



STAFF APPROVAL NO. 34-SA-2010

SUBMIT ONE COPY OF THIS APPROVAL LETTER TO THE ONE-STOP SHOP TO OBTAIN A MINIMUM
BUILDING/ELECTRICAL PERMIT.

PLEASE KEEP ONE COPY OF APPROVED PLANS AND THIS STAFF APPROVAL LETTER ON SITE AT ALL TIMES
FOR INSPECTOR.

PROJECT NAME: Indian River Plaza site lighting

LOCATION: 7901 E Thomas Rd

___ PARCEL 131-24-002M QUARTER SECTION 14-46

COMPANY NAME: Ferrin Electric Co Inc

APPLICANT'S NAME: Bruce Berrett

ADDRESS: 9851 E Boulder Drive Mesa, AZ 852078009

PHONE: 480-892-1995 FAX:

REQUEST Change out light fixture heads in an existing shopping center.

STAFF APPROVAL NOTIFICATION

This letter is notification that your REQUEST is approved conceptually by Planning and Development Services Staff. Plans shall be submitted for permits as required by the One-Stop Shop. **This approval expires one (1) year from date of approval if a permit is required but has not been issued.**

These stipulations are in order to protect the public health, safety, welfare, and the City of Scottsdale.

- | | | |
|---|---------------|--|
| x | STIPULATIONS: | <ol style="list-style-type: none">1. Application to replace existing High Pressure Sodium fixtures to Metal Halide on existing poles in the parking lot.2. The two poles at the north end of the parking lot (closest to Thomas Rd.), as shown on plans submitted and approved by the city on 1/26/2010, shall be replaced with WideLite AL3P-250 with one single fixture and one 250W MH lamp per pole.3. The remaining 8 poles, as shown on plans submitted and approved by the city on 1/26/2010, shall be replaced with WideLite OPP-450, each pole shall have one single fixture and one 450W MH lamp per pole.4. The maximum height of any light pole and base combination shall not exceed 22'-5" from finished grade to bottom of fixture.5. All exterior light poles and pole fixtures shall be flat black or dark bronze.6. Fixtures shall be full cut-off.7. The Kelvin temperature of the lamp shall not exceed 4100K. |
|---|---------------|--|

RELATED CASES 34-SA-2010

SIGNATURE:

Abbey Lammers

Date Approved: 1/26/2010

STAFF: Please distribute to the list below and return this letter, along with approved plans, to the Coordination Specialists.

984.1998 FAX

2-4 wks

Abbey 480-312-2703



Staff Approval Application

Submittal Requirements

Project Name: INDIAN RIVER PLAZA City Staff Contact: Abbey Hammers
 Project Address: 7901-7919 E Thomas Rd Scottsdale 85251
 Zoning: C-2 A.P.N.: 131-24-002M Quarter Section: 14.46
 Associated References: Project Number: 761 -PA-2009 Plan Check Number: _____ C.A.M.A.(X) _____
 Request: To change out light fixture heads in an existing shopping center. ROC-1017206
 Is there an outstanding Code Enforcement citation or Notice of Compliance? ☐ Yes ☒ No If yes, provide a copy.
 Owner: INDIAN RIVER PLAZA, LLC Applicant: BRUCE BERRETT
 Company: _____ Company: FERRIN Electric
 Phone: 480-368-0111 Fax: 480 368-0444 Phone: 480-892-1995 Fax: 480 984-1998
 E-mail: _____ E-mail: FERRINElectric@yahoo.com
 Address: 6621 N Scottsdale Rd 85250 Address: PO Box 2828 MESA 85214

Submittal Requirements: Please submit 1 copy of materials requested below. All plans must be folded.

- | | |
|--|--|
| <input checked="" type="checkbox"/> Completed Application (this form) and Application Fee-- \$ (fee subject to change every July) <u>\$82.00</u>
<input checked="" type="checkbox"/> Context Aerial with site highlighted
<input checked="" type="checkbox"/> Site Location Map
<input checked="" type="checkbox"/> Maricopa County Assessor's Parcel Map with site location highlighted
<input checked="" type="checkbox"/> Narrative describing nature of request
<input checked="" type="checkbox"/> Property Owner's Authorization, or signature below
<input checked="" type="checkbox"/> Homeowners/Property Owners Association Approval (if applicable).
<input checked="" type="checkbox"/> Color Photographs of site- including all areas of change.
<input checked="" type="checkbox"/> Site plan indicating extent and location of additions, buildings and other structures, indicate dimensions of existing and proposed structures, sidewalks, or driveways as well as any required setbacks.
<input checked="" type="checkbox"/> Lighting- provide cut sheets, details, photometric for any proposed lighting. | <input type="checkbox"/> Cross Sections- for all cuts and fills
<input type="checkbox"/> Floor Plan(s) of additions, alterations, or new structures. The floor plan shall be dimensioned and clearly delineate existing and proposed construction.
<input type="checkbox"/> Landscape Plan indicating location of existing and new plants, location and dimension of paving, a plant palette with names, symbols, sizes, spacing & quantities, and open space/landscaping calculations.
<input checked="" type="checkbox"/> Elevation Drawings or Color Photosimulations of new additions, buildings, or other changes with materials and colors noted and keyed to material samples.
<input type="checkbox"/> Material Samples- color chips, weaving fabric, glazing, etc.
<input type="checkbox"/> Conceptual Grading & Drainage Plan showing existing & proposed drainage flows, channels and retention.
<input type="checkbox"/> Copy of Liquor License Application (For all bars/restaurants/patios)
<input type="checkbox"/> Airport Vicinity Development Checklist- provided
<input type="checkbox"/> Current Title Report
<input type="checkbox"/> Other: _____ |
|--|--|

Please Note: After staff review, it may be determined that this request requires approval by the Development Review Board through the public hearing process. If approved at staff level, this approval expires twelve (12) months from date of approval if a permit is required but has not been issued.

Signature Bruce Berrett Circle One: Applicant Owner

Date 12/17/09

Official Use Only

Submittal Date: 12/17/09

City Staff Signature [Signature]

Planning & Development Services Department

7447 E Indian School Road, Suite 105, Scottsdale, AZ 85251 • Phone: 480-312-7000 • Fax: 480-312-7800

250 watts

distribution template

Site plan w/ photometric overlay

& to 8 - guidelines

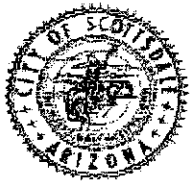
4700-110-101

X

to 8 - guidelines

4700-110-101

4700-110-101



City of Scottsdale Cash Transmittal

82443

82443
7 00706981
12/17/09 PLN-1ST OF
ANNEXMENT CRSDC30041
12/17/2009 1:43 PM
\$82.00

Received From :

FERRIN ELECTRIC CO INC
9851 E BOULDER DR
MESA, AZ 852078009
480-892-1995

Bill To :

FERRIN ELECTRIC CO INC
9851 E BOULDER DR
MESA, AZ 852078009
480-892-1995

Reference # 761-PA-2009

Address 7901 E THOMAS RD

Subdivision

Marketing Name

MCR

APN 131-24-002M

Owner Information

Indian River Plaza, LLC
6621 N. SCOTTSDALE RD
SCOTTSDALE, AZ 85250

Lot Number

County No

Gross Lot Area 0

NAOS Lot Area 0

Net Lot Area

Number of Units 1

Density

Issued Date 12/17/2009

Paid Date 12/17/2009

Payment Type CREDIT CARD

Cost Center

Metes/Bounds No

Water Zone

Water Type

Sewer Type

Meter Size

QS 14-46

Code	Description	Additional	Qty	Amount	Account Number
3180	PRE-APPLICATION / SA		1	\$82.00	100-21300-44221


SIGNED BY BRUCE BERRETT ON 12/17/2009

Total Amount

\$82.00

(When a credit card is used as payment I agree to pay the above total amount according to the Card Issuer Agreement.)

TO HAVE WATER METER SET - CALL 480-312-5650 AND REFER TO TRANSMITTAL # 82443

Ferrin Electric Company, Inc.
P.O. Box 2828
Mesa, AZ 85214-2828
PH: 480-892-1995
FAX: 480-984-1998

Ferrin Electric Co., Inc.

January 19, 2010

RE: Indian River Plaza

The owner asked us to provide replacement fixtures on existing poles in the parking lot. The owner wished to increase the efficiency of the lighting, as High Pressure Sodium fixtures have a higher lumen loss over time than metal halide.

Currently, there are eight poles with each originally holding 4 heads and two poles (along Thomas) with one head. They are 400w HPS fixtures giving a combined wattage of 13,600w. All existing heads are to be removed and replaced. The two poles along Thomas will have a single 250w MH head and the eight poles within the parking lot will have a single 450w MH head. The combined new wattage is 4,100w. This is a reduction of 9,500w.

LANDLORD APPROVAL LETTER

Arizona Partners Retail Investment Group, LLC

6621 N. Scottsdale Rd., Scottsdale, AZ 85250

(480) 368-0111 phone

(480) 368-0444 fax

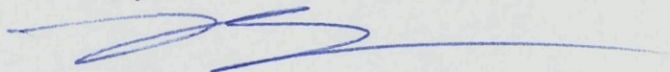
December 17, 2009

City of Scottsdale

To Whom It May Concern:

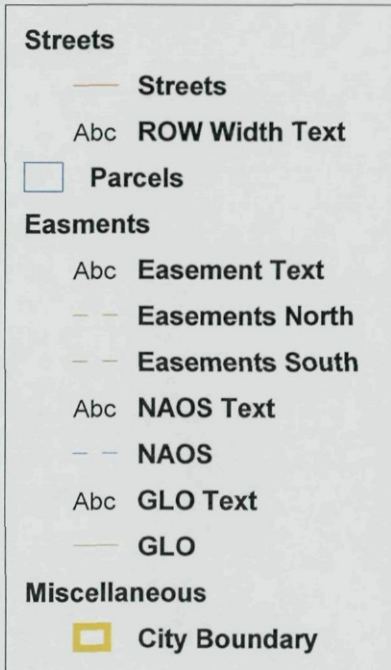
Ferrin Electric has been contracted to perform electrical upgrades to the lighting system on the SWC of Indian School and Hayden. This letter shall serve as written permission for them to pull permits to complete this work. Should you have any questions or concerns, please feel free to contact me at 480-368-0111.

Sincerely

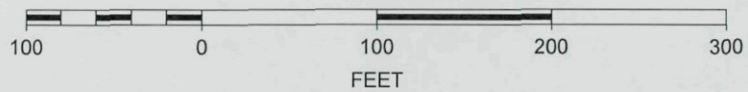
A handwritten signature in blue ink, appearing to read 'Kirk Zenk', with a long horizontal flourish extending to the right.

Kirk Zenk
Asset Manager
Arizona Partners

Map1



SCALE 1 : 1,304





December 22, 2009

Bruce Berrett
Ferrin Electric Co Inc
9851 E Boulder Dr
Mesa, AZ 852078009

RE: 761-PA-2009
Indian River Plaza site lighting

Mr. Berrett

We have finished our preliminary review of your staff approval application for replacement fixtures on existing light poles. Please review and address these items prior to resubmitting your plans.

PLANNING COMMENTS

1. Please review the attached "City Policy for Exterior and Site Lighting." The proposed site location shall maintain footcandles at an average of 2, with a maximum of 8 and the individual luminaire lamp shall not exceed 250 watts.
2. Please review the attached "Submittal Requirements" for exterior site lighting and revise your plans to include these requirements.

If you have further questions and would like to schedule a meeting please contact me at 480-312-2703, or alammers@scottsdaleaz.gov.

Sincerely,

Abbey Lammers
Planning Specialist
City of Scottsdale

Type No. _____

Catalog No. SMR154MA2

Job Name INDIAN RIVER PLAZA

SiteMaster Roadway Series

Horizontal Lamp Cutoff Luminaire

APPLICATIONS

- Building Perimeters, Parks, Recreation Areas, Parking Areas, Roadways, Outdoor Sales Areas, Sport Courts, Outdoor Areas.

CONSTRUCTION

- Precision die-cast aluminum housing.
- One-piece fully gasketed die-cast aluminum lens frame.
- Construction and gasketing prohibit dust, moisture, and bug entry.
- Toolless entry into housing/lamp chamber via door/lens frame latch.
- Corrosion resistant Duraplex II Bronze polyester powder coated finish.
- Optional designer finishes available. See inside back cover of ExcelLine catalog.

ELECTRICAL

- Porcelain spring-loaded 4KV pulse rated socket-mogul base.
- HPF CWA ballast.
- Electrical components mounted to hinged ballast tray.
- Starting temperature: LX(HPS)-40° F/-40° C, MA(MH)-20° F/-30° C.
- **Pulse Start compatible.** See chart in the Energy Saving Products section.

OPTICS

- One-piece hydroformed anodized aluminum reflector.
- Type 4 reflector incorporates segmented inserts.
- 400W MA Types 2 and 4 optics require reduced outer jacketed lamps.

MOUNTING

- Factory installed die-cast aluminum arm.
- Arm contains integral wiring/splice chamber via side access.
- Key slot design provides one person installation and leveling.
- Hands-free wiring.

WARRANTY/LISTINGS

- UL 1598 listed for wet locations.
- Published five year limited warranty.

OPTIONS & ACCESSORIES — SEE END OF THIS SECTION.

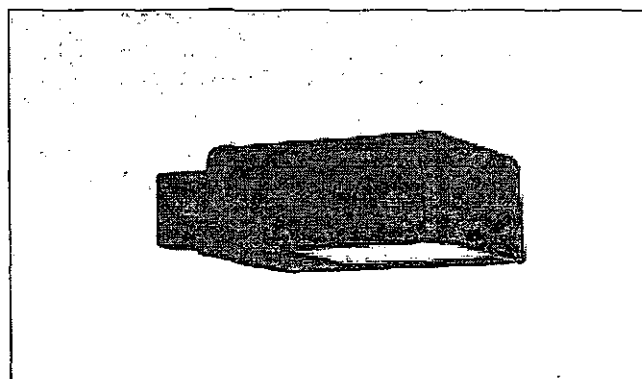
PHOTOMETRICS — SEE REVERSE SIDE.

ORDERING GUIDE EXAMPLE: SMR154MA-1

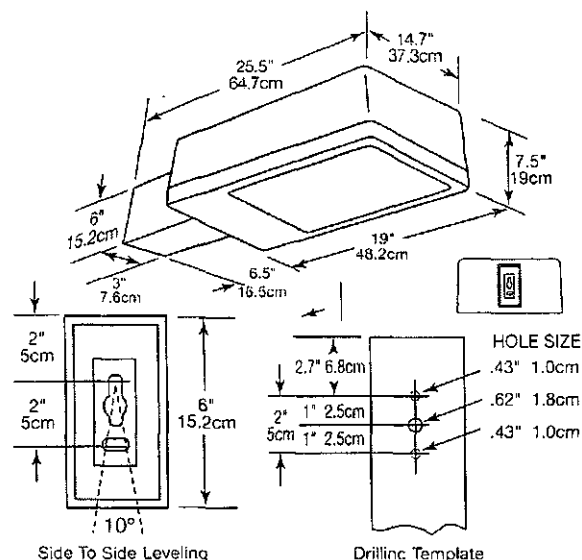
SMR	15	4	MA	-	1
SMR	320/ 350/400	3	MA	-	208

Prefix	Wattage	Distribution	Source	Options	Voltage
SMR	15=150(ED/BT/ED28) 17=175(ED/BT/ED28) 25=250(ED/BT/ED28) 40=400(ED/BT28) ¹	4 3 2	MA	See options/acc's end of this section.	1=120 2=208 3=240 4=277 5=480 8=120-277
	10=100(ED/ET23.5) 15=150(ED/ET23.5) 25=250(ED/ET23.5) 40=400(ED/ET18) ¹	4 3 2	LX		

¹Requires ED37 lamp for Type 3 only.



150 to 400 Watt (MA) Metal Halide
100 to 400 Watt (LX) High Pressure Sodium



EPA = 1.5 sq.ft.



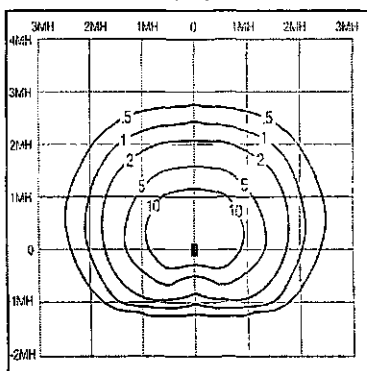
Product information is subject
to change without notice.

ExcelLine
A GE/THOMAS COMPANY

11/05

SiteMaster Roadway Series

1 Fixture Per Pole



SMR153NLXL
LU150/55/MED
16,000 Lumens
10' Mount. Hgt.
Type III Distrib.

Footcandle Correction

Different Lamps/Watts

Multiply the following factors times the footcandle values for changes in lamps/watts:

35W HPS	.14	50W MA	.21
50W HPS	.25	70W MA	.34
70W HPS	.34	100W MA	.45
100W HPS	.60		
150W HPS	1.00		

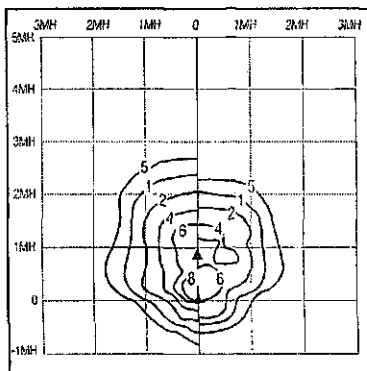
Different Mounting Height

Multiply the following factors times the footcandle values for changes in mounting height:

To Change From 10'

New Height	6'	8'	10'	12'	15'
Factor	2.8	1.6	1.0	.69	.44

1 Fixture Per Pole



SMR404LX
LU400
50,000 Lumens
30' Mount. Hgt.
Forward Throw

SMR404MA
MH400/U
34,000 Lumens
30' Mount. Hgt.
Forward Throw

Footcandle Correction

Different Lamps/Watts

Multiply the following factors times the footcandle values for changes in lamps/watts:

400W HPS	1.0	400W MH	1.0
250W HPS	.55	250W MH	.60
150W MA	.32	175W MH	.41

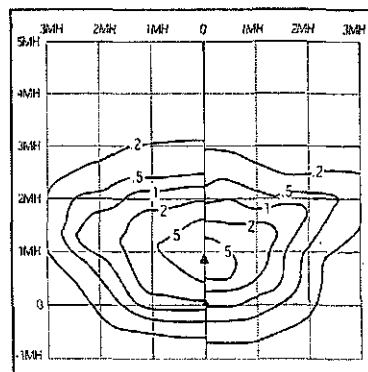
Different Mounting Height

Multiply the following factors times the footcandle values for changes in mounting height:

To Change From 30'

New Height	20'	25'	30'	35'	40'
Factor	2.25	1.4	1.0	.73	.56

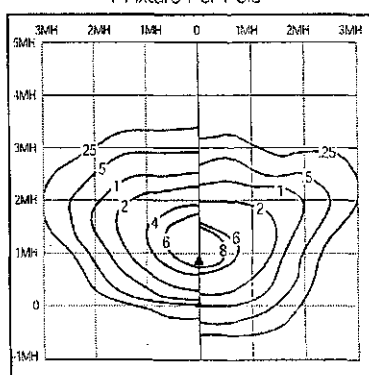
1 Fixture Per Pole



SMR402LX
LU400
50,000 Lumens
30' Mount. Hgt.
Type II Distrib.

SMR402MA
MH400/U
34,000 Lumens
30' Mount. Hgt.
Type II Distrib.

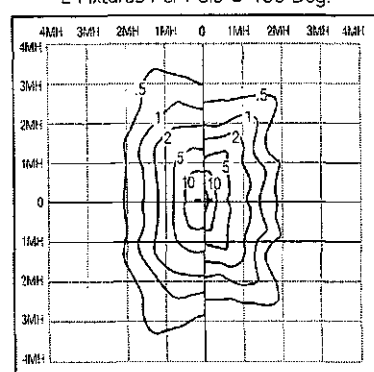
1 Fixture Per Pole



SMR403LX
LU400
50,000 Lumens
30' Mount. Hgt.
Type III Distrib.

SMR403MA
MH400/U
34,000 Lumens
30' Mount. Hgt.
Type III Distrib.

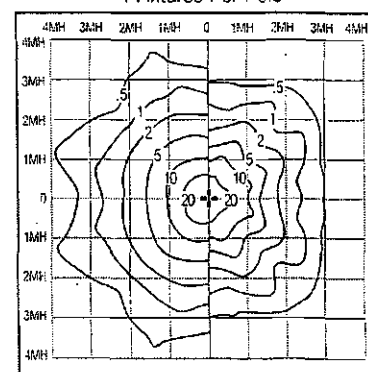
2 Fixtures Per Pole @ 180 Deg.



SMR403LX
LU400
50,000 Lumens
30' Mount. Hgt.
Type III Distrib.

SMR403MA
MH400/U
34,000 Lumens
30' Mount. Hgt.
Type III Distrib.

4 Fixtures Per Pole



SMR403LX
LU400
50,000 Lumens
30' Mount. Hgt.
Type III Distrib.

SMR403MA
MH400/U
34,000 Lumens
30' Mount. Hgt.
Type III Distrib.

8 poles-single fixture : 1 lamp @ 450 W per pole.

WideLite®

APPROVED
FINAL PLANS PLANNING

OP Series

Optra® Area Luminaire - 250-1000 watt HID

Type:

Job:

Catalog Number:

OPP-450- S -120-PTTS- S -TBK

Approvals:

Date:
Page 1 of 6

SERIES DISTRIBUTION VOLTAGE MOUNTING

See Page 2

OPTIONS

(FACTORY INSTALLED)
See Page 4

FINISH

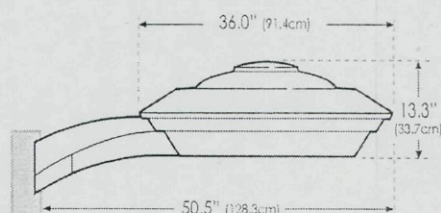
ACCESSORIES

(FIELD INSTALLED)
See Page 5

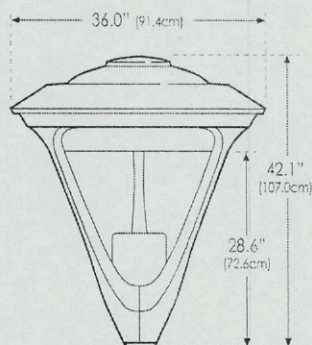
Overall Dimensions

For Reference Only

Arm Mount SR



Post Top Mount PTTR



Weight

Arm Mount

max 84 lbs. (38.1 kgs)
1000W HPS

Post Top

max 90 lbs. (40.8 kgs)
1000W HPS

Specifications

Housing

Die-cast aluminum housing with corrosion resistant hardware. The 250W-1000W Optra® consists of a separate ballast and optical housing ensuring cooler operation and significantly longer component and unit life. Standard optic chamber constructed to IP65.

Full Cutoff Optical System

Revolutionary patented optics design incorporates the advantages of vertical lamping with an innovative inverse conical lens to provide compliance with IES Full Cutoff definition in addition to unrivaled photometric performance. Optical lens employs collimating lens technology to capture and focus uncontrolled lumens back into the main beam while masking arc tube glare. Multi-faceted segmented reflectors shall be made of high purity, anodized "Super Sheet" aluminum with an inorganic dielectric coating, producing a minimum reflectivity of 94% for optimum efficiency. The optical head is equipped with an electrical disconnect and is fully gasketed to ensure Dust-Tite™ construction for higher maintained light levels. Symmetric pattern provides excellent spacing to mounting height ratios with very low glare. Asymmetric pattern provides directional spill light control, useful for perimeter areas. Luminaire is Dark Sky Ordinance compliant. **Optra Full Cutoff Area Luminaire covered by U.S. patent no. 7244050.**

Lamp / Socket

Mogul base lamps required. Sockets are 4KV pulse rated for Pulse Start Metal Halide and Metal Halide and 5KV pulse rated for High Pressure Sodium.

Lamp Access

Top of the fixture hinges open to provide toolless lamp access and relamping.

Lens

Precision manufactured, fully tempered inverse conical glass lens, in conjunction with the collimating optic lens, exceeds limitations of sag glass lens photometrics, which can provide no better than cutoff performance.

Ballast

Separate but integral ballast shall be high power factor with reliable starting to -29°C (-20°F) for Metal Halide, -34°C (-30°F) for Pulse Start Metal Halide, and -40°C (-40°F) for High Pressure Sodium. Crest factor does not exceed 1.8. Ballast has Class H, 180°C (356°F) rated insulation system. Ballast module shall be toolless for ease of installation and service.

Mounting

Fixture is constructed for one-person installation. Field installed surface arm mount shall be of die-cast aluminum. Mounting arm with integral ballast tray assembly shall be used to bolt fixture to a 4-5" OD round or 4-6" square pole. (SW-OP Wall Mount Junction Box accessory may also be specified in conjunction with the arm mount unit.) Post top unit mounts to a 2-3/8" OD x 4" vertical tenon (4-5" round pole). Fitter accessories available.

Finish

Standard finish shall be Textured Satin Aluminum UltraClad™ polyester powder coating, 2.5 mil nominal thickness, electrostatically applied and oven cured to ensure extreme durability. Other colors may be specified.

Listings

UL/cUL Listed luminaire, UL 1598, suitable for Wet Locations. The quality systems of this facility have been registered by UL to the ISO 9001 Series Standards.

Warranty / Terms and Conditions

Standard 5 Year Limited Warranty. Wide-Lite's current Warranty may be found at www.wide-lite.com (keyword: warranty) as well as Wide-Lite's current Standard Terms and Conditions of Sale (keyword: terms).

All sales of items in this catalogue shall be subject to Wide-Lite's Standard Terms and Conditions of Sale current at the time of shipment. If you do not have a copy of Wide-Lite's Warranty and Standard Terms, please contact the factory for same prior to ordering.

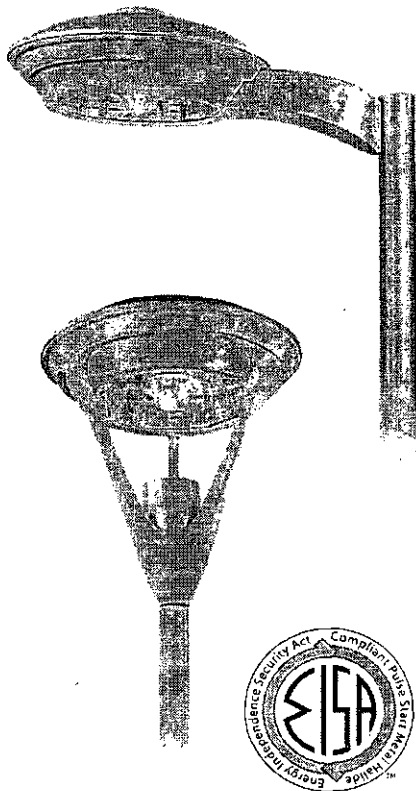


Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled "Contain Mercury" and/or with the symbol 'Hg'. Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycle and disposal can be found at www.lamprecycle.org.

Type:

Job:

Page 2 of 6



Series ⁽¹⁾	Distribution	Voltage ⁽²⁾	Mounting
Pulse Start <input type="checkbox"/> OPP-250 <input type="checkbox"/> OPP-320 <input type="checkbox"/> OPP-350 <input type="checkbox"/> OPP-400 <input checked="" type="checkbox"/> OPP-450 <input type="checkbox"/> OPP-750 <input type="checkbox"/> OPP-875 <input type="checkbox"/> OPP-1000 Metal Halide <input type="checkbox"/> OPM-1000 High Pressure Sodium <input type="checkbox"/> OPS-250 <input type="checkbox"/> OPS-400 <input type="checkbox"/> OPS-1000	<input checked="" type="checkbox"/> S Symmetric <input type="checkbox"/> A Asymmetric	<input checked="" type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 480	<input type="checkbox"/> SR = Arm Mount to Round Pole (4"-5" OD) ^(3,4) <input type="checkbox"/> SS = Arm Mount to Square Pole ⁽⁴⁾ <input type="checkbox"/> PTTR = Post Top Mount to 4" OD Round Pole ⁽⁵⁾
<div> <div> ⁽¹⁾ Consult factory for availability of 200W and below. ⁽²⁾ Voltage must be specified. Luminaire provided with pre-wired disconnects. ⁽³⁾ OP-SR3-(X) accessory required for mounting to 3"-3.9" OD Round Poles. </div> <div> ⁽⁴⁾ Refer to Optra Arm Mount Drill Template #13. ⁽⁵⁾ Post Top Mount to 2-3/8" O.D. x 4" vertical length (by others). Filter adapter accessories available. </div> </div>			

Distribution Guide & Ballast Data ⁽¹⁾

Source Type ⁽⁴⁾	Catalog Number	Lamp Envelope ⁽⁵⁾	Recommended Max. Spacing	Cutoff Level	.ies File Name ⁽⁴⁾	ANSI Code	Line Current 120 / 208 / 240 / 277 / 480	Line Watts
PS	OPP-250	BT28	5:1	Full	opp25(*).ies	M138 / M153	2.8 / 1.5 / 1.3 / 1.2 / 0.6	298
	OPP-320	BT28	5:1	Full	opp32(*).ies	M132 / M154	3.3 / 1.9 / 1.7 / 1.4 / 0.8	368
	OPP-350	BT28	5:1	Full	opp35(*).ies	M131	3.7 / 2.1 / 1.8 / 1.6 / 0.9	400
	OPP-400	BT28	5:1	Full	opp40(*).ies	M135 / M155	4.0 / 2.2 / 1.9 / 1.8 / 1.0	456
	OPP-450	BT37	5:1	Full	opp45(*).ies	M144	4.4 / 2.6 / 2.2 / 1.9 / 1.1	514
	OPP-750	BT37	5:1	Full	opp75(*).ies	M149	7.0 / 4.0 / 3.5 / 3.0 / 1.7	820
	OPP-875	BT37	5:1	Full	opp87(*).ies	M166	7.8 / 4.3 / 3.9 / 3.4 / 2.0	945
	OPP-1000	BT37	5:1	Full	opp10(*).ies	M141	9.0 / 5.2 / 4.5 / 3.9 / 2.4	1080
MH	OPM-1000	BT37	5:1	Full	opm10(*).ies	M47 / H36	9.2 / 5.6 / 4.7 / 4.1 / 2.4	1080
HPS	OPS-250	E18	5:1	Full	ops25(*).ies	S50	2.7 / 1.6 / 1.3 / 1.2 / 0.7	310
	OPS-400	E18	5:1	Full	ops40(*).ies	S51	4.1 / 2.5 / 2.1 / 1.9 / 1.1	467
	OPS-1000	BT37 (dual arc)	5:1	Full	ops10(*).ies	S52	9.5 / 5.5 / 4.8 / 4.2 / 2.5	1100

(1) The Optra accommodates a variety of other wattages and lamps. Consult factory.

(2) The Optra meets IES Full Cutoff specifications in all wattages and lamp sources.

(3) Ballast type: CWA (Constant Wattage Autotransformer).

(4) PS = Pulse Start Metal Halide, MH = Metal Halide, HPS = High Pressure Sodium.

(5) Clear lamps are recommended for optimum photometric performance.

(6) Replace (*) with Reflector type: S (symmetric) or A (asymmetric).

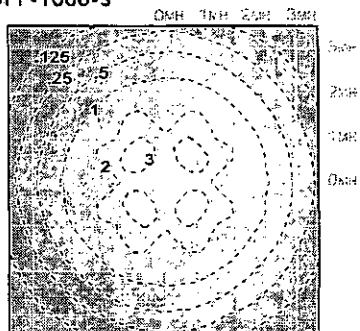
Type:

Job:

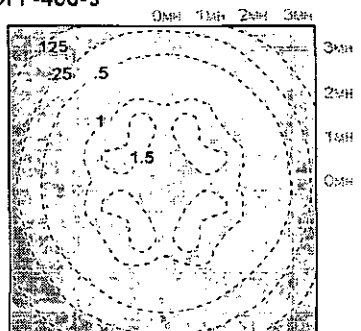
Page 3 of 6

Distribution Patterns and EPA data

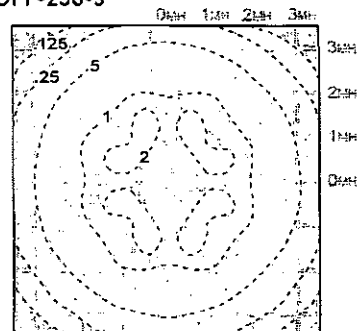
OPP-1000-S



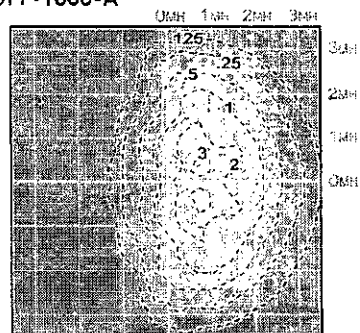
OPP-400-S



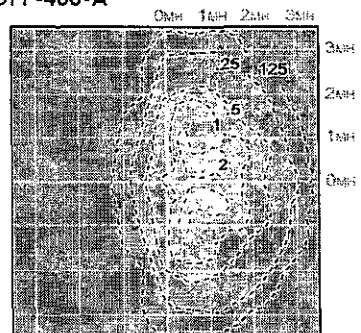
OPP-250-S



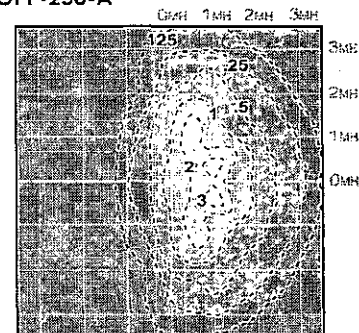
OPP-1000-A



OPP-400-A



OPP-250-A



Photometric data for 1000W calculated at 40' Mounting Ht.

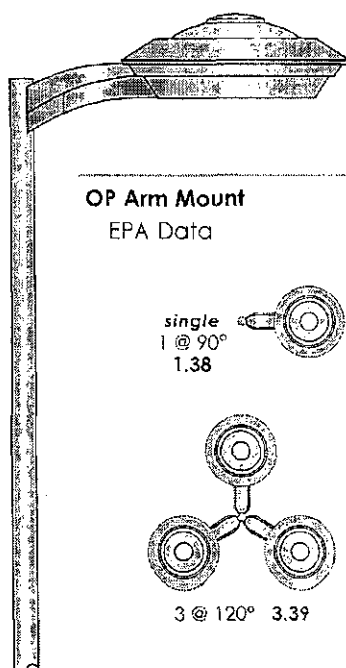
Photometric data for 400W calculated at 30' Mounting Ht.

Photometric data for 250W calculated at 20' Mounting Ht.

EPA Effective Projected Area in Ft²

Sturdy yet lightweight all aluminum construction and computer designed profile ensure low EPA's: only 1.38 sq. ft. for the single arm mount unit.

EPA calculations are confirmed by wind tunnel testing.



OP Arm Mount
EPA Data

single
1 @ 90°
1.38

twin
2 @ 180°
2.76

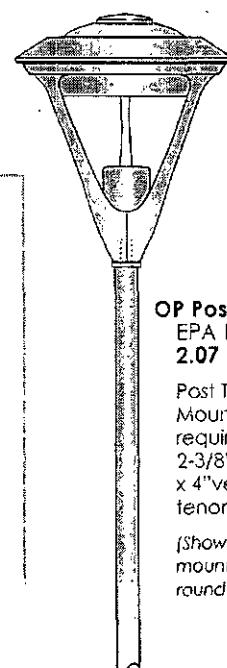
2 @ 120°
2.76

2 @ 90°
2.76

3 @ 120°
3.39

3 @ 90°
3.79

4 @ 90°
3.95



OP Post Top
EPA Data
2.07

Post Top Mount requires 2-3/8" OD x 4" vertical tenon.

(Shown mounted to 4" round pole.)

Type:

Job:

Page 4 of 6

Options (Factory Installed)

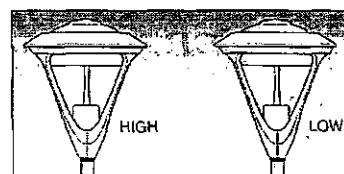
☐ **BL = Bi-Level®**

(Requires 5-wire)

Note: BL may not be combined with the LQ1 option with the Optra Post Top Mount.

Bi-level® provides high / low level of lamp output with up to 50% power consumption. Zero crossover network avoids strobing and lamp dropout.

Unlike horizontal lamp full cutoff fixtures, the Optra's vertical lamp system can accommodate energy efficiency standards requiring bi-level systems.



☐ **CSR = Hot Quartz Restrike**

☐ **LQ = Hot/Cold Quartz Restrike**

☐ **LQ1 = Separately Wired (120V) Quartz Restrike**
Note: LQ1 may not be combined with the BL option with the Optra Post Top Mount.

LQ1 requires an Interlock (by others) to ensure HID and Quartz source are not operated concurrently.

Note: Standard 250 watt (120V) double contact bayonet base socket. Combined Quartz wattage may not exceed HID lamp wattage.

CSR Quartz restrike using a current sensing relay; extinguishes auxiliary lamp when main arc strikes.

LQ Provides LiteMatic operation for fixtures with 120V or multi-tap ballasts.

LQ1 Separately wired, externally controlled emergency lighting from a separate power source.

LiteMatic Operation



Normal Start: Main and Quartz lamps both energized.



Main Lamp Reaches Approximately 40% of Rated Output: Quartz lamp automatically extinguishes (combined lamp currents never exceed that of main lamp at 100% output).



When Arc Extinguished: Auxiliary quartz lamp automatically energized when power is restored.



Main Lamp Reaches 40% of Rated Output: Quartz lamp automatically extinguishes.

☐ **F1 = Single Fuse (120V/277V)**

☐ **F2 = Double Fuse (208V/240V/480V)**

Note: Voltage must be specified.

Standard unit consists of 1 or 2 KTK 30 amp fuses mounted internally on the ballast plate.



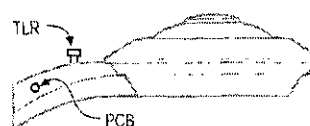
☐ **TLR = Twist Lock Photocell Receptacle**

Note: Voltage must be specified.

☐ **TLR-PC = Twist Lock Photocell Receptacle with Photocontrol** Note: Voltage must be specified.

Factory installed photocell receptacle.

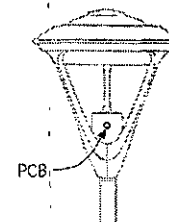
TLR and TLR-PC are available with Arm Mount only.



☐ **PCB = Photocell Button**

Note: Voltage must be specified. Not available in 480V

Factory installed photocell button.



☐ **50 HZ = 50 Hz Ballast Operation**

Specified for applications (outside the U.S.) where 50 Hertz operation is standard. Consult factory for availability.

Finish

☐ **TSA = Textured Satin Aluminum**

☐ **TDB = Textured Dark Bronze**

☒ **TBK = Textured Black**

☐ **TGR = Textured Gray**

☐ **TWHT = Textured White**

☐ **TGN = Textured Green**

☐ **RAL(*) = Special Tiger DryLac® Powder coat finish**

(*) Specify RAL color number from RAL color chart.

Consult factory for assistance in color selection.

Custom color matching is also available. Provide Paint chip to allow accurate color matching.)

Type:

Job:

Page 5 of 6

Accessories (Field Installed - Shipped Separately)

☐ **F1-Kit** = Single Fuse (120V/277V)

☐ **F2-Kit** = Double Fuse (208V/240V/480V)

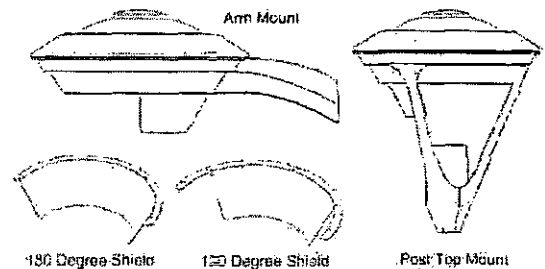
Consists of 1 or 2 fuse holders and 1 or 2 KTK 30 amp fuses. Field installed.

☐ **SK-OP120** = External House Side Shield
additional EPA per shield: **1.02**

☐ **SK-OP180** = External House Side Shield
additional EPA per shield: **1.18**

Field installed accessory provides supplemental spill light control.

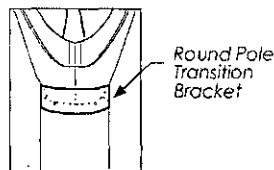
120° version designed for use with post top mounting configuration specifically.



☐ **OP-SR3-(X)** = Arm mount adapter kit for 3" - 3.9" OD round poles

☐ **PTTR-5** = Post Top Fitter for 5" Round Pole

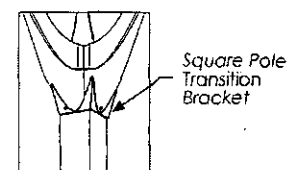
☐ **PTTR-6** = Post Top Fitter for 6" Round Pole



☐ **PTTS-4** = Post Top Fitter for 4" Square Pole

☐ **PTTS-5** = Post Top Fitter for 5" Square Pole

☐ **PTTS-6** = Post Top Fitter for 6" Square Pole



☐ **RPTA-190-DT13** = Round Pole Tenon Adapter - 1 @ 90°

☐ **RPTA-290-DT13** = Round Pole Tenon Adapter - 2 @ 90°

☐ **RPTA-2180-DT13** = Round Pole Tenon Adapter - 2 @ 180°

☐ **RPTA-390-DT13** = Round Pole Tenon Adapter - 3 @ 90°

☐ **RPTA-3120-DT13** = Round Pole Tenon Adapter - 3 @ 120°

☐ **RPTA-490-DT13** = Round Pole Tenon Adapter - 4 @ 90°

Round Pole Tenon Adapter allows mounting of Optra with standard "SR" arm mount to round pole with 2-3/8" OD ± 4" tall pole top tenon.



☐ **SPTA-190-DT13** = Square Pole Tenon Adapter - 1 @ 90°

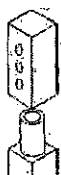
☐ **SPTA-290-DT13** = Square Pole Tenon Adapter - 2 @ 90°

☐ **SPTA-2180-DT13** = Square Pole Tenon Adapter - 2 @ 180°

☐ **SPTA-390-DT13** = Square Pole Tenon Adapter - 3 @ 90°

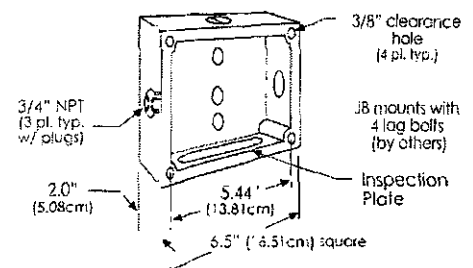
☐ **SPTA-490-DT13** = Square Pole Tenon Adapter - 4 @ 90°

Square Pole Tenon Adapter allows mounting of Optra with standard "SS" arm mount to square pole with 2-3/8" C/D X 4" tall pole top tenon.



☐ **SW-OP** = Wall Mount Junction Box

Thru-Wire junction box allows wall mounting using standard surface arms.

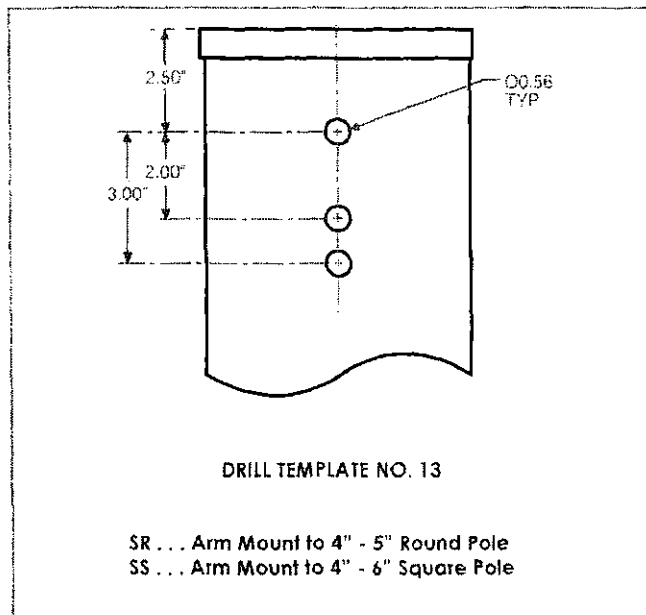


Type:

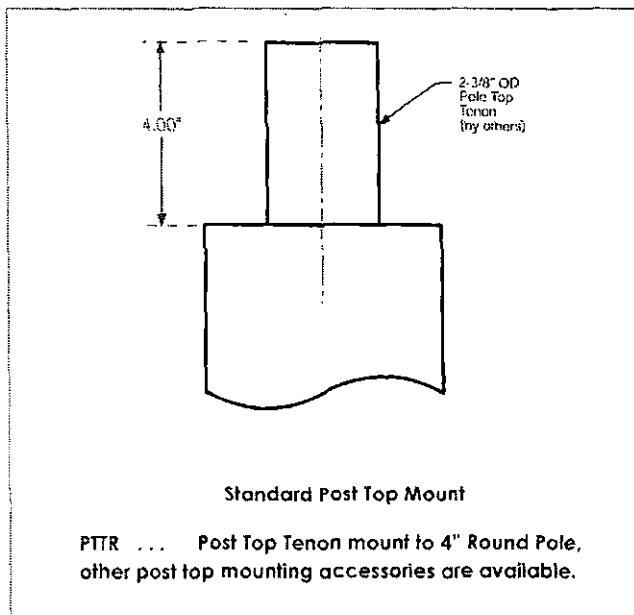
Job:

Page 6 of 6

Arm Mount Drill Template (NTS)



Post Top Detail (NTS)



Patent Statement

Wide-Lite proudly stands behind this product, and it is our intention to diligently protect the technology that we have developed. The innovative design and unrivaled photometric performance of the Optra is covered by U.S. patent number 7244050. Any patent conflicts will be prosecuted to the maximum extent possible under the law.

Notes

Wide-Lite is a Philips group brand

P.O. Box 606
San Marcos, TX 78667-0606
PH: 512-392-5821 / FAX: 512-753-1122

Wide-Lite reserves the right to change specifications and dimensions without notice. Lamp and electrical specifications / availability subject to change by manufacturer without notice.

www.wide-lite.com

CATALOG KEYWORD: OP

PT#: WLSP0132A1208



ISO 9001
Certified



WideLite

2 POLES w/single fixture
@ 250W per pole.

APPROVED
FINAL PLANS DRAWING
1-26-2010
DATE
APPROVED BY
34-SA-200

AL3 Series

Spectra III Area Luminaire - 150-1000 watt HID

Type:
Job:
Catalog Number:

Approvals:

AL3P-250 - 2H - 120 - SS -

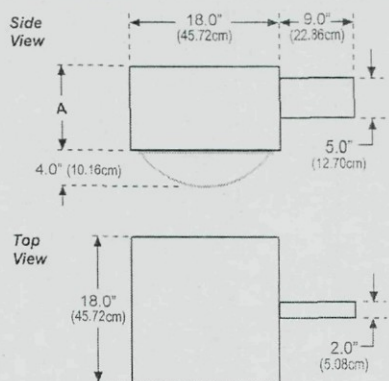
-TBK

SERIES	DISTRIBUTION	VOLTAGE	MOUNTING	OPTIONS (FACTORY INSTALLED)	FINISH	ACCESSORIES (FIELD INSTALLED)
AL3P-250	2H	120	SS			

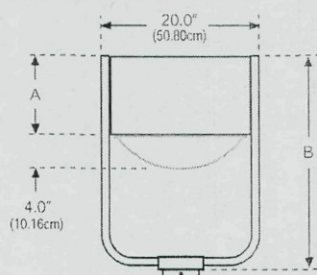
Date:
Page 1 of 6

Overall Dimensions For Reference Only

Arm Mount SS Surface Arm Mount to Square Pole



Post Top Yoke Mount PT(XY)



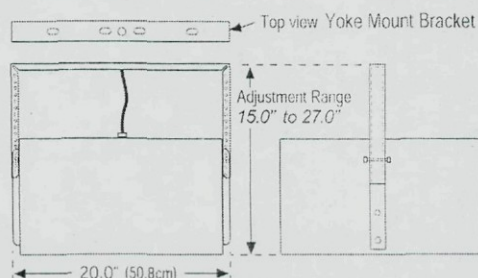
400 Watt max, non-Bi-Level unit

A = 10.00" (25.40cm)
B = 27.25" (69.22cm)

450-1000 Watt or 150-400 Watt Bi-Level unit

A = 12.00" (30.48cm)
B = 29.25" (74.30cm)

Trunnion Yoke Mount Y



Specifications

Housing

Formed aluminum sheet metal housing and top. The sides and top shall be mechanically and chemically sealed to ensure a rain-tight seal. Standard unit constructed to IP54.

Optical Module

Rotatable multi-faceted segmented reflectors shall be made of high purity, anodized "Super Sheet" aluminum with an inorganic dielectric coating, producing a minimum reflectivity of 94% for optimum efficiency. Optical assemblies shall be field rotatable at 90° increments and exchangeable. Lamp orientation and lens flexibility allow the AL3 Series (Spectra III Area Luminaire) to provide optics meeting the IES definitions of Full Cutoff, Cutoff, and Semi-Cutoff. "F" optics (available for 400W Pulse Start Metal Halide and below only) combine standard flat glass lens with desirable vertical lamp orientation to achieve Full Cutoff. The resulting luminaire is Dark Sky Ordinance compliant (Flat Glass) with the advantage of precision uniformity (Vertical Lamp), delivering superior performance over conventional horizontally lamped optics.

Lamp Access

Door frame shall be mitered anodized aluminum extrusion, gasketed to ensure a positive seal to the housing.

Lens

Lens shall be tempered glass to withstand thermal and physical shock. (Flat glass or sag glass determined by wattage and optics specified.)

Socket

A porcelain, 4KV (5KV for 1000W PS) pulse-rated, grip-type, mogul based socket shall be used to prevent lamp loosening and to maintain proper lamp positioning. Optional Stabilux™ lamp socket is available for horizontal lamps to provide added protection to reduce lamp breakage due to mechanical shock and vibration.

Ballast

Ballast shall be high power factor with reliable starting at temperatures as low as -29°C (-20°F) for Metal Halide, -34°C (-30°F) for Pulse Start Metal Halide, and -40°C (-40°F) for High Pressure Sodium. Crest factor does not exceed 1.8. Ballast has Class H, 180°C (356°F) rated insulation system.

Mounting

Surface arm mount (field installed) shall be of heavy gauge extruded aluminum. Threaded tension rods shall be used to bolt to square (standard) or round poles. Optional post top mount shall allow fixture to be mounted to square or round poles or tenons. Additional mounting options include direct mount to square pole, an adjustable arm mount, an adjustable mastfitter, a wall mount bracket (with or without arm), a trunnion yoke mount, and pole top tenon adapters with arm mount for square and round poles.

Finish

Standard finish shall be Dark Bronze UltraClad™ polyester powder coating, 2.5 mil nominal thickness, electrostatically applied and oven cured to ensure extreme durability. Other colors may be specified. Decorative striping option also available.

Listings

UL/cUL Listed luminaire, UL 1598, suitable for Wet Locations. The quality systems of this facility have been registered by UL to the ISO 9001 Series Standards.

Warranty / Terms and Conditions

Mechanical, finish and electrical shall be covered by a limited 3-year warranty. Warranty is 1-year when purchased with the ASL (acrylic sag lens) option. Wide-Lite's current Warranty may be found at www.wide-lite.com (keyword: warranty) as well as Wide-Lite's current Standard Terms and Conditions of Sale (keyword: terms).

All sales of items in this catalogue shall be subject to Wide-Lite's Standard Terms and Conditions of Sale current at the time of shipment. If you do not have a copy of Wide-Lite's Warranty and Standard Terms, please contact the factory for same prior to ordering.

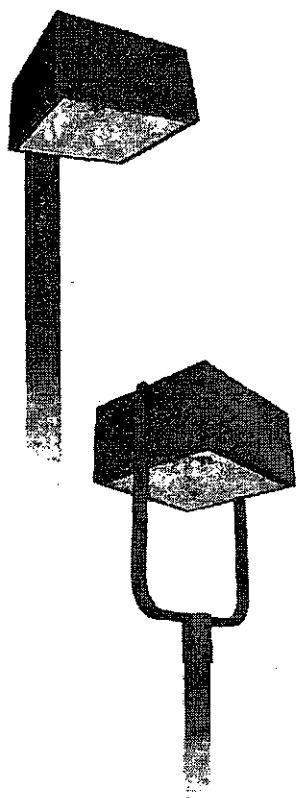


Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled "Contain Mercury" and/or with the symbol "Hg". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycle and disposal can be found at www.lamprecycle.org.

Type:

Job:

Page 2 of 6









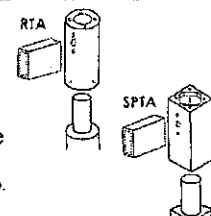
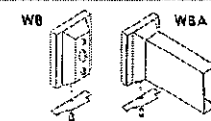
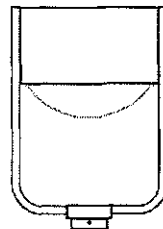
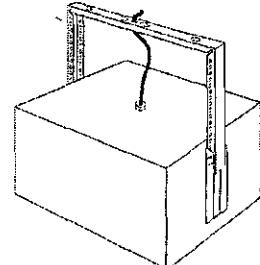
EPA Effective Projected Area in Ft²
EPA calculations confirmed by wind tunnel testing.

Arm Mount

	10" deep flat glass	10" deep sag glass	12" deep flat glass	12" deep sag glass
1 @ 90°	1.9	2.1	2.2	2.3
2 @ 90°	3.8	4.2	4.3	4.7
2 @ 180°	3.8	4.2	4.3	4.7
3 @ 90°	4.8	5.6	5.6	6.1
3 @ 120°	4.8	5.6	5.6	6.1
4 @ 90°	5.0	5.9	5.9	6.4

Post Top Mount

	10" deep flat glass	10" deep sag glass	12" deep flat glass	12" deep sag glass
	2.2	2.4	2.5	2.7

Series ⁽¹⁾	Distribution	Voltage	Mounting ⁽⁷⁾
Metal Halide <input type="checkbox"/> AL3M-1000 ⁽²⁾ Pulse Start <input type="checkbox"/> AL3P-150 <input type="checkbox"/> AL3P-175 ⁽³⁾ <input checked="" type="checkbox"/> AL3P-250 <input type="checkbox"/> AL3P-350 <input type="checkbox"/> AL3P-400 <input type="checkbox"/> AL3P-450 ^(2, 3) <input type="checkbox"/> AL3P-750 ⁽²⁾ <input type="checkbox"/> AL3P-875 ⁽²⁾ <input type="checkbox"/> AL3P-1000 ⁽²⁾	Vertical Lamp Full Cutoff, Flat Glass ⁽⁴⁾ <input type="checkbox"/> 2F = Type II <input type="checkbox"/> 3F = Type III <input type="checkbox"/> 4F = Type IV <input type="checkbox"/> 5F = Type V Cutoff / Semi-Cutoff Sag Glass ⁽⁵⁾ <input type="checkbox"/> 2V = Type II <input type="checkbox"/> 3V = Type III <input type="checkbox"/> 4V = Type IV <input type="checkbox"/> 5V = Type V Horizontal Lamp Full Cutoff, Flat Glass <input checked="" type="checkbox"/> 2H = Type II <input type="checkbox"/> 3H = Type III <input type="checkbox"/> 4H = Type IV <input type="checkbox"/> 5H = Type V Distribution Patterns  Type II  Type III  Type IV Forward Throw  Type V Square Note: AL3 Type IV optics include an internal house side shield. Consult factory to specify AL3 Type IV optics without an internal house side shield. Consult factory for photometry.	<input checked="" type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 480 <input type="checkbox"/> QV ⁽⁶⁾ <input type="checkbox"/> H = HIBRED™ Arm System HID/LED Night Ambient Series (HIB) See current HIBRED spec sheet WLSPC278 to specify HID/LED System. Not available in 480V. <input type="checkbox"/> DM = Direct Mount to Square Pole (Luminaire housing mounts flush to pole without the use of mounting arm(s). For use with the following mounting configurations only: 1 @ 90° or 2 @ 180°. <input type="checkbox"/> SA2 ⁽⁹⁾ = Adjustable Arm Mount to Square Pole (includes transition plate) <input type="checkbox"/> MA2 = Adjustable Mastfitter Mount to 2-3/8" OD tenon (includes transition plate) <input type="checkbox"/> RTA-(X)-(Y) ^(10, 11) = Round Pole Tenon Adapter (Slipfitter for Round Pole with 2.375" O.D. x 4" vertical tenon, 9" arm included) <input type="checkbox"/> SPTA-(X)-2.375 ⁽¹⁰⁾ = Square Pole Tenon Adapter (Slipfitter for Square Pole with 2.375" O.D. x 4" vertical tenon, 9" arm included) <input type="checkbox"/> WB = Wall Mount Bracket <input type="checkbox"/> WBA = Wall Mount Bracket with 9" arm <input type="checkbox"/> PT(XY) ⁽¹²⁾ = Post Top Yoke Mount <input type="checkbox"/> Y = Trunnion Yoke Mount	<input type="checkbox"/> SS = Surface Arm Mount to Square Pole (Standard)  <input type="checkbox"/> SR(X) ⁽⁸⁾ = Surface Arm Mount to Round Pole (mounting edge of arm is configured to match pole radius)     

1) Depth of housing dependent on wattage.

2) 2H reflector not available.

3) Vertical burn lamp only, at time of publication.

4) 400 watt and below, Pulse Start Metal Halide only.

5) Cutoff distribution at 150-400 watts. Semi-Cutoff at 450-1000 watts.

6) Allow field selection of 120/208/240/277 voltage. (No 480V). Certain options may require voltage selection as well.

7) Refer to page 5 for Drill Templates.

8) X = Specify pole size: (3.5 / 4)" OD; (4 / 5)" OD.

9) May be used in the following configurations only:
1 @ 90°; 2 @ 180°.

10) X = Specify configuration: 1 @ 90°; 2 @ 90°; 3 @ 90°; 4 @ 90°; 2 @ 180°; 2 @ 120°; 3 @ 120°.

11) Y = Specify tenon size: 2.375" OD x 4" tall;
3 / 3.5" OD x 6" tall;
3.5 / 4" OD x 6" tall.

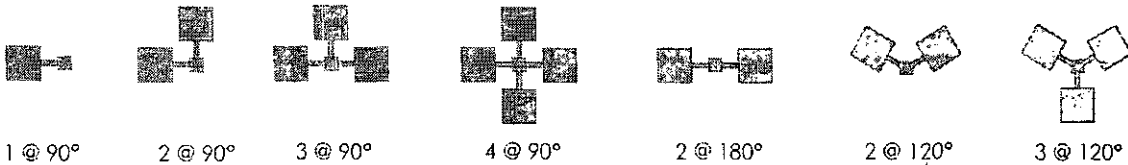
12) XY = Specify pole size and type: 4S, 5S, 2.375S, 3R, or 4P.

Type:

Job:

Page 3 of 6

Mounting Configurations



Note: 2 @ 120° and 3 @ 120° mounting configurations require Round Poles or use of Round Pole Fench Adapter. All other configurations may be used with Round or Square Poles.

Distribution Guide & Ballast Data ⁽¹⁾

Source Type ⁽²⁾	Catalog Number	Lamp Envelope	Housing Depth	Reflector Type ^(5, 6)	Cutoff Level	.ies File Name ⁽³⁾	Ballast Type ⁽⁴⁾	ANSI Code	Line Current ⁽⁴⁾ 120/208/240/277/480	Line Watts
MH	AL3M-1000	BT / ED37	12"	2V, 3V, 4V, 5V 3H, 4H, 5H	Semi Cutoff Full Cutoff	alm10(*).ies	CWA	M47 / H36	9.2 / 5.6 / 4.7 / 4.1 / 2.4	1080
	AL3P-1000	BT / ED37	12"	2V, 3V, 4V, 5V 3H, 4H, 5H	Semi Cutoff Full Cutoff	alp10(*).ies	CWA	M141	9.0 / 5.2 / 4.5 / 3.9 / 2.4	1080
	AL3P-875	BT / ED37	12"	2V, 3V, 4V, 5V 3H, 4H, 5H	Semi Cutoff Full Cutoff	alp87(*).ies	CWA	M166	7.8 / 4.3 / 3.9 / 3.4 / 2.0	945
	AL3P-750	BT / ED37	12"	2V, 3V, 4V, 5V 3H, 4H, 5H	Semi Cutoff Full Cutoff	alp75(*).ies	CWA	M149	7.0 / 4.0 / 3.5 / 3.0 / 1.7	820
	AL3P-450	BT / ED37	12"	2V, 3V, 4V, 5V	Semi Cutoff	alp45(*).ies	CWA	M144	4.4 / 2.6 / 2.2 / 1.9 / 1.1	514
PS	AL3P-400	BT / ED28	10" (12" w/ 3H-Level)	2V, 3V, 4V, 5V 2F, 3F, 4F, 5F, 2H, 3H, 4H, 5H	Cutoff Full Cutoff	alp40(*).ies	CWA	M135 / M155	4.0 / 2.2 / 1.9 / 1.8 / 1.0	456
	AL3P-350	BT / ED28	10" (12" w/ 3H-Level)	2V, 3V, 4V, 5V 2F, 3F, 4F, 5F, 2H, 3H, 4H, 5H	Cutoff Full Cutoff	alp35(*).ies	CWA	M131	3.7 / 2.1 / 1.8 / 1.6 / 0.9	400
	AL3P-250	BT / ED28	10" (12" w/ 3H-Level)	2V, 3V, 4V, 5V 2F, 3F, 4F, 5F, 2H, 3H, 4H, 5H	Cutoff Full Cutoff	alp25(*).ies	CWA	M138 / M153	2.8 / 1.5 / 1.3 / 1.2 / 0.6	298
	AL3P-175	BT / ED28	10" (12" w/ 3H-Level)	2V, 3V, 4V, 5V 2F, 3F, 4F, 5F, 2H, 3H, 4H, 5H	Cutoff Full Cutoff	alp17(*).ies	CWA	M137 / M152	2.0 / 1.1 / 0.9 / 0.8 / 0.5	220
	AL3P-150	BT / ED28	10"	2V, 3V, 4V, 5V 2F, 3F, 4F, 5F	Cutoff Full Cutoff	alp15(*).ies	HX-HPF	M102 / M142	3.7 / 2.1 / 1.8 / 1.6 / 1.0	185
HPS	AL3S-750	E18	12"	2V, 3V, 4V, 5V 2H, 3H, 4H, 5H	Cutoff Full Cutoff	als75(*).ies	CWA	S111	5.5 / 3.3 / 2.9 / 2.5 / 1.4	670
	AL3S-400	E18	10" (12" w/ 3H-Level)	2V, 3V, 4V, 5V 2H, 3H, 4H, 5H	Cutoff Full Cutoff	als40(*).ies	CWA	S51	3.9 / 2.3 / 2.1 / 1.7 / 1.0	465
	AL3S-250	E18	10" (12" w/ 3H-Level)	2V, 3V, 4V, 5V 2H, 3H, 4H, 5H	Cutoff Full Cutoff	als25(*).ies	CWA	S50	2.7 / 1.5 / 1.3 / 1.2 / 0.7	310
	AL3S-150	E23½	10"	2V, 3V, 4V, 5V 2F, 3F, 4F, 5F, 2H, 3H, 4H, 5H	Cutoff Full Cutoff	als15(*).ies	HX-HPF	S55	3.2 / 1.7 / 1.6 / 1.4 / 0.7	195

(1) The Spectra AL3 Series can accommodate a variety of other wattages and lamps. Please consult factory with specific requirements.

(2) MH = Metal Halide, PS = Pulse Start Metal Halide, HPS = High Pressure Sodium. Clear lamps are recommended for optimum uniformity.

(3) Replace (*) with Reflector Type:

2V, 3V, 4V, 5V (Vertical Lamp / Sag Glass / Cutoff 400W and below, Semi-Cutoff 450-1000W)
2F, 3F, 4F, 5F (Vertical Lamp / Flat Glass / Full Cutoff)
2H, 3H, 4H, 5H (Horizontal Lamp / Flat Glass / Full Cutoff)

(4) CWA = Constant Wattage Autotransformer;
HX-HPF = High Reactance High Power Factor.

(5) All Horizontal Lamp AL3 reflectors are equipped with P.O.A.B. sockets and can accommodate Standard or High Output Lamps.

(6) Internal house side shield is standard on Type 4 optics.

Consult factory to specify Type 4 optics without internal house side shield.

Type:

Job:

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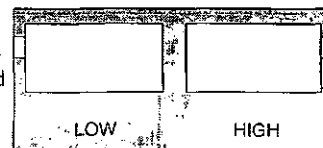
Options (Factory Installed)

☐ **BL** = Bi-Level[®]

Note: Suitable for HPS in any aiming position. Consult factory when specifying dimming with Metal Halide.

Bi-Level provides high/low level of lamp output with up to 50% power consumption. Zero crossover network avoids strobing and lamp dropout.

Not available with HX-HPF ballasts.



☐ **CSR** = Hot Quartz Restrike

☐ **LQ** = Hot/Cold Quartz Restrike

☐ **LQ1** = Separately Wired (120V) Quartz Restrike

Note: Standard 150 watt (120V) double contact bayonet base socket.

Combined Quartz wattage may not exceed HID lamp wattage.

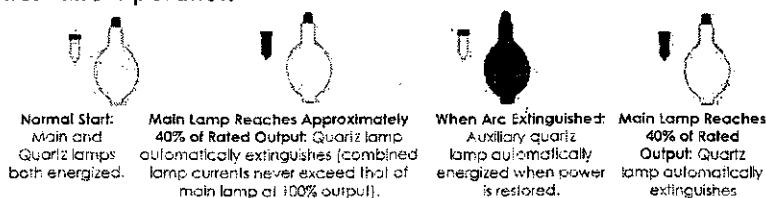
LQ1 requires an interlock (by others) to ensure HID and Quartz source are not operated concurrently.

CSR - Quartz restrike using a current sensing relay; extinguishes auxiliary lamp when main arc strikes.

LQ - Provides LifeMatic operation for fixtures with 120V or multi-tap ballasts.

LQ1 - Separately wired, externally controlled emergency lighting from a separate power source.

LifeMatic Operation



☐ **F1** = Single Fuse (120V/277V)

☐ **F2** = Double Fuse (208V/240V/480V)

Note: If ordering QV ballast, voltage must be specified.

Standard unit consists of 1 or 2 KTK 30 amp fuses mounted internally on the ballast plate.

Not available for 450-1000 watt. See inline fusing accessories F1-Kit and F2-Kit.



☐ **PCB** = Photo Cell Button, specify voltage
Not available in 480V.

Note: If ordering QV ballast, voltage must be specified.

Factory installed photocell button on side wall of luminaire.
Not available for 450-1000 watt.

☐ **TLR** = Twist Lock Photocell Receptacle

☐ **TLR-PC** = Twist Lock Photocell Receptacle with Photocontrol, specify voltage

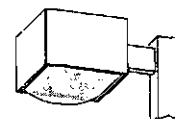
Note: If ordering QV ballast, voltage must be specified.

Factory installed photocell receptacle through top of luminaire.
Not available for 450-1000 watt.

☐ **ASL** = Acrylic Sag Lens

Available for 250 watt and below only.

Cost efficient alternative to conventional glass sag lens. Consult factory for per fixture savings with this option. One year warranty.

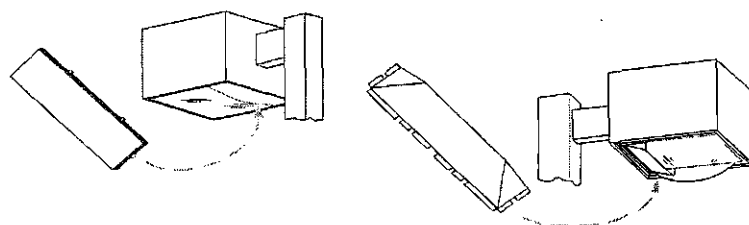


Factory installed house side shields:

☐ **HSS-H-AL3** = Internal House Side Shield
For use with Flat lens optics:
Type II, Type III, or Type V.

☐ **HSS-V-AL3** = Internal House Side Shield
For use with Sag lens optics:
Type II, Type III, or Type V.

Note: All AL3 Type IV optics include HSS.



☐ **SLS** = Stabilux Socket

For horizontally lamped optics only.

Adjustable lamp support, insulated with woven ceramic fabric, for applications requiring added protection to reduce lamp breakage due to mechanical shock and vibration.

Type:

Job:

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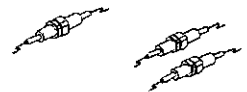
Finish

- | | | |
|--|--|--|
| <input type="checkbox"/> DB = Dark Bronze (smooth) | <input type="checkbox"/> RAL(*) = Special Tiger DryLac [®]
Powder coat finish
(*) Specify RAL color number from RAL color chart. | <input type="checkbox"/> DS01 = White decorative striping |
| <input type="checkbox"/> TBK = Textured Black | | <input type="checkbox"/> DS02 = Black decorative striping |
| <input type="checkbox"/> BLK = Black (smooth) | | <input type="checkbox"/> DS03 = Gold metallic decorative striping |
| <input type="checkbox"/> TGN = Textured Green | | <input type="checkbox"/> DS04 = Red decorative striping |
| <input type="checkbox"/> GR = Gray (smooth) | (Consult factory for assistance in color selection. Custom color matching is also available. Provide Paint chip to allow accurate color matching.) | <input type="checkbox"/> DS05 = Silver metallic decorative striping |
| <input type="checkbox"/> SA = Satin Aluminum (smooth) | | <input type="checkbox"/> DS08 = Blue decorative striping |
| <input type="checkbox"/> WHT = White (smooth) | | <input type="checkbox"/> DS69 = Dark Green decorative striping |

Accessories (Field Installed - Shipped Separately)

- ☐
- F1-Kit**
- = Inline Fusing (120V/277V)
-
- ☐
- F2-Kit**
- = Inline Fusing (208V/240V/480V)

Consists of 1 or 2 fuse holders and 1 or 2 KTK 30 amp fuses. Field installed.



Field installed house side shield accessories:

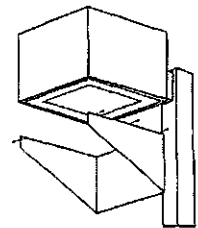
- ☐
- HSS-H-AL3**
- = Internal House Side Shield
-
- For use with Flat lens optics: Type II, Type III, or Type V.
-
- ☐
- HSS-V-AL3**
- = Internal House Side Shield
-
- For use with Sag lens optics: Type II, Type III, or Type V.

AL3 house side shields may be ordered as factory installed options or field installed accessories.

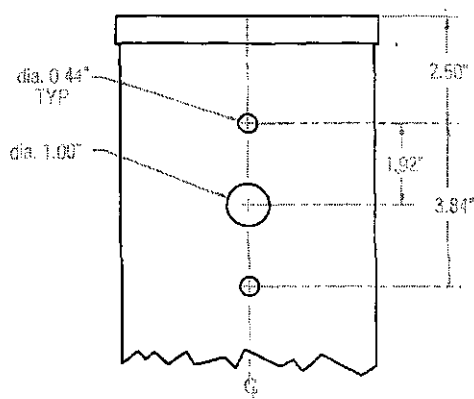
Note:

All AL3 Type IV optics include an internal house side shield.

- ☐
- SK-AL3-(F)**
- = External Glare Shield
-
- (F) = specify finish.
-
- Recommended finish is Textured Black.

Field installed accessory provides advanced directional control of spill light from sag or flat lens.
Easy installation at lip of lens frame provides a seamless appearance.

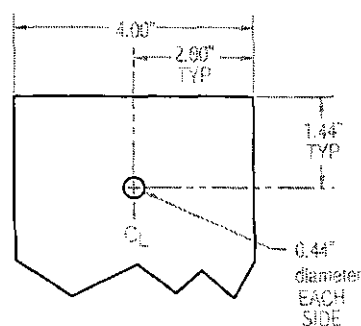
Drill Template No. 8 (NTS)



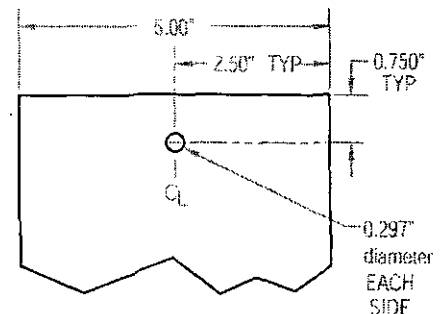
- DM** Direct Mount to Square Pole
SS Arm Mount to Square Pole
SR Arm Mount to Round Pole
SA2 Adjustable Arm Mount to Square Pole

4"-6" Square Pole or 3.5"-5" Round Pole

Drill Template No. 9 (NTS)

**PT** Post Top Mount to 4" Square Pole

Drill Template No. 10 (NTS)

**PT** Post Top Mount to 5" Square Pole



AL3 Series

Spectra III Area Luminaire - 150-1000 watt HID

Type:

Job:

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Notes

Wide-Lite is a Philips group brand

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Wide-Lite reserves the right to change specifications and dimensions without notice. Lamp and electrical specifications / availability subject to change by manufacturer without notice.

www.wide-lite.com

CATALOG KEYWORD: AL3

PT#: WLSP0126B0409



ISO 9001
Certified

