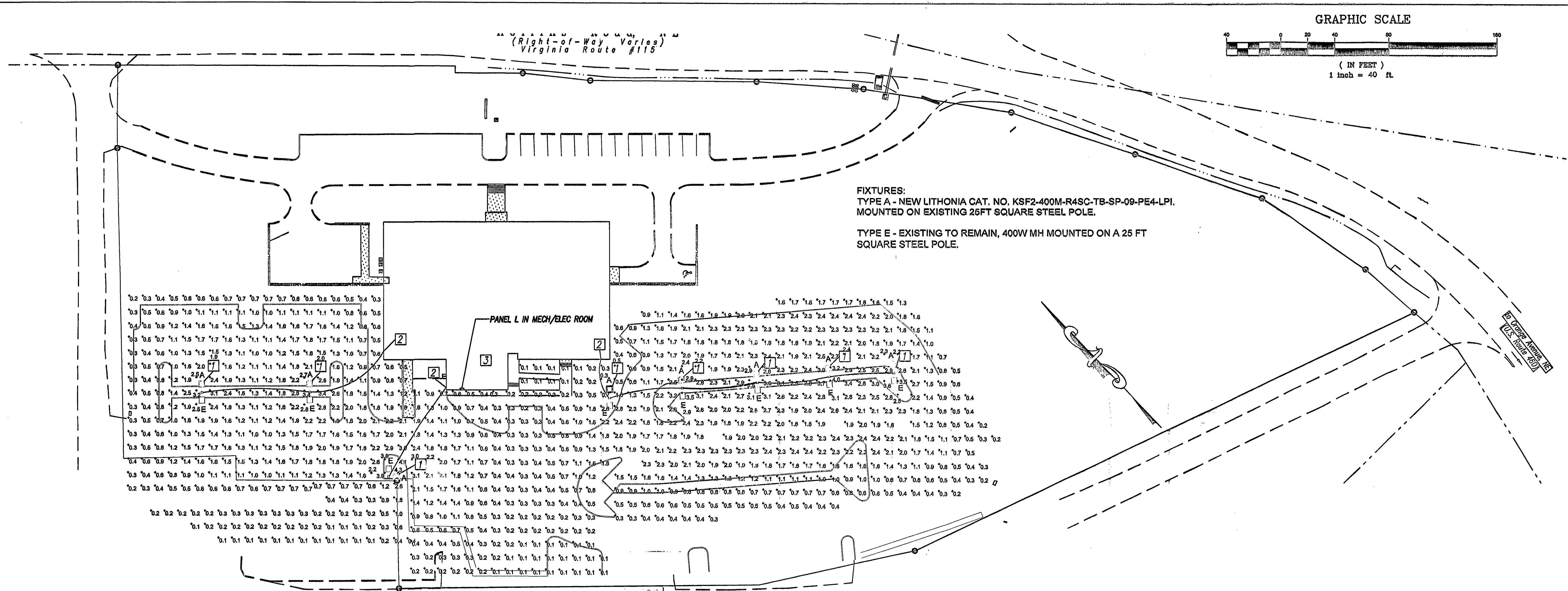
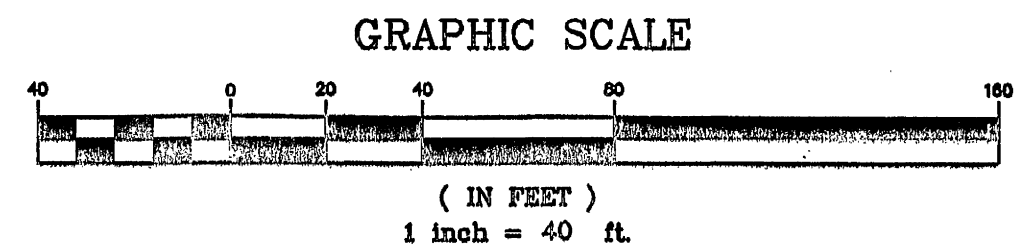




FIXTURES:
TYPE A - NEW LITHONIA CAT. NO. KSF2-400M-R4SC-TB-SP-09-PE4-LPI.
MOUNTED ON EXISTING 26FT SQUARE STEEL POLE.

TYPE E - EXISTING TO REMAIN, 400W MH MOUNTED ON A 25 FT
SQUARE STEEL POLE.



FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for car lots, street lighting or parking areas.

CONSTRUCTION — Rugged, .063" thick, aluminum rectilinear housing. Formed for weather-tight seal and integrity. Naturally anodized, extruded aluminum door frame with milled corners. It is milled with two .188" diameter hinge pins and secured with one quarter-turn, quick-release fastener. Weatherproof seal between housing and door frame is accomplished with an integrally designed, extruded silicone gasket that snaps into the door frame, and another gasket applied to the housing.

Finish — Standard finish is clear anodized (D90), polyester powder finish with other architectural colors available.

OPTICS — Reflectors are anodized and segmented for superior uniformity and control. Reflectors attach with toolless fasteners and are rotatable and interchangeable. Five cutoff distributions available: Type II (roadway), Type III (asymmetric), Type IV (forward throw, sharp cutoff), Type IV (wide, forward throw), Type V (square), Lens is .125" thick impact-resistant tempered glass with thermally applied site-screened shield.

ELECTRICAL — Built-in constant wattage ballast conforming to 250-400W Super CWA pole-start ballast required for 320W and 350W (SCWA option). Super CWA pole-start ballast, 90% efficient and EISA legislation compliant, is required for 250-400W (SCWA option) for U.S. shipments only. CSA or IEC required for probe-start shipments outside the U.S.

Ballasts are 100% factory-tested.

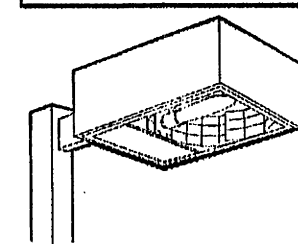
Socket is porcelain, horizontally mounted mogul-base socket with copper alloy nickel-plated screw shell and center contact. UL listed 1500W-400W.

INSTALLATION — Extruded aluminum arm for pole or wall mounting is shipped in future carton. Optional mounting available.

LISTING — UL listed (standard), CSA Certified (see Options), NOM Certified (see Options), UL listed for 25°C ambient temperature and wet locations. IP65 rated.

Note: Specifications subject to change without notice.

Category Number	KSF2-400M-R4SC-TB-SP-09-PE4-LPI
Note	MOUNT FIXTURE TO EXISTING SQ STEEL POLE
Type	TYPE A



Area Lighting
KSF2

METAL HALIDE: 250-400W
HIGH PRESSURE SODIUM: 200-400W

15' to 25' Mounting

Specifications

EPH: 2.0 ft (2.0 m)
(includes arm)

Length: 24-19/32 (62.5)

Width: 17-25/32 (62.5)

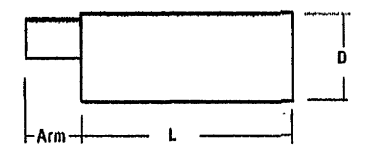
Depth: 8-5/16 (21.1)

Arm: 4 (10.2)

Weight: 52 lbs (23.6 kg)

*Weight as configured in example below.

All dimensions are inches (tenths) unless otherwise specified.



Mounting option	Drilling template
SPax, RPax, DA12P	5
WBax, DA12WB	6
WWax	7

Example: KSF2 400M R3 TB SCWA SP04 LPI

ORDERING INFORMATION		For shortest lead times, configure as follows		not listing bolded options	
Series	Wattage	Ballast	Mounting	Arm length	Shipped separately
KSF2	400M	R4SC	TB	SP-09-PE4-LPI	
KSF2	250W	350W	R3	SP-09	DA12P
KSF2	350W	400W	R4	SP-09	DA12WB
KSF2	400W	400W	R5	SP-09	DA12WB
KSF2	400W	400W	R6	SP-09	DA12WB
KSF2	400W	400W	R7	SP-09	DA12WB
KSF2	400W	400W	R8	SP-09	DA12WB
KSF2	400W	400W	R9	SP-09	DA12WB
KSF2	400W	400W	R10	SP-09	DA12WB
KSF2	400W	400W	R11	SP-09	DA12WB
KSF2	400W	400W	R12	SP-09	DA12WB
KSF2	400W	400W	R13	SP-09	DA12WB
KSF2	400W	400W	R14	SP-09	DA12WB
KSF2	400W	400W	R15	SP-09	DA12WB
KSF2	400W	400W	R16	SP-09	DA12WB
KSF2	400W	400W	R17	SP-09	DA12WB
KSF2	400W	400W	R18	SP-09	DA12WB
KSF2	400W	400W	R19	SP-09	DA12WB
KSF2	400W	400W	R20	SP-09	DA12WB
KSF2	400W	400W	R21	SP-09	DA12WB
KSF2	400W	400W	R22	SP-09	DA12WB
KSF2	400W	400W	R23	SP-09	DA12WB
KSF2	400W	400W	R24	SP-09	DA12WB
KSF2	400W	400W	R25	SP-09	DA12WB
KSF2	400W	400W	R26	SP-09	DA12WB
KSF2	400W	400W	R27	SP-09	DA12WB
KSF2	400W	400W	R28	SP-09	DA12WB
KSF2	400W	400W	R29	SP-09	DA12WB
KSF2	400W	400W	R30	SP-09	DA12WB
KSF2	400W	400W	R31	SP-09	DA12WB
KSF2	400W	400W	R32	SP-09	DA12WB
KSF2	400W	400W	R33	SP-09	DA12WB
KSF2	400W	400W	R34	SP-09	DA12WB
KSF2	400W	400W	R35	SP-09	DA12WB
KSF2	400W	400W	R36	SP-09	DA12WB
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KSF2	400W	400W	R39	SP-09	DA12WB
KSF2	400W	400W	R40	SP-09	DA12WB
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KSF2	400W	400W	R42	SP-09	DA12WB
KSF2	400W	400W	R43	SP-09	DA12WB
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KSF2	400W	400W	R45	SP-09	DA12WB
KSF2	400W	400W	R46	SP-09	DA12WB
KSF2	400W	400W	R47	SP-09	DA12WB
KSF2	400W	400W	R48	SP-09	DA12WB
KSF2	400W	400W	R49	SP-09	DA12WB
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KSF2	400W	400W	R51	SP-09	DA12WB
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KSF2	400W	400W	R97	SP-09	DA12WB
KSF2	400W	400W	R98	SP-09	DA12WB
KSF2	400W	400W	R99	SP-09	DA12WB
KSF2	400W	400W	R100	SP-09	DA12WB

Options	Accessories	Notes
Shipped separately	Emergency circuit	1. These wattages are the NEMA ratings to be used for all wiring.
Shipped separately	CSA Certified	2. The reduced wattage lamp.
Shipped separately	NOM Certified	3. Must be ordered with SCWA.
Shipped separately	INTEL	4. These wattages are not compatible with California Title 20 regulations.
Shipped separately	Available for MLI probe-start	5. Not available with SCWA.
Shipped separately	Shipping outside the U.S.	6. Must specify CWA for use in Canada.
Shipped separately	KW1	7. Optional multi-tap ballast (120, 240, 270V, 120, 270, 240V in Canada).
Shipped separately	KW4	8. S4F in Canada.
Shipped separately	RESC1	9. Consult factory for available wattages.
Shipped separately	RESC1	10. Use 9" arm when two or more luminaires are selected on a 9"

Accessories: Tension Mounting System	Notes
Tension O.D.	1. These wattages are the NEMA ratings to be used for all wiring.
One	2. The reduced wattage lamp.
Two	3. Must be ordered with SCWA.
Three	4. These wattages are not compatible with California Title 20 regulations.
Four	5. Not available with SCWA.
Five	6. Must specify CWA for use in Canada.
Six	7. Optional multi-tap ballast (120, 240, 270V, 120, 270, 240V in Canada).
Seven	8. S4F in Canada.
Eight	9. Consult factory for available wattages.
Nine	10. Use 9" arm when two or more luminaires are selected on a 9"

OUTDOOR

KSF2-U-3

SHEET NOTES:

- MOUNT NEW TYPE A FIXTURE ON EXISTING SQUARE STEEL POLE. DRILL HOLES IN POLE AND USE MANUFACTURER'S STANDARD BOLTS AND HARDWARE TO FASTEN FIXTURE TO POLE. CONNECT TO EXISTING LIGHTING BRANCH CIRCUIT.
- EXISTING CONDUIT TO POLE LIGHTS FROM PANEL L TO REMAIN.
- EXISTING 480V PANEL L. EXISTING LIGHTING CIRCUIT CONNECTED TO POLES 2, 4, 6 OF A 30A FUSED SWITCH. REPLACE EXISTING 20A FUSES WITH NEW 25A FUSES.

APPROVED
OCT 2 2 2012

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COMMONWEALTH OF VIRGINIA
W. BOYCE BLANCHARD
Lic. No. 25878
25 JUN 2012
PROFESSIONAL ENGINEER

SITE LIGHTING PLAN

DEVELOPMENT PLAN SHOWING
PARKING LOT IMPROVEMENTS
FOR
WESTERN VIRGINIA WATER AUTHORITY
SITUATED AT
3322 HOLLINS ROAD
THE CITY OF ROANOKE, VIRGINIA

REVISIONS
NO. DATE DESCRIPTION
1
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DATE: May 30, 2012
SCALE: SCALE
COMMISSION NO: COMM.
SHEET 1 OF 1