



HOUSING: DIE CAST ALUMINUM HOUSING, DIE CAST ALUMINUM KNUCKLE. MOUNTING HARDWARE TO ATTACH TO EXISTING WOOD POLE. EXTRUDED GASKET TO SEAL LENS TO HOUSING. PROVIDE CUTOFF HOOD TO LIMIT UPLIGHT. COORDINATE FINAL AIMING WITH CONTR.

LAMP: 55W LED ARRAY (4,321LM), DISTRIBUTION AS LISTED BELOW, 4000-4500K, 70 CRI.

TVSS: COMPONENT SHALL HAVE A SURGE CURRENT RATING OF 10,000 AMPS USING THE INDUSTRY STANDARD 8/20 PSEC WAVE. THE LSP SHALL HAVE A CLAMPING VOLTAGE OF 320V AND SURGE RATING OF 372J. THE CASE SHALL BE A HIGH-TEMPERATURE, FLAME RESISTANT PLASTIC ENCLOSURE.

DRIVER: GREATER THAN 90% POWER FACTOR AND LESS THAN 10XTHD (55W) WITH AUTOMATIC THERMAL SELF-PROTECTION. 120V/208V UNLESS NOTED OTHERWISE. FIELD VERIFY EXISTING FIXTURE VOLTAGES PRIOR TO ORDERING.

FINISH: FINISH SHALL BE DARK BRONZE POLYESTER POWDERCOAT ELECTROSTATICALLY APPLIED AND THERMOURED. LUMINAIRES SHALL BE SUBJECTED TO IRON PHOSPHATE CHEMICAL PRE-TREATMENT PRIOR TO PAINTING BY IMMERSION PROCESS.

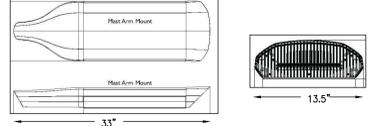
WARRANTY: 5 YEARS

LISTINGS: UL LISTED FOR WET LOCATIONS.

DISTRIBUTIONS: HORIZONTAL FLOOD



FLOOD LIGHTING LUMINAIRE



HOUSING: DIE CAST ALUMINUM ARM ADAPTER, EXTRUDED ALUMINUM HOUSING AND BODY, DIE CAST ALUMINUM END CAP. MAST ARM MOUNT FOR 2.375" O.D. HORIZONTAL TENON. THREE STAINLESS STEEL SET SCREWS. THE DRIVERS SHALL BE LOCATED IN THE TOP CAST HOUSING AND SHALL BE ACCESSIBLE WITHOUT TOOLS BY HINGING THE UPPER SHADE ASSEMBLY. PROVIDE TWIST-LOCK INTEGRAL PHOTOCELL.

LAMP: 90W LED ARRAY (7,668LM), DISTRIBUTION AS LISTED BELOW, 4000-4500K, 70 CRI.

TVSS: COMPONENT SHALL HAVE A SURGE CURRENT RATING OF 10,000 AMPS USING THE INDUSTRY STANDARD 8/20 PSEC WAVE. THE LSP SHALL HAVE A CLAMPING VOLTAGE OF 320V AND SURGE RATING OF 372J. THE CASE SHALL BE A HIGH-TEMPERATURE, FLAME RESISTANT PLASTIC ENCLOSURE.

DRIVER: GREATER THAN 90% POWER FACTOR AND LESS THAN 10XTHD (90W) WITH AUTOMATIC THERMAL SELF-PROTECTION. 120V UNLESS NOTED OTHERWISE. FIELD VERIFY EXISTING FIXTURE VOLTAGES PRIOR TO ORDERING.

FINISH: FINISH SHALL BE SILVER (TO MATCH EXISTING POLE) POLYESTER POWDERCOAT ELECTROSTATICALLY APPLIED AND THERMOURED. LUMINAIRES SHALL BE SUBJECTED TO IRON PHOSPHATE CHEMICAL PRE-TREATMENT PRIOR TO PAINTING BY IMMERSION PROCESS.

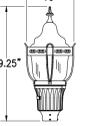
WARRANTY: 5 YEARS

LISTINGS: UL LISTED FOR WET LOCATIONS.

DISTRIBUTIONS: PL2-TYPE IV



SITE LIGHTING LUMINAIRE



HOUSING: LOW COPPER CAST ALUMINUM ALLOY WITH DECORATIVE CAST ALUMINUM FINIAL. FITTER DESIGNED TO ACCOMMODATE THE BALLAST ASSEMBLY AND SHALL MOUNT TO 3"OD X 3"HT TENON AND SECURED BY THREE STAINLESS STEEL SET SCREWS. THE DRIVERS SHALL BE LOCATED IN THE BOTTOM CAST HOUSING AND SHALL BE ACCESSIBLE WITHOUT TOOLS BY HINGING DOOR. MANUFACTURER SHALL BE IN BUSINESS OF OUTDOOR LIGHTING FIXTURES FOR 10 YEARS. SUBMIT ALL REQUIREMENTS WITH SHOP DRAWINGS. UL LISTED FOR WET LOCATIONS. SOLID TOP CASTING AND FINAL AS SHOWN.

LENS: PRECISELY MOLDED THERMAL RESISTANT BOROSILICATE GLASS REFRACTOR, SEALED WEATHERIGHT, ACRYLIC OR POLYCARBONATE IS NOT PERMITTED.

LAMP: HIGH POWER LED ARRAY WITH HIGH PERFORMANCE HEAT SINK VENTED TO OUTSIDE AIR FOR DYNAMIC COOLING, DISTRIBUTION AS LISTED BELOW. 4,000-4,500K, 70 CRI. MIN. 70% MAINTAINED LUMENS AT 70,000 HOURS. FIXTURE SHALL EMIT NO MORE THAN 5% LUMENS ABOVE 90 DEG. (DARK SKY FRIENDLY). SUBMIT IES LM-79 AND LM-63 PHOTOMETRIC REPORT. PROVIDE L70 LIFE EXPECTANCY REPORT. MINIMUM L70 LIFE IS TO BE 70,000 HOURS AT 25 DEG C.

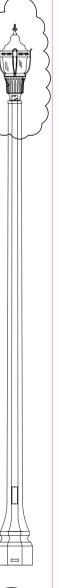
TVSS: COMPONENT SHALL HAVE A SURGE CURRENT RATING OF 10,000 AMPS USING THE INDUSTRY STANDARD 8/20 PSEC WAVE. THE LSP SHALL HAVE A CLAMPING VOLTAGE OF 320V AND SURGE RATING OF 372J. THE CASE SHALL BE A HIGH-TEMPERATURE, FLAME RESISTANT PLASTIC ENCLOSURE.

DRIVER: CLASS 2, IP66 SEALED, GREATER THAN 90% POWER FACTOR AND LESS THAN 10XTHD (60-100W) WITH AUTOMATIC THERMAL SELF-PROTECTION. 480V UNLESS NOTED OTHERWISE. FIELD VERIFY EXISTING FIXTURE VOLTAGES PRIOR TO ORDERING. PROVIDE STEP DOWN TRANSFORMER IF REQUIRED.

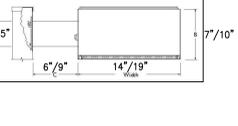
FINISH: FINISH SHALL BE DARK BRONZE POLYESTER POWDERCOAT ELECTROSTATICALLY APPLIED AND THERMOURED. LUMINAIRES SHALL BE SUBJECTED TO IRON PHOSPHATE CHEMICAL PRE-TREATMENT PRIOR TO PAINTING BY IMMERSION PROCESS. ASTM D3359, B117, D2247, D1737 PASSING TESTS.

WARRANTY: 5 YEARS

VARIATIONS: PL3-TYPE III PL4-TYPE III
PL5-TYPE V PL6-TYPE III



SITE LIGHTING STANDARD



HOUSING: ONE PIECE FORMED OR EXTRUDED ALUMINUM. UL LISTED FOR WET LOCATIONS.

LENS: OPTICALLY CLEAR, HEAT AND IMPACT RESISTANT TEMPERED FLAT GLASS SEALED WITH EXTRUDED SILICONE RUBBER GASKET. CONCEALED STAINLESS STEEL LATCH AND HINGE FOR TOOLLESS ENTRY.

LAMP: HIGH POWER LED ARRAY WITH HIGH PERFORMANCE HEAT SINK VENTED TO OUTSIDE AIR FOR DYNAMIC COOLING, DISTRIBUTION AS LISTED BELOW. 4000K, 75 CRI. MIN. 80lm/W. 70% MAINTAINED LUMENS AT 150,000 HOURS. FIXTURE SHALL EMIT NO LUMENS ABOVE 90 DEG. (DARK SKY FRIENDLY). SUBMIT IES LM-79 AND LM-63 PHOTOMETRIC REPORT. PROVIDE L70 LIFE EXPECTANCY REPORT. MINIMUM L70 LIFE IS TO BE 150,000 HOURS.

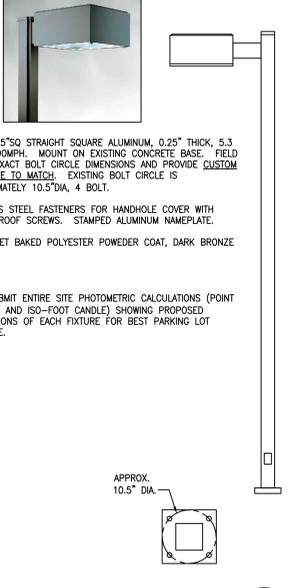
TVSS: COMPONENT SHALL HAVE A SURGE CURRENT RATING OF 10,000 AMPS USING THE INDUSTRY STANDARD 8/20 PSEC WAVE. THE LSP SHALL HAVE A CLAMPING VOLTAGE OF 320V AND SURGE RATING OF 372J. THE CASE SHALL BE A HIGH-TEMPERATURE, FLAME RESISTANT PLASTIC ENCLOSURE.

DRIVER: CLASS 2, IP66 SEALED, GREATER THAN 90% POWER FACTOR AND LESS THAN 10XTHD (60W) WITH AUTOMATIC THERMAL SELF-PROTECTION. 480V UNLESS NOTED OTHERWISE. 277V, FIELD VERIFY EXISTING FIXTURE VOLTAGES PRIOR TO ORDERING. PROVIDE STEP DOWN TRANSFORMER IF REQUIRED.

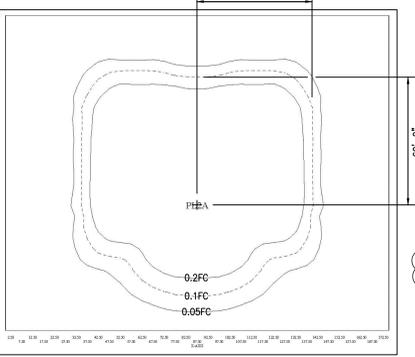
FINISH: FINISH SHALL BE DARK BRONZE POLYESTER POWDERCOAT ELECTROSTATICALLY APPLIED AND THERMOURED. LUMINAIRES SHALL BE SUBJECTED TO IRON PHOSPHATE CHEMICAL PRE-TREATMENT PRIOR TO PAINTING BY IMMERSION PROCESS.

WARRANTY: 5 YEARS

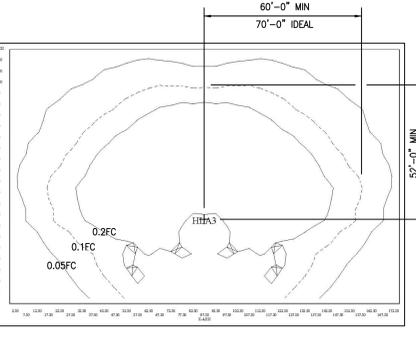
VARIATIONS: PL7-TYPE IV (70W, 5,989 LUMENS) 14" WIDTH
PL7A-TYPE IV (110W, 8,874 LUMENS) 19" WIDTH
PL8-TYPE V (70W, 5,989 LUMENS) 14" WIDTH



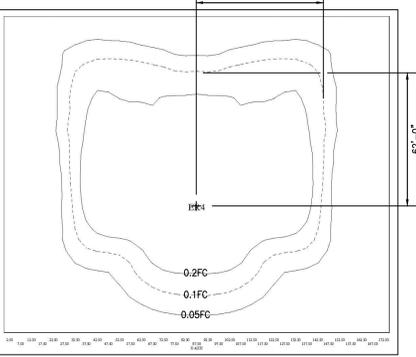
SITE LIGHTING STANDARD



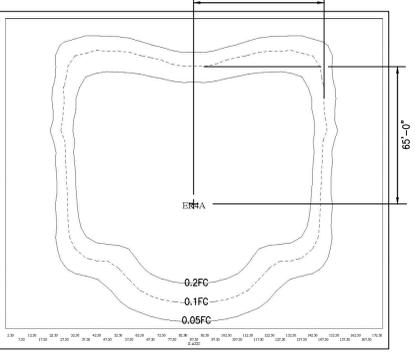
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LUMEN DEP: 0.85
DIRT DEP: 0.95
MOUNT. HT: 20'-0"



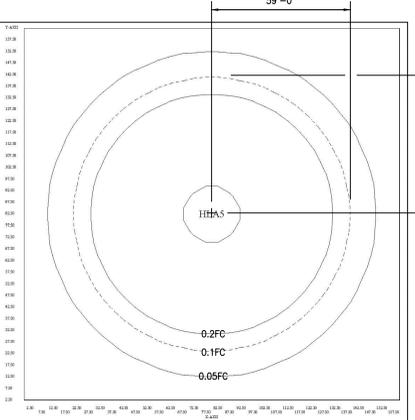
TYPE "PL3, PL4, PL6" PHOTOMETRIC REPORT
LUMEN DEP: 0.85
DIRT DEP: 0.95
MOUNT. HT: 20'-0"



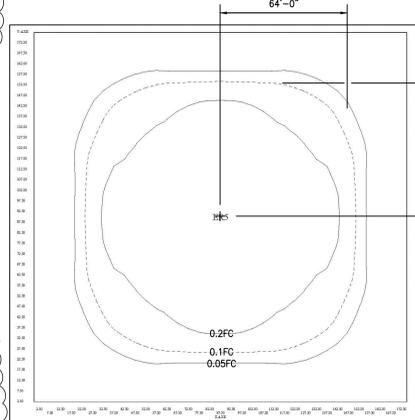
TYPE "PL7" PHOTOMETRIC REPORT
LUMEN DEP: 0.85
DIRT DEP: 0.95
MOUNT. HT: 20'-0"



TYPE "PL7A" PHOTOMETRIC REPORT
LUMEN DEP: 0.85
DIRT DEP: 0.95
MOUNT. HT: 20'-0"



TYPE "PL5" PHOTOMETRIC REPORT
LUMEN DEP: 0.85
DIRT DEP: 0.95
MOUNT. HT: 20'-0"



TYPE "PL8" PHOTOMETRIC REPORT
LUMEN DEP: 0.85
DIRT DEP: 0.95
MOUNT. HT: 20'-0"

ENGINEER:



Heapy Engineering
Mechanical Electrical Commissioning Technology
Nationally Recognized Leader in Sustainability / LEED
1400 W Dorothy Lane, Dayton OH 45409-1310
Ph: 937-224-0861 Fax: 937-224-5777 www.heapy.com
Heapy Project Number: 2012-24610 Firm License: 61528

Drawing Title
LIGHTING FIXTURE SCHEDULES

Project Title
INSTALL LED LIGHTS AND POLES

Location
4100 WEST THIRD STREET
DAYTON, OH 45428

Date
10-29-2012

Checked
MSG

Drawn
MSG

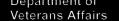
Project Number
552-13-103

Building Number
SITE

Drawing Number
E503

Dwg 6 of 8

Office of
Construction
and Facilities
Management



PROJECT NO. 2012-04010
HEAPY ENGINEERING
DAYTON/COLUMBUS, OHIO & INDIANAPOLIS, INDIANA
DATE: 10/29/2012
DRAWN BY: JAC
CHECKED BY: MSG
DATE PLOTTED: 11/1/2012 10:58:47 AM
PLOTTER: HP DesignJet T1100e

ADDENDUM NO. 2
Revisions
1/7/2013
Date

VA FORM 08-6231