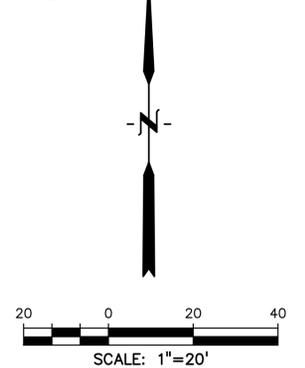


LEGEND

- LUMINARE (C75-T4)
- LUMINARE (C40-T4-HSS)
- J-BOX - LOCATION TO BE DETERMINED IN THE FIELD
- SCHEDULE 40 PVC OR HDPE ELECTRICAL CONDUIT
ACTUAL ROUTING TO BE DETERMINED IN THE FIELD.

Label	Arrangement	Lum. Watts	Total Watts	Lum. Lumens	LLF	Description
C75-T4	SINGLE	176	1584	26098	0.903	PRV-XL-C75-D-VOLT-T4-BZ
C40-T4-HSS	SINGLE	131	393	15518	0.903	PRV-C40-D-UNV-T4-BZ-HSS

No.	Label	Luminaire Location Summary				
		X	Y	Z	Orient	Tilt
North Roundabout						
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
13	C75-T4	996.75	1045.75	20	149.237	0
South Roundabout						
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



811 Know what's below.
Call before you dig.
CALL 3-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR
EXCAVATE FOR THE MARKING OF
UNDERGROUND MEMBER UTILITIES.

PREPARED BY:

DREXEL, BARRELL & CO.
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PHOENIX, AZ 85016
(602) 808-8600

CONSTRUCTION DRAWINGS FOR
FALCON MARKETPLACE
FALCON, COLORADO

ISSUE	DATE
INITIAL ISSUE	2-11-22
DESIGNED BY:	TDM
DRAWN BY:	KGV
CHECKED BY:	TDM
FILE NAME:	FM_RAB_LT

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.
DRAWING SCALE:
HORIZONTAL: 1" = 20"
VERTICAL: N/A

ROUNDAABOUT LIGHTING

PROJECT NO. 20988-00CSCV
DRAWING NO.

L1

SHEET: 1 OF 2

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.

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-efficiency 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 60/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. 10kV/10kA 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.

Lumark

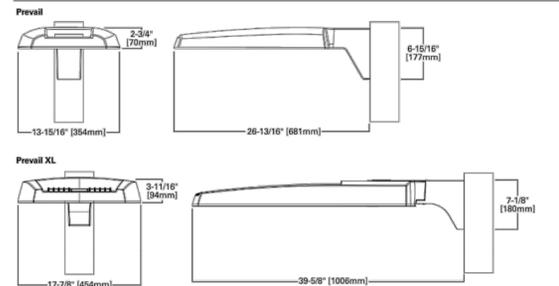
Catalog #	Type
Project	Date
Comments	
Prepared by	



PRV / PRV-XL PREVAIL

LED
AREA / SITE / ROADWAY LUMINAIRE

DIMENSIONS



Powering Business Worldwide

*www.designlights.org



CERTIFICATION DATA
UL and cUL Wet Location Listed DesignLights Consortium® Qualified® IP66-Rated 2G 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/60 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.)



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3 FIXTURE "C"
NOT TO SCALE

page 5

PRV / PRV-XL PREVAIL

ORDERING INFORMATION

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

Product Family 1,3	Light Engine 4	Driver	Voltage	Distribution	Mounting	Color
PRV-Prevail	C15=(1 LED) 7,100 Nominal Lumens C25=(2 LED) 13,100 Nominal Lumens C40=(2 LED) 17,100 Nominal Lumens C60=(2 LED) 20,000 Nominal Lumens	D=Dimming (0-10V)	UNV=Universal (120-277V) 347-347V 480-480V	T2=Type III T3=Type III T4=Type IV T5=Type V	SA=Standard Versatile Arm MA=Mast Arm WM=Wall Mount Arm	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) 46,000 Nominal Lumens					

Options (Add as Suffix)	Accessories (Order Separately) 16
7030-70 CR1 / 3000K CCT + 7050-70 CR1 / 5000K CCT + HSS=House Side Shield + L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right 10K=10kV/10kA UL 1449 Surge Protective Device HA=50°C High Ambient Temperature + PEB=NEMA 3-PIN Twistlock Photocontrol Receptacle PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle MSP/DIM-L30=Integrated Sensor for Dimming Operation, 8" - 12" Mounting Height 11 MSP/DIM-L30=Integrated Sensor for Dimming Operation, 12" - 30" Mounting Height 11 MSP-L12=Integrated Sensor ON/OFF Operation, 8" - 12" Mounting Height 11 MSP-L30=Integrated Sensor ON/OFF Operation, 12" - 30" Mounting Height 11 MS/DIM-L20=Motion Sensor for Dimming Operation, 8" - 20" Mounting Height 11 MS/DIM-L40W=Motion Sensor for Dimming Operation, 21" - 40" Mounting Height 11 MS-L20=Motion Sensor for ON/OFF Operation, 8" - 20" Mounting Height 11 MS-L40W=Motion Sensor for ON/OFF Operation, 21" - 40" Mounting Height 11 ZW-SWPD4WH=WaveLinX Wireless Sensor, 7" - 15" Mounting Height, White 11,12 ZW-SWPD4BZ=WaveLinX Wireless Sensor, 7" - 15" Mounting Height, Bronze 11,12 ZW-SWPD5WH=WaveLinX Wireless Sensor, 15" - 40" Mounting Height, White 11,12 ZW-SWPD5BZ=WaveLinX Wireless Sensor, 15" - 40" Mounting Height, Bronze 11,12 LWR-LW=Lumawatt Pro Wireless Sensor, Wide Lens for 8" - 16" Mounting Height 13 LWR-L=Lumawatt Pro Wireless Sensor, Narrow Lens for 15" - 40" Mounting Height 13 (See Table Below)=LumenSafe Integrated Network Security Camera 14	PRVWM-XX=Wall Mount Kit + PRVMA-XX=Standard Arm Mounting Kit + PRVSA-XX=Standard Arm Mounting Kit + PRVLSA-XX=Standard Arm Mounting Kit (for Prevail XL) + MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1011-XX=2@150° Tenon Adapter for 3-1/2" O.D. Tenon MA1012-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1013-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon HS/VERB=House Side Shield 7 VSS-VB=Vertical Glass Shield, Front/Back 7 VSS-SB=Vertical Glass Shield, Side 7 OA/RA1013=Photocontrol Shoring Cap OA/RA1016=NEMA Photocontrol - 120V OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V OA/RA1201=NEMA Photocontrol - 347V OA/RA1202=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 11,12 SWPD4-BZ=WaveLinX Wireless Sensor, 7" - 15" Mounting Height, Bronze 11,12 SWPD5-WH=WaveLinX Wireless Sensor, 15" - 40" Mounting Height, White 11,12 SWPD5-BZ=WaveLinX Wireless Sensor, 15" - 40" Mounting Height, Bronze 11,12 WOLC-7P-10A=WaveLinX Outdoor Control Module (7-PIN) 18

- NOTES:**
- DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
 - Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications. Refer to installation instructions and pole white paper WP913001EN for additional support information.
 - Standard 4000K CCT and 70CRI.
 - 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).
 - Only available in PRV configurations C15, C25, C40 or C60.
 - Use dedicated IES files on product website for non-standard CCTs.
 - Option will come factory-installed. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 4, 6, 8). House Side Shield not suitable with T5 distribution or C60 lumen package.
 - Not available with C60 lumen package.
 - Controls system is not available with photocontrol receptacle (PER or PER7) or other controls systems (MS, MSP, ZW or LWR).
 - Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
 - In order for the device to be field-configurable, require WAC Gateway components WAC-PdE 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.
 - Lumawatt Pro wireless sensors are factory installed and require network components LWP-EM-1, LWP-GW-1, and LWP-PdE in appropriate quantities. See website for Lumawatt Pro application information.
 - Only available in PRV-XL configurations C75, C100, C125, C150, or C175.
 - Not available with 347V, 480V, or HA options. Consult LumenSafe system product pages for additional details and compatibility information.
 - Replace XX with paint color.
 - 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.
 - 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.
 - Requires WaveLinX-enabled 4-PIN twistlock receptacle (ZWR) option.
 - 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).

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

STOCK ORDERING INFORMATION

Product Family 1	Light Engine	Voltage	Distribution	Options (Add as Suffix)
PRV-Prevail	C15=(1 LED) 7,100 Nominal Lumens C25=(2 LED) 13,100 Nominal Lumens C40=(2 LED) 17,100 Nominal Lumens C60=(2 LED) 20,000 Nominal Lumens	UNV=Universal (120-277V) 347-347V	T3=Type III T4=Type IV	MSP/DIM-L30=Integrated Sensor for Dimming Operation, Maximum 30' Mounting Height 11
PRV-XL-Prevail	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) 46,000 Nominal Lumens			

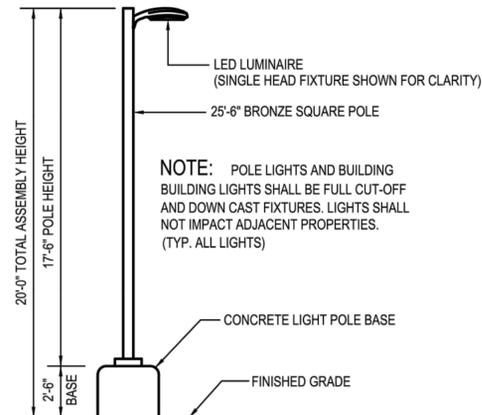
NOTES: 1. All stock configurations are standard 4000K/70CRI, bronze finish, and include the standard versatile mounting arm. 2. Only available in PRV configurations C15, C25, C40 or C60.



Eaton
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Parsippany, NJ 07054
P: 732-486-6500
www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

TD500089EN
September 30, 2019 9:28 AM



4 PREVAIL FIXTURE SINGLE HEAD DETAIL
NOT TO SCALE

PREPARED BY:



DREXEL, BARRELL & CO.
Engineers • Surveyors
3 SOUTH 7TH STREET
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CONSTRUCTION DRAWINGS FOR
FALCON MARKETPLACE
FALCON, COLORADO

ISSUE	DATE
INITIAL ISSUE	2-11-22
DESIGNED BY:	TDM
DRAWN BY:	KGV
CHECKED BY:	TDM
FILE NAME:	FM_RAB_LT

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

DRAWING SCALE:
HORIZONTAL: 1" = 20"
VERTICAL: N/A

ROUNDAABOUT LIGHTING

PROJECT NO. 20988-00SCV
DRAWING NO.

L2

SHEET: 2 OF 2