
5" x 7-ga x 28'	26	7	G	12"	1	17.0	14.8	13.0	10.2	7.9	6.0	4.4	3.1	2.1
5" x 7-ga x 28'	26	7	G	13"	1	15.5	13.5	11.8	9.0	6.8	5.0	3.6	2.5	1.4
5" x 7-ga x 28'	28	7	G	11"	0.75	8.9	7.4	6.3	4.3	2.7	1.4	-	-	-
**5" x

PHOTOMETRIC PLAN
QT 4448 ADDITION SUBDIVISION
LOT 1

Catalog #: _____ Project: _____
Prepared By: _____ Date: _____ Type: _____

Scottsdale® Legacy (CRUS)
LED Canopy Luminaire

IP66



OVERVIEW	
Lumen Package	5,000 - 22,000
Wattage Range	38 - 152
Efficacy Range (LPW)	114 -156
Weight lbs(kg)	23 (10.4)

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Features a ultra-slim 11/16" profile die-cast housing, with flat clear or diffused tempered glass lens. Unit is water-resistant, sealed and IP66 rated. Integral designed heat sink does not trap dirt and grime, ensuring cool running performance over the life of the fixture.
- Standard color is white and is finished with LSI's DuraGrip®polyester powder coat process. DuraGrip withstands extreme weather changes without cracking or peeling.
- Luminaire assembly incorporates a pressure stabilizing vent breather to prevent seal fatigue and failure.

Optical System

- Features an array of select, mid-power, high brightness, high efficiency LED; 3000K, 4000K, 5000K color temperature, 80 CRI (nominal).
- Choice of Symmetric or Asymmetric distribution, Asymmetric provides a wider distribution pattern. Optional symmetric with diffused lens also available.
- Diffuse lens available as an option to soften brightness of the luminaire.
- Six Lumen Packages: 5,000, 9,000, 10,000, 13,000, 18,000 and 22,000 Lumens.

Electrical

- High performance factory programmable driver features over-voltage, under voltage, short-circuit and over temperature protection with integral 6kV surge protection that meets IEEE C62.41.2 and ANSI C82.77-5 Location Category C Low standards. Additional field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/ IEEE C62.41.2). Custom lumen and wattage packages available.
- Driver components are fully encased in potting for moisture resistance. Complies with IEC and FCC standards. 0-10 V dimming supplied standard with all drive currents.
- Die-cast aluminum, wet location rated driver/electrical enclosure is elevated above canopy deck to prevent water entry, provide easy "knock-out" connection of primary wiring and acts as the primary heatsink ensuring cool operation of internal components for longer life. Seals to optical housing via one-piece molded silicone gasket.
- Universal voltage power supply, 120-277 VAC, 50/60 HZ and 347-480 VAC, 50/60 HZ input.
- -40°C to 55°C (-40°F to 131°F) ambient operating temperature. (Varies based on lumen package and mounting style see performance data for specifics.)
- Minimum 60,000 to 100,000 hours depending upon the ambient temperature of the installation location (see performance data for specifics.)

Hazardous Location

- Designed for lighter than air fuel applications. Product is suitable for Class 1 Divisions 2 only when properly installed per LSI installation instructions. See lsicorp.com for specific guidance. Not available on SLW.

Installation

- One-person installation.
- Installs in a 12" or 16" deck pan. Deck penetration consists of a 4" hole, simplifying installation and water sealing. Unit is designed to quickly retrofit into existing Scottsdale (4") hole as well as openings for Encore and Encore Top Access and to reconnect wiring for the SC/ECTA without having to relocate the conduit.
- Retro panels are available for existing Encores as well as kits for recessed and 2x2 installations (see separate spec sheets). Support brackets are provided standard, to prevent sagging of deck.

Warranty

- LSI LED fixtures carry a 5-year warranty (contact your LSI representative for extended warranty options.)

Listings

- UL and ETL listed to UL 1598, UL 8750 and other U.S. and International safety standards. Suitable for wet locations.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
- IDA compliant with 3000K or lower color temperature.
- Meets Buy American Act requirements.

Type: _____

Scottsdale® Legacy LED Canopy Luminaire (CRUS)

ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: **CRUS SC LED SS 50 UE WHT**

Prefix	Distribution	Light Source	Drive Current	Color Temp	Input Voltage	Finish	Lens	Options
CRUS - LED Canopy Luminaire	**SC** - Symmetric **AC** - Asymmetric	**LED**	**SLW** - 5,000 Lumens **VLW** - 9,000 Lumens **LW** - 11,000 Lumens **SS** - 13,000 Lumens **HO** - 18,000 Lumens **VHO** - 22,000 Lumens **Custom Lumen Packages[3]**	**50** - 5,000K **40** - 4,000K **30** - 3,000K	**UE** - Universal Voltage (120 - 277V) **HV** - High Voltage 347 - 480V	**WHT** - White **BRZ** - Bronze **BLK** - Black		**HL[2]** - Hazardous Location **DFL** - Diffuse Lens

FOOTNOTES:
1. AC distribution utilizes a reflector which alters the look from a standard SC distribution.
2. Not available on SLW.
3. Custom lumen and wattage packages available consult factory. Values are within industry standard tolerances but not DLC listed.

Accessory Ordering Information (Accessories are field installed)

Description	Order Number
Retrofit Panels - EC / ECTA / SCF to CRUS, for 16" Deck Panel	520946
Retrofit Panels - ECTA / SCF to CRUS, for 12" Deck Panel	530281
Retrofit DpZ Cover Panel Blank (no holes)	357282

Description	Order Number
Retrofit RG Cover Panel Blank (no holes)	354702
Kit - Hole Plugs and Silicone (enough for 25 retrofits)[1]	1320540

1 - Consists of (25) 7/8" hole plugs, (100) 5/16" hole plugs and (1) tube of RTV

PERFORMANCE

Back to Quick Links

DELIVERED LUMENS

Lumen Package	Distribution	3000K CCT			4000K CCT			5000K CCT			Wattage
		Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
VHO	SC	21301	140	B4-UG-G2	21835	144	B4-UG-G2	22897	150	B4-UG-G2	152
	AC	17355	114	B3-UG-G3	17799	117	B3-UG-G3	18502	122	B3-UG-G3	
HO	SC	17889	143	B3-UG-G1	18346	146	B3-UG-G2	19071	152	B4-UG-G2	125
	AC	14582	116	B3-UG-G2	14955	119	B3-UG-G2	15548	124	B3-UG-G2	
SS	SC	13113	141	B3-UG-G1	13449	144	B3-UG-G1	13980	150	B3-UG-G1	93
	AC	11468	123	B3-UG-G2	11761	126	B3-UG-G2	12226	131	B3-UG-G2	
LW	SC	10457	144	B3-UG-G1	10724	148	B3-UG-G1	11148	154	B3-UG-G1	73
	AC	9145	126	B2-UG-G2	9379	129	B2-UG-G2	9748	134	B2-UG-G2	
VLW	SC	8783	146	B3-UG-G1	9008	149	B3-UG-G1	9364	155	B3-UG-G1	60
	AC	7681	127	B2-UG-G1	7878	131	B2-UG-G1	8189	136	B2-UG-G1	
SLW	SC	5583	146	B2-UG-G1	5728	150	B2-UG-G1	5954	156	B2-UG-G1	38
	AC	4884	128	B1-UG-G1	5009	131	B1-UG-G1	5207	136	B1-UG-G1	

*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA (AMPS)

Lumen Package	Wattage	120V	208V	240V	277V	347V	480V
VHO	152	1.27	0.73	0.64	0.55	0.44	0.32
HO	124	1.03	0.6	0.52	0.45	0.36	0.26
SS	92	0.77	0.44	0.38	0.33	0.27	0.19
LW	72	0.6	0.35	0.3	0.26	0.21	0.15
VLW	60	0.5	0.29	0.25	0.22	0.17	0.13
SLW	38	0.32	0.18	0.16	0.14	0.11	0.08

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

OPERATING TEMPERATURE

LUMEN PACKAGE	HOUSING	Max
VHO	Metal/Wood Canopy	45 C
HO	Metal/Wood Canopy	45 C
SS	Metal/Wood Canopy	55 C

Recommended Lumen Maintenance[2] CRUS VHO

Ambient Temp C	Initial [1]	25k hr [1]	50k hr [1]	75k hr [1]	100k hr [1]
0 C	102%	97%	92%	88%	84%
10 C	102%	97%	92%	88%	84%
20 C	102%	97%	92%	88%	84%
25 C	102%	97%	92%	88%	84%
30 C	102%	97%	92%	88%	84%
40 C	101%	95%	90%	85%	80%
50 C	100%	94%	89%	83%	78%

Recommended Lumen Maintenance[2] CRUS SS

Ambient Temp C	Initial [1]	25k hr [1]	50k hr [1]	75k hr [1]	100k hr [1]
0 C	102%	97%	92%	88%	84%
10 C	102%	97%	92%	88%	84%
20 C	102%	97%	92%	88%	84%
25 C	102%	97%	92%	88%	84%
30 C	102%	97%	92%	88%	84%
40 C	102%	97%	92%	88%	84%
50 C	101%	95%	91%	86%	82%

FOOTNOTES:
1 - Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.
2 - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (OUT) i.e. the packaged LED).
3 - In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times NA LM-80-08 total test duration (in hours) for the device under testing (OUT) i.e. the packaged LED).

Type: _____

Scottsdale® Legacy LED Canopy Luminaire (CRUS)

PHOTOMETRICS

Back to Quick Links

Luminaire photometry has been conducted by an accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See http://www.lsi-industries.com/products/led-lighting-solutions.aspx for detailed photometric data.

CRUS-SC-SS-50

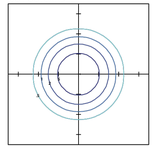
LUMINAIRE DATA

Type S Distribution	
Description	5000 Kelvin, 80 CRI
Delivered Lumens	13,980
Watts	93
Efficacy	150
IES Type	Type VS - Very Short
BUG Rating	B3-UG-G1

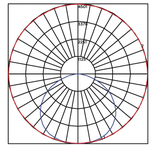
Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30°)	3654.2	26%
Medium (30-60°)	7541.2	54%
High (60-80°)	2641.4	19%
Very High (80-90°)	143.2	1%
Uplight (90-180°)	0	0%
Total Flux	13980	100%

ISO FOOTCANDLE



POLAR CURVE



15' Mounting Height/15' Grid Spacing
5 FC 2 FC 1 FC .5 FC

CRUS-AC-SS-50

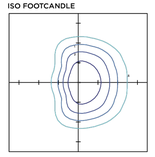
LUMINAIRE DATA

Type 3 Distribution	
Description	5000 Kelvin, 80 CRI
Delivered Lumens	12,226
Watts	93
Efficacy	131
IES Type	Type III, Very Short
BUG Rating	B3-UG-G2

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30°)	3240.3	27%
Medium (30-60°)	6245.5	51%
High (60-80°)	2594.6	21%
Very High (80-90°)	146.1	1%
Uplight (90-180°)	0	0%
Total Flux	12227	100%

ISO FOOTCANDLE



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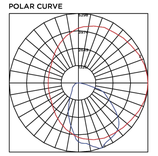

15' Mounting Height/15' Grid Spacing
5 FC 2 FC 1 FC .5 FC

Type: _____

Scottsdale® Legacy LED Canopy Luminaire (CRUS)

PRODUCT DIMENSIONS

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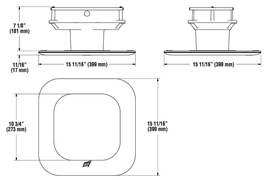


Catalog #: _____ Project: _____
Prepared By: _____ Date: _____ Type: _____

XSPS
LED Soffit Light



OVERVIEW	
Lumen Package	4000 - 8000
Wattage Range	43 -59
Efficacy Range (LPW)	96 -104
Weight lbs (kg)	7.6 (3.5)

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Housing is die-formed aluminum with diffuse acrylic lens providing a water-resistant seal. Enclosure contains factory prewired driver and optical unit containing LEDs.
- Recess mount into an enclosed soffit with screws through the mounting frame. 8" clearance required for ease of installation.
- Finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling, and is guaranteed for five full years. Standard color is gloss white.
- Shipping weight: 7.6 lbs in carton.
- Suitable for wet locations.

Optical System

- Symmetric distribution with excellent uniformity and a BUG rating of B2-UO-G1. Diffuse lens is standard to minimizing visibility of LEDs.
- Select high-brightness LEDs.
- Available in 5000K, 4000K and 3000K
- Color temperatures per ANSI C78.377.
- Minimum CRI of 80.

Electrical

- High-performance factory programmable driver features over-voltage, under voltage, short-circuit and over temperature protection with integral surge protection that meets IEEE C62.41.2 and ANSI C82.77. -5 Location Category C Low standards.
- 0-10 volt dimming (10% - 100%) standard.
- 120-347VAC 50/60Hz
- Thermal protector standard on 5000-8000 lumen versions.
- L80 Calculated Life: >100k Hours (See Lumen Maintenance chart)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to 40°C (-40°F to 104°F) for HO and VHO, -40°C to 45°C (-40°F to 113°F) for SS, -40°C to 35°C (-40°F to 95°F) for SHO .
- Power factor: >0.90
- Input power stays constant over life.
- High-efficacy LEDs with integrated circuit board mount to the housing to maximize heat dissipation and promote long life.
- Driver components are fully encased in potting material for moisture resistance. Driver complies with FCC standards.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsicorp.com/resources/terms-conditions-warranty/ for more information.

Listings

- Listed to UL 1598 and UL 8750
- Suitable For Damp Locations
- Meets Buy American Act requirements.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
- IDA compliant with 3000K or lower color temperature.

Type: _____

XSPS LED Soffit Light

ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: **XSPS S LED SS CW 120 GWT DFL**

Prefix	Drive Current	Light Source	Color Temperature	Input Voltage	Finish	Lens	Options
XSPS - LED Soffit	**S** - Symmetric	**LED**	**SS** - 4,000 Lumens **HO** - 5,000 Lumens **VHO** - 6,000 Lumens **SHO** - 8,000 Lumens	**CW** - 5000K 80 CRI **NW** - 4000K 80 CRI **WW** - 3000K 80 CRI	**120** - 120V **208** - 208V **240** - 240V **277** - 277V **347** - 347V	**GWT** - Gloss White	**DFL** - Diffused Acrylic Lens	**CMT** - Channel Bar Mounting Kit **BB** - Emergency Battery Pack[1]

1 - Emergency Battery Pack only available on the SS - 4000 lumen version (120, 208, 240 & 277V versions).

PERFORMANCE

DELIVERED LUMENS

Lumen Package	Distribution	Lens Type	CRI	3000K CCT			4000K CCT			5000K CCT			Wattage
				Delivered Lumens	Efficacy	Bug Rating	Delivered Lumens	Efficacy	Bug Rating	Delivered Lumens	Efficacy	Bug Rating	
SS	S	DFL	80	3816	123	B2-UO-G1	4022	129	B2-UO-G1	3966	128	B2-UO-G1	31
HO	S	DFL	80	4756	120	B2-UO-G1	5011	127	B2-UO-G1	4941	125	B2-UO-G1	40
VHO	S	DFL	80	5733	118	B2-UO-G1	6041	124	B2-UO-G1	5957	122	B2-UO-G1	49
SHO	S	DFL	80	7559	113	B3-UO-G1	7965	119	B3-UO-G1	7853	118	B3-UO-G1	67

LEDs are frequently updated therefore values are nominal.

Electrical Data (Amps)*

Lumen Package	Wattage	120V	208V	240V	277V	347V
SS	31	0.26	0.15	0.13	0.11	0.09
HO	40	0.33	0.19	0.16	0.14	0.11
VHO	49	0.41	0.23	0.2	0.18	0.14
SHO	67	0.56	0.32	0.28	0.24	0.19

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

RECOMMENDED LUMEN MAINTENANCE

Ambient Temp C	Initial[2]	25K hrs.[1]	50K hrs.[1]	75K hrs.[1]	100K hrs.[1]
25 C	100%	95%	91%	86%	82%

1 - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
2 - In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.

Type: _____

XSPS LED Soffit Light

PHOTOMETRICS

Back to Quick Links

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

For complete specifications and IES files, see website.

XSPS S LED HO NW DFL

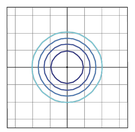
Luminaire Data

Type S Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	5,011
Watts	39.5
Efficacy	127
IES Type	Type VS - Very Short
BUG Rating	B2-UO-G1

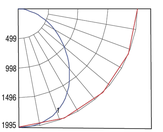
Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30°)	1558	31%
Medium (30-60°)	2565	51%
High (60-80°)	826	16%
Very High (80-90°)	84	2%
Uplight (90-180°)	0	0%
Total Flux	5011	100%

ISO FOOTCANDLE PLOT



POLAR CURVE



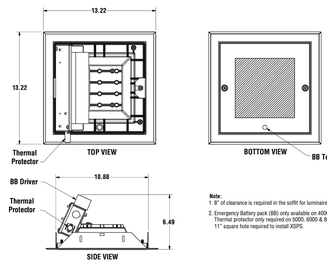
10' Mounting Height/10' Grid Spacing
5 FC 2 FC 1 FC 0.5 FC

Type: _____

XSPS LED Soffit Light

PRODUCT DIMENSIONS

Back to Quick Links



Note:
1. 8" of clearance is required in the soffit for luminaire installation.
2. Emergency Battery pack (BB) only available on 4000 lumen version. Thermal protector only required on 5000, 6000 & 8000 lumen versions. 11" square hole required to install XSPS.

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PROJECT NO.:89-4423

PRELIMINARY PLAN
QT 4448 ADDITION SUBDIVISION LOT 1
QuikTrip No. 4448
EOLA ROAD (IL 14) & DIEHL ROAD
AURORA, DUPAGE COUNTY, IL 60502

Current Land Owner:
Yorkville partners II, LLC
1733 park Street, Ste 110
Naperville, IL 60563
Timothy Boos, Manager
tboos@boosrt.com
312-560-2560

Petitioner:
QuikTrip Corporation
50 South Main Street, Ste 200
Naperville, IL 60540
Ali Bukhres
abukhres@quiktrip.com
918-284-9456

PROTOTYPE:	P-120
DIVISION:	89
VERSION:	001
DESIGNED BY:	DKH
DRAWN BY:	CSH
REVIEWED BY:	CJC

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 03/21/2025

SHEET TITLE:
LIGHTING CUT SHEETS

SHEET NUMBER:
C164

FILE LOCATION:\\DESKTOP-HIMC8OB\Civil 3D Projects\QT4448 Aurora, IL\84-4448 Photometric.dwg TAB NAME:Cut Sheets 4 USER:Jonathon Smith SAVED:3/21/2025 8:54 AM PLOTTED:3/21/2025 8:57 AM

PHOTOMETRIC PLAN
QT 4448 ADDITION SUBDIVISION
LOT 1

Catalog #: _____ Project: _____

Prepared By: _____ Date: _____ Type: _____

Mirada Medium Wall Sconce (XWM)

Outdoor Wall Sconce



IK08

OVERVIEW	
Lumen Range	3,000 - 21,000
Wattage Range	23 - 175
Efficacy Range (LPW)	125 - 158
Weight lbs(kg)	30 (13.6)

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Hinged die-cast aluminum wiring access door located underneath.
- Galvanized-steel universal wall mount bracket comes standard with hinging mechanism to easily access the junction box wire connections without removing the luminaire.
- Optional pole-mounting bracket (XPMA) permits mounting to standard poles.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 30 lbs in carton.

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP65 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in Types 2, 3, and Forward Throw (FT) distributions.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K and 3000K color temperatures per ANSI C78.377. Also Available in Phosphor Converted Amber with Peak intensity at 610nm.
- Minimum CRI of 70.

Electrical

- High-performance programmable driver features over-voltage, under-voltage, short-circuit and over temperature protection. Custom lumen and wattage packages available.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours
- Total harmonic distortion: <20%
- 3L to 12L operating temperature: -40°C to +50°C (-40°F to +122°F)
- 15L operating temperature: -40°C to +45°C (-40°F to +113°F).
- 18L operating temperature: -40°C to +40°C (-40°F to +104°F).
- 21L operating temperature: -40°C to +35°C (-40°F to + 95°F).
- Power factor > 90
- Input power stays constant over life.
- Optional 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed via hinged door.
- Optional integral emergency battery pack provides 90-minutes of constant power to the LED system, ensuring code compliance. A test switch/indicator button is installed on the housing for ease of maintenance. The fixture delivers 1500 lumens during emergency mode.

Controls

- Integral passive infrared Bluetooth™ motion and photocell sensor options. Fixtures operate independently and can be commissioned via an IOS or Android configuration app. Updates and modifications to the control strategy are easily implemented via an intuitive app.
- LSI's AirLink™ Blue lighting control system is a simple feature rich wireless Bluetooth mesh network. The integrated fixture sensor module provides wireless control of grouped fixtures based on motion sensors, daylight or a fully customizable schedule.

Installation

- Universal wall mounting plate easily mounts directly to 4" octagonal or square junction box.
- 2 fasteners secure the hinged door underneath the housing and provide quick & easy access to the electrical compartment for installing/servicing.
- Optional terminal block accepts up to 12 ga wire.

Warranty

- LSI LED Fixtures carry a 5-year warranty.
- 1 Year warranty on Battery Back-up option.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant; with 3000K or lower color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet Locations.
- IP65 rated luminaire per IEC 60598.
- 3G rated for ANSI C136.31 high vibration applications when pole mounted (using optional XPMA bracket) or wall mounted.
- IK08 rated luminaire per IEC 66262 mechanical impact code
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Type: _____

Mirada Wall Sconce (XWM)

ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: **XWM 2 LED 03L 30 UE BRZ ALSC**

Family	Distribution	LED Technology	Lumen Package	Color Temperature	Voltage
XWM - 9"Wide Medium Wall Sconce	2 - Type 2 3 - Type 3 FT - Type 4 Forward Throw	**LED**	**3L** - 3,000 lms. **4L** - 4,000 lms. **6L** - 6,000 lms. **9L** - 9,000 lms. **12L** - 12,000 lms. **15L** - 15,000 lms. **18L** - 18,000 lms. **21L** - 21,000 lms. Custom Lumens Packages[1]	**30** - 3000K **40** - 4000K **50** - 5000K **AMB** - Phosphor Converted Amber[2]	**UE** - Universal Voltage (120-277V) **HV** - High Voltage (347-480V)

Finish	Controls (Choose One)	Options
BLK - Black **BRZ** - Dark Bronze **GPH** - Gun Metal Grey **GPT** - Graphite **MSV** - Metallic Silver **PLP** - Platinum Plus **SNG** - Satin Nordic Green **WHT** - White	**Wireless Controls** **ALSC** - 4-6ft® Sensepoint Control System **ALSC2S** - AirLink Sensepoint Control System with (x 2.2' Motion Sensor **ALSC4S2** - AirLink Sensepoint Control System with (x 2.2' Motion Sensor **ALSCC2** - AirLink Blue Wireless Motion & Photo Sensor Controller (9-24' mounting height). **ALSCC4** - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' mounting height). **Standalone Controls** **DIM** - 0-10v Dimming pack endorsed to housing exterior **IMSBT1** - Integral Bluetooth™ Motion and Photocell Sensor mount (6-24' mounting height.* **IMSBT2** - Integral Bluetooth Motion and Photocell Sensor mount (6-40' mounting height.* **Button Type Photocells** **PCI120** - 120V **PCI208-277** - 208 - 277V **PCI347** - 347V	**BB** - Bottom Back-up (EPT)[3] **CMBB** - Cold Weather Battery Backup (-20°C)[3] **XPMA** - Pole Mounting Bracket **SPD** - 10kV Surge Protection **TB** - Terminal Block

ACCESSORY ORDERING INFORMATION[4]

Description	Order Number	Description	Order Number
XWM Surface Wiring Box	XWMSQB	HCA2 - Single Fusing	HCA2F
10" Linear Dirct Spike Kit (2' (Recommended per Luminaire)	75KIT	DFA - Double Fusing	DFA250F
FA250 - Single Fusing	FA25F	DFA - Double Fusing (240V)	DFA240F
FA277 - Single Fusing	FA27F	DFA - Double Fusing (480V)	DFA480F

1. Only available in UL Lumen Package. Consult factory for lead time and availability.
2. Not available in HV.
3. Consult Factory for Site Layout.
4. MSBT is field configurable via the CSI app that can be downloaded from your smartphone's native app store.
5. Fusing must be located in a hand hole for pole or in the junction box.
6. Custom lumens and wattage packages available consult factory. Values are within industry standard tolerances but not DLC listed.
7. Accessories are shipped separately and field installed.

Type: _____

Mirada Wall Sconce (XWM)

PERFORMANCE

Back to Quick Links

DELIVERED LUMENS*

Lumen Package	Distribution	CRI	3000K Delivered Lumens	3000K Efficacy	3000K BUG Rating	4000K Delivered Lumens	4000K Efficacy	4000K BUG Rating	5000K Delivered Lumens	5000K Efficacy	5000K BUG Rating	Wattage
03L	2	70	3378	138	B1-U0-G2	3568	146	B1-U0-G2	3313	143	B1-U0-G2	25
	3	70	3224	140	B1-U0-G2	3406	148	B1-U0-G2	3161	145	B1-U0-G2	
	FT	70	3160	137	B1-U0-G2	3349	145	B1-U0-G2	3254	143	B1-U0-G2	
04L	2	70	4250	139	B1-U0-G2	4485	147	B1-U0-G2	4410	145	B1-U0-G2	30
	3	70	4291	141	B1-U0-G2	4547	150	B1-U0-G2	4471	147	B1-U0-G2	
	FT	70	4206	138	B1-U0-G3	4458	147	B1-U0-G2	4385	144	B1-U0-G2	
06L	2	70	6326	134	B2-U0-G3	6704	142	B2-U0-G2	6595	140	B2-U0-G2	47
	3	70	6417	136	B1-U0-G2	6800	144	B1-U0-G2	6689	142	B1-U0-G2	
	FT	70	6290	134	B2-U0-G2	6666	142	B2-U0-G2	6557	139	B2-U0-G2	
08L	2	70	8366	128	B2-U0-G2	8864	135	B2-U0-G2	8515	133	B2-U0-G2	64
	3	70	8265	129	B2-U0-G2	8778	137	B2-U0-G2	8605	134	B2-U0-G2	
	FT	70	8120	126	B2-U0-G2	8605	134	B2-U0-G2	8465	132	B2-U0-G2	
12L	2	70	11902	145	B2-U0-G2	12750	152	B2-U0-G2	12567	150	B2-U0-G2	82
	3	70	11854	145	B2-U0-G2	12707	150	B2-U0-G2	12513	152	B2-U0-G2	
	FT	70	11717	143	B2-U0-G2	12586	149	B2-U0-G2	12747	154	B2-U0-G2	
15L	2	70	14642	140	B3-U0-G3	15225	145	B3-U0-G3	15024	142	B3-U0-G3	105
	3	70	14605	139	B2-U0-G2	15162	145	B2-U0-G3	15060	151	B2-U0-G3	
	FT	70	14502	139	B2-U0-G3	15057	144	B2-U0-G3	15250	150	B3-U0-G3	
18L	2	70	17605	134	B3-U0-G3	18369	139	B3-U0-G3	18168	145	B3-U0-G3	130
	3	70	17638	134	B3-U0-G3	18356	139	B3-U0-G3	18940	146	B3-U0-G3	
	FT	70	17259	133	B3-U0-G3	17920	138	B3-U0-G3	18345	144	B3-U0-G3	
21L	2	70	20380	127	B3-U0-G3	21260	132	B3-U0-G3	22758	138	B4-U0-G3	160
	3	70	20375	125	B3-U0-G3	21155	131	B3-U0-G3	22529	131	B3-U0-G3	
	FT	70	20275	126	B3-U0-G3	20989	130	B3-U0-G3	21955	136	B3-U0-G3	

*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA*

Lumen Package	120V	208V	240V	277V	347V	480V
03L	0.19	0.11	0.10	0.08	0.07	0.05
04L	0.25	0.15	0.13	0.11	0.09	0.06
06L	0.39	0.23	0.20	0.17	0.14	0.10
08L	0.54	0.31	0.27	0.23	0.19	0.13
12L	0.68	0.39	0.34	0.30	0.24	0.17
15L	0.87	0.50	0.44	0.38	0.30	0.22
18L	1.08	0.63	0.54	0.47	0.37	0.27
21L	1.34	0.77	0.67	0.58	0.46	0.34

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

DELIVERED LUMENS*

Lumen Package	Distribution	Amber Delivered Lumens	Amber Efficacy	Amber BUG Rating	Wattage
6L	2	3525	76	B1-U0-G2	47.5
	3	3585	78	B1-U0-G2	
	FT	3543	77	B1-U0-G2	

RECOMMENDED LUMEN MAINTENANCE (3L-9L)[1]

Ambient Temperature C	Initial [2]	25K hrs.[3]	50K hrs.[3]	75K hrs.[3]	100K hrs.[3]
0 C - 50 C	100%	98%	95%	93%	90%

RECOMMENDED LUMEN MAINTENANCE (12L-21L)[1]

Ambient Temperature C	Initial [2]	25K hrs.[3]	50K hrs.[3]	75K hrs.[3]	100K hrs.[3]
0 - 35 C	99%	97%	95%	93%	91%

1 - Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.
2 - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
3 - Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing times the IESNA LM-80-08 total test duration for the device under testing

Type: _____

Mirada Wall Sconce (XWM)

PHOTOMETRICS

Back to Quick Links

All published luminaire photometric testing performed to IESNA LM-79 standards. ISO footcandle plots below demonstrate the Mirada Wall Sconce (XWM) light patterns only. Not for total fixture output. For complete specifications and IES files, see website.

XWM-2-LED-6L-40

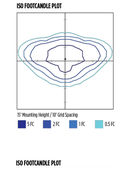
LUMINAIRE DATA

Type 2 Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	6,326
Watts	46.7
Efficacy	135
IES Table	Type III - Medium
BUG Rating	B1-U0-G2

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	803	13.4%
Medium (30-60)°	3950	54.8%
High (60-90)°	1604	36.7%
Very High (90-90)°	69.2	1.1%
Uplight (90-180)°	0.0	0.0%
Total Flux	6326.7	100%

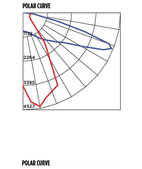
ISO FOOTCANDLE PLOT



10' Mounting Height / 20' Grid Spacing

1.0K 2.0K 5.0K 0.5 FC

POLAR CURVE



XWM-3-LED-6L-40

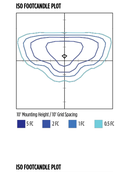
LUMINAIRE DATA

Type 3 Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	4,315
Watts	46.7
Efficacy	131
IES Table	Type III - Medium
BUG Rating	B1-U0-G2

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	562.4	13.1%
Medium (30-60)°	2366.9	54.8%
High (60-90)°	1284.8	29.6%
Very High (90-90)°	98.2	1.1%
Uplight (90-180)°	0.0	0.0%
Total Flux	4315.3	100%

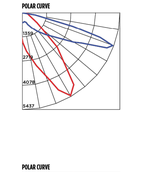
ISO FOOTCANDLE PLOT



10' Mounting Height / 20' Grid Spacing

1.0K 2.0K 5.0K 0.5 FC

POLAR CURVE



XWM-FT-LED-6L-40

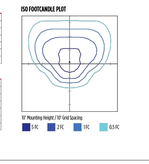
LUMINAIRE DATA

Type FT Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	6,258
Watts	46.7
Efficacy	134
IES Table	Type IV - Short
BUG Rating	B1-U0-G2

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	378.6	6.0%
Medium (30-60)°	2584.4	41.3%
High (60-90)°	2525.2	40.3%
Very High (90-90)°	170.8	2.8%
Uplight (90-180)°	0.0	0.0%
Total Flux	6258.4	100.0%

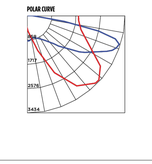
ISO FOOTCANDLE PLOT



10' Mounting Height / 20' Grid Spacing

1.0K 2.0K 5.0K 0.5 FC

POLAR CURVE



Type: _____

Mirada Wall Sconce (XWM)

PRODUCT DIMENSIONS

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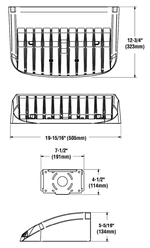
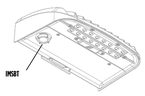


Luminaire Shown with IMSBT



Surface Wiring Box



Wet location rated surface wiring box features 1/2" and 3/4" knockouts for surface conduit

Luminaire Shown with PCI



CONTROLS

AirLink Wireless Lighting Controller

The AirLink integrated controller is a California Title 24 compliant lighting controller that provides real-time light monitoring and control with utility-grade power monitoring. It includes a 24V sensor input and power supply to connect a sensor into the outdoor AirLink wireless lighting system. The wireless integrated controller is compatible with this fixture.

Click here to learn more about AirLink.

Integral Bluetooth™ Motion and Photocell Sensor (IMSBT)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is rated for cold and wet locations (-30° C to 70° C). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

Click here to learn more about IMSBT.

AirLink Blue

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires.

Click here to learn more about AirLink Blue.

PROJECT NO.: 89-4423

CRUX
TECHNOLOGY + SECURITY SOLUTIONS
800.685.6440
www.cruxsolutions.com

PRELIMINARY PLAN
QT 4448 ADDITION SUBDIVISION LOT 1
QuikTrip No. 4448
EOLA ROAD (IL 14) & DIEHL ROAD
AURORA, DUPAGE COUNTY, IL 60502

Current Land Owner:
Yorkville partners II, LLC
1733 park Street, Ste 110
Naperville, IL 60563
Timothy Boos, Manager
tboos@boosrt.com
312-560-2560

Petitioner:
QuikTrip Corporation
50 South Main Street, Ste 200
Naperville, IL 60540
Ali Bukhres
abukhres@quiktrip.com
918-284-9456

PROTOTYPE:	P-120
DIVISION:	89
VERSION:	001
DESIGNED BY:	DKH
DRAWN BY:	CSH
REVIEWED BY:	CJC

REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 03/21/2025

SHEET TITLE:

LIGHTING CUT SHEETS

SHEET NUMBER:

C165

FILE LOCATION:\\DESKTOP-HMK86GB\Civil 3D Projects\QT4448 Aurora, IL\84-4448 Photometric.dwg TAB NAME:Cut Sheets 5 USER:Jonathon Smith SAVED:3/21/2025 8:54 AM PLOTTED:3/21/2025 8:57 AM