



MASTERCARD - PARKING LOT E
OFALLON, MO

ISSUE DATE: September 26, 2018
REVISIONS: A - 11/21/18

| TYPE | LUMINAIRE SPECIFICATION | LUMINAIRE DESCRIPTION | LAMP CODE | LAMPS/UNIT | MAX WATTS/UNIT | VOLTS | NOTES | REV. |
|------|---|--|--------------|------------|----------------|----------|-------|------|
| SA | Lumark Lighting PFRPV-2-440-T3-25-9 | Twin head LED area light installed at 180" from one another and mounted to 25' pole. Pole to be mounted to concrete base similar in height to those used in adjacent parking lots. | Integral LED | N/A | 268 | As Req'd | 1-31 | A |
| SB | Lumark Lighting PFRPV-1-440-T3-25-9HSS | Single head LED area light with internal house side shield installed to 25' pole. Pole to be mounted to concrete base similar in height to those used in adjacent parking lot. | Integral LED | N/A | 143 | As Req'd | 1-31 | A |
| SC | Lumark Lighting PFRPV-1-440-T3-25-9 | Single head LED area light mounted to 25' pole. Pole to be installed to concrete base similar in height to those used in adjacent parking lot. | Integral LED | N/A | 143 | As Req'd | 1-31 | A |

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- CONTRACTOR SHALL CONFINE THEIR ACTIVITIES TO THE AREA SET ASIDE FOR THEM AS DEFINED BY THE OWNER REPRESENTATIVE TO DO HIS WORK AND SHALL NOT INTERFERE WITH ANY OF THE PEDESTRIAN OR TRAFFIC PATTERNS. THIS CONTRACTOR WILL NOT BE PERMITTED TO STORE MATERIALS EXCEPT WITHIN THE AREA AS DIRECTED BY THE OWNER REPRESENTATIVE. SHOULD ANY DISTURBANCE OF EXISTING INSTALLATION BE NECESSARY THE CONTRACTOR SHALL REVIEW THE OWNER REPRESENTATIVE WELL IN ADVANCE OF THE TIME CONTEMPLATED FOR THE DISTURBANCE. PROVIDE TRAFFIC BARRIERS, WARNING LIGHTS AND SIGNS AS NECESSARY. ONCE A PLAN, ACCEPTABLE TO THE OWNER REPRESENTATIVE HAS BEEN FORMULATED, THE GENERAL CONTRACTOR SHALL POSITION BARRIERS AND EQUIPMENT TO SAFELY EXECUTE THE WORK AND PROTECT WORKERS AND PEDESTRIANS FROM HARM. COMPLY WITH ALL PROJECT STANDARDS.
- CONTINUITY OF ALL SITE SERVICES AND UTILITIES SERVING FACILITIES SHALL BE MAINTAINED WITHOUT INTERRUPTION, EXCEPT FOR SUCH A PERIOD OF TIME DESIGNATED BY THE OWNER REPRESENTATIVE. CONTRACTOR SHALL SO ARRANGE AND EXECUTE HIS WORK THAT ANY CONNECTIONS, EITHER TEMPORARY OR PERMANENT, OR REARRANGEMENT OF PRESENT EQUIPMENT, CONDUIT, WIRING, SWITCHES, ETC. ARE NECESSARY TO ASSURE THIS CONTINUITY OF THE BUILDING SERVICE. THIS CONTRACTOR AT NO ADDITIONAL COST, SHALL PROVIDE THEM TO THE PROJECT WORK AREAS WHERE USED IN THESE DOCUMENTS, MAINTAIN AS DEFINED AS FOLLOWS: SUSTAIN THE EXISTING WORKING CONDITION OF ELECTRICAL DEVICES AND EQUIPMENT WHICH INCLUDES BUT IS NOT LIMITED TO REVISIONS, REMOVING, AND REINSTALLING TO EXECUTE THE NEW WORK INDICATED, PROVIDE ALL REQUIRED SAFETY BARRIERS AND SHORING FOR THE SAFE INSTALLATION OF ELECTRICAL EQUIPMENT, DUCT BANK, AND LIGHTING.
- SHOP DRAWINGS SHALL BE SUBMITTED ELECTRONICALLY AS PDF FILES. SHOP DRAWINGS SHALL INCLUDE TRANSMITTAL PAGES INDICATING THE NAME OF THE PROJECT, AND THE NAME, ADDRESS, AND PHONE NUMBER OF THE GENERAL AND CONTRACTORS, GENERAL CONTRACTOR AND CONTRACTOR SHALL REVIEW SHOP DRAWING SUBMITTALS FOR COMPLIANCE, CONTENT, AND COMPLETENESS AND PROVIDE A STAMP WITH THE DATE OF THE REVIEW AND SIGNATURE OF THE REVIEWER. TRANSMITTAL PAGES SHALL HAVE INDEX WITH SPECIFICATION SECTION AND DESCRIPTION OF SUBMITTED ITEMS. NO EXCEPTIONS WILL BE TAKEN. SHOP DRAWINGS NOT SUBMITTED IN THIS FORMAT WILL BE REJECTED AND WILL NOT CAUSE REASON FOR PROJECT DELAYS. EQUIPMENT SHALL NOT BE ORDERED UNTIL OWNER REPRESENTATIVE HAS PROCESSED APPLICABLE SHOP DRAWINGS. A MINIMUM OF SEVEN WORKING DAYS WILL BE ALLOWED FOR SUBMITTAL PROCESSING.
- ALL CONCRETE BASES SHALL BE DESIGNED BY THE DESIGN BUILD CONTRACTOR FOR STRUCTURAL SUITABILITY AND CONSISTENT WITH ALL ENGINEERING DESIGN PRACTICE TO ENSURE A SAFE, CODE COMPLIANT INSTALLATION.
- ALL CONCRETE BASES SHALL MATCH EXISTING CONCRETE BASES IN APPEARANCE, INCLUDING COLOR.
- CONFLICTS WITH PROPOSED LANDSCAPE SHALL BE BROUGHT TO THE ATTENTION OF THE OWNERS REPRESENTATIVE AND LANDSCAPE ARCHITECT FOR RESOLUTION PRIOR TO PROCEEDINGS.
- AS PART OF THE CONTRACTORS SHOP DRAWING SUBMITTAL, PROVIDE CONCRETE BASE DETAIL FOR REVIEW.

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GENERAL NOTES

- SCOPE OF WORK IN THIS DESIGN-BUILD PACKAGE SHALL BE PERFORMED UNDER THE SERVICES OF A QUALIFIED ELECTRICAL CONTRACTOR. DRAWINGS INCLUDED ARE MEANT TO SERVE AS BASIS OF DESIGN WITH DETAILED DRAWINGS AND ENGINEERING WORK DONE BY CONTRACTOR FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE AND THEIR DESIGN TEAM.
- CONTRACTORS SHALL EXPECT TO WORK WITH OWNER'S REPRESENTATIVE AND THEIR DESIGN TEAM IN A DESIGN ASSIST ROLE DURING DEVELOPMENT OF FINAL CONSTRUCTION INSTALLATION DETAILS INCLUDING BUT NOT LIMITED TO: MOUNTING DETAILS, LIGHTING CONTROLS, ETC.
- CONTRACTORS SHALL OBSERVE ALL REGULATIONS IMPOSED BY THE APPROPRIATE GOVERNING BODIES, AND ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE BUILDING CODES, ACCIDENT AND FIRE PREVENTION REGULATIONS, ALL MATERIALS, EQUIPMENT, WORKMANSHIP, WORKING CONDITIONS, AND CONSTRUCTION METHODS SHALL COMPLY WITH THE LATEST APPLICABLE SECTIONS OF LOCAL, MUNICIPAL, CITY, STATE AND FEDERAL CODES, ORDINANCES, AND STANDARDS.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO STARTING ANY CONSTRUCTION AND SHALL NOTIFY THE OWNERS REPRESENTATIVE OF ANY DISCREPANCIES OR INCONSISTENCIES AT THE BUILDING SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY AND SECURITY IN AND AROUND THE JOB SITE DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO OWNER'S OR OTHERS PROPERTY DONE BY HIM-HER OR INDIVIDUALS IN THE CONTRACTORS EMPLOY, OR THROUGH NEGLIGENCE.
- ALL ELECTRICAL WORK IS TO BE ON A DESIGN-BUILD BASIS BY THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR ELECTRICAL PERMIT ACQUISITION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA. THE CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR ANY DAMAGE OR INJURIES CAUSED BY/ DURING THE EXECUTION OF THE WORK.
- THE CONTRACTOR SHALL PERFORM THE WORK AT THE PROJECT SITE DURING NORMAL BUSINESS HOURS, UNLESS OTHERWISE NOTED AND AGREED UPON WITH THE OWNER'S REPRESENTATIVE.
- THESE LAYOUT DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO SHOW LOCATION OF LIGHTING EQUIPMENT, AND RELATED DEVICES, UNLESS DIMENSIONS ARE GIVEN OR OTHERWISE IMPLIED FOR CLEARANCES, ETC. LIGHTING, RELATED DEVICES, AND ELECTRICAL EQUIPMENT ARE TO BE INSTALLED IN ACCORDANCE WITH THE GENERAL PLANS. SITE CONDITIONS MUST BE CONFIRMED PRIOR TO EXECUTING WORK NECESSARY.

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- DRAWINGS ARE BASED ON SITE CONDITIONS SURVEY CONDUCTED FOR THE SCOPE AREA DIMENSIONS PROVIDED ARE APPROXIMATE, INDICATING DESIGN INTENT. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND NOTIFY OWNER REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION OR IF CONSTRUCTION HAS COMMENCED, BEFORE PROCEEDING WITH THE WORK IN QUESTION.
- THE CONTRACTOR SHALL MAINTAIN A RECORD SET OF DRAWINGS AT THE JOB SITE AND MARK THEREON ANY CHANGES AS THE WORK PROCEEDS. THE RECORD DRAWINGS MUST BE PROVIDED TO THE OWNER REPRESENTATIVE AND CITY PRIOR TO FINAL INSPECTION AND ACCEPTANCE. A FINAL COMPLETE SET OF AS-BUILT ELECTRICAL AND LIGHTING DRAWINGS SHALL ALSO BE FURNISHED BY THE CONTRACTOR TO THE OWNER REPRESENTATIVE, AT THE CLOSE OF THE PROJECT WITH ALL CHANGES/UPDATES MADE DURING CONSTRUCTION AND APPROVED BY THE CITY. THE COST OF THIS IS TO BE PROVIDED IN THE CONTRACTORS BASE BID.
- CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES IN WORK AREAS PRIOR TO PROCEEDING WITH WORK. NOTIFY OWNER REPRESENTATIVE OF ANY UTILITIES OR OTHER EASEMENTS THAT MAY BE PHYSICALLY AFFECTED BY THE WORK PRIOR TO PROCEEDING.
- CONTRACTORS SHALL VERIFY LOADINGS OF ALL CIRCUITS AFFECTED BY THE CONTRACT WORK PRIOR TO PROCEEDING. ANY DISCREPANCIES OR CONCERNS SHALL BE ADDRESSED WITH OWNER REPRESENTATIVE AS PART OF THE DESIGN-BUILD PROCESS.
- LOCATIONS FOR ALL CONDUITS, UTILITY BOXES, HANDHOLES OR PULL-BOXES SHALL BE APPROVED BY OWNER REPRESENTATIVE PRIOR TO INSTALLATION.
- ALL MATERIALS SHALL BE U.L. LISTED PER NEMA STANDARDS. ALL MATERIALS SHALL BE NEW AND UNUSED. ALL INSTALLED WORK SHALL CONFORM TO THE 2011 N.E.C. AND ACCEPTED INDUSTRY STANDARDS.
- ALL NEW WORK MUST MEET CITY OF OFALLON STANDARDS AND SPECIFICATIONS AND COMPLY WITH THE BOARD OF PUBLIC SERVICE STANDARDS AND SPECIFICATIONS, WHERE APPLICABLE.
- THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL FOR A COMPLETE LIGHTING AND ELECTRICAL SYSTEM AS INDICATED ON, AND DESCRIBED IN THE DESIGN-BUILD DOCUMENTS. VERIFY ALL EXISTING CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID OR STARTING WORK. LOCATE ALL UNDER AND ABOVE GROUND UTILITIES PRIOR TO STARTING WORK. COMPLY WITH ALL OSHA SAFETY GUIDELINES DURING THE COURSE OF COMPLETING THE WORK DESCRIBED ON THESE DOCUMENTS. REVIEW ALL AVAILABLE EXISTING CONDITIONS AS WELL AS ANY AVAILABLE AS-BUILT DRAWINGS. REVIEW ALL INSTRUCTIONS TO BIDDERS, GENERAL CONDITIONS, AND SUPPLEMENTAL INFORMATION. SUBMISSION OF A BID WILL ACKNOWLEDGE THAT THE CONTRACTOR HAS VISITED THE SITE AND COMPLETED A THOROUGH REVIEW OF ALL PROJECT RELATED DOCUMENTS. THE CONTRACTOR SHALL REQUEST CLARIFICATION IN WRITING FOR ANY DISCREPANCIES, WHICH MAY EXIST IN THE DOCUMENTS TEN (10) DAYS PRIOR TO BID. ABSENCE OF ANY REQUEST WILL ACKNOWLEDGE CONTRACTOR UNDERSTANDS ALL REQUIREMENTS OF THE DOCUMENTS, METHODS OF INSTALLATION, AND MATERIALS TO BE USED, WHERE ITEMS OR ISSUES HAVE NOT BEEN REPRESENTED FOR CLARIFICATION PRIOR TO THE BID. THE MOST STRINGENT REQUIREMENTS WILL APPLY AT THE DISCRETION AND DIRECTION OF THE OWNER REPRESENTATIVE. FURTHERMORE, ANY REQUEST FOR INFORMATION AFTER THE BID, WILL NOT BE REASON FOR OR CAUSE DELAY OF THE PROJECT.

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- THE EQUIPMENT, MATERIALS, AND MANUFACTURERS SCHEDULED IN THESE DOCUMENTS SHALL BE THE BASIS OF DESIGN. THE CONTRACTOR SHALL BE HIS BID ON THE SAME. ALL OTHER EQUIPMENT, MATERIALS, AND MANUFACTURERS WILL BE CONSIDERED SUBSTITUTIONS. PROPOSED SUBSTITUTIONS SHALL BE SUBMITTED FOR REVIEW TO THE OWNER REPRESENTATIVE PRIOR TO BID. THE CONTRACTOR SHALL MAKE NO PRIOR ASSUMPTION ON ALTERNATES NOT APPROVED BY THE OWNER REPRESENTATIVE. APPROVALS OF SUBSTITUTIONS ARE CONTINGENT UPON MATERIALS BEING SUBMITTED BY CONTRACTOR FIVE (5) DAYS PRIOR TO BID TO ALLOW TIME FOR OWNER REPRESENTATIVE TO REVIEW. IF THE SUBSTITUTION REQUEST IS APPROVED, THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR PHYSICAL SIZE, CAPACITIES, COORDINATION, SUPPLEMENTAL DRAWINGS, AND INFORMING OTHER CONTRACTORS RELATED TO THE INSTALLATION AS TO ANY SPECIFIED ITEM CHANGES. THE CONTRACTOR SHALL BEAR AS PART OF HIS CONTRACT, ANY ADDITIONAL COSTS INCURRED IN HIS WORK OR BY OTHER CONTRACTORS AS A RESULT OF INSTALLATION OF ANYTHING OTHER THAN BASIS OF DESIGN EQUIPMENT.
- ELECTRICAL WORK SHALL BE PROVIDED TO COMPLY WITH NFPA 70, THE APPLICABLE NATIONAL ELECTRICAL CODE, AS WELL AS ALL APPLICABLE STATE LAW AND LOCAL ORDINANCES. THE OWNER'S STANDARD'S OF CONSTRUCTION APPLY TO THE WORK FOR THIS PROJECT. ALL CONSTRUCTION POLICES AND STANDARDS OF CONSTRUCTION FORM THE BASIS OF THIS PROJECT WORK.
- PAY FOR PERMITS, ALL INSPECTIONS REQUIRED, AND PROVIDE A CERTIFICATE OF INSPECTION. KEEP "AS-BUILT" INFORMATION DURING THE CONSTRUCTION AND FURNISH THE OWNER REPRESENTATIVE A RECORD SET OF BLACKLINE, BOTH HARD COPY AND DIGITAL, AT THE COMPLETION OF THE PROJECT WORK.
- ALL ITEMS OF WORK AND MATERIALS SHALL BE SPECIFICALLY INSTALLED PER WRITTEN INSTALLATION INSTRUCTIONS AND METHODS OF INSTALLATION AS PROVIDED BY THE MANUFACTURER OF THE EQUIPMENT OR MATERIAL PROVIDED. CONTRACTOR SHALL UNDERSTAND THE PRODUCT AND PROVIDE FOR SAFE METHODS OF INSTALLATION. ALL REQUESTS FOR ADDITIONAL INFORMATION DURING CONSTRUCTION WHERE THE CONTRACTOR HAS NOT PREVIOUSLY OBTAINED THIS INFORMATION DURING BIDDING PURPOSES MAY RESULT IN BACK CHARGES TO THE CONTRACTOR, AS PROVIDED FOR IN THE CONTRACT DOCUMENTS.
- AS REQUIRED BY DEEM, AND PRIOR TO BEGINS, THE ELECTRICAL CONTRACTOR SHALL CONTACT THE UTILITY COMPANY TO ACCESS AND WORK WITH EXISTING UTILITY TRANSFORMED IMPACTED BY THIS PROJECT. CONTRACTOR SHALL PROVIDE, BUT IS NOT LIMITED TO, CONDUIT, CABLE, CONNECTIONS, GROUNDING EQUIPMENT, METER BASE, POTENTIAL TRANSFORMERS, CURRENT TRANSFORMERS, HARDWARE, CABINETS, AND RELATED EQUIPMENT REQUIRED FOR A COMPLETE ELECTRICAL SERVICE.
- CONTRACTOR SHALL GUARANTEE WORK INSTALLED UNDER THE CONTRACT TO BE FREE FROM DEFECTIVE WORKMANSHIP AND MATERIALS, USUAL WEAR EXPECTED, AND SHOULD ANY SUCH DEFECTS DEVELOP WITHIN A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE LIGHTING SYSTEMS BY THE OWNER, THIS CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DEFECTIVE ITEMS AND DAMAGE RESULTING FROM FAILURE OF THESE ITEMS AT NO EXPENSE WHATSOEVER TO THE OWNER REPRESENTATIVE.

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MASTERCARD - PARKING ADDITION

Lumark

PPRPV PREVAL POLE AND FIXTURE COMBO

LED POLE AND FIXTURE COMBO

DESCRIPTION
The Preval® LED pole and fixture combination makes selection and installation of poles and fixtures simple. Included is the die-cast Preval area, site and roadway luminaire with standard mounting arm, square straight steel pole, anchor bolts, base cover, template and hardware. Stock configurations are available in single and dual fixture combinations. The Preval luminaire delivers a new level of versatility and value in patent pending, architectural design that delivers energy savings greater than 92%, and replaces 150-450W metal halide fixtures. The Preval fixture and pole combo is ideal for general area site lighting applications.

SPECIFICATION FEATURES
Construction
Construction is comprised of a heavy-duty, single-piece die-cast aluminum housing in dark bronze polyester powder coat. The die-cast aluminum door is tapered to provide easy access to the driver if replacement is required. 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 IP68 and 50' vibration rated (ANSI C136.31).
Optics
Available in Type II and IV distributions with lumen packages ranging from 6,173 to 18,992 nominal lumens. Light engine configurations consist of 1 or 2 high-efficiency LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life life to 120,000 hours at 25°C per ESN4 TM-21. For the ultimate level of spill light control, an optional House Side shield accessory can be field or factory installed.

Electrical
Available in 120-277V 50/60Hz, 10W/10A surge protection standard, 0-10V dimming driver is standard with leads external to the fixture to accommodate controls capability such as dimming and occupancy. Suitable for ambient temperatures from -40°C to 40°C.
Mounting
The versatile, patent pending, 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.

Finish
Housing and cast parts finished in five-stage super TiC, polyester bronze powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear.

Warranty
Five-year warranty.

CERTIFICATION DATA
UL and cUL Wet Location Listed (Wet Site)
50' Vibration Rated
ESQ 9001

ENERGY DATA
Electronic LED Driver
CFL Power Factor
-20% Total Harmonic Distortion
100-277V AC and 60Hz
847V RMS, 40V/60Hz
80°C Maximum Temperature Rating
40°C Ambient Temperature Rating

EPA
(Effective Projected Area (EPA), F1, 0.7)

SHIPPING DATA
Approximate Net Weight
26lbs. 39.09 kgs (1 Fixture)

TD6000EN
August 1, 2018 3:08 PM

Dimensions:
13-15/16" (35mm) x 2-5/8" (70mm) x 26-13/16" (681mm)

Pole Mount Arm:
1-1/4" (32mm) x 1-1/4" (32mm) x 4-1/8" (107mm)

Base View:
4-1/8" (107mm) x 4-1/8" (107mm) x 3-3/8" (86mm)

Table:

| Project | Type | Date |
|---------|------|------|
| | | |

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MASTERCARD - PARKING ADDITION

PPRPV PREVAL POLE AND FIXTURE COMBO

CONTROL OPTIONS
0-10V (D)
This fixture is offered standard with 0-10V dimming driver(s). The dimming option provides 0-10V dimming wire leads for use with a lighting control panel or 0/1 control method.
Photocell (PER and PER7)
Photocell receptacles (PER 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.
Dimming Occupancy Sensor (MSP/DIM-LXX, MSP-LXX and MSP-LXX)
These sensors are factory installed in the luminaire housing. When the MSP/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 MSP/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MSP-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity.
These occupancy sensors includes an integral photocell that can be activated with the ISH-01 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The ISH-01 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'-30".

WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7R-10A)
The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomical or time schedules based on a 7 day week.

ORDERING INFORMATION
Sample Number: PFRPV-1-440-T3-25-9HSS

| Base(s) 1" | Number of Fixtures | Light Engine | Distribution | Pole Height | Maximum Wind Zone (MPH) | Options (Add as Suffix) | Accessories (Order Separately) |
|-------------------------------------|--------------------|--|--------------------------|----------------------------------|-------------------------|---|--------------------------------|
| PPRPV Preval Pole and Fixture Combo | 1-1, 2-2, 4-4 | A15-C1 LED 1000 Nominal Lumens A25-C1 LED 2000 Nominal Lumens A40-C1 LED 4000 Nominal Lumens | T2-Type II T4-Type IV | 18-30 20-27 26-30 30-33 | 18-30 8-10 9-10 | MSB-HSS House Side Shield MSR-HSS House Side Shield MSP/DIM-LXX Dimming and Occupancy Sensor for Dimming Operation: 0 - 10' Mounting Height Operation: 12 - 20' Mounting Height PER-NEMA 7PIN Twistlock Photocell Receptacle PER-NEMA 7PIN Twistlock Photocell Receptacle 1 | MSWBSD-HSS House Side Shield |

POWER AND LUMENS

| Light Engine | A15 | A25 | A40 | A60 |
|--------------------------|------|------|-------|-------|
| Nominal Power (Watts) | 570W | 870W | 1430W | 1630W |
| Input Current @ 120V (A) | 0.49 | 0.76 | 1.23 | 1.34 |
| Input Current @ 277V (A) | 0.22 | 0.36 | 0.64 | 0.60 |
| Input Current @ 347V (A) | 0.18 | 0.28 | 0.49 | 0.49 |
| Input Current @ 480V (A) | 0.13 | 0.21 | 0.33 | 0.35 |

LUMEN MAINTENANCE

| Ambient Temperature | 25,000 Hours* | 50,000 Hours* | 65,000 Hours* | Theoretical 100,000 Hours* | Theoretical L70 (hours)* |
|---------------------|---------------|---------------|---------------|----------------------------|--------------------------|
| 25°C | >96% | >92% | >91% | >87% | >260,000 |
| 40°C | >96% | >92% | >92% | >87% | >255,000 |
| 60°C | >95% | >92% | >91% | >86% | >250,000 |

LUMEN MULTIPLIER

| Ambient Temperature | Lumen Multiplier |
|---------------------|------------------|
| 10°C | 1.02 |
| 15°C | 1.01 |
| 20°C | 1.00 |
| 25°C | 1.00 |
| 30°C | 0.98 |

Shipping Data:
Approximate Net Weight: 26lbs. 39.09 kgs (1 Fixture)

NOTE: Lumen output for standard bronze fixture color. Different housing colors result in lower lumen output. 80 lumens for the non-standard colors are not included in this table.

Eaton
Power Quality Division
Piquette Ave., CA 30059
Piquette, OH 45661
www.eaton.com/lighting

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MASTERCARD PARKING LOT E APPLICATION SITE PLAN - SPECIFICATIONS

PROJ #: 18716
DATE: 2018.10.01
Issued for Bid
REV: 10.18.18 REV 1
11.21.18 City Comments
12.20.18 City Submittal
SCALE: As Noted
DRAWING NO:

L-3