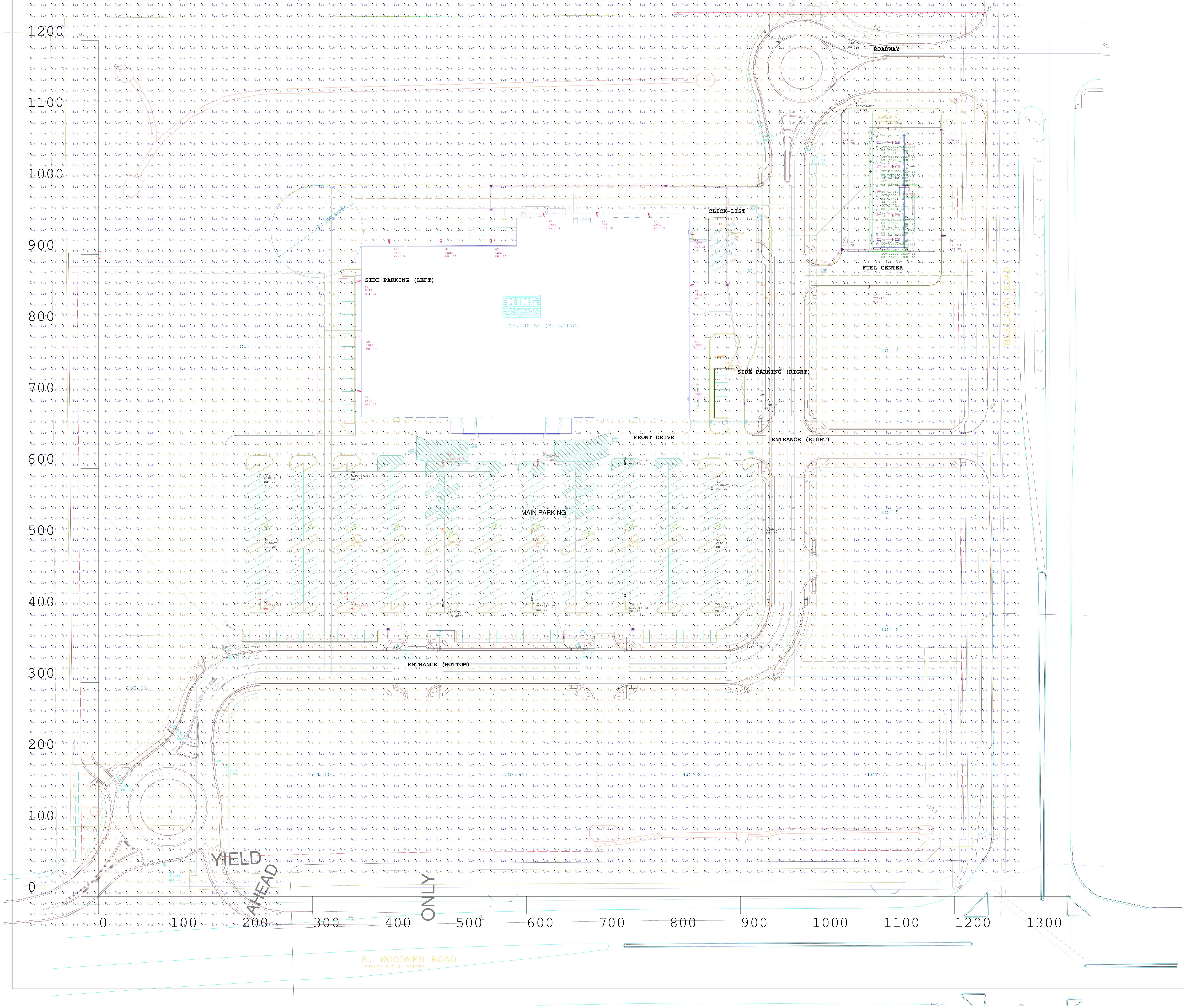
Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Lum. Watts	Total Watts	Lum. Lumens	LLF	Description
	1	C100-T3	SINGLE	217	217	31061	0.903	PRV-XL-C100-D-UNV-T3-BZ
	2	C100-T4	SINGLE	217	434	31035	0.903	PRV-XL-C100-D-UNV-T4-BZ
	2	C100-T5	SINGLE	217	434	33450	0.903	PRV-XL-C100-D-UNV-T5-BZ
	8	C100-T5 (2	BACK-BACK	217	3472	33450	0.903	PRV-XL-C100-D-UNV-T5-BZ
	4	C125-T5-2	BACK-BACK	264	2112	39097	0.903	PRV-XL-C125-D-VOLT-T5-BZ
	5	C150-T5	SINGLE	285	1425	44287	0.903	PRV-XL-C150-D-UNV-T5-BZ
	2	C150-T5-2	BACK-BACK	285	1140	44287	0.903	PRV-XL-C150-D-UNV-T5-BZ
	3	C40-T4-HSS	SINGLE	131	393	15518	0.903	PRV-C40-D-UNV-T4-BZ-HSS
	5	C75-T3	SINGLE	176	880	26120	0.903	PRV-XL-C75-D-VOLT-T3-BZ
	9	C75-T4	SINGLE	176	1584	26098	0.903	PRV-XL-C75-D-VOLT-T4-BZ
	3	LWA1	SINGLE	59	177	6505	0.912	GWC-AF-01-LED-VOLT-T3-BZ
	3	LWA2	SINGLE	113	339	12710	0.912	GWC-AF-02-LED-VOLT-T3-BZ
	7	LWB2	SINGLE	113	791	12784	0.912	GWC-AF-02-LED-VOLT-T4FT-BZ
	28	SCV-13	SINGLE	84.3	2360.4	12933	1.000	SCV-LED-13L-SC-50

Project manager to specify fixture voltage for each fixture type

Total Watts = 15758.39

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CANOPY	Illuminance	Fc	30.56	45.1	11.0	2.78	4.10
PROPERTY LINE	Illuminance	Fc	0.04	0.1	0.0	N.A.	N.A.
BUILDING REAR	Illuminance	Fc	2.21	9.1	0.1	22.10	91.00
CLICK-LIST	Illuminance	Fc	6.66	11.6	3.0	2.22	3.87
ENTRANCE (BOTTOM)	Illuminance	Fc	3.45	6.0	2.3	1.50	2.61
ENTRANCE (RIGHT)	Illuminance	Fc	1.60	3.0	0.7	2.29	4.29
FRONT DRIVE	Illuminance	Fc	4.15	8.2	1.4	2.96	5.86
FUEL CENTER	Illuminance	Fc	4.51	10.7	1.0	4.51	10.70
MAIN PARKING	Illuminance	Fc	4.30	8.8	1.5	2.87	5.87
ROADWAY	Illuminance	Fc	1.96	8.0	0.3	6.53	26.67
SIDE PARKING (LEFT)	Illuminance	Fc	4.34	6.6	1.7	2.55	3.88
SIDE PARKING (RIGHT)	Illuminance	Fc	4.56	8.7	1.5	3.04	5.80



Luminaire Location Summary						
LumNo	Label	X	Y	Z	Orient	Tilt
1	C40-T4-HSS	933.25	1216.25	20	279.293	0
2	C40-T4-HSS	1045.25	1209.75	20	251.98	0
3	C40-T4-HSS	1055.5	1121.25	20	147.995	0
4	C75-T4	925.899	1079.451	20	10.042	0
5	C75-T3	1037.25	1074.5	20	0	0
6	C75-T3	1185.5	1074.25	20	180	0
7	SCV-13	1091.5	1064.5	15	0	0
8	SCV-13	1107.5	1064.5	15	0	0
9	SCV-13	1123.5	1063.5	15	0	0
10	SCV-13	1091.5	1050.5	15	0	0
11	SCV-13	1107.5	1050.5	15	0	0
12	SCV-13	1123.5	1050.5	15	0	0
13	C75-T4	996.75	1045.75	20	149.237	0
14	SCV-13	1091.5	1030.5	15	0	0
15	SCV-13	1107.5	1030.5	15	0	0
16	SCV-13	1123.5	1029.5	15	0	0
17	SCV-13	1091.5	1016.5	15	0	0
18	SCV-13	1107.5	1016.5	15	0	0
19	SCV-13	1123.5	1016.5	15	0	0
20	SCV-13	1091.5	996.5	15	0	0
21	SCV-13	1107.5	996.5	15	0	0
22	SCV-13	1091.5	982.5	15	0	0
23	SCV-13	1107.5	982.5	15	0	0
24	SCV-13	1091.5	962.5	15	0	0
25	SCV-13	1107.5	962.5	15	0	0
26	SCV-13	1123.5	961.5	15	0	0
27	LWA1	699.25	955.75	15	90	0
28	LWA1	772.25	955.25	15	90	0
29	LWA1	625	955	15	90	0
30	SCV-13	1091.5	948.5	15	0	0
31	SCV-13	1107.5	948.5	15	0	0
32	SCV-13	1123.5	948.5	15	0	0
33	C150-T5-2	875.75	943	20	0	0
34	C75-T3	1037.25	931.5	20	0	0
35	LWB2	829.5	929.25	15	0	0
36	SCV-13	1091.5	928.5	15	0	0
37	SCV-13	1107.5	928.5	15	0	0
38	SCV-13	1123.5	927.5	15	0	0
39	C75-T3	1187.25	926.75	20	180	0
40	LWB2	407.75	915.75	15	90	0
41	LWB2	480	915.75	15	90	0
42	LWB2	550	915.75	15	90	0
43	SCV-13	1091.5	914.5	15	0	0
44	SCV-13	1107.5	914.5	15	0	0
45	SCV-13	1123.5	914.5	15	0	0
46	LWA2	367.25	863.25	15	180	0
47	C150-T5	928.25	857.364	20	0	0
48	LWB2	829.5	856.75	15	0	0
49	C75-T3	1079.75	852	20	90	0
50	LWA2	369.25	786	15	180	0
51	LWB2	829.5	786	15	0	0
52	C150-T5-2	873	757	20	0	0
53	LWB2	829.5	717.25	15	0	0
54	LWA2	367.25	708.25	15	180	0
55	C100-T4	927.5	702.614	20	0	0
56	C100-T5 (2)	737.5	610.9	20	90	0
57	C125-T5-2	616.4	607.3	20	90	0
58	C125-T5-2	483	605.8	20	90	0
59	C100-T5 (2)	226.25	586.7	20	90	0
60	C100-T5 (2)	348.25	586.65	20	90	0
61	C100-T5 (2)	860.15	575.9	20	90	0
62	C100-T4	930.25	527.614	20	0	0
63	C150-T5	483.3	510.8	20	90	0
64	C150-T5	348.45	509.65	20	90	0
65	C150-T5	737.6	509.9	20	90	0
66	C150-T5	607.1	509.2	20	90	0
67	C100-T5	226.6	508.55	20	90	0
68	C100-T5	859.95	508.65	20	90	0
69	C125-T5-2	226.1	421.45	20	90	0
70	C125-T5-2	347.95	421.3	20	90	0
71	C100-T5 (2)	607.35	420.35	20	90	0
72	C100-T5 (2)	858.45	418.55	20	90	0
73	C100-T5 (2)	737.85	418.05	20	90	0
74	C100-T5 (2)	483.3	411.95	20	90	0
75	C100-T3	908.205	368.853	20	301.038	0
76	C75-T4	673.08	354.75	20	270	0
77	C75-T4	420.08	353.25	20	270	0
78	C75-T4	175.5	352.25	20	297.553	0
79	C75-T4	104.25	239.75	20	321.532	0
80	C75-T4	172.25	190	20	180	0
81	C75-T4	25.75	167.5	20	306.656	0
82	C75-T4	92.75	41.75	20	96.203	0
Total Quantity: 82						

COOPER Lighting Solutions
Applications Engineering
1121 Highway 74 South
Peachtree City, GA 30269
tel no: 770-486-3966
fax no: 770-486-4599
e-mail: mkt-lightingapplications@eaton.com

COOPER Lighting Solutions

Project Name: KING SOOPERS - FALCON, CO

Client: WENDY NORMAN - EATON

Drawn By: John Cyzycki

Date: 9/22/2020

Scale: 1"=50'

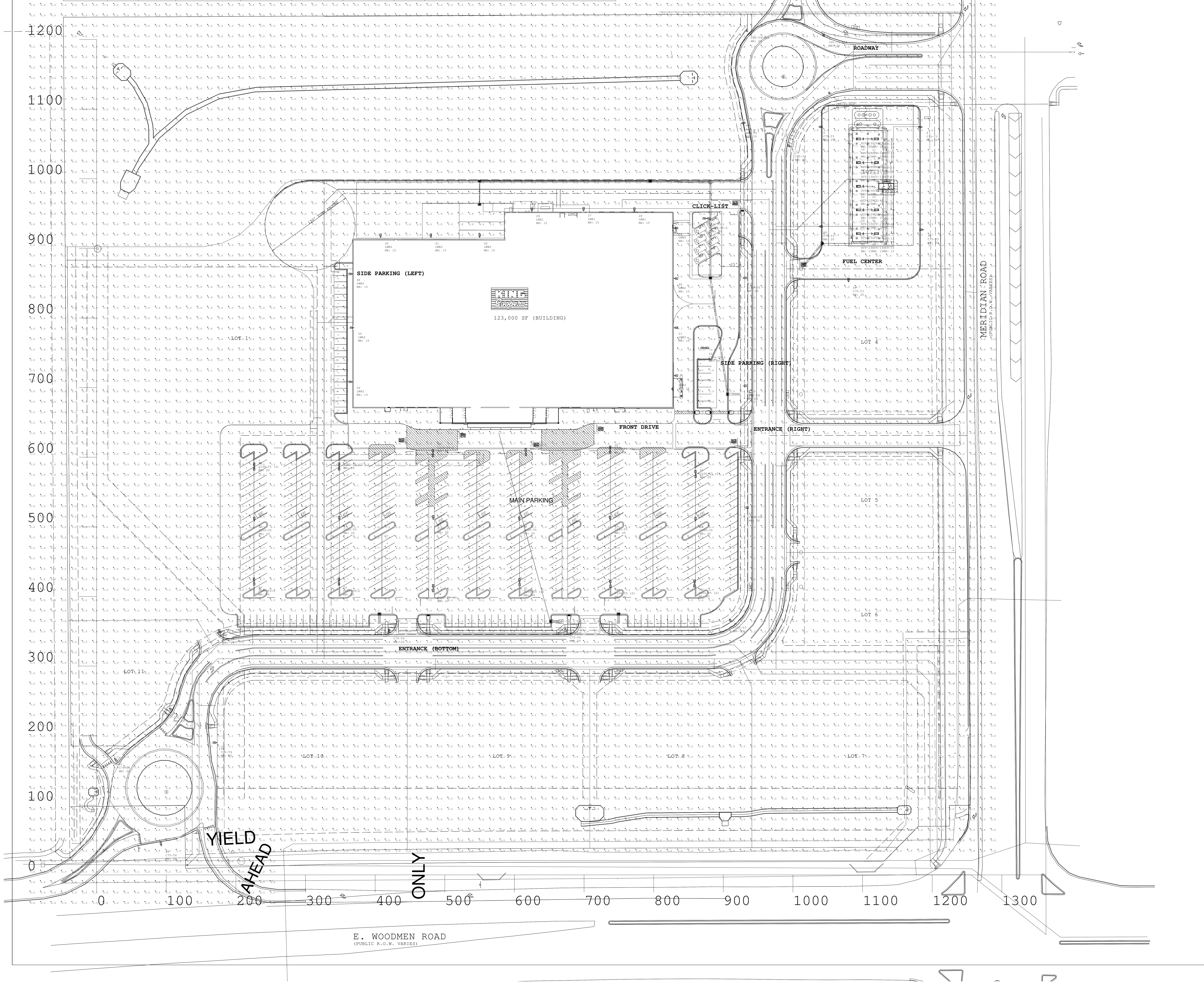
Project No: 1901148R3.AGI

Project manager to specify fixture voltage for each fixture type

Total Watts = 15758.39

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Lum. Watts	Total Watts	Lum. Lumens	LLF	Description
	1	C100-T3	SINGLE	217	217	31061	0.903	PRV-XL-C100-D-UNV-T3-BZ
	2	C100-T4	SINGLE	217	434	31035	0.903	PRV-XL-C100-D-UNV-T4-BZ
	2	C100-T5	SINGLE	217	434	33450	0.903	PRV-XL-C100-D-UNV-T5-BZ
	8	C100-T5 (2	BACK-BACK	217	3472	33450	0.903	PRV-XL-C100-D-UNV-T5-BZ
	4	C125-T5-2	BACK-BACK	264	2112	39097	0.903	PRV-XL-C125-D-VOLT-T5-BZ
	5	C150-T5	SINGLE	285	1425	44287	0.903	PRV-XL-C150-D-UNV-T5-BZ
	2	C150-T5-2	BACK-BACK	285	1140	44287	0.903	PRV-XL-C150-D-UNV-T5-BZ
	3	C40-T4-HSS	SINGLE	131	393	15518	0.903	PRV-C40-D-UNV-T4-BZ-HSS
	5	C75-T3	SINGLE	176	880	26120	0.903	PRV-XL-C75-D-VOLT-T3-BZ
	9	C75-T4	SINGLE	176	1584	26098	0.903	PRV-XL-C75-D-VOLT-T4-BZ
	3	LWA1	SINGLE	59	177	6505	0.912	GWC-AF-01-LED-VOLT-T3-BZ
	3	LWA2	SINGLE	113	339	12710	0.912	GWC-AF-02-LED-VOLT-T3-BZ
	7	LWB2	SINGLE	113	791	12784	0.912	GWC-AF-02-LED-VOLT-T4FT-BZ
	28	SCV-13	SINGLE	84.3	2360.4	12933	1.000	SCV-LED-13L-SC-50

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CANOPY	Illuminance	Fc	30.56	45.1	11.0	2.78	4.10
PROPERTY LINE	Illuminance	Fc	0.04	0.1	0.0	N.A.	N.A.
BUILDING REAR	Illuminance	Fc	2.21	9.1	0.1	22.10	91.00
CLICK-LIST	Illuminance	Fc	6.66	11.6	3.0	2.22	3.87
ENTRANCE (BOTTOM)	Illuminance	Fc	3.45	6.0	2.3	1.50	2.61
ENTRANCE (RIGHT)	Illuminance	Fc	1.60	3.0	0.7	2.29	4.29
FRONT DRIVE	Illuminance	Fc	4.15	8.2	1.4	2.96	5.86
FUEL CENTER	Illuminance	Fc	4.51	10.7	1.0	4.51	10.70
MAIN PARKING	Illuminance	Fc	4.30	8.8	1.5	2.87	5.87
ROADWAY	Illuminance	Fc	1.96	8.0	0.3	6.53	26.67
SIDE PARKING (LEFT)	Illuminance	Fc	4.34	6.6	1.7	2.55	3.88
SIDE PARKING (RIGHT)	Illuminance	Fc	4.56	8.7	1.5	3.04	5.80



Luminaire Location Summary						
LumNo	Label	X	Y	Z	Orient	Tilt
1	C40-T4-HSS	933.25	1216.25	20	279.293	0
2	C40-T4-HSS	1045.25	1209.75	20	251.98	0
3	C40-T4-HSS	1055.5	1121.25	20	147.995	0
4	C75-T4	925.899	1079.451	20	10.042	0
5	C75-T3	1037.25	1074.5	20	0	0
6	C75-T3	1185.5	1074.25	20	180	0
7	SCV-13	1091.5	1064.5	15	0	0
8	SCV-13	1107.5	1064.5	15	0	0
9	SCV-13	1123.5	1063.5	15	0	0
10	SCV-13	1091.5	1050.5	15	0	0
11	SCV-13	1107.5	1050.5	15	0	0
12	SCV-13	1123.5	1050.5	15	0	0
13	C75-T4	996.75	1045.75	20	149.237	0
14	SCV-13	1091.5	1030.5	15	0	0
15	SCV-13	1107.5	1030.5	15	0	0
16	SCV-13	1123.5	1029.5	15	0	0
17	SCV-13	1091.5	1016.5	15	0	0
18	SCV-13	1107.5	1016.5	15	0	0
19	SCV-13	1123.5	1016.5	15	0	0
20	SCV-13	1091.5	996.5	15	0	0
21	SCV-13	1107.5	996.5	15	0	0
22	SCV-13	1091.5	982.5	15	0	0
23	SCV-13	1107.5	982.5	15	0	0
24	SCV-13	1091.5	962.5	15	0	0
25	SCV-13	1107.5	962.5	15	0	0
26	SCV-13	1123.5	961.5	15	0	0
27	LWA1	699.25	955.75	15	90	0
28	LWA1	772.25	955.25	15	90	0
29	LWA1	625	955	15	90	0
30	SCV-13	1091.5	948.5	15	0	0
31	SCV-13	1107.5	948.5	15	0	0
32	SCV-13	1123.5	948.5	15	0	0
33	C150-T5-2	875.75	943	20	0	0
34	C75-T3	1037.25	931.5	20	0	0
35	LWB2	829.5	929.25	15	0	0
36	SCV-13	1091.5	928.5	15	0	0
37	SCV-13	1107.5	928.5	15	0	0
38	SCV-13	1123.5	927.5	15	0	0
39	C75-T3	1187.25	926.75	20	180	0
40	LWB2	407.75	915.75	15	90	0
41	LWB2	480	915.75	15	90	0
42	LWB2	550	915.75	15	90	0
43	SCV-13	1091.5	914.5	15	0	0
44	SCV-13	1107.5	914.5	15	0	0
45	SCV-13	1123.5	914.5	15	0	0
46	LWA2	367.25	863.25	15	180	0
47	C150-T5	928.25	857.364	20	0	0
48	LWB2	829.5	856.75	15	0	0
49	C75-T3	1079.75	852	20	90	0
50	LWA2	369.25	786	15	180	0
51	LWB2	829.5	786	15	0	0
52	C150-T5-2	873	757	20	0	0
53	LWB2	829.5	717.25	15	0	0
54	LWA2	367.25	708.25	15	180	0
55	C100-T4	927.5	702.614	20	0	0
56	C100-T5 (2)	737.5	610.9	20	90	0
57	C125-T5-2	616.4	607.3	20	90	0
58	C125-T5-2	483	605.8	20	90	0
59	C100-T5 (2)	226.25	586.7	20	90	0
60	C100-T5 (2)	348.25	586.65	20	90	0
61	C100-T5 (2)	860.15	575.9	20	90	0
62	C100-T4	930.25	527.614	20	0	0
63	C150-T5	483.3	510.8	20	90	0
64	C150-T5	348.45	509.65	20	90	0
65	C150-T5	737.6	509.9	20	90	0
66	C150-T5	607.1	509.2	20	90	0
67	C100-T5	226.6	508.55	20	90	0
68	C100-T5	859.95	508.65	20	90	0
69	C125-T5-2	226.1	421.45	20	90	0
70	C125-T5-2	347.95	421.3	20	90	0
71	C100-T5 (2)	607.35	420.35	20	90	0
72	C100-T5 (2)	858.45	418.55	20	90	0
73	C100-T5 (2)	737.85	418.05	20	90	0
74	C100-T5 (2)	483.3	411.95	20	90	0
75	C100-T3	908.205	368.853	20	301.038	0
76	C75-T4	673.08	354.75	20	270	0
77	C75-T4	420.08	353.25	20	270	0
78	C75-T4	175.5	352.25	20	297.553	0
79	C75-T4	104.25	239.75	20	321.532	0
80	C75-T4	172.25	190	20	180	0
81	C75-T4	25.75	167.5	20	306.656	0
82	C75-T4	92.75	41.75	20	96.203	0
Total Quantity: 82						

COOPER Lighting Solutions
Applications Engineering
1121 Highway 74 South
Peachtree City, GA 30269
tel no: 770-486-3966
fax no: 770-486-4599
e-mail: mkt-lightingapplications@eaton.com

COOPER Lighting Solutions

Project Name: KING SOOPERS - FALCON, CO

Client: WENDY NORMAN - EATON

Drawn By: John Cyzycki

Date: 9/22/2020

Scale: 1"=50'

Project No: 1901148R3.AGI

Catalog # : | Project :
Prepared By : | Date :

Scottsdale® Vertex™ - SCV
Petroleum Canopy LED Luminaire

The Scottsdale® Vertex™ is the most feature-rich canopy fixture in the marketplace. Innovations such as combined optical distributions, multiple lumen packages, field serviceability and simple installation make this fixture the ideal canopy solution. Its exceptional design and performance are backed by LSI's best-in-class customer service.

SCOTTSDALE

Dimmable · Wireless Controls · Bluetooth · IP66 · ARRA Funding Compliant · Manufactured in the USA · cULus Listed · Title 24 Compliant · RoHS Compliant · DLC Listed Premium · IDA Dark Sky Approved

Features & Specifications

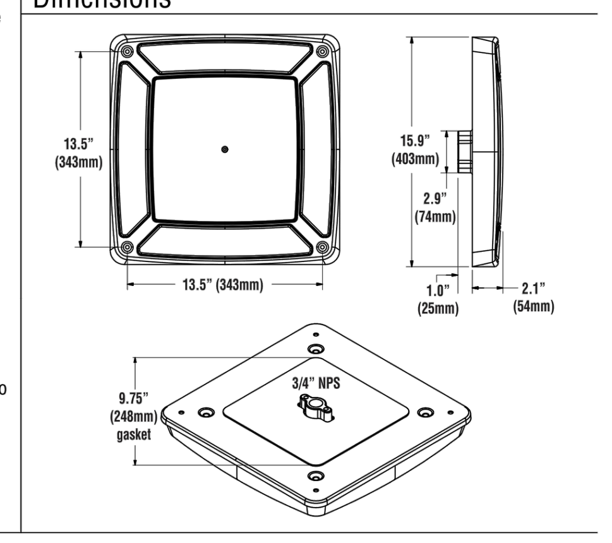
Optical System

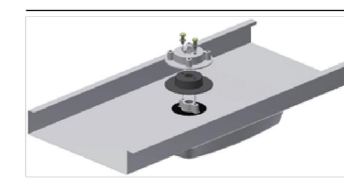
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in Symmetrical or Combination Forward Throw distributions.
- State-of-the-art silicone optics deliver industry leading optical control with an integrated gasket to provide an IP66 rated sealed optical chamber in one component.
- Silicone optical material does not yellow or crack with age and provides a minimum light transmittance of 93%.
- Available in 5000K, 4000K and 3000K (+/- 275K) color temperatures.
- Minimum CRI of 70.

Electrical

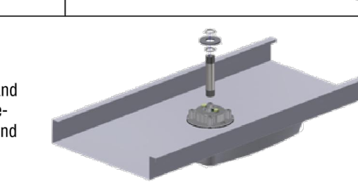
- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours (See Lumen Maintenance on Page 2)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F) when mounted to Steel/Aluminum surfaces for 10L, 13L, & 15L Lumen Packages, +45°C for 20L Lumen Package, and +40°C for 23L Lumen Package. If mounted to a non-metallic surface, reduce ambient by 5°C.
- Power factor: >0.90
- Input power stays constant over life.

Dimensions





Locking Collar
Aluminum locking collar and gasket are included and required for complete seal and support of canopy deck.



Conduit Stem Kit
Threaded 5" x 3/4" Conduit Stem and hardware are included to make retro-fitting even easier by allowing the use of existing driver boxes and wiring connections on top of canopy.

★ Assembled in USA by an American workforce of American and foreign parts using state-of-the-art equipment at our award-winning manufacturing facility in Ohio. Meets Buy American requirements within the ARRA.

 05/14/20

Scottsdale® Vertex™ - SCV
Petroleum Canopy LED Luminaire

Luminaire Ordering Guide

TYPICAL ORDER EXAMPLE: **SCV LED 13L SC UNV DIM 50 WHT IMSBT2**

Family / Size	LED Gen	Lumen Package*	Distribution	Voltage	Driver	Color Temperature	Finish	Controls
SCV - Petroleum Canopy Luminaire	**LED**	**10L** - 10000 Lumens **13L** - 13000 Lumens **15L** - 15000 Lumens **20L** - 20000 Lumens **23L** - 23000 Lumens	**SC** - Standard Symmetric	**UNV** - 120-277V **HV** - 347-480V	**DIM** - Dims to 10% (0 to 10V dimming)	**30** -3000K **40** - 4000K **50** - 5000K	**WHT** - White **BLK** - Black **BRZ** - Bronze Consult factory for additional paint finishes	**Blank** - NONE **ALSC** - AirLink Synapse Wireless Control System[1] **ALSCS** - AirLink Synapse Wireless Control System with Sensor[1] **IMSBT1** - Integral Bluetooth™ Motion and Photocell Sensor 8 - 24' mounting height [2,5] **IMSBT2** - Integral Bluetooth™ Motion and Photocell Sensor 25 - 40' mounting height [2,5]
		23L - 23000 Lumens	**SCFT** - Combination Standard Symmetric and Forward Throw					

Accessory Ordering Information

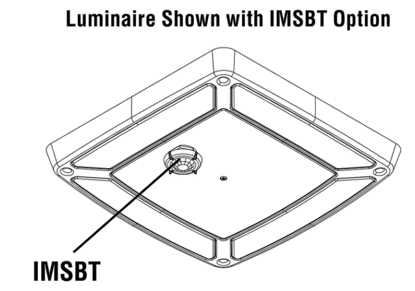
Description	Order Number
Retrofit Panel Kit - EC / ECTA / SCF to SCV, for 16" Deck Panel with larger openings[3]	673425
Retrofit Panel Kit - EC / ECTA / SCF to SCV, for 12" Deck Panel[4]	676011
Retrofit Panel Kit - RECU Richmond to SCV	673426
Retrofit Panel Kit - UNV Universal 2x2 to SCV	673427
Retrofit 2x2 Cover Panel Blank (no holes)	357282
Retrofit RIC Cover Panel Blank (no holes)	354702
26" X 26" Beauty Plate Kit (with 4" Center hole)	557193WHT

Description	Order Number
26" X 32" Beauty Plate Kit (with 4" Center hole)	564160WHT
Junction Box	687461
Kit - Hole Plugs and Sealant (enough for 25 retrofits)	1320540
Rectangular Top Plate Kit (includes top plate and sealant)	678291WHT
Surface Mount Box	673433
Retrofit Kit - CRU/CRUS to SCV	687462

FOOTNOTES:
1 - Consult factory for HV with AirLink Synapse Wireless Control System.
2 - IMSBT is field configurable via the LSI app that can be downloaded from your smartphone's native app store.
3 - Ideal for 9" to 12" openings.
4 - Ideal for 9" openings.
5 - Not available in HV.

Accessories/Options

Luminaire Shown with IMSBT Option



 05/14/20

1 FIXTURE "SCV"
NOT TO SCALE

McGraw-Edison

DESCRIPTION

The Galleon™ wall LED luminaire's appearance is complementary with the Galleon area and site luminaire bringing a modern architectural style to lighting applications. Flexible mounting options accommodate wall surfaces in both an upward and downward configuration. The Galleon family of LED products deliver exceptional performance with patented, high-efficiency AccuLED Optics™, providing uniform and energy conscious lighting for parking lots, building and security lighting applications.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction
Driver enclosure thermally isolated from optics for optimal thermal performance. Heavy wall aluminum housing die-cast with integral external heat sinks to provide superior structural rigidity and an IP66 rated housing. Overall construction passes a 1.5G vibration test to ensure mechanical integrity. UPLIGHTING: Specify with the UPL option for inverted mount uplight housing with additional protections to maintain IP rating.

Optics
Choice of thirteen patented, high-efficiency AccuLED Optics. The optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K, 5000K and 6000K CCT. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 1200mA, 800mA, and 600mA drive currents.

Electrical
LED drivers are mounted for ease of maintenance. 120-277V 50/60Hz, 347V or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Drivers are provided standard with 0-10V dimming. An optional Eaton proprietary surge protection module is available and designed to withstand 10kV of transient line surge. The Galleon Wall LED luminaire is suitable for operation in -30°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Emergency egress options for -20°C ambient environments and occupancy sensor available.

Mounting
Gasketed and zinc plated rigid steel mounting attachment fits directly to 4" j-box or wall with the Galleon Wall "Hook-N-Lock" mechanism for quick installation. Secured with two captive corrosion resistant black oxide coated allen head set screws which are concealed but accessible from bottom of fixture.

Finish
Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

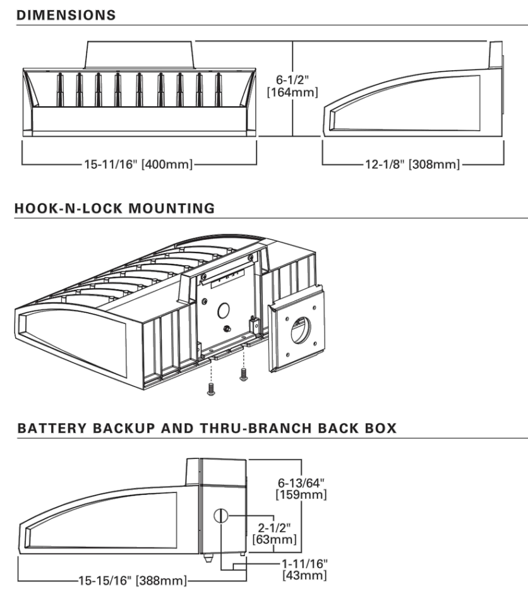
Warranty
Five-year warranty.

GWC GALLEON WALL LUMINAIRE

1-2 Light Squares
Solid State LED

WALL MOUNT LUMINAIRE

DIMENSIONS



HOOK-N-LOCK MOUNTING

BATTERY BACKUP AND THRU-BRANCH BACK BOX

ORDERING INFORMATION (GWC GALLEON WALL LUMINAIRE)

2 FIXTURE "LWA" & "LWB"
NOT TO SCALE

Lumark

DESCRIPTION

The Prevail LED area, site luminaire combines optical performance, energy efficiency and long term reliability in an advanced, patent pending modern design. Utilizing the latest LED technology, the Prevail luminaire delivers unparalleled uniformity resulting in greater pole spacing. A versatile mount standard arm facilitates ease of installation for both retrofit and new installations. With energy savings greater than 85%, the Prevail fixture replaces 150-1,000W metal halide fixtures in general area lighting applications such as parking lots, walkways, roadways and building areas.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction
Construction is comprised of a heavy-duty, single-piece die-cast aluminum housing. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. The die-cast aluminum door is tethered to provide easy access to the driver if replacement is required. A one-piece silicone gasket seals the door to the fixture housing. The optics is mounted on a versatile, aluminum plate that dissipates heat from the LEDs resulting in longer life of the fixture. The fixture is IP66 and vibration rated (ANSI C136.31) to insure strength of construction and longevity in the selected application.

Optics
Precision molded, high efficiency optics are precisely designed to shape the distribution, maximizing efficiency and application spacing. Available in Type II, III, IV and V distributions with lumen packages ranging from 6,100 to 18,900 nominal lumens. Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life. For the ultimate level of spill light control, an optional house side shield accessory can be field or factory installed.

Electrical
LED drivers are mounted to the fixture for optimal heat sinking and ease of maintenance. Class 1 electronic drivers have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Available in 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. 10kV/10 kA surge protection standard. 0-10V dimming driver is standard with leads external to the fixture. Suitable for ambient temperatures from -40°C to 40°C. Optional 50°C HA (high ambient) available. Standard NEMA 3-PIN twistlock photocontrol receptacle and NEMA 7-PIN twistlock photocontrol receptacles are available as options.

Controls
See Control Options section for more details on available offerings.

Mounting
Standard pole mount arm is bolted directly to the pole and the fixture slides onto the arm and locks in place with a bolt facilitating quick and easy installation. The versatile, patented, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the standard mounting arm enables wiring of the fixture without having to access the driver compartment. A knock-out on the standard mounting arm enables round pole mounting. Wall mount and mast arm mounting options are available. Mast arm adapter fits 2-3/8" O.D. tenon.

Finish
Housing and cast parts finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard color is bronze. Additional colors available in white, grey, black, dark platinum and graphite metallic.

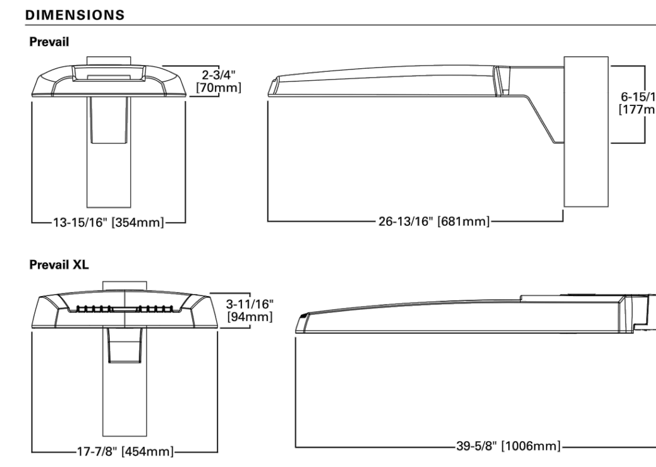
Warranty
Five-year warranty.

PRV / PRV-XL
PREVAIL

LED

AREA / SITE / ROADWAY LUMINAIRE

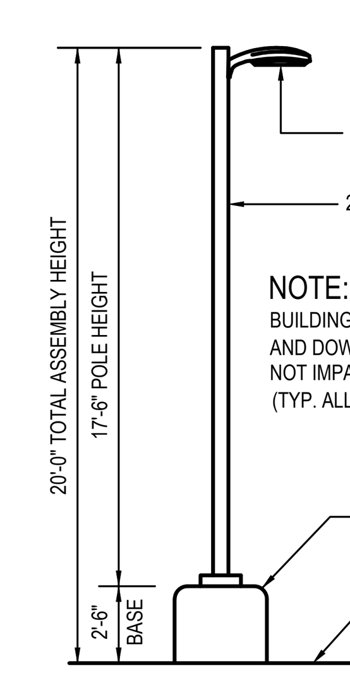
DIMENSIONS



CERTIFICATION DATA

ORDERING INFORMATION (PRV / PRV-XL PREVAIL)

3 FIXTURE "C"
NOT TO SCALE



NOTE: POLE LIGHTS AND BUILDING BUILDING LIGHTS SHALL BE FULL CUT-OFF AND DOWN CAST FIXTURES. LIGHTS SHALL NOT IMPACT ADJACENT PROPERTIES. (TYP. ALL LIGHTS)

4 PREVAIL FIXTURE SINGLE HEAD DETAIL
NOT TO SCALE

Galloway
6162 S. Willow Drive, Suite 320
Greenwood Village, CO 80111
303.770.8884
GallowayUS.com

KING Soopers

King Soopers
Supermarket / Petroleum
65 Tejon Street
Denver, CO 80223
Phone (303) 778-3053
Fax (303) 871-9262

KING SOOPERS #147
FALCON MARKETPLACE
LOTS 2 & 3, BLOCK 1

7530 & 7595 FALCON MARKET PL.
FALCON, CO

#	Date	Issue / Description	Init.
1	12/16/19	2ND SDP Sub.	ACJ
2	03/30/20	3RD SDP Sub.	ACJ
3	05/29/20	4TH SDP Sub.	ACJ
4	10/02/20	5TH SDP Sub.	ACJ

Project No:	KSS000147
Drawn By:	ACJ
Checked By:	JRR
Date:	8/29/19

PHOTOMETRIC DETAILS

C5.1

Lumark

DESCRIPTION

The Prevail LED area, site luminaire combines optical performance, energy efficiency and long term reliability in an advanced, patent pending modern design. Utilizing the latest LED technology, the Prevail luminaire delivers unparalleled uniformity resulting in greater pole spacing. A versatile mount standard arm facilitates ease of installation for both retrofit and new installations. With energy savings greater than 85%, the Prevail fixture replaces 150-1,000W metal halide fixtures in general area lighting applications such as parking lots, walkways, roadways and building areas.

Catalog #		**Type**
Project		
Comments		**Date**
Prepared by		

SPECIFICATION FEATURES

Construction
Construction is comprised of a heavy-duty, single-piece die-cast aluminum housing. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. The die-cast aluminum door is tethered to provide easy access to the driver if replacement is required. A one-piece silicone gasket seals the door to the fixture housing. The optics is mounted on a versatile, aluminum plate that dissipates heat from the LEDs resulting in longer life of the fixture. The fixture is IP66 and vibration rated (ANSI C136.31) to insure strength of construction and longevity in the selected application.

Optics
Precision molded, high efficiency optics are precisely designed to shape the distribution, maximizing efficiency and application spacing. Available in Type II, III, IV and V distributions with lumen packages ranging from 6,100 to 18,900 nominal lumens. Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life. For the ultimate level of spill light control, an optional house side shield accessory can be field or factory installed.

Electrical
LED drivers are mounted to the fixture for optimal heat sinking and ease of maintenance. Class 1 electronic drivers have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Available in 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. 10kV/10 kA surge protection standard. 0-10V dimming driver is standard with leads external to the fixture. Suitable for ambient temperatures from -40°C to 40°C. Optional 50°C HA (high ambient) available. Standard NEMA 3-PIN twistlock photocontrol receptacle and NEMA 7-PIN twistlock photocontrol receptacles are available as options.

Controls
See Control Options section for more details on available offerings.

Mounting
Standard pole mount arm is bolted directly to the pole and the fixture slides onto the arm and locks in place with a bolt facilitating quick and easy installation. The versatile, patented, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the standard mounting arm enables wiring of the fixture without having to access the driver compartment. A knock-out on the standard mounting arm enables round pole mounting. Wall mount and mast arm mounting options are available. Mast arm adapter fits 2-3/8" O.D. tenon.

Finish
Housing and cast parts finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard color is bronze. Additional colors available in white, grey, black, dark platinum and graphite metallic.

Warranty
Five-year warranty.

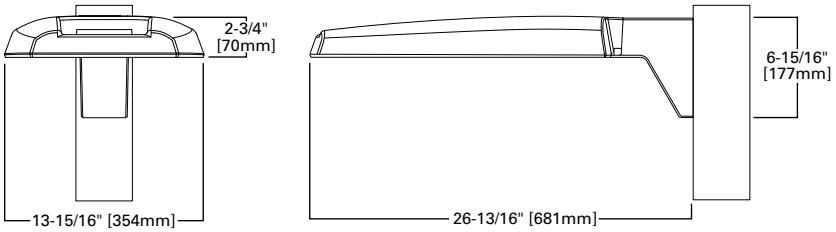
PRV / PRV-XL
PREVAIL

LED

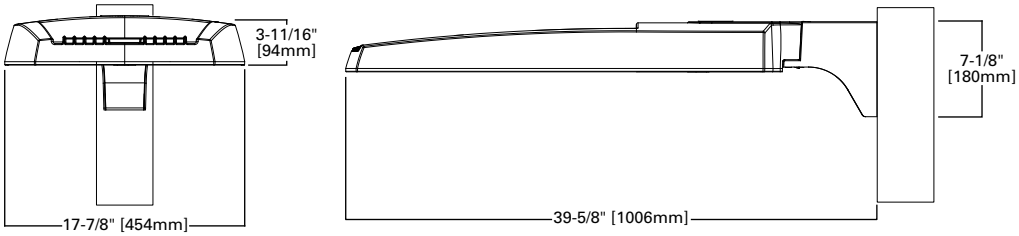
AREA / SITE / ROADWAY LUMINAIRE

DIMENSIONS

Prevail



Prevail XL



CERTIFICATION DATA
UL and cUL Wet Location Listed
DesignLights Consortium® Qualified*
IP66-Rated
3G Vibration Rated (PRV)
1.5G Vibration Rated (PRV-XL)
ISO 9001
FCC Class A

ENERGY DATA
Electronic LED Driver
0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 and 60Hz,
347V/60Hz, 480V/60Hz
-40°C Minimum Temperature Rating
+40°C Ambient Temperature Rating

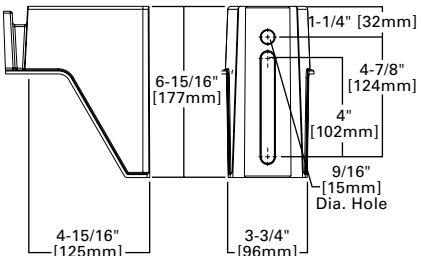
SHIPPING DATA
Approximate Net Weight:
PRV: 20 lbs. (9.09 kgs.)
PRV-XL: 45 lbs. (20.41 kgs.)

LumenSafe Technology CLICK HERE

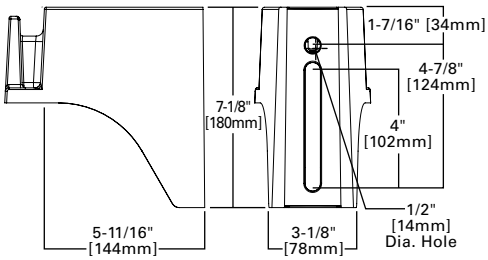
Powering Business Worldwide

*www.designlights.org

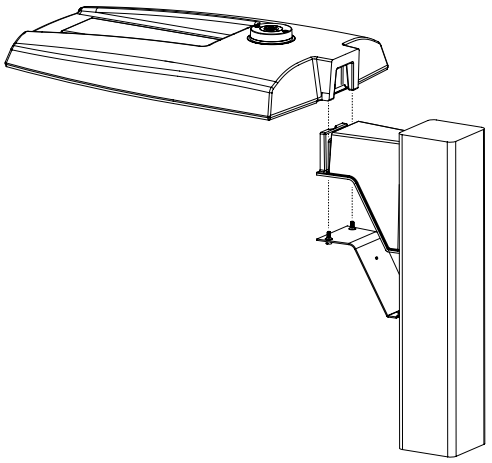
POLE MOUNT ARM (PRV)



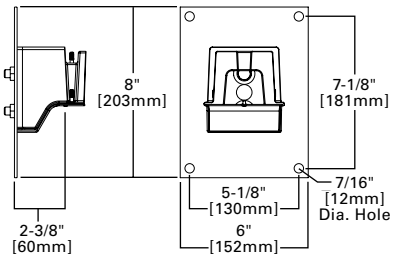
POLE MOUNT ARM (PRV-XL)



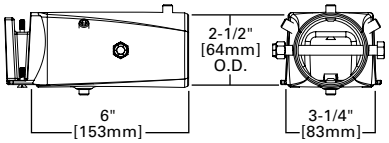
VERSATILE MOUNT SYSTEM



WALL MOUNT (PRV)



MAST ARM MOUNT (PRV)



MOUNTING CONFIGURATIONS AND EPAS

Wall Mount

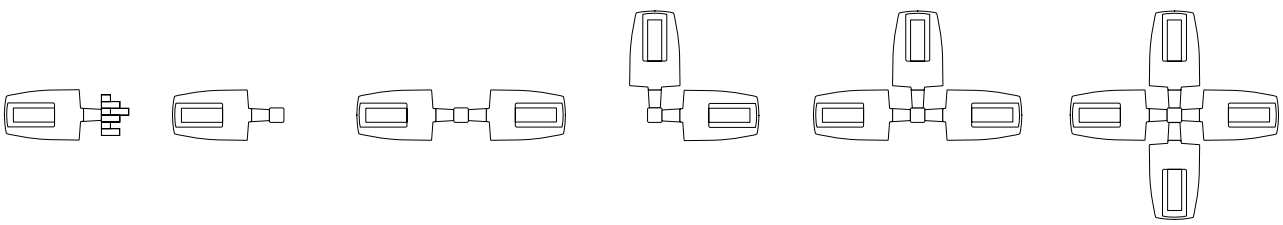
Arm Mount Single
EPA 0.75 (PRV)
EPA 1.12 (PRV-XL)

Arm Mount 2 @ 180°
EPA 1.50 (PRV)
EPA 2.25 (PRV-XL)

Arm Mount 2 @ 90°
EPA 1.50 (PRV)
EPA 2.13 (PRV-XL)

Arm Mount 3 @ 90°
EPA 2.25 (PRV)
EPA 2.52 (PRV-XL)

Arm Mount 4 @ 90°
EPA 3.00 (PRV)
EPA 2.52 (PRV-XL)



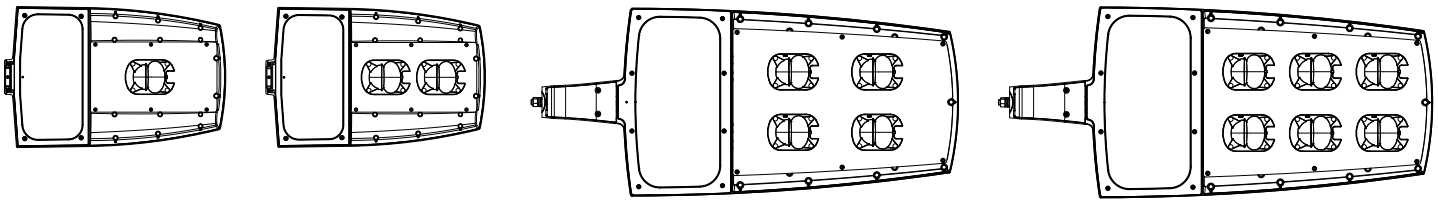
OPTICAL CONFIGURATIONS

PRV-C15
(7,100 Nominal Lumens)

PRV-C25/C40/C60
(13,100/17,100/20,000 Nominal Lumens)

PRV-XL-C75/C100/C125
(26,100/31,000/36,300 Nominal Lumens)

PRV-XL-C150/C175
(41,100/48,600 Nominal Lumens)



POWER AND LUMENS (PRV)

Light Engine		C15	C25	C40	C60
Power (Watts)		52	96	131	153
Input Current @ 120V (A)		0.43	0.80	1.09	1.32
Input Current @ 277V (A)		0.19	0.35	0.48	0.57
Input Current @ 347V (A)		0.17	0.30	0.41	0.48
Input Current @ 487V (A)		0.12	0.22	0.30	0.35
Distribution					
Type II	4000K Lumens	7,123	13,205	17,172	20,083
	BUG Rating	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3
	3000K Lumens	6,994	12,965	16,860	19,718
Type III	4000K Lumens	7,111	13,183	17,144	20,050
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4
	3000K Lumens	6,982	12,944	16,832	19,686
Type IV	4000K Lumens	7,088	13,140	17,087	19,984
	BUG Rating	B1-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5
	3000K Lumens	6,959	12,901	16,777	19,621
Type V	4000K Lumens	7,576	14,045	18,264	21,360
	BUG Rating	B3-U0-G3	B4-U0-G3	B4-U0-G4	B5-U0-G4
	3000K Lumens	7,438	13,790	17,932	20,972

POWER AND LUMENS (PRV-XL)

Light Engine		C75	C100	C125	C150	C175
Power (Watts)		176	217	264	285	346
Input Current @ 120V (A)		1.50	1.84	2.21	2.38	2.92
Input Current @ 277V (A)		0.66	0.82	0.97	1.04	1.25
Input Current @ 347V (A)		0.54	0.66	0.79	0.84	1.02
Input Current @ 487V (A)		0.40	0.48	0.57	0.62	0.74
Distribution						
Type II	4000K Lumens	26,263	31,231	36,503	41,349	48,876
	BUG Rating	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5
	3000K Lumens	25,786	30,664	35,840	40,598	47,989
Type III	4000K Lumens	26,120	31,061	36,304	41,124	48,610
	BUG Rating	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	3000K Lumens	25,646	30,497	35,645	40,377	47,727
Type IV	4000K Lumens	26,098	31,035	36,274	41,089	48,569
	BUG Rating	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	3000K Lumens	25,624	30,471	35,615	40,343	47,687
Type V	4000K Lumens	28,129	33,450	39,097	44,287	52,349
	BUG Rating	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	3000K Lumens	27,618	32,843	38,387	43,483	51,398

LUMEN MAINTENANCE

Configuration	TM-21 Lumen Maintenance (50,000 Hours)	Theoretical L70 (Hours)
Up to PRV-C60 at 25°C	91.30%	194,000
Up to PRV-C60 at 40°C	87.59%	134,000
Up to PRV-XL-C175 at 25°C	91.40%	204,000
Up to PRV-XL-C175 at 40°C	89.41%	158,000

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99

CONTROL OPTIONS

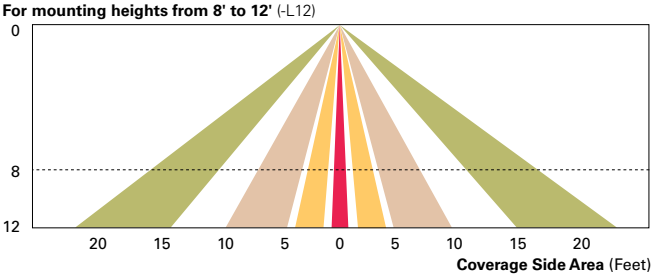
0-10V (D) The dimming option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (PER and PER7) Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

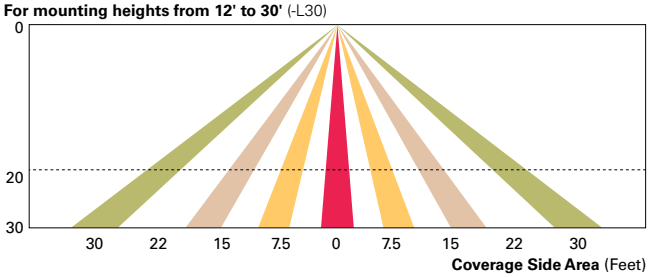
Dimming Occupancy Sensor (MSP and MS) These sensors are factory installed in the luminaire housing. When a sensor for dimming operation (/DIM) option is selected, the luminaire will dim down to approximately 50 percent power after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. When a sensor for ON/OFF operation is selected, the luminaire will turn off after five minutes of no activity.

These occupancy sensors include an integral photocell that can be activated or inactivated with the programming remote / configuration tool for "dusk-to-dawn" control or "daylight harvesting". Note: For MSP sensors, the factory preset is ON (Enabled), and for MS sensors, the factory preset is OFF (Disabled). The programming remote / tool is a wireless tool that can be utilized to change the dimming level, time delay, sensitivity and other parameters. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 8'-40'.

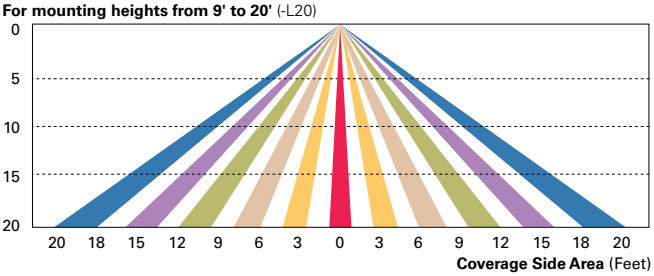
For mounting heights from 8' to 12' (-L12)



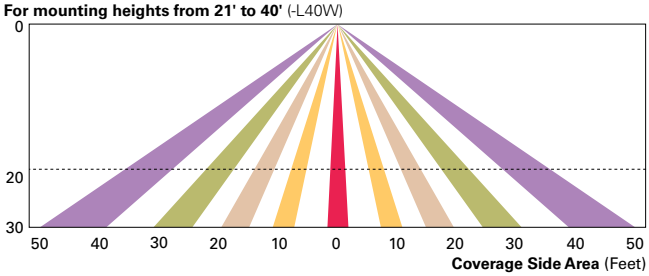
For mounting heights from 12' to 30' (-L30)



For mounting heights from 9' to 20' (-L20)



For mounting heights from 21' to 40' (-L40W)

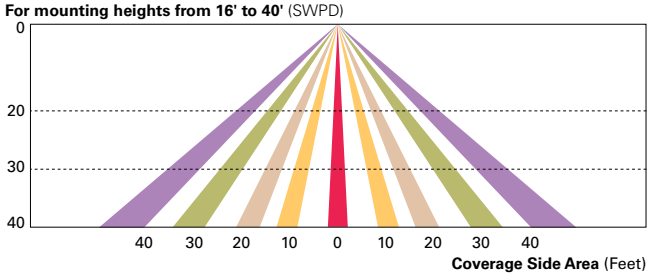


WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. Use the WaveLinx Mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

WaveLinx Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

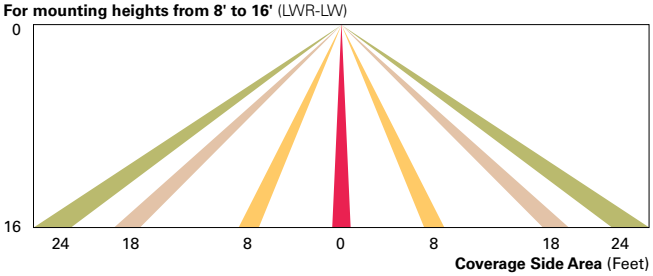
WaveLinx Wireless Sensor (SWPD4 and SWPD5) These outdoor sensors offer passive infrared (PIR) occupancy and a photocell for closed loop daylight sensing. These sensors can be factory installed or field-installed via simple, tool-less integration into luminaires equipped with the Zhaga Book 18 compliant 4-PIN receptacle (ZW). These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or daylight harvesting that is factory-enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.

For mounting heights from 16' to 40' (SWPD)

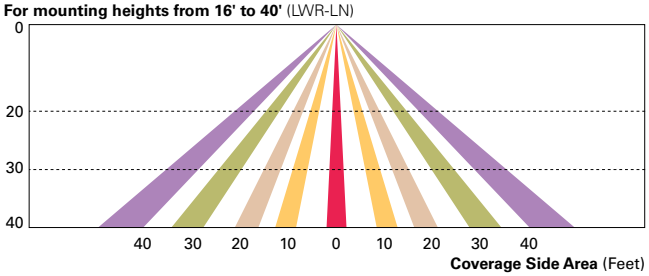


LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN) The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines LED luminaires with an integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of other resources beyond lighting.

For mounting heights from 8' to 16' (LWR-LW)



For mounting heights from 16' to 40' (LWR-LN)



LumenSafe Integrated Network Security Camera (LD) The LumenSafe integrated network camera is a streamlined, outdoor-ready camera that provides high definition video surveillance. This IP camera solution is optimally designed to integrate into virtually any video management system or security software platform of choice. No additional wiring is needed beyond providing line power to the luminaire. LumenSafe features factory-installed power and networking gear in a variety of networking options allowing security integrators to design the optimal solution for active surveillance.

ORDERING INFORMATION

Sample Number: PRV-XL-C75-D-UNV-T4-SA-BZ

Product Family [1, 2]	**Light Engine** [3]	**Driver**	**Voltage**	**Distribution**	**Mounting**	**Color**
PRV=Prevail	**C15**=(1 LED) 7,100 Nominal Lumens **C25**=(2 LEDs) 13,100 Nominal Lumens **C40**=(2 LEDs) 17,100 Nominal Lumens **C60**=(2 LEDs) 20,000 Nominal Lumens	**D**=Dimming (0-10V)	**UNV**=Universal (120-277V) **347**=347V **480**=480V [4]	**T2**=Type II **T3**=Type III **T4**=Type IV **T5**=Type V	**SA**=Standard Versatile Arm **MA**=Mast Arm [5] **WM**=Wall Mount Arm [5]	**AP**=Grey **BZ**=Bronze (Standard) **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White
PRV-XL=Prevail XL	**C75**=(4 LED) 26,100 Nominal Lumens **C100**=(4 LED) 31,000 Nominal Lumens **C125**=(4 LED) 36,000 Nominal Lumens **C150**=(6 LED) 41,100 Nominal Lumens **C175**=(6 LED) 48,600 Nominal Lumens					

Options (Add as Suffix)	**Accessories** (Order Separately) [16]
7030=70 CRI / 3000K CCT [6] **7050**=70 CRI / 5000K CCT [6] **HSS**=House Side Shield [7] **L90**=Optics Rotated 90° Left **R90**=Optics Rotated 90° Right **10K**=10kV/10kA UL 1449 Fused Surge Protective Device **HA**=50°C High Ambient Temperature [8] **PER**=NEMA 3-PIN Twistlock Photocontrol Receptacle **PER7**=NEMA 7-PIN Twistlock Photocontrol Receptacle **MSP/DIM-L12**= Integrated Sensor for Dimming Operation, 8' - 12' Mounting Height [5, 9] **MSP/DIM-L30**= Integrated Sensor for Dimming Operation, 12' - 30' Mounting Height [5, 9] **MSP-L12**= Integrated Sensor ON/OFF Operation, 8' - 12' Mounting Height [5, 9] **MSP-L30**=Integrated Sensor ON/OFF Dimming Operation, 12' - 30' Mounting Height [5, 9] **MS/DIM-L20**=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [9, 10] **MS/DIM-L40W**=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [9, 10] **MS-L20**=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height [9, 10] **MS-L40W**=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height [9, 10] **ZW**=Wavelinx-enabled 4-PIN Twistlock Receptacle [9, 11, 12] **ZW-SWPD4WH**=Wavelinx Wireless Sensor, 7' - 15' Mounting Height, White [9, 11, 12] **ZW-SWPD4BZ**= Wavelinx Wireless Sensor, 7' - 15' Mounting Height, Bronze [9, 11, 12] **ZW-SWPD5WH**=Wavelinx Wireless Sensor, 15' - 40' Mounting Height, White [9, 11, 12] **ZW-SWPD5BZ**=Wavelinx Wireless Sensor, 15' - 40' Mounting Height, Bronze [9, 11, 12] **LWR-LW**=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height [9, 13] **LWR-LN**=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height [9, 13] **(See Table Below)**= LumenSafe Integrated Network Security Camera [14, 15]	**PRVWM-XX**=Wall Mount Kit [5] **PRVMA-XX**=Mast Arm Mounting Kit [5] **PRVSA-XX**=Standard Arm Mounting Kit [5] **PRVXLSA-XX**=Standard Arm Mounting Kit (for Prevail XL) [14] **MA1010-XX**=Single Tenon Adapter for 3-1/2" O.D. Tenon **MA1011-XX**=2@180° Tenon Adapter for 3-1/2" O.D. Tenon **MA1017-XX**=Single Tenon Adapter for 2-3/8" O.D. Tenon **MA1018-XX**=2@180° Tenon Adapter for 2-3/8" O.D. Tenon **HS/VERD**=House Side Shield [7] **VGS-F/B**=Vertical Glare Shield, Front/Back [7] **VGS-SIDE**=Vertical Glare Shield, Side [7] **OA/RA1013**=Photocontrol Shorting Cap **OA/RA1014**=NEMA Photocontrol - 120V **OA/RA1016**=NEMA Photocontrol - Multi-Tap 105-285V **OA/RA1201**=NEMA Photocontrol - 347V **OA/RA1027**=NEMA Photocontrol - 480V **ISHH-01**=Integrated Sensor Programming Remote [17] **FSIR-100**=Wireless Configuration Tool for Occupancy Sensor [18] **SWPD4-WH**=WaveLinx Wireless Sensor, 7' - 15' Mounting Height, White [12, 19] **SWPD4-BZ**=WaveLinx Wireless Sensor, 7' - 15' Mounting Height, Bronze [12, 19] **SWPD5-WH**=WaveLinx Wireless Sensor, 15' - 40' Mounting Height, White [12, 19] **SWPD5-BZ**=WaveLinx Wireless Sensor, 15' - 40' Mounting Height, Bronze [12, 19] **WOLC-7P-10A**=WaveLinx Outdoor Control Module (7-PIN) [20]

NOTES:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications. Refer to installation instructions and pole white paper WP513001EN for additional support information.
3. Standard 4000K CCT and 70CRI.
4. Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
5. Only available in PRV configurations C15, C25, C40 or C60.
6. Use dedicated IES files on product website for non-standard CCTs.
7. Option will come factory-installed. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 4, or 6). House Side Shield not suitable with T5 distribution or C60 lumen package.
8. Not available with C60 lumen package.
9. Controls system is not available with photocontrol receptacle (PER or PER7) or other controls systems (MS, MSP, ZW or LWR).
10. Utilizes the Wattstopper sensor FSP-211.
11. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
12. In order for the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more Wavelinx application information.
13. LumaWatt Pro wireless sensors are factory installed and require network components LWP-EM-1, LWP-GW-1, and LWP-PoE8 in appropriate quantities. See website for LumaWatt Pro application information.
14. Only available in PRV-XL configurations C75, C100, C125, C150, or C175.
15. Not available with 347V, 480V, or HA options. Consult LumenSafe system product pages for additional details and compatability information.
16. Replace XX with paint color.
17. This tool enables adjustment to Integrated Sensor (MSP) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
18. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
19. Requires Wavelinx-enabled 4-PIN twistlock receptacle (ZW) option.
20. Requires 7-PIN NEMA twistlock photocontrol receptacle (PER7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS, MSP, ZW or LWR).

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	**Camera Type**	**Data Backhaul**
L=LumenSafe Technology 	**D**=Dome Camera	**C**=Cellular, Customer Installed SIM Card **A**=Cellular, Factory Installed AT&T SIM Card **V**=Cellular, Factory Installed Verizon SIM Card **S**=Cellular, Factory Installed Sprint SIM Card **E**=Ethernet Networking

STOCK ORDERING INFORMATION

Product Family [1]	**Light Engine**	**Voltage**	**Distribution**	**Options** (Add as Suffix)
PRVS=Prevail	**C15**=(1 LED) 7,100 Nominal Lumens **C25**=(2 LEDs) 13,100 Nominal Lumens **C40**=(2 LEDs) 17,100 Nominal Lumens **C60**=(2 LEDs) 20,000 Nominal Lumens	**UNV**=Universal (120-277V) **347**=347V [2]	**T3**=Type III **T4**=Type IV	**MSP/DIM-L30**=Integrated Sensor for Dimming Operation, Maximum 30' Mounting Height [2]
PRVS-XL=Prevail	**C75**=(4 LEDs) 26,100 Nominal Lumens **C100**=(4 LEDs) 31,000 Nominal Lumens **C125**=(4 LEDs) 36,000 Nominal Lumens **C150**=(6 LEDs) 41,100 Nominal Lumens **C175**=(6 LEDs) 48,600 Nominal Lumens			

NOTES: 1. All stock configurations are standard 4000K/70CRI, bronze finish, and include the standard versatile mounting arm. **2.** Only available in PRVS configurations C15, C25, C40 or C60.

McGraw-Edison

DESCRIPTION

The Galleon™ wall LED luminaire's appearance is complementary with the Galleon area and site luminaire bringing a modern architectural style to lighting applications. Flexible mounting options accommodate wall surfaces in both an upward and downward configuration. The Galleon family of LED products deliver exceptional performance with patented, high-efficiency AccuLED Optics™, providing uniform and energy conscious lighting for parking lots, building and security lighting applications.

Catalog #		**Type**
Project		
Comments		**Date**
Prepared by		

SPECIFICATION FEATURES

Construction
Driver enclosure thermally isolated from optics for optimal thermal performance. Heavy wall aluminum housing die-cast with integral external heat sinks to provide superior structural rigidity and an IP66 rated housing. Overall construction passes a 1.5G vibration test to ensure mechanical integrity. UPLIGHTING: Specify with the UPL option for inverted mount uplight housing with additional protections to maintain IP rating.

Optics
Choice of thirteen patented, high-efficiency AccuLED Optics. The optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K, 5000K and 6000K CCT. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 1200mA, 800mA, and 600mA drive currents.

Electrical
LED drivers are mounted for ease of maintenance. 120-277V 50/60Hz, 347V or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Drivers are provided standard with 0-10V dimming. An optional Eaton proprietary surge protection module is available and designed to withstand 10kV of transient line surge. The Galleon Wall LED luminaire is suitable for operation in -30°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Emergency egress options for -20°C ambient environments and occupancy sensor available.

Mounting
Gasketed and zinc plated rigid steel mounting attachment fits directly to 4" j-box or wall with the Galleon Wall "Hook-N-Lock" mechanism for quick installation. Secured with two captive corrosion resistant black oxide coated allen head set screws which are concealed but accessible from bottom of fixture.

Finish
Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

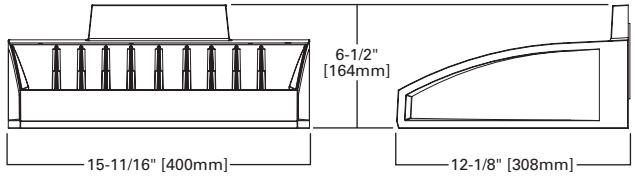
Warranty
Five-year warranty.

GWC GALLEON WALL LUMINAIRE

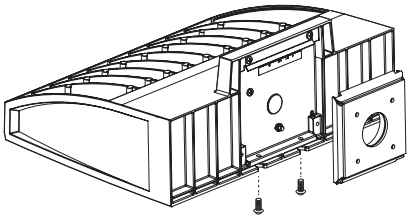
1-2 Light Squares
Solid State LED

WALL MOUNT LUMINAIRE

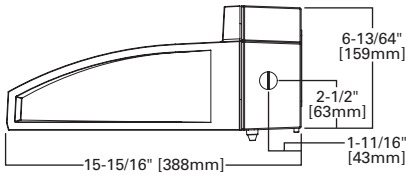
DIMENSIONS



HOOK-N-LOCK MOUNTING



BATTERY BACKUP AND THRU-BRANCH BACK BOX



CERTIFICATION DATA

UL/cUL Listed
LM79 / LM80 Compliant
IP66 Housing
ISO 9001
DesignLights Consortium® Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz, 480V/60Hz
-30°C Minimum Temperature
40°C Ambient Temperature Rating

SHIPPING DATA

Approximate Net Weight:
27 lbs. (12.2 kgs.)

Powering Business Worldwide

*www.designlights.org

POWER AND LUMENS

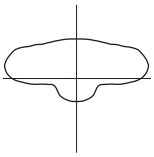
Number of Light Squares		1				2			
Drive Current		600mA	800mA	1.0A	1.2A	600mA	800mA	1.0A	1.2A
Nominal Power (Watts)		34	44	59	67	66	85	113	129
Input Current @ 120V (A)		0.30	0.39	0.51	0.58	0.58	0.77	1.02	1.16
Input Current @ 208V (A)		0.17	0.22	0.29	0.33	0.34	0.44	0.56	0.63
Input Current @ 240V (A)		0.15	0.19	0.26	0.29	0.30	0.38	0.48	0.55
Input Current @ 277V (A)		0.14	0.17	0.23	0.25	0.28	0.36	0.42	0.48
Input Current @ 347V (mA)		0.11	0.15	0.17	0.20	0.19	0.24	0.32	0.39
Input Current @ 480V (mA)		0.08	0.11	0.14	0.15	0.15	0.18	0.24	0.30
Optics									
T2	4000K/5000K Lumens	4,110	5,040	6,238	6,843	8,031	9,849	12,190	13,373
	3000K Lumens	3,638	4,461	5,522	6,057	7,109	8,718	10,791	11,838
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
T3	4000K/5000K Lumens	4,189	5,138	6,359	6,975	8,187	10,039	12,425	13,630
	3000K Lumens	3,708	4,548	5,629	6,174	7,247	8,887	10,999	12,065
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
T4FT	4000K/5000K Lumens	4,214	5,167	6,395	7,016	8,233	10,097	12,497	13,709
	3000K Lumens	3,730	4,574	5,661	6,211	7,288	8,938	11,062	12,135
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3
T4W	4000K/5000K Lumens	4,159	5,100	6,313	6,925	8,127	9,966	12,336	13,532
	3000K Lumens	3,682	4,515	5,588	6,130	7,194	8,822	10,920	11,979
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
SL2	4000K/5000K Lumens	4,102	5,032	6,227	6,831	8,018	9,832	12,170	13,350
	3000K Lumens	3,631	4,454	5,512	6,047	7,098	8,703	10,773	11,817
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
SL3	4000K/5000K Lumens	4,188	5,137	6,358	6,974	8,186	10,038	12,424	13,628
	3000K Lumens	3,707	4,547	5,628	6,173	7,246	8,886	10,998	12,064
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3
SL4	4000K/5000K Lumens	3,980	4,880	6,040	6,626	7,776	9,537	11,803	12,949
	3000K Lumens	3,523	4,320	5,347	5,865	6,883	8,442	10,448	11,462
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3
5NQ	4000K/5000K Lumens	4,321	5,298	6,558	7,193	8,443	10,353	12,814	14,057
	3000K Lumens	3,825	4,690	5,805	6,367	7,474	9,164	11,343	12,443
	BUG Rating	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2
5MQ	4000K/5000K Lumens	4,400	5,396	6,678	7,326	8,598	10,544	13,050	14,315
	3000K Lumens	3,895	4,777	5,911	6,485	7,611	9,334	11,552	12,672
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
5WQ	4000K/5000K Lumens	4,412	5,410	6,695	7,345	8,621	10,572	13,085	14,354
	3000K Lumens	3,906	4,789	5,926	6,502	7,631	9,358	11,583	12,706
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
SLL/SLR	4000K/5000K Lumens	3,681	4,515	5,588	6,129	7,193	8,821	10,917	11,976
	3000K Lumens	3,258	3,997	4,946	5,425	6,367	7,808	9,664	10,601
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3
RW	4000K/5000K Lumens	4,281	5,250	6,498	7,129	8,366	10,259	12,698	13,930
	3000K Lumens	3,790	4,647	5,752	6,311	7,406	9,081	11,240	12,331
	BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2

* Nominal lumen data for 70 CRI. BUG rating for 4000K/5000K. Refer to IES files for 3000K BUG ratings.

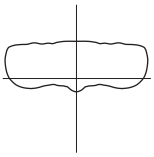
OPTICAL DISTRIBUTIONS

Asymmetric Area Distributions

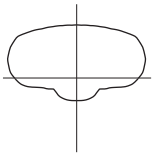
T2
(Type II)



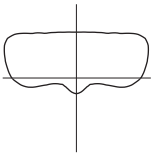
SL2
(Type II with Spill Control)



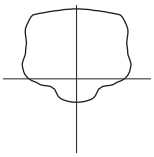
T3
(Type III)



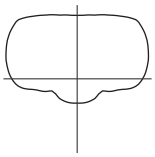
SL3
(Type III with Spill Control)



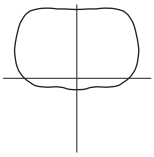
T4FT
(Type IV Forward Throw)



T4W
(Type IV Wide)

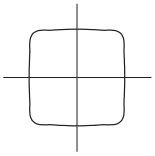


SL4
(Type IV with Spill Control)

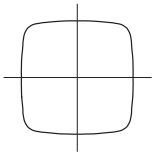


Symmertric Distributions

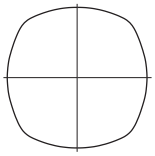
5NQ
(Type V Square Narrow)



5MQ
(Type V Square Medium)

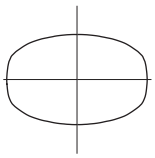


5WQ
(Type V Square Wide)

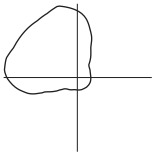


Specialized Distributions

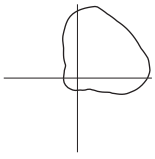
RW
(Rectangular Wide Type I)



SLL
(90° Spill Light Eliminator Left)

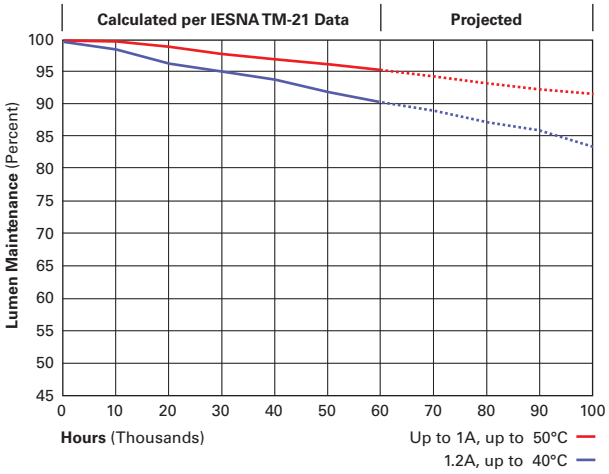


SLR
(90° Spill Light Eliminator Right)



LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	> 416,000
1.2A	Up to 40°C	> 90%	> 205,000



LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

CONTROL OPTIONS

0-10V
This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

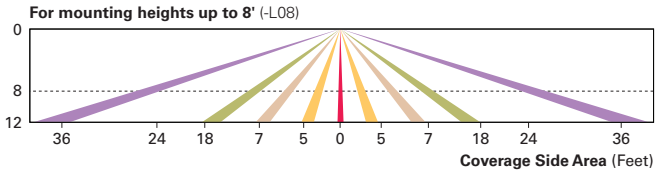
Photocontrol (P, R and PER7)
Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

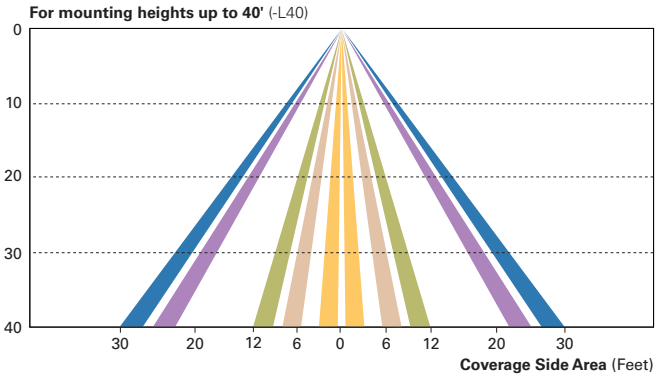
After Hours Dim (AHD)
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

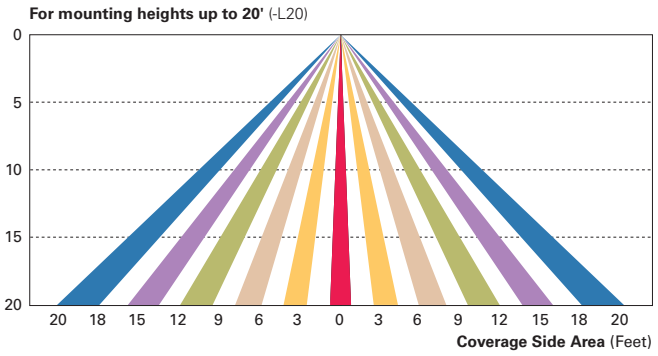
Dimming Occupancy Sensor (MS/DIM-LXX and MS-LXX)
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

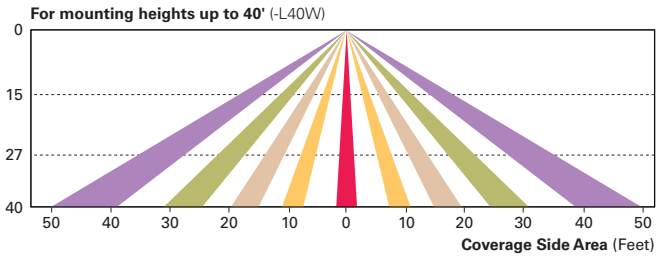
These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters.

A variety of sensor lens are available to optimize the coverage pattern for mounting heights from 8'-40'.



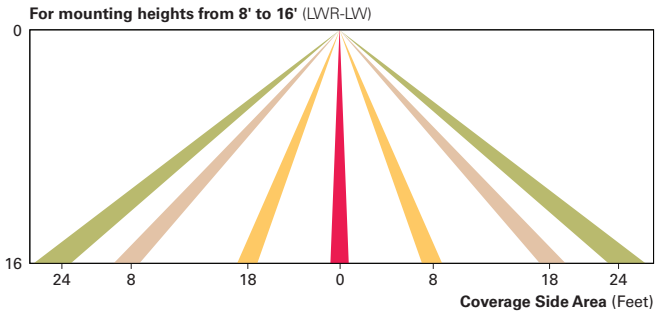


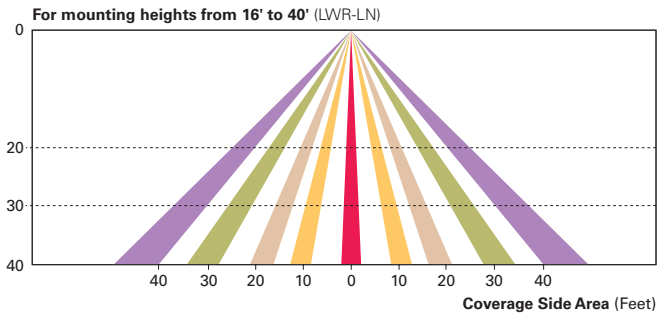




LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)
The LumaWatt Pro system is a peer-to-peer wireless network of luminaire-integral sensors for any sized project. Each sensor is capable of motion and photo sensing, metering power consumption and wireless communication. The end-user can securely create and manage sensor profiles with browser-based management software. The software will automatically broadcast to the sensors via wireless gateways for zone-based and individual luminaire control. The LumaWatt Pro software provides smart building solutions by utilizing the sensor to provide easy-to-use dashboard and analytic capabilities such as improved energy savings, traffic flow analysis, building management software integration and more.

For additional details, refer to the LumaWatt Pro product guides.





ORDERING INFORMATION

Sample Number: GWC-AF-02-LED-E1-T3-GM

Product Family [1]	Light Engine	Number of Light Squares [2]	Lamp Type	Voltage	Distribution	Color	Mounting Options
GWC=Galleon Wall	**AF**=1A Drive Current	**01**=1 **02**=2 [3]	**LED**=Solid State Light Emitting Diodes	**E1**=120-277V **347**=347V [4] **480**=480V [4, 5]	**T2**=Type II **T3**=Type III **T4FT**=Type IV Forward Throw **T4W**=Type IV Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right **RW**=Rectangular Wide Type I **5NQ**=Type V Square Narrow **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White **CC**=Custom Color [6]	**[BLANK]**=Surface Mount

Options (Add as Suffix)

7030=70 CRI / 3000K [7]
8030=80 CRI / 3000K [7]
7050=70 CRI / 5000K [7]
7060=70 CRI / 6000K [7]
600=Drive Current Factory Set to 600mA
800=Drive Current Factory Set to 800mA
1200=Drive Current Factory Set to 1200mA [8]
F=Single Fused (120, 277 or 347V. Must Specify Voltage)
FF=Double Fused (208, 240 or 480V. Must Specify Voltage)
10K=10kV Surge Module
DIM=0-10V Dimming Leads [9, 10]
DALI=DALI Driver [11]
HA=50°C High Ambient [12]
UPL=Uplight Housing [13]
BBB=Battery Pack with Back Box [3, 8, 9, 14, 15]
CWB=Cold Weather Battery Pack with Back Box [3, 8, 9, 14, 15]
P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage)
R=NEMA Twistlock Photocontrol Receptacle
PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle [16]
AHD145=After Hours Dim, 5 Hours [17]
AHD245=After Hours Dim, 6 Hours [17]
AHD255=After Hours Dim, 7 Hours [17]
AHD355=After Hours Dim, 8 Hours [17]
MS-LXX=Motion Sensor for On/Off Operation [18, 19, 20]
MS/DIM-LXX=Motion Sensor for Dimming Operation [18, 19, 20]
LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height [20, 21, 22]
LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 20' Mounting Height [20, 21, 22]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
MT=Factory Installed Mesh Top
LCF=Light Square Trim Plate Painted to Match Housing [23]
HSS=Factory Installed House Side Shield [24]
CE=CE Marking and Small Terminal Block [25]

Accessories (Order Separately)

OA/RA1013=Photocontrol Shorting Cap
OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1027=NEMA Photocontrol - 480V
MA1252=10kV Circuit Module Replacement
MA1059XX=Thru-branch Back Box (Must Specify Color)
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [18]
LS/HSS=Field Installed House Side Shield [24, 26]

NOTES:
1. DesignLight Consortium® Qualied. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Standard 4000K CCT and minimum 70 CRI.
3. Two light squares with BBB or CWB options limited to 25°C, 120/277V only.
4. Requires the use of a step down transformer. Not available in combination with sensor options at 1200mA.
5. Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
6. Custom colors are available. Setup charges apply. Paint chip samples required. Extended Lead times apply.
7. Extended lead times apply. Use dedicated IES files when performing layouts.
8. Not available with HA option.
9. Cannot be used with other control options.
10. Low voltage control lead brought out 18" outside fixture.
11. Only availble with BBB or CWB in single light square. HA option available for single light square only. Limited to 1A and below.
12. Not available with 1200, UPL, BBB and CWB options. Available for single light square only.
13. Not available with SL2, SL3, SL4, HA, BBB, CWB, R, or PER7 options.
14. Operates a single light square only. Cold weather option operates -20°C to +40°C, standard 0°C to +40°C. Backbox is non-IP rated.
15. Switched / unswitched option standard for 120/277V only.
16. Compatible with standard 3-PIN photocontrols, 5-PIN or 7-PIN ANSI controls.
17. Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
18. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
19. Replace LXX with mounting height in feet for proper lens selection (e.g., L8=8' mounting height). L8, L20, L40, and L40W are available options.
20. Includes integral photosensor.
21. LumaWatt Pro wireless sensors are factory installed requiring network components in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information.
22. Bronze sensor is shipped with Bronze fixtures. White sensor shipped on all other housing color options.
23. Not available with HSS option.
24. Only for use with SL2, SL3 and SL4 distributions. The light square trim plate is painted black when the HSS option is selected.
25. CE is not available with the 1200, DALI, LWR, MS, MS/DIM, P, R or PER7 options. Available in 120-277V only.
26. One required for each light square.

Catalog # :	Project :
Prepared By :	Date :

Scottsdale® Vertex™ - SCV Petroleum Canopy LED Luminaire

The Scottsdale® Vertex™ is the most feature-rich canopy fixture in the marketplace. Innovations such as combined optical distributions, multiple lumen packages, field serviceability and simple installation make this fixture the ideal canopy solution. Its exceptional design and performance are backed by LSI's best-in-class customer service.

SCOTTSDALE

Dimmable · WIRELESS CONTROLS · Bluetooth · IP66 · ARRA Funding Compliant

MANUFACTURED IN THE USA · c UL us LISTED · TITLE 24 COMPLIANT · RoHS COMPLIANT · DLC QPL LISTED PREMIUM · ida DARK SKY APPROVED

Features & Specifications

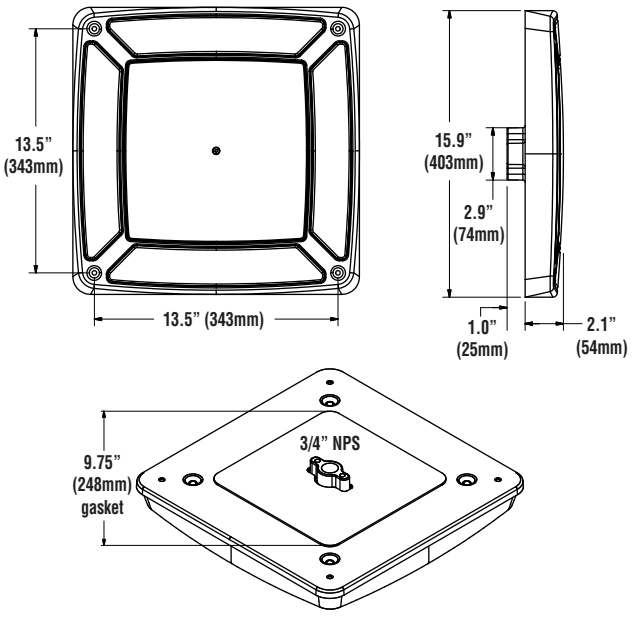
Optical System

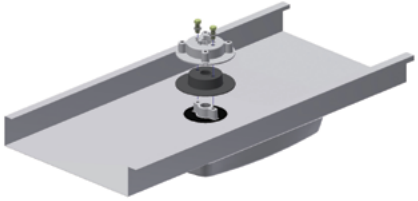
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in Symmetrical or Combination Forward Throw distributions.
- State-of-the-art silicone optics deliver industry leading optical control with an integrated gasket to provide an IP66 rated sealed optical chamber in one component.
- Silicone optical material does not yellow or crack with age and provides a minimum light transmittance of 93%.
- Available in 5000K, 4000K and 3000K (+/- 275K) color temperatures.
- Minimum CRI of 70.

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 2)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F) when mounted to Steel/Aluminum surfaces for 10L, 13L, & 15L Lumen Packages, +45°C for 20L Lumen Package, and +40°C for 23L Lumen Package. If mounted to a non-metallic surface, reduce ambient by 5°C.
- Power factor: >0.90
- Input power stays constant over life.

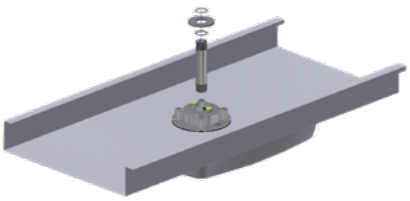
Dimensions





Locking Collar

Aluminum locking collar and gasket are included and required for complete seal and support of canopy deck.



Conduit Stem Kit

Threaded 5" x 3/4" Conduit Stem and hardware are included to make retrofitting even easier by allowing the use of existing driver boxes and wiring connections on top of canopy.

★ Assembled in USA by an American workforce of American and foreign parts using state-of-the-art equipment at our award-winning manufacturing facility in Ohio. Meets Buy American requirements within the ARRA.

Features & Specifications (Cont.)

Electrical (continued)
- Field replaceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs are mounted to (4) circuit boards to maximize heat dissipation
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards.
- A single fastener secures access door to driver and key components and provides quick & easy access to the electrical compartment for servicing.

Construction
- Rugged low-profile die-cast aluminum housing, optical unit, and driver cover.
- Ultra-slim 2" luminaire height and lightweight design effectively target a broad range of applications and allow for easy installations.
- Below canopy access to optical chamber and driver housing for serviceability.
- IP66 rated optical unit protects integral components from dust and powerful water jets from any direction. The housing is IP54 rated, providing protection against splashing water and limited dust intrusion.
- Luminaire is proudly manufactured in the U.S. of U.S. and imported parts.
- 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: 15 lbs in carton.

Hazardous Location
- Designed for lighter than air fuel applications. Product is suitable for Class 1 Division 2 with all lumen packages and distributions only when properly installed per LSI installation instructions. Models with optional controls are not approved for Class 1, Division 2 applications.
  T5 Temperature Classification – The surface temperature of this product will not rise above 100°C., within a 40°C ambient.
  Gas Groups A,B,C, and D – Group A: Acetylene / Group B: Hydrogen / Group C: Propane and Ethylene / Group D: Benzene, Butane, Methane & Propane.

Controls
- Optional integral passive infrared motion and photocell sensor activates switching of luminaire light levels (see the controls section for more details).
- LSI's AirLink™ wireless control system options reduce energy and maintenance costs while optimizing light quality 24/7 (see page 8 for details).

Stand-Alone Controls

a. Integral Passive Infrared Bluetooth™ Motion Sensor (IMSBT)
  - Switches luminaire light levels based on motion and daylight (see the controls section for more details)
  - Fixtures operate independently and can be commissioned via iOS or Android configuration app

Installation
- Installs in a 12" or 16" deck pan.
- Four fasteners are provided with the fixture for using deck, metallic canopy substrates only when classified as suitable for use by installing professional otherwise suitable fasteners should be provided by others.
- Unit is designed to quickly retrofit into existing Scottsdale (4") hole.
- Aluminum locking collar and gasket are included and required for complete seal and support of canopy deck.
- Retrofit panels are available for existing Encores, Richmond, 2x2 Universal, and more (see accessories on page 3).

Warranty
- LSI LED Fixtures carry a 5-year warranty or 10-year warranty with registration for petroleum applications only (contact your LSI representative for details).

Listings
- Listed to UL 1598 and UL 8750.
- RoHS Compliant.
- State of California Title 24 Compliant with IMSBT or ALSC/ALSCS option.
- American Recovery and Reinvestment Act Funding Compliant.
- IP66 Rated Optical Unit per IEC 60598.
- 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.

Scottsdale® Vertex™ - SCV
Petroleum Canopy LED Luminaire

Performance

DELIVERED LUMENS

Drive Current	3000K CCT			4000K CCT			4000K CCT			Wattage
	Delivered Lumens	Efficiency	BUG Ratings	Delivered Lumens	Efficiency	BUG Ratings	Delivered Lumens	Efficiency	BUG Ratings	
10L	8723	132	B3-U0-G1	10218	156	B3-U0-G1	10306	156	B3-U0-G1	66
13L	10921	130	B3-U0-G1	12793	153	B3-U0-G1	12933	153	B3-U0-G1	84
15L	12984	125	B3-U0-G1	15209	150	B3-U0-G1	15411	150	B3-U0-G1	103
20L	17145	132	B3-U0-G1	20083	153	B4-U0-G2	20141	155	B4-U0-G2	130
23L	19338	126	B4-U0-G2	22652	149	B4-U0-G2	23150	152	B4-U0-G2	153
23L (SCFT)	22778	119	B3-U0-G3	24581	128	B4-U0-G3	24361	127	B3-U0-G3	192

*LED Chips are frequently updated therefore values are nominal.

ELECTRICAL DATA*

Lumen Level	120V	208V	240V	277V	347V	480V
10L	0.55	0.32	0.28	0.24	0.19	0.14
13L	0.70	0.41	0.35	0.30	0.24	0.18
15L	0.86	0.50	0.43	0.37	0.30	0.21
20L	1.09	0.63	0.54	0.47	0.38	0.27
23L (SC)	1.27	0.73	0.64	0.55	0.44	0.32
23L (SCFT)	1.60	0.92	0.80	0.69	0.55	0.40

*Electrical data at 25°C (77°F)

SC DISTRIBUTION RECOMMENDED LUMEN MAINTENANCE[1]

Ambient Temperature C	Lumen Multiplier				
	0 hrs.[2]	25K hrs.[2]	50K hrs.[2]	75K hrs.[2]	100K hrs.[2]
25	1.00	0.96	0.92	0.88	0.84
30	1.00	0.96	0.91	0.87	0.83
35	1.00	0.96	0.91	0.87	0.83
40	1.00	0.96	0.91	0.87	0.83
45	1.00	0.96	0.91	0.87	0.82

SCFT DISTRIBUTION RECOMMENDED LUMEN MAINTENANCE[1]

Ambient Temperature C	Lumen Multiplier				
	0 hrs.[2]	25K hrs.[2]	50K hrs.[2]	75K hrs.[2]	100K hrs.[2]
25	1.00	1.00	1.00	0.99	0.99
30	1.00	1.00	0.99	0.99	0.99
35	1.00	1.00	0.99	0.99	0.99
40	1.00	1.00	0.99	0.99	0.99

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 ((DUT) i.e. the packaged LED chip).
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 ((DUT) i.e. the packaged LED chip).

Scottsdale® Vertex™ - SCV
Petroleum Canopy LED Luminaire

Luminaire Ordering Guide

TYPICAL ORDER EXAMPLE: **SCV LED 13L SC UNV DIM 50 WHT IMSBT2**

Family / Size	LED Gen	Lumen Package*	Distribution	Voltage	Driver	Color Temperature	Finish	Controls
SCV - Petroleum Canopy Luminaire	**LED**	**10L** - 10000 Lumens **13L** - 13000 Lumens **15L** - 15000 Lumens **20L** - 20000 Lumens **23L** - 23000 Lumens	**SC** - Standard Symmetric	**UNV** - 120-277V **HV** - 347-480V	**DIM** - Dims to 10% (0 to 10V dimming)	**30** -3000K **40** - 4000K **50** - 5000K	**WHT** - White **BLK** - Black **BRZ** - Bronze Consult factory for additional paint finishes	**Blank** - NONE **ALSC** - AirLink Synapse Wireless Control System[1] **ALSCS** - AirLink Synapse Wireless Control System with Sensor[1] **IMSBT1** - Integral Bluetooth™ Motion and Photocell Sensor 8 - 24' mounting height [2, 5] **IMSBT2** - Integral Bluetooth™ Motion and Photocell Sensor 25 - 40' mounting height [2, 5]
		23L - 23000 Lumens	**SCFT** - Combination Standard Symmetric and Forward Throw					

Accessory Ordering Information

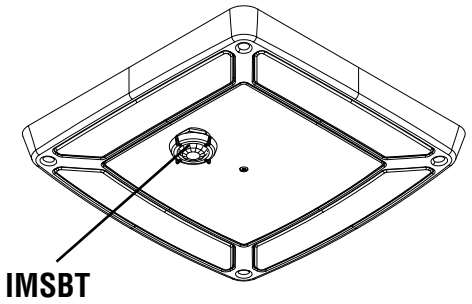
Description	Order Number
Retrofit Panel Kit - EC / ECTA / SCF to SCV, for 16" Deck Panel with larger openings[3]	673425
Retrofit Panel Kit - EC / ECTA / SCF to SCV, for 12" Deck Panel[4]	676011
Retrofit Panel Kit - RECU Richmond to SCV	673426
Retrofit Panel Kit - UNV Universal 2x2 to SCV	673427
Retrofit 2x2 Cover Panel Blank (no holes)	357282
Retrofit RIC Cover Panel Blank (no holes)	354702
26" X 26" Beauty Plate Kit (with 4" Center hole)	557193WHT

Description	Order Number
26" X 32" Beauty Plate Kit (with 4" Center hole)	564160WHT
Junction Box	687461
Kit - Hole Plugs and Sealant (enough for 25 retrofits)	1320540
Rectangular Top Plate Kit (includes top plate and sealant)	678291WHT
Surface Mount Box	673433
Retrofit Kit - CRU/CRUS to SCV	687462

FOOTNOTES:
1 - Consult factory for HV with AirLink Synapse Wireless Control System.
2 - IMSBT is field configurable via the LSI app that can be downloaded from your smartphone's native app store.
3 - Ideal for 9" to 12" openings.
4 - Ideal for 9" openings.
5 - Not available in HV.

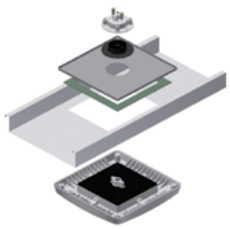
Accessories/Options

Luminaire Shown with IMSBT Option



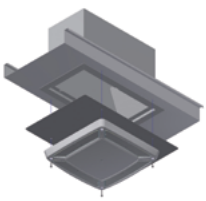
Retrofit Ordering Information

To Retrofit Product	New Construction	Installation Method(s) to identify necessary accessories (Follow all installation instructions)	Part Number
New Construction	New Construction	Use LSI supplied conduit stem with new LSI Junction Box.	687461
LSI Scottsdale	4" Hole	Remove existing fixture and use LSI included conduit stem with existing Scottsdale ballast box.	
		Remove existing Scottsdale and use LSI included conduit stem with new LSI Junction Box.	687461
LSI CRU/CRUS	4" Hole (possibly with EC plates)	Remove existing fixture and use LSI included conduit stem with new LSI Junction Box.	687461
CRU/CRUS Adaptor Kit	Single or Double deck canopy CRU/CRUS existing die cast driver box	Remove existing CRU or CRUS optical assembly and retrofit SCV to existing CRU/CRUS driver box - no need to retrofit existing conduit. No additional junction box required.	687462
LSI Encore Top Access (ECTA) LSI SCF	16" deck pan with 9" round hole	Remove existing fixture and use LSI included conduit stem with existing ECTA/SCF ballast box and Encore 16" Kit.	673425
		Remove existing fixture and use LSI included conduit stem with LSI Junction Box and new Encore 16" Kit.	673425
	12" deck pan with 9" round hole	Remove existing fixture and use LSI included conduit stem with existing ECTA/SCF ballast box and Encore 12" Kit.	676011
		Remove existing fixture and use LSI included conduit stem with new LSI Junction Box and new Encore 12" Kit.	687461 676011
LSI Encore (bottom access) Cree 304	16" deck pan with 12" square hole	Remove existing fixture and use LSI included conduit stem with new LSI Junction Box and new Encore 16" Kit.	687461 673425
Cree CAN-228 30 LED	16" deck pan with 7.375" x 11.375" rectangular hole	Remove existing fixture and use LSI included conduit stem with new LSI Junction Box and new Encore 16" Kit.	687461 673425
	12" deck pan with 7.375" x 11.375" rectangular hole	Remove existing fixture and use LSI included conduit stem with new LSI Junction Box and new Encore 12" Kit.	687461 676011
LSI CRO2 LSI CRO3 LSI CRS	5-hole pattern with 7" or 4" diameter (could be EC/ECTA retrofit of 9" or 12" hole)	Remove existing fixture and use LSI included conduit stem with existing CRO2/CRO3/CRS junction box.	
RECU Richmond Retrofit	Rectangular Richmond housing	Use new LSI RECU Accessory Kit.	673426
Total Replacement of: LSI Richmond Cree CAN-228 60LED Cree CAN-228 90LED	Rectangular hole 9.5" x 19.125" 7.375" x 16.125" 7.375" x 20.9375"	Remove existing fixture and use LSI included conduit stem with new LSI Rectangular Hole Kit (#TBD) and new LSI Junction Box.	678291WHT 687461
UNV (Universal 2x2) LSI Masters LSI Dakota Other similar 2x2 products	Surface mount 2x2 housing	Use new LSI UNV Accessory Kit.	673427
Remove Surface Mount Box	Conduit hole and possible discoloration of decking	Remove existing fixture and use LSI included conduit stem with new LSI Junction Box. [Possible need for beauty plates: 26" Beauty Plate (no holes) or 26" Beauty Plate with 4" center hole].	687461 357282 557193WHT

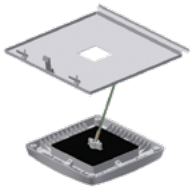


Encore 16" Accessory Kit
(673425)
Includes: top panel with sealant

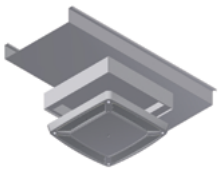
Encore 12" Accessory Kit
(676011)
Includes: top panel with sealant



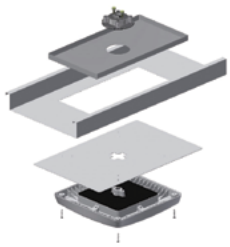
RECU Accessory Kit
(673426)
Includes cover panel, guide panel, tether clip and hardware



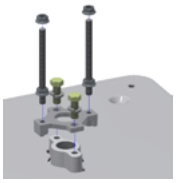
UNV Accessory Kit
(673427)
Includes mounting panel with auxiliary latch, 4 inner flange brackets and hardware to attach panel to fixture



Surface Mount Box Kit
(673433)
Includes 2" deep housing with tether kit, tether bolt and mounting bolts.



Rectangular Hole Kit
(678291WHT)
Includes cover panel, top plate, hardware and sealant



CRU/CRUS Adpator Kit
(687462)
Includes adaptor and hardware. Use existing CRU/CRUS die cast driver box

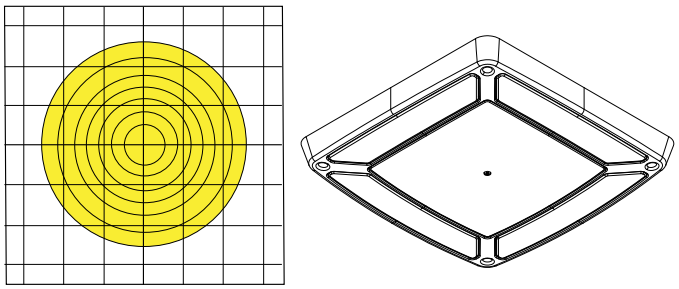
Scottsdale® Vertex™ - SCV
Petroleum Canopy LED Luminaire

Photometry

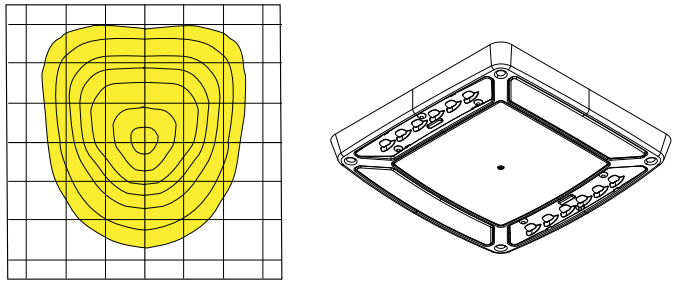
Luminaire photometry has been conducted by an NVLAP accredited testing laboratory in accordance with IESNA LM-79-08.
As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

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

SC



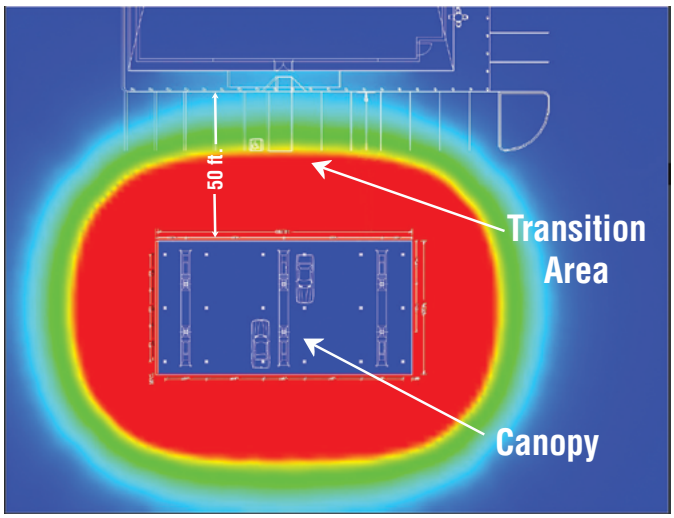
SCFT



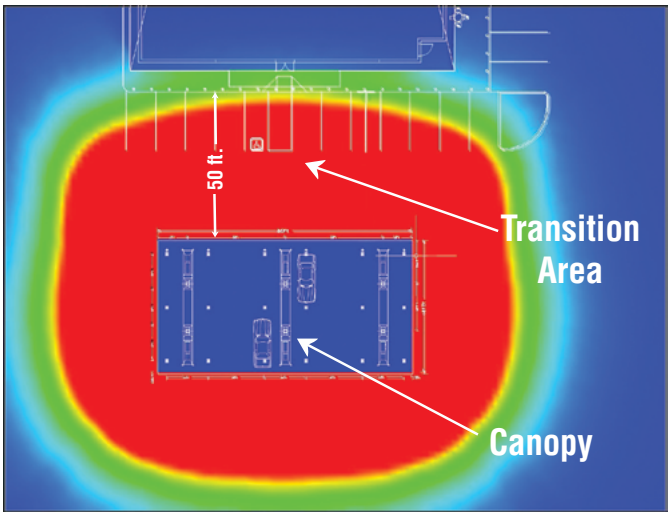
CANOPY COMPARISON									
Canopy Layout	**Fixture**	**QTY**	**Fixture Lumens**	**Fixture Watts**	**Lumens/ Watts**	**Canopy/ Watts**	**Canopy Watts/Sq. Ft.**	***Canopy/Avg.**	***Transition Area Avg.**
1	SCV-LED-13L-SC-50	18	12,933	84.3	153	1,717	0.39	35.41	3.43
2	SCV-LED-10L-SC-50	12	10,306	66.1	156	1,942	0.50	34.34	9.58
	SCV-LED-23L-SCFT-50	6	24,361	191.5	127				
3	SCV-LED-13L-SC-50	12	12,933	84.3	153	2,161	0.56	39.43	9.70
	SCV-LED-23L-SCFT-50	6	24,361	191.5	127				
4	SCV-LED-15L-SC-50	12	15,410	103.0	150	2,385	0.62	44.23	9.80
	SCV-LED-23L-SCFT-50	6	24,361	191.5	127				
5	SCV-LED-20L-SC-50	12	20,141	130.3	155	2,713	0.70	53.38	10.03
	SCV-LED-23L-SCFT-50	6	24,361	191.5	127				
6	SCV-LED-23L-SC-50	12	23,150	152.5	152	2,979	0.77	59.22	10.16
	SCV-LED-23L-SCFT-50	6	24,361	191.5	127				

*Initial foot-candle values at grade.

(18) 13L Symmetrical Fixtures



(12) Symmetrical AND (6) Combo FT Fixtures



Scottsdale® Vertex™ - SCV
Petroleum Canopy LED Luminaire

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.

Operation Modes

Dusk to Dawn operation via integral photocell switches lights on and off based on the ambient light levels. In this mode the lights remain on all night even with no motion in the area.

Dimming operation turns the lights on to the selected high level when motion is detected and the ambient light level is below the hold off set point. Once the sensor stops detecting motion and the time delay elapses, the lights will go to the low level. If no motion is detected during the cut off time delay period the lights will completely turn off or stay on at the low level depending on settings.

Configurations

- Initial setup and later adjustments made via iOS and Android App.
- Sensor settings are stored and maintained in the event of a power failure.

Motion Level - fully adjustable from 0-100% with default at 100%. Motion Level is defined as when the sensor detects motion the dimming control output goes to the selected high light level.

Dim Level - fully adjustable from off, 0-100% with default at 50%. Dim level is defined as when the sensor stops detecting motion and the time delay expires the dimming control output goes down to the selected low light level.

Default Settings

- Motion Level - 100%
- Dim Level - 50%
- Tiime Delay 1 - 5 Minutes
- Time Delay 2 - 10 Minutes
- Sensor Sensitivity - Low
- Ambient Light - Disabled

Time Delay 1 - adjustable from 1 sec to 1 hour and 45 minutes with default 5 minutes. Time delay is defined as the time period that must elapse after the last time the sensor detects motion for the lights to go to low light level.

Time Delay 2 - the time period that must elapse after the lights go to low light level and the sensor detects no motion for the lights to turn off. This feature may be enabled or disabled. If disabled there is no cut off and the lights stay in the low light level. Adjustable from 1 sec to 8 hours and 59 minutes with default set at 10 minutes.

Sensor sensitivity – the response of the PIR detector to motion within the sensor's coverage area. Adjustable from low, medium, high. Default setting is low.

Ambient Light – when the light level exceeds this setting the lights will turn off even if motion is detected. When the light level goes below the setting the lights will turn on even if no motion is detected. A switch will allow you to enable or disable this feature. ON <30 LUX, OFF >100 LUX.

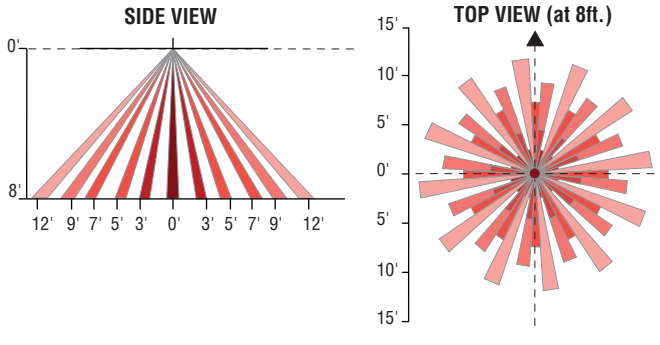
Sensor Configuration App

- Range up to 65 ft. outdoor line of sight
- iOS11 or later
- Android 6.0 or later
- Password protected.
- Sensor profiles used for setting up parameters one time and then applying the profile to different sensors requiring the same settings.

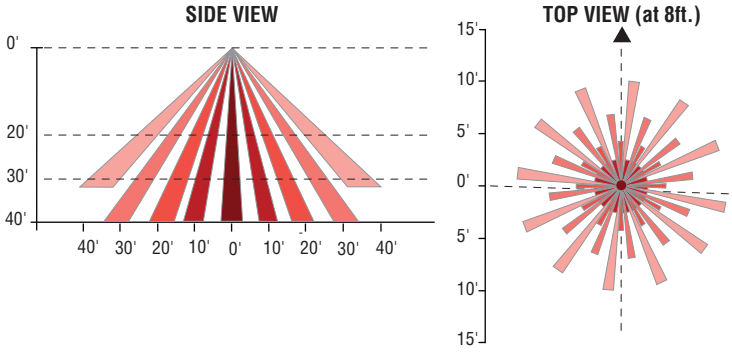
Configuration App

IMSBT Coverage Diagrams

IMSBT1



IMSBT2



Scottsdale® Vertex™ - SCV
Petroleum Canopy LED Luminaire

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

Wireless controls & sensors

Wireless & Override Switches

Occupancy/Vacancy & Daylight Sensors

AirLink-integrated Fixtures

AirLink-compatible Fixtures

Circuit & Zone Controllers

Centralized control & integration

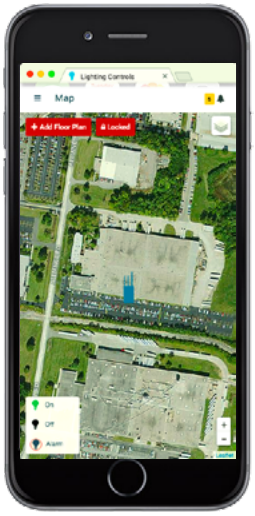
Site Manager Controller

Gateway Module

BACnet®

WiFi, Cellular or Ethernet Connection

Simple-to-use software



AirLink Site Manger: Lighting control web app

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**

