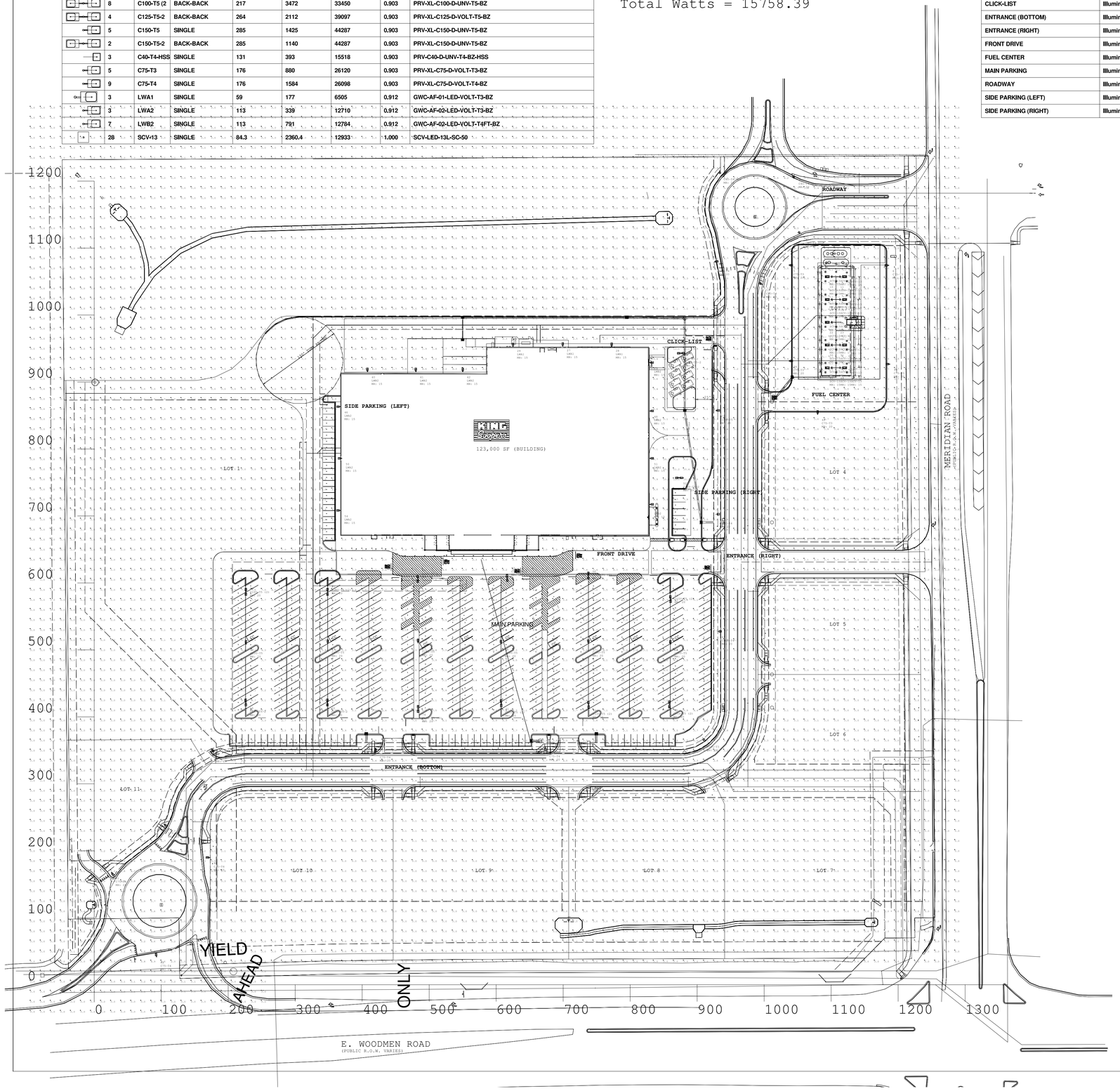
Project manager to specify fixture voltage for each fixture type

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	906.205	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

We make no representation as to its completeness, currency or accuracy because of reasons inherent to CAD and the additional digital data used to produce a lighting application. All digital CAD data appear to be extremely accurate, however, this apparent accuracy is an artifact of the techniques used to generate it, and is in no way intended to imply actual accuracy. The user of this data takes full responsibility for the accuracy and correctness of all measurements, area, inventories or other data extracted from this, other measurements, and any other data. Photometric calculations are based on IES standards and data provided by third party manufacturers. Actual results may vary due to factors such as, but not limited to, variations in manufacturing, installation, locations based on specified light levels for exterior applications, Any variance from reflectance values, obstructions,light loss factors or dimensional data will affect the actual light levels obtained. This analysis is a mathematical model and can be only as accurate as is permitted by the third party software and the IES standards used. In addition calculated values may vary from measured values due to factors such as, but not limited to, variations in manufacturing output, input voltage, ballast variances,manufacturing tolerances and application variances. The presence of objects will decrease light levels and may cause some shadowing.
Lighting application drawings are being provided to the recipient of this disclaimer.

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 Family Compliant · In the USA · cULus Listed · Title 24 · RoHS Compliant · DLC Premium · ika

Features & Specifications

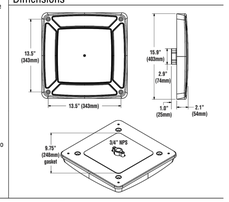
Optical System

- Proprietary silicone refractor optics provide exceptional coverage and uniformity in Symmetrical or Combination Forward Throw distributions.
- State-of-the-plug-and 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

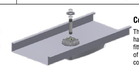
- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours (See Lumen Maintenance 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.

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** - Dimming 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[1,5] **IMSBT2** - Integral Bluetooth™ Motion and Photocell Sensor 25 - 40' mounting height[1,5]
		23L - 23000 Lumens	**SCFT** - Combination Standard Symmetric and Forward Throw					

Accessory Ordering Information

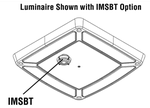
Description	Order Number
Retrofit Panel Kit - EC / ECTA / SCF to SCV, for 16" Deck Panel with larger openings[2]	6734/25
Retrofit Panel Kit - EC / ECTA / SCF to SCV, for 12" Deck Panel[2]	676011
Retrofit Panel Kit - RECU Richmond to SCV	6734/26
Retrofit Panel Kit - UNV Universal 2x2 to SCV	6734/27
Retrofit 2x2 Cover Panel Blank (no holes)	35/7282
Retrofit RIC Cover Panel Blank (no holes)	354/702
36" X 36" Beauty Plate Kit (with 4" Center hole)	55/7183WHT

Description	Order Number
36" X 36" Beauty Plate Kit (with 4" Center hole)	56/4160WHT
Junction Box	687461
Kit - Hole Plugs and Sealant (enough for 35 retrofits)	1335540
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.
4 - Ideal for 9" to 12" openings.
5 - Not available in HV.

Accessories/Options

Luminaire Shown with IMSBT Option



1 FIXTURE "SCV"
NOT TO SCALE

McGraw-Edison

Catalog #		Type
Project		
Comments		Date
Prepared by		

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.

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. Optical compartment passes 3.5G vibration test simulating 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 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, gray, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

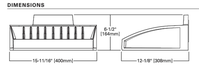
Warranty
Five-year warranty.

GWC GALLEON WALL LUMINAIRE

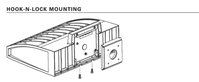
1-2 Light Squares
Solid State LED

WALL MOUNT LUMINAIRE

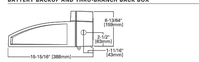
DIMENSIONS



HOOK-N-LOCK MOUNTING



BATTERY BACKUP AND THRU-BRANCH BACK BOX



EATON Powering Business Worldwide

*www.designlights.org

ORDERING INFORMATION

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

Product Family *	Light Engine *	Number of Light Squares *	Lamp Type	Voltage	Distribution	Color	Mounting Options
GWC=Galleon Wall	**AF**=1A Drive Current	**01**=1 **02**=2	**LED**=Solid State Light Emitting Diodes	**E1**=120-277V **E2**=347-480V* **HE**=120V**	**T2**=Type II **T3**=Type III Left Throw or Type IV Forward Throw **T4**=Type V **T5W**=Type VS Wide **T5VW**=Type VS Very Wide **BLA**=Type III w/Split Control **BLB**=Type IV w/Split Control **BL4**=Type IV w/Split Control **BLL**=90° Split Light Eliminator Left **BLR**=90° Split Light Eliminator Right **RW**=Rectangular Wide Type I **SWQ**=Type V Square Narrow **SMQ**=Type V Square Medium **SWQ**=Type V Square Wide	**AP**=Gray **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White **CC**=Custom Color *	**(BLANK)**=Surface Mount

Options (Add as Suffix)
7030=70 CRI / 3000K *
8030=80 CRI / 3000K *
7040=70 CRI / 4000K *
7060=70 CRI / 6000K *
800=Drive Current Factory Set to 800mA
600=Drive Current Factory Set to 600mA
1200=Drive Current Factory Set to 1200mA *
F=Single Fused (120, 277 or 347V. Must Specify Voltage)
FF=Double Fused (208, 240 or 480V. Must Specify Voltage)
SPD=10kV Surge Module
DALI=Lutron Ecosystem Leads * **
DALI=DALI Driver **
HA=50°C High Ambient **
SF=Single Fuse **
SBB=Battery Pack on Back Box * ** **
CWB=Cold Weather Battery Pack with Back Box * ** **
P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage)
R=NEMA Twistlock Photocontrol Receptacle
PR=Button Type Photocontrol and Photocontrol Receptacle **
AHD=6hr After Hours Dim, 8 Hours **
AHD24=6hr After Hours Dim, 8 Hours **
AHD25=8hr After Hours Dim, 7 Hours **
AHD35=8hr After Hours Dim, 8 Hours **
MS/DIM=Motion Sensor for Dimming Operation **, ** **
MS/DIM-L5X=Motion Sensor for Dimming Operation **, ** **
LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height **, **, **
LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 32' Mounting Height **, **, **
LB6=Optics Rotated 90° Left
LB9=Optics Rotated 90° Right
MT=Factory Installed Mesh Top
LCP=Light Square Trim Plate Painted to Match Housing **
HSS=Factory Installed House Side Shield **
CE=CE Marking and Small Terminal Block **

Accessories (Order Separately)
GA/RA1013=Photocontrol Shorting Cap
GA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
GA/RA1201=NEMA Photocontrol - 347V
GA/RA1027=NEMA Photocontrol - 480V
MA1252=10kV Circuit Module Replacement
LB/HSS=Field Installed House Side Shield (Must Specify Color)
FSIR-100=Wireless Configuration Tool for Occupancy Sensor **
LB/HSS=Field Installed House Side Shield **, **

NOTES
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Not available with E1 or E2 Voltage options.
3. Two light squares with BBB or CWB options limited to -30°C, 120/277V only.
4. Requires the use of a step down transformer. Not available in combination with sensor options at 1200mA.
5. Not available with 347V, 480V, HE or HA options. Consult Lumanaire Solutions for extended 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 ship samples required. Extended Lead times apply.
7. Requires a dedicated 120 Volt circuit. Dedicated EG files when performing bench.
8. Not available with HA option.
9. Cannot be used with other control options.
10. Not available with Integral Motion Sensor for Dimming Operation.
11. Only available 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 120L, LP1, BBB and CWB options. Available for single light square only.
13. Not available with 120L, LP1, LP2, LP3, LP4, BBB, CWB, SPD options.
14. Operates a single light square only. Cold weather option operates -30°C to +40°C. Standard 0°C to +40°C. Backbox is non-IP rated.
15. Switched / unswitched option standard for 120/277 Volt.
16. Requires the use of a Photocontrol or the PSR11 or P photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
17. Requires the use of P photocontrol or the PSR11 or P photocontrol receptacle with photocontrol accessory. Consult your lighting representative at Eaton for more information.
18. Requires LKX with mounting height in feet for proper lens selection (e.g., LB=8' mounting height). L8, L35, L40, and LARW are available options.
19. Not available with photocontrol.
20. 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 347V or 480V.
24. Only for use with BL2, BL3 and BL4 distributions. The light square trim plate is painted black when the HSS option is selected.
25. CE is not available with the 120L DALI, LWR, MS, MS/DIM, P, R or PER1 options. Available in 120-277V only.
26. One required for each light square.

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
120-277VAC & 60Hz, 347V/60Hz, 480V/60Hz
-30°C Minimum Temperature
40°C Ambient Temperature Rating

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

EATON Powering Business Worldwide

Eaton
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

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

Lumark

Catalog #		Type
Project		
Comments		Date
Prepared by		

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, lower mounting heights and 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.

SPECIFICATION FEATURES

Construction
Construction is comprised of a heavy-duty, single-piece die-cast aluminum housing. The LED arrays 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.

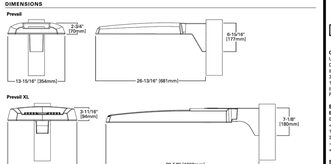
Mounting
Standard pole mount arm is bolted directly to the pole and the fixture slides onto the arm and locks in place with tool facilitating quick and easy installation. The versatile, patented, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door 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. Well 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, gray, black, dark platinum and graphite metallic.

Warranty
Five-year warranty.

PRV / PRV-XL
PREVAIL
LED
AREA / SITE / ROADWAY LUMINAIRE

DIMENSIONS



EATON Powering Business Worldwide

*www.designlights.org

ORDERING INFORMATION

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

Product Family * 1	Light Engine *	Driver	Voltage	Distribution	Mounting	Color
PRV=Prevail	**C75**=11 LEDs 7,100 Nominal Lumens **C10**=14 LEDs 9,600 Nominal Lumens **C40**=22 LEDs 17,100 Nominal Lumens **C40**=22 LEDs 20,000 Nominal Lumens	**D**=Dimming (0-10V)	**UNV**=Universal (120-277V) **HVG**=347-480V **HE**=120V**	**T2**=Type II **T4**=Type IV **T5W**=Type V Wide	**SA**=Standard Versatile Arm **MA**=Mast Arm * **WM**=Wall Mount Arm *	**BZ**=Bronze **GPT**=Graphite Metallic (Standard) **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White
PRV-XL=Prevail XL	**C75**=14 LEDs 26,100 Nominal Lumens **C10**=14 LEDs 31,000 Nominal Lumens **C15**=16 LEDs 36,000 Nominal Lumens **C20**=18 LEDs 39,000 Nominal Lumens **C25**=20 LEDs 48,000 Nominal Lumens					

Options (Add as Suffix)
7030=70 CRI / 3000K CCT *
7050=70 CRI / 5000K CCT *
HSS=House Side Shield *
HSSL=House Side Shield Left
RM=Optics Rotated 90° Left
10K=10kV/10kA UL 1449 Fused Surge Protective Device
HA=50°C High Ambient Temperature *
PER=NEMA 3-PIN Twistlock Photocontrol Receptacle
PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle
MSP/DIM-L5X=Integrated Sensor for Dimming Operation, 8' - 13' Mounting Height *, *
MSP/DIM-L30=Integrated Sensor for Dimming Operation, 12' - 30' Mounting Height *, *
MSP-L32=Integrated Sensor ON/OFF Operation, 8' - 12' Mounting Height *, *
MSP-L35=Integrated Sensor ON/OFF Dimming Operation, 12' - 30' Mounting Height *, *
MSP-L40=Integrated Sensor ON/OFF Dimming Operation, 20' - 40' Mounting Height *, *
MSP/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height *, *
MS-L20=Motion Sensor for ON/OFF Operation, 8'- 20' Mounting Height *, *
MS/DIM-L30=Motion Sensor for Dimming Operation, 8' - 30' Mounting Height *, *
ZW=Wireless enabled 4-Pin Twistlock Receptacle *, *, *, *
ZW-SWPD4W=WaveLinx Wireless Sensor, 7' - 15' Mounting Height, White *, *, *
ZW-SWPD4Z=WaveLinx Wireless Sensor, 7' - 15' Mounting Height, Bronze *, *, *
ZW-SWPD8W=WaveLinx Wireless Sensor, 15' - 40' Mounting Height, White *, *, *
ZW-SWPD8Z=WaveLinx Wireless Sensor, 15' - 40' Mounting Height, Bronze *, *, *
LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height *, *
LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height *, *
(See Table Below)= LumenSafe Integrated Network Security Camera *, *, *

Accessories (Order Separately) *, *
PRVWM-XX=Wall Mount Kit *
PRVAM-XX=Mast Arm Mounting Kit *
PRVSA-XX=Standard Arm Mounting Kit *
PRVPL-XX=Pole Adapter Plate (Retrofit to Old Prevail XL) *, *
MA1018-XX=2-3/8" Tenon Adapter for 3-1/2" O.D. Tenon
MA1011-XX=2-7/8" Tenon Adapter for 3-1/2" O.D. Tenon
MA1017-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon
MA1018-XX=2-7/8" Tenon Adapter for 2-3/8" O.D. Tenon
VG1-FB=Vertical Glare Shield, Front/Back *
VG2-FB=Vertical Glare Shield, Front/Back *
VGS-SIDE=Vertical Glare Shield, Side *
GA/RA1013=Photocontrol Shorting Cap
GA/RA1016=NEMA Photocontrol - 120V
GA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
GA/RA1201=NEMA Photocontrol - 347V
GA/RA1027=NEMA Photocontrol - 480V
FSIR-100=Wireless Configuration Tool for Occupancy Sensor *
SWPD4-WH=WaveLinx Wireless Sensor, 7' - 15' Mounting Height, White *, *
SWPD4-BZ=WaveLinx Wireless Sensor, 7' - 15' Mounting Height, Bronze *, *
SWPD8-WH=WaveLinx Wireless Sensor, 15' - 40' Mounting Height, White *, *
SWPD8-BZ=WaveLinx Wireless Sensor, 15' - 40' Mounting Height, Bronze *, *
WOLC-IP-15A=WaveLinx Outdoor Control Module (7-PIN) *

NOTES
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Not available with E1 or E2 Voltage options.
3. Two light squares with BBB or CWB options limited to -30°C, 120/277V only.
4. Requires the use of a step down transformer. Not available in combination with sensor options at 1200mA.
5. Not available with 347V, 480V, HE or HA options. Consult Lumanaire Solutions for extended 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 ship samples required. Extended Lead times apply.
7. Requires a dedicated 120 Volt circuit. Dedicated EG files when performing bench.
8. Not available with HA option.
9. Cannot be used with other control options.
10. Not available with Integral Motion Sensor for Dimming Operation.
11. Only available 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 120L, LP1, BBB and CWB options. Available for single light square only.
13. Not available with 120L, LP1, LP2, LP3, LP4, BBB, CWB, SPD options.
14. Operates a single light square only. Cold weather option operates -30°C to +40°C. Standard 0°C to +40°C. Backbox is non-IP rated.
15. Switched / unswitched option standard for 120/277 Volt.
16. Requires the use of a Photocontrol or the PSR11 or P photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
17. Requires the use of P photocontrol or the PSR11 or P photocontrol receptacle with photocontrol accessory. Consult your lighting representative at Eaton for more information.
18. Requires LKX with mounting height in feet for proper lens selection (e.g., L8=8' mounting height). L8, L35, L40, and LARW are available options.
19. Not available with photocontrol.
20. 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 347V or 480V.
24. Only for use with BL2, BL3 and BL4 distributions. The light square trim plate is painted black when the HSS option is selected.
25. CE is not available with the 120L DALI, LWR, MS, MS/DIM, P, R or PER1 options. Available in 120-277V only.
26. One required for each light square.

CERTIFICATION DATA
UL and cUL Wet Location Listed
DesignLights Consortium® Qualified*
IP66 Rated
Wind Vibration Rated (PRV)
3.5G Vibration Rated (PRV-XL)
ISO 9001
FCC Class A

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

SHIPPING DATA
Approximate Net Weight:
PRV: 18 lbs. (8.2 kgs.)
PRV-XL: 45 lbs. (20.41 kgs.)

EATON Powering Business Worldwide

Eaton
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

3 FIXTURE "C"
NOT TO SCALE

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

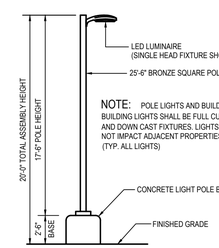
Product Family *	Light Engine *	Voltage	Distribution	Options (Add as Suffix)
PRV=Prevail	**C75**=11 LED 7,100 Nominal Lumens **C10**=14 LED 9,600 Nominal Lumens **C40**=22 LED 17,100 Nominal Lumens **C40**=22 LED 20,000 Nominal Lumens	**UNV**=Universal (120-277V) **347**=347V *	**T2**=Type II **T4**=Type IV	**MSP/DIM-L30**=Integrated Sensor for Dimming Operation, Maximum 30' Mounting Height *
PRV-XL=Prevail XL	**C75**=14 LEDs 26,100 Nominal Lumens **C10**=14 LED 31,000 Nominal Lumens **C15**=16 LEDs 36,000 Nominal Lumens **C20**=18 LEDs 41,100 Nominal Lumens **C25**=20 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 PRV5 configurations C15, C25, C40 or C50.

EATON Powering Business Worldwide

Eaton
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lighting

Specifications and dimensions subject to change without notice.



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

COPYRIGHT
THESE PLANS ARE AN INSTRUMENT OF SERVICE AND ARE THE PROPERTY OF GALLOWAY, AND MAY NOT BE DUPLICATED, DISCLOSED, OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF GALLOWAY. COPYRIGHTS AND INFRINGEMENTS WILL BE ENFORCED AND PROSECUTED.

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
5	09/24/21	6TH SDP Sub.	ACJ

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

PHOTOMETRIC DETAILS

C5.1

H:\King Soopers - City Kindred\CD_Falcon - KSS000147 Windows & Mac\Revit\CAD\CD\Revit\KS147_CD_FL1_CITE_DETS.dwg - Aaron Johnston - 10/2/2020