

# Towne Commons®



ARCHITECTURAL AREA LIGHTING

“to create, inspire and nurture excellence in each other”



## Energy Efficiency

The Towne Commons® Series is designed to use electrical energy in the most efficient possible way. The reflectors are designed to direct the illumination on the ground with no stray light which translates into wasted energy. The result is more light with less energy consumption.

## Light Pollution

The Towne Commons® Series horizontal reflectors are designated as a full cutoff which means there is no light emitted above 90 degrees horizontal.



IDA Approved Dark-Sky Friendly versions of these luminaires are available.

## Longevity

We manufacture all our products to have a life span as long as the building or space they illuminate. The primary material used for both our luminaire and pole products is aluminum to resist corrosion and the need for maintenance. Aluminum will not need the periodic refinishing required of steel products that will eventually rust and corrode. All our internal parts and fasteners are made of aluminum or stainless steel. Our reflector enclosures are kept dust free and dry with the use of silicone gaskets to prevent light degradation from contaminants.

## Sustainability

AAL develops our products with recycling and resource management in mind. We recycle all incoming packaging materials. Our products are shipped in easy to recycle packaging materials. Our state of the art finishing system uses eco friendly cleansing and preparation chemicals that are harmless enough to send to the drain without further processing. Our powder coating process eliminates the release of volatile chemicals into the atmosphere. The Towne Commons Series, like all AAL products is produced with renewable materials such as aluminum and stainless steel, and made in the USA.

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AAL is a registered continuing education provider.

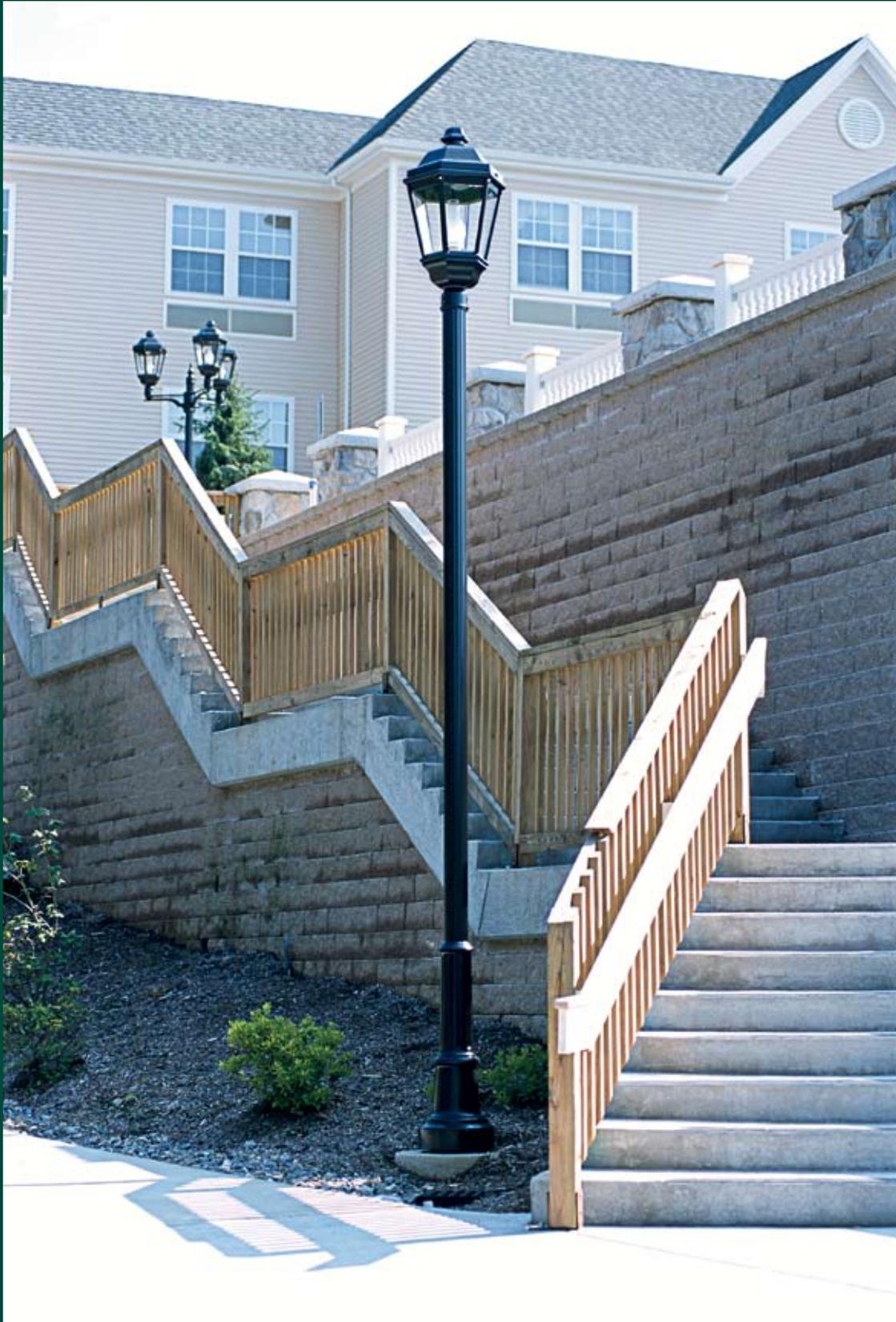


The Towne Commons Series is registered and protected by numerous patents granted by the United States Patent Office.

The Towne Commons is a registered trademark of Architectural Area Lighting.

Printed on recycled paper.

Historical style with modern optics



ALN440-H5-CND DB1-4F12

Three sizes of fixtures and four distinct styles can be configured with arms and poles for specific site designs.



2-ALN445-H3 2-TRA1L DB2-5R20

2-ALN445D-H3-CHM 2-TRA2L DB2-5R12





ALN440D LDL WMA2M



ALN440-H3 WMA55



ALN540PM-GR3 DB1-4R12

## Illuminating Performance

The Towne Commons fixtures are available with high performance optical systems allowing you to precisely aim the light, resulting in a smooth even illumination of the environment. A superior lighting system for illuminating your streets and pedestrian areas compared to any lensed type of fixture.



*Towne Commons*



*Refractor globe*

### How well can you recognize objects at night?

Not very well if the luminaires are extremely bright compared to the objects around them. The pictures on the left demonstrate this phenomenon. Notice the difference in the “visibility” or clarity of nearby objects illuminated by a Towne Commons fixture. Disability glare or “veiling luminance” (the contrast ratio between the brightness of the luminaire and surrounding objects) is greatly reduced. Visual perception is greatly improved. Objects in the environment are easier to identify.

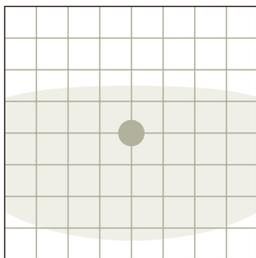
## Quality Engineered for the 21st Century

The Towne Commons stands above other lanterns available on the market today. The quality tested AAL design provides a lifetime of energy efficient, trouble free operation.

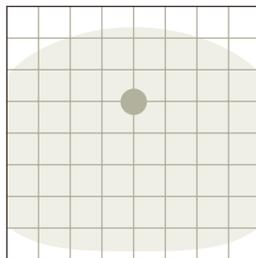
- **EASY ACCESS** with a hinged top for easy relamping
- **SEALED HOUSING** protects the inside from airborne contaminants and insects with a silicone gasketed top cover
- **UNITIZED ONE-PIECE LENS** with a one-piece memory retentive silicone gasket on each end allows for a sealed fixture as well as easy lens replacement
- **QUICK CHANGE** tool-free access to the ballast module and quick disconnects for easy servicing



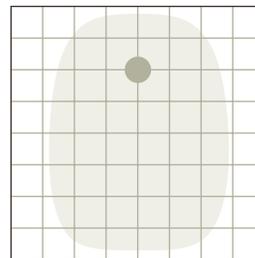
The four distribution patterns provide the tools for energy efficient site illumination.



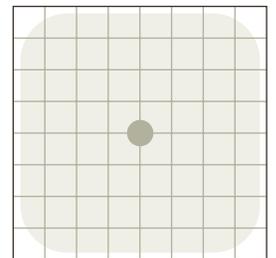
type 2



type 3

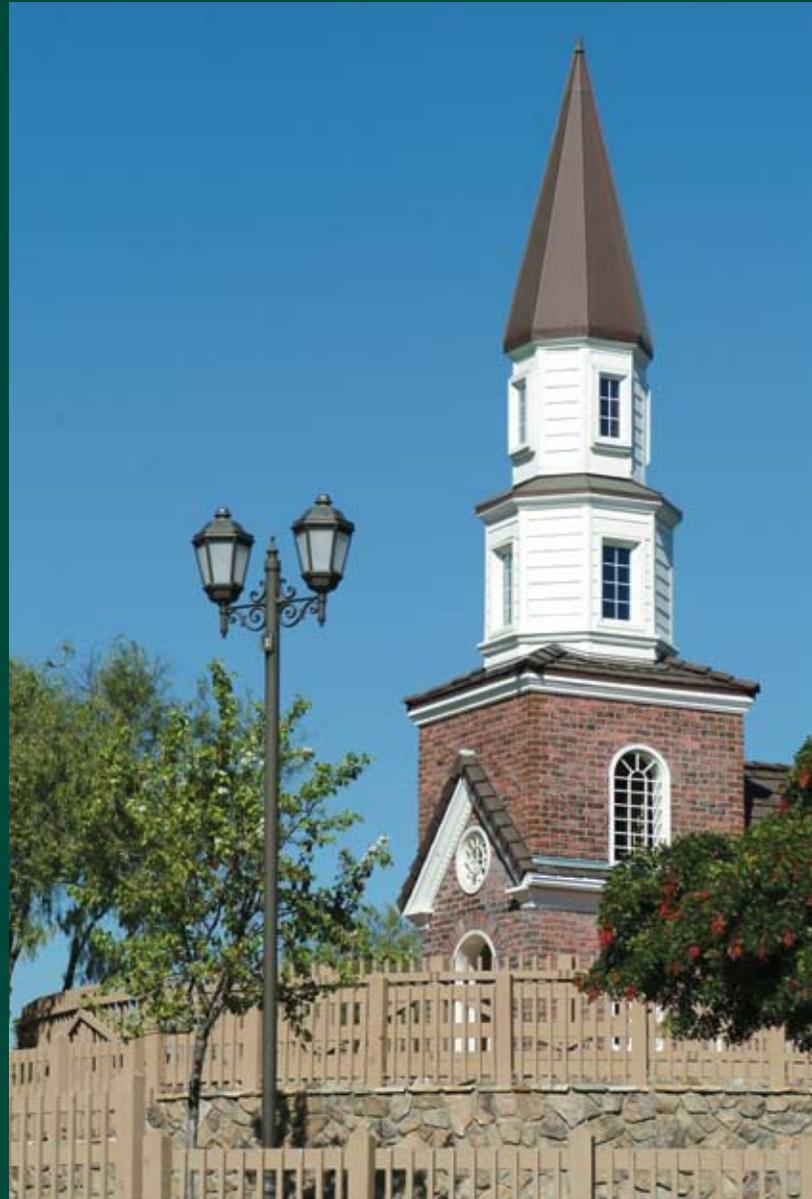


type 4



type 5

2-ALN540PM-H5 CHM 2-TRA55 DB8-4F12



2-ALN445-H5 LDL 2-TRA1L

ALN438W



2-ALN440D-H3 CND TRA2M DB2-5R14 WITH ALN480

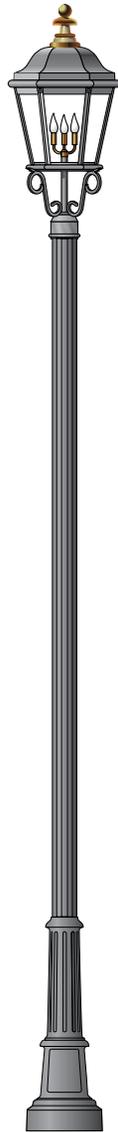
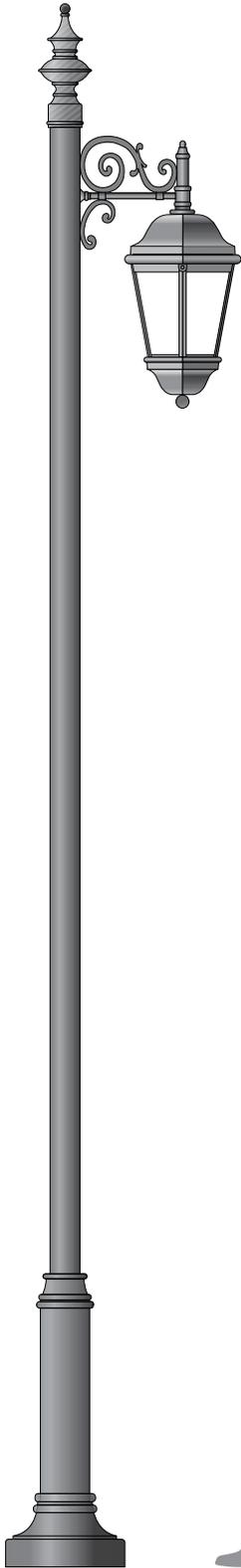


# Towne Commons®



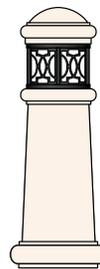
<b>HEAD</b>	2-ALN540PM	TSQ-DC	ALN445	ALN480	ALN440
<b>ARM</b>	2-TRA55	CONCRETE	•	ALUMINUM	TRA1M
<b>POLE</b>	DB8-4F14	BOLLARD	DB2-5R20	BOLLARD	DB12-4R15
<b>OPTION</b>	CHM		LDL		BBS4-18/CHM

# Towne Commons®



ALN445D  
TRA2L  
DB10-5R20  
LDL

ALN540PM  
•  
DB1-4F12  
CND



TRD-DC  
CONCRETE  
BOLLARD

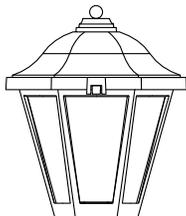
ALN540D  
TRA2M  
DB9-4F14  
PLT

ALN438DW  
BKT  
•  
•

HEAD  
ARM  
POLE  
OPTION

## ALN438

## Small Scale Post Top & Wall Mount



### FIXTURE

**ALN 438C** Clear acrylic lens (use coated lamps). Fixture only.

**ALN 438W** Opal acrylic lens. Fixture only.

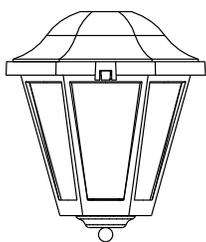
Fixture with arm: 18 in/450 mm x 10.5 in/266 mm

WT: 8 LBS

EPA: 0.8

## ALN438D

## Small Scale Wall & Pendant Mount



### FIXTURE

**ALN 438DC** Clear acrylic lens (use coated lamps). Fixture only.

**ALN 438DW** Opal acrylic lens. Fixture only.

Fixture with arm: 18 in/450 mm x 10.5 in/266 mm

WT: 8 LBS

EPA: 0.8

### LAMP/BALLAST

**CF** 26, 32 or 42 watt compact fluorescent 120 through 277 volt electronic ballast. -18° C start temp.

**50MH** 50 watt metal halide 120/277 volt ballast. Use a medium base, ED-17 lamp.

**50MHEB** 50 watt electronic metal halide ballast 120 thru 277 volt. Use a medium base, ED-17 lamp.

**70MH** 70 watt metal halide multitap ballast 120/208/240/277 volt. Use a medium base, ED-17 lamp.

**70MHEB** 70 watt electronic metal halide ballast 120 thru 277 volt. Use a medium base, ED-17 lamp.

**70MHT6** 70 watt metal halide ballast 120/277 volt. Use a G12 base, clear T-6 ceramic MH lamp.

**70MHT6EB** 70 watt electronic metal halide multitap ballast 120 thru 277 volt. Use a G12 base, T-6 ceramic MH lamp.

**50HPS** 50 watt high pressure sodium ballast 120/208/240/277 volt. Use a medium base, ED-17 lamp.

**70HPS** 70 watt high pressure sodium ballast 120/208/240/277 volt. Use a medium base, ED-17 lamp.

All ballasts are factory wired for 277 volts, unless specified. Lamps not included.

### COLOR

All standard and premium AAL colors available.

For RAL and custom colors, please submit a 4-digit RAL number or color chip for custom colors.

## ORDERING EXAMPLES

1	2	3	4
FIXTURE	BALLAST	COLOR	MOUNTING
ALN438DW	50MH	CRT	PMS
ALN438W	CF	MTB	BKT

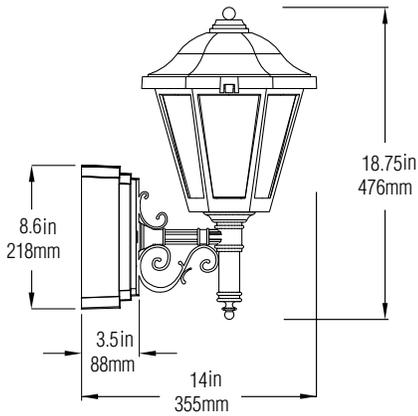
## MOUNTING—Must Select one

**BKT** Cast arm with back plate. Arm is welded to the fixture and factory prewired.

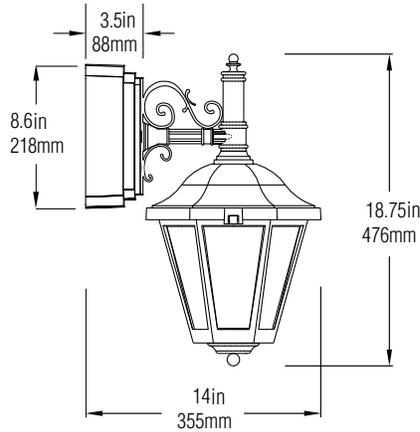
**PT3** Post top adapter for ALN438 slips over a 3 in/75 mm pole.

**PT4** Post top adapter for ALN438 slips over a 4 in/100 mm pole.

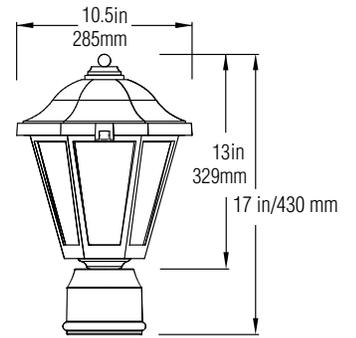
**Note:** For PT3 option ballast shall be remote and for PT4 option ballast shall be in pole.



WT: 10 LBS



EPA: 0.8

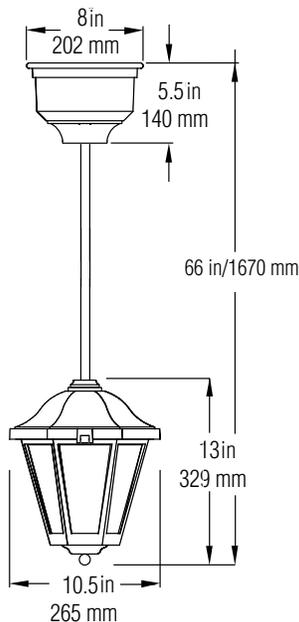


WT: 6 LBS

EPA: 0.7

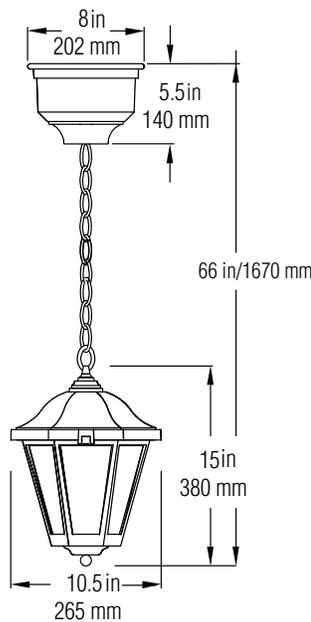
**PMS** Pendant mount with 48 in/1220 mm stem, canopy and swivel. Includes surface mounted ballast enclosure.

**PMC** Pendant kit with 48 in/1220mm of brass chain. Includes surface mounted ballast enclosure.



WT: 7 LBS

EPA: 1.1

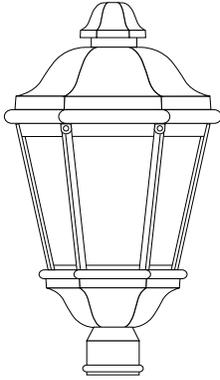


WT: 7 LBS

EPA: 1.1



## ALN440



## Arm or Post Top Mount

### FIXTURE

ALN 440C Clear acrylic lens (use coated lamps)

ALN 440-GR3 Clear lens, type 3 glass refractor

ALN 440-GR5 Clear lens, type 5 glass refractor

ALN 440-H2 Clear lens, type 2 horizontal cutoff reflector

ALN 440-H3 Clear lens, type 3 horizontal cutoff reflector

ALN 440-H4 Clear lens, type 4 horizontal cutoff reflector

ALN 440-H5 Clear lens, type 5 horizontal cutoff reflector

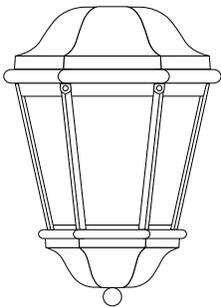
Post Top - Slips over a 4 in/100 mm O.D. pole. 18 in/460 mm dia. x 32 in/ 812 mm

Arm Mounted-18 in/460 mm dia. x 28 in/710mm

WT: 40 LBS

EPA: 2.16 IP: 54

## ALN440D



## Top Mounted Arm or Pendant Mount

### FIXTURE

ALN 440CD Clear acrylic lens (use coated lamps)

ALN 440D-GR3 Clear lens, type 3 glass refractor

ALN 440D-GR5 Clear lens, type 5 glass refractor

ALN 440D-H2 Clear lens, type 2 horizontal cutoff reflector

ALN 440D-H3 Clear lens, type 3 horizontal cutoff reflector

ALN 440D-H4 Clear lens, type 4 horizontal cutoff reflector

ALN 440D-H5 Clear lens, type 5 horizontal cutoff reflector

Arm or Pendant Mounted-18 in/460 mm dia. x 25 in/635 mm

WT: 35 LBS

EPA: 2.16 IP: 54

## LAMP/BALLAST

**PL57** 57 watt compact fluorescent ballast 120 thru 277 volt. Use a GE F57QBX lamp. -10° C min start temp.

**50MH** 50 watt metal halide 120/277 volt ballast. Use a medium base, ED-17 lamp.

**50MHEB** 50 watt electronic metal halide ballast 120 thru 277 volt. Use a medium base, ED-17 lamp.

**70MH** 70 watt metal halide multitap ballast 120/208/240/277 volt. Use a medium base, ED-17 lamp.

**70MHEB** 70 watt electronic metal halide ballast 120 thru 277 volt. Use a medium base, ED-17 lamp.

**70MHT6** 70 watt metal halide ballast 120/277 volt. Use a G12 base, T-6 ceramic MH lamp.

**70MHT6EB** 70 watt electronic metal halide multitap ballast 120 thru 277 volt. Use a G12 base, T-6 ceramic MH lamp.

**100MH** 100 watt metal halide multitap ballast 120/208/240/277 volt. Use a medium base, ED-17 lamp.

**150PSMH** Pulse start 150 watt metal halide multitap ballast 120/208/240/277 volt. Use a medium base, ED-17 lamp.

**150PSMHT6** Pulse start 150 watt metal halide multitap ballast 120/208/240/277 volt. Use a G12 base, T-6 ceramic MH lamp.

**70HPS** 70 watt high pressure sodium ballast 120/208/240/277 volt. Use a medium base, ED-17 lamp.

**100HPS** 100 watt high pressure sodium ballast 120/208/240/277 volt. Use a medium base, ED-17 lamp.

**150HPS** 150 watt high pressure sodium ballast 120/208/240/277 volt. Use a medium base, ED-17 lamp.

All ballasts are factory wired for 277 volts, unless specified. Lamps not included.

All applicable ballasts are EISA compliant.

ORDERING EXAMPLES			
1	2	3	4
FIXTURE	BALLAST	COLOR	OPTIONS
ALN440-H5	150PSMH	MTB	•
ALN440-H3	70MHT6	WBZ	LDL

\* Refer to your AAL catalog for a complete listing of available arms and poles.

## COLOR

All standard and premium AAL colors available.

For RAL and custom colors, please submit a 4-digit RAL number or color chip for custom colors.

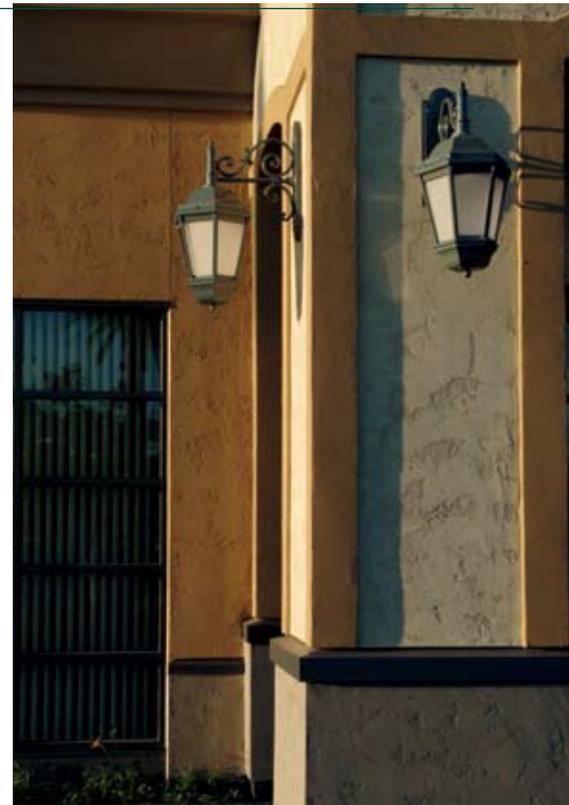
## OPTIONS

<b>LDL</b>	Lightly diffused lens for fixture models with a clear lens, refractors or reflectors.
<b>HSS-L</b>	House side shield for fixtures with glass refractors or clear lens only, consist of three field installed panels attached to the inside of the lens. Installing all three panels blocks 180° of the lens.
<b>HSS-R</b>	House side shield for fixtures with reflectors. Factory installed.
<b>PT5</b>	Cast post top fitter to slip over a 5 in/127 mm O.D. pole top.
<b>MAT</b>	Mast arm adapter slips over a 2 3/8 in/60 mm O.D. pipe and is secured with 4 stainless steel set screws. For ALN440D only.
<b>PMS</b>	Pendant mount with 48 in/1220 mm stem and canopy with swivel. For ALN440D only.
<b>PMC</b>	Pendant kit includes canopy and 48 inches of brass chain. For ALN440D only.
<b>QRS</b>	Restrike controller and T-4 mini-cand socket. Reflector models only. Not required with electronic ballast. (Lamp wattage not to exceed ballast wattage).
<b>QL</b>	Socket for T-4 mini-cand lamp, field wired to a separate circuit. Reflector models only. (Lamp wattage not to exceed ballast wattage).
<b>347</b>	120/277/347 volt ballast, except 70MHT6
<b>BALL</b>	Finial ball

**CHM** Glass chimney with brass holder. *For reflector models only.*

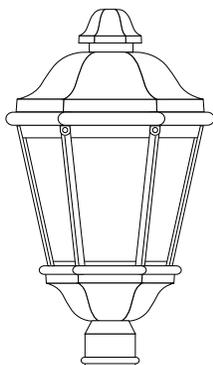


**CND** 3 lamp candelabra with polished brass holder. Lamps included. *For decorative purposes only. Not electrically wired. For reflector models only.*



## ALN445

## Large Scale Arm or Post Top Mount



### FIXTURE

ALN 445C Clear acrylic lens (use coated lamps)

ALN 445-H2 Clear lens, type 2 horizontal cutoff reflector

ALN 445-H3 Clear lens, type 3 horizontal cutoff reflector

ALN 445-H5 Clear lens, type 5 horizontal cutoff reflector

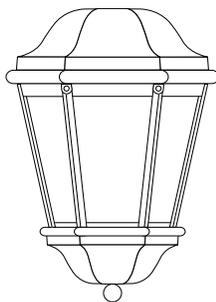
Post Top - Slips over a 5 in/127 mm O.D. pole. 22 in/560 mm dia. x 41 in/1040 mm

Arm Mounted - 18 in/460mm dia. x 28 in/710mm

WT: 52 LBS EPA: 3.45 IP: 54

## ALN445D

## Large Scale Top Mounted Arm or Pendant



### FIXTURE

ALN 445CD Clear acrylic lens (use coated lamps)

ALN 445D-H2 Clear lens, type 2 horizontal cutoff reflector

ALN 445D-H3 Clear lens, type 3 horizontal cutoff reflector

ALN 445D-H5 Clear lens, type 5 horizontal cutoff reflector

Arm or Pendant Mounted - 22 in/560 mm dia. x 36 in/915 mm

WT: 48 LBS EPA: 3.45 IP: 54

### LAMP/BALLAST

100MH 100 watt metal halide 120/208/240/277 volt ballast. Use a mogul base, ED-28 lamp.

150PSMH Pulse start 150 watt metal halide 120/208/240/277 volt ballast. Use a mogul base, ED-28 lamp.

200PSMH Pulse start 200 watt metal halide 120/208/240/277 volt ballast. Use a mogul base, ED-28 lamp.

250PSMH Pulse start 250 watt metal halide 120/208/240/277 volt ballast. Use a mogul base, ED-28 lamp

320PSMH Pulse start 320 watt metal halide 120/208/240/277 volt ballast. Use a mogul base, ED-28 lamp

350PSMH Pulse start 350 watt metal halide 120/208/240/277 volt ballast. Use a mogul base, ED-28 lamp

400PSMH Pulse start 400 watt metal halide 120/208/240/277 volt ballast. Use a mogul base, ED-28 lamp

70HPS 70 watt high pressure sodium ballast, 120/208/240/277 volt. Use a mogul base, ED-23 1/2 lamp.

100HPS 100 watt high pressure sodium ballast, 120/208/240/277 volt. Use a mogul base, ED-23 1/2 lamp.

150HPS 150 watt high pressure sodium ballast, 120/208/240/277 volt. Use a mogul base, ED-23 1/2 lamp.

200HPS 200 watt high pressure sodium ballast, 120/208/240/277 volt. Use a mogul base, ED-18 lamp.

250HPS 250 watt high pressure sodium ballast, 120/208/240/277 volt. Use a mogul base, ED-18 lamp.

400HPS 400 watt high pressure sodium ballast, 120/208/240/277 volt. Use a mogul base, ED-18 lamp.

All ballasts are factory wired for 277 volts, unless specified. Lamps not included.

For horizontal reflector models with PSMH mogul base ballasts, use a lamp approved for horizontal burning.

All applicable ballasts are EISA compliant.

ORDERING EXAMPLES			
1	2	3	4
FIXTURE	BALLAST	COLOR	OPTIONS
2-ALN445-H5	250PSMH	MTB	•
ALN445D-H3	250PSMH	WBZ	LDL

## COLOR

All standard and premium AAL colors available.

For RAL and custom colors, please submit a 4-digit RAL number or color chip for custom colors.

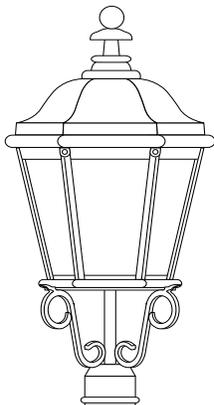
## OPTIONS

<b>LDL</b>	Lightly diffused lens for fixture models with a clear lens, refractors or reflectors.
<b>HSS-L</b>	House side shield for fixtures with glass refractors or clear lens only, consist of three field installed panels attached to the inside of the lens. Installing all three panels blocks 180° of the lens.
<b>HSS-R</b>	House side shield for fixtures with reflectors is factory installed.
<b>CHM</b>	Glass chimney with brass holder. For reflector models only.
<b>CND</b>	3 lamp candelabra with polished brass holder. Lamps included. For decorative purposes only. Not electrically wired. For reflector models only.
<b>PT4</b>	Cast post top fitter to slip over a 4 in/100 mm O.D. diameter pole top.
<b>MAT</b>	Mast arm adapter slips over a 2 3/8 in/60 mm O.D. pipe and is secured with 4 stainless steel set screws. For ALN445D only.
<b>PMS</b>	Pendant mount with 48 in/1220 mm stem and canopy with swivel. For ALN445D only.
<b>PMC</b>	Pendant kit includes canopy and 48 inches of brass chain. For ALN445D only.
<b>QRS</b>	Restrike controller and T-4 mini-cand socket. Reflector models only. Not required with electronic ballast. (Lamp wattage not to exceed ballast wattage).
<b>QL</b>	Socket for T-4 mini-cand lamp, field wired to a separate circuit. Reflector models only. (Lamp wattage not to exceed ballast wattage).
<b>347</b>	120/277/347 volt ballast.



## ALN540PM

## Arm or Post Top Mount



### FIXTURE

ALN 540PM-C	Clear acrylic lens (use coated lamps)
ALN 540PM-GR3	Clear lens, type 3 glass refractor
ALN 540PM-GR5	Clear lens, type 5 glass refractor
ALN 540PM-H2	Clear lens, type 2 horizontal cutoff reflector
ALN 540PM-H3	Clear lens, type 3 horizontal cutoff reflector
ALN 540PM-H4	Clear lens, type 4 horizontal cutoff reflector
ALN 540PM-H5	Clear lens, type 5 horizontal cutoff reflector

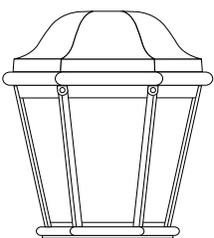
Post Top or Arm Mounted - Slips over a 4 in/100 mm O.D. pole.  
18 in/460 mm dia. x 36 in/915 mm

WT: 36 LBS      EPA: 2.05    IP: 54

*Remote ballast. Contact factory for ballast location.*

## ALN540D

## Top Mounted Arm or Pendant



### FIXTURE

ALN 540CD	clear acrylic lens (use coated lamps)
ALN 540D-GR3	clear lens, type 3 glass refractor
ALN 540D-GR5	clear lens, type 5 glass refractor
ALN 540D-H2	clear lens, type 2 horizontal cutoff reflector
ALN 540D-H3	clear lens, type 3 horizontal cutoff reflector
ALN 540D-H4	clear lens, type 4 horizontal cutoff reflector
ALN 540D-H5	clear lens, type 5 horizontal cutoff reflector

Arm or Pendant Mounted - 18 in/460 mm dia. x 21in/534 mm

WT: 35 LBS      EPA: 1.94    IP: 54

*Remote ballast. Contact factory for ballast location.*

### LAMP/BALLAST

<b>50MH</b>	50 watt metal halide ballast 120/277 volt ballast. Use a medium base, ED-17 lamp.
<b>70MH</b>	70 watt metal halide ballast 120/208/240/277 volt. Use a medium base, ED-17 lamp.
<b>70MHT6</b>	70 watt metal halide ballast 120/277 volt. Use a G12 base, T-6 ceramic MH lamp.
<b>100MH</b>	100 watt metal halide ballast 120/208/240/277 volt. Use a medium base, ED-17 lamp.
<b>150PSMH</b>	Pulse start 150 watt metal halide ballast 120/208/240/277 volt. Use a medium base, ED-17 lamp.
<b>150PSMHT6</b>	Pulse start 150 watt metal halide ballast 120/208/240/277 volt. Use a G12 base, T-6 ceramic MH lamp.
<b>175PSMH</b>	Pulse start 175 watt metal halide ballast 120/208/240/277 volt. Use a medium base, ED-17 lamp.
<b>70HPS</b>	70 watt high pressure sodium ballast 120/208/240/277 volt. Use a medium base, ED-17 lamp.
<b>100HPS</b>	100 watt high pressure sodium ballast 120/208/240/277 volt. Use a medium base, ED-17 lamp.
<b>150HPS</b>	150 watt high pressure sodium ballast 120/208/240/277 volt. Use a medium base, ED-17 lamp.

All ballasts are factory wired for 277 volts, unless specified. Lamps not included.

All applicable ballasts are EISA compliant.

ORDERING EXAMPLES			
1	2	3	4
FIXTURE	BALLAST	COLOR	OPTIONS
ALN540PM-H4	150PSMH	ATG	•
ALN540D-H3	70MHT6	BLK	LDL

## COLOR

All standard and premium AAL colors available.

For RAL and custom colors, please submit a 4-digit RAL number or color chip for custom colors.

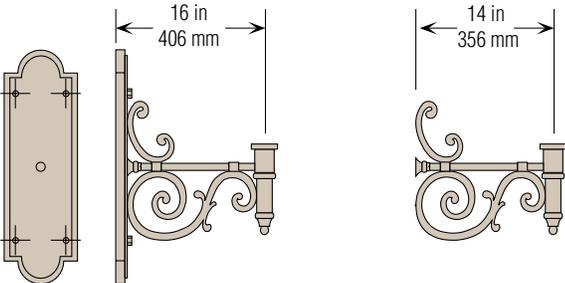
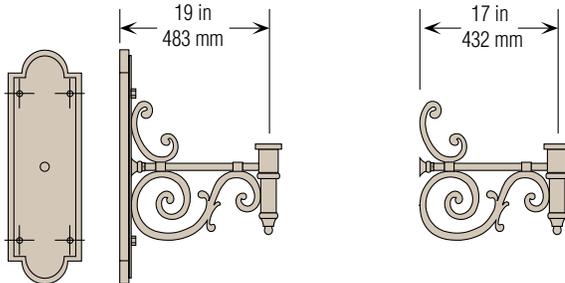
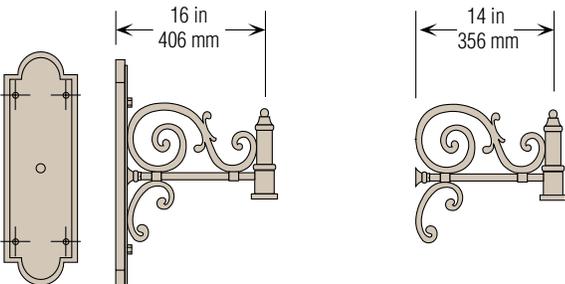
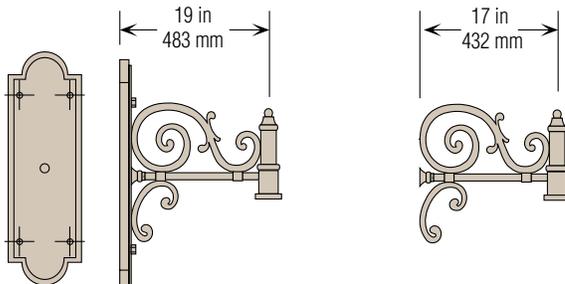
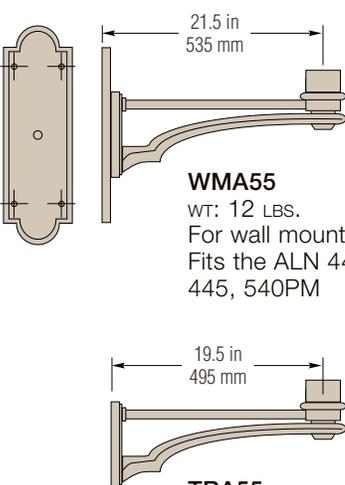
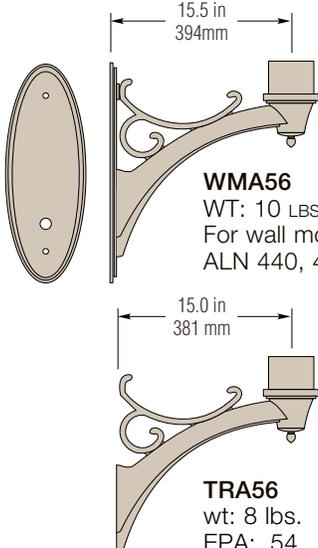
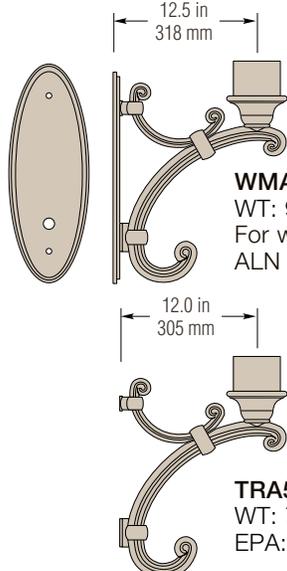
## OPTIONS

<b>LDL</b>	Lightly diffused lens for fixture models with a clear lens, refractors or reflectors.
<b>HSS-L</b>	House side shield for fixtures with glass refractors or clear lens only, consist of three field installed panels attached to the inside of the lens. Installing all three panels blocks 180° of the lens.
<b>HSS-R</b>	House side shield for fixtures with reflectors. Factory installed.
<b>CHM</b>	Glass chimney with brass holder. For ALN540PM reflector models only.
<b>CND</b>	3 lamp candelabra with polished brass holder. Lamps included. For decorative purposes only. Not electrically wired. For ALN540PM reflector models only.
<b>MAT</b>	Mast arm adapter slips over a 2 3/8 in/60mm O.D. pipe and is secured with 4 stainless steel set screws. For ALN540D only
<b>PMS</b>	Pendant mount with 48 in/1220 mm stem and canopy with swivel. For ALN540D only
<b>PMC</b>	Pendant kit includes canopy and 48 inches of brass chain. For ALN540D only
<b>347</b>	120/277/347 volt ballast, except 70MHT6.



## Arms for Pole and Wall Mounting

The Towne Commons offers a wide selection of one-piece, cast aluminum arms for pole and wall mounting. For top mounted arms, the fixture slips over a tenon and is secured with three stainless steel bolts. For fixtures mounted to the bottom of the arm, the arm has an integral fitter that attaches to the fixture with three stainless steel bolts. All the arms are prewired with quick connectors for easy installation. Hardware for attaching to the wall surface is provided by others.

 <p><b>WMA1M</b> WT: 12 lbs. For wall mounting Fits the ALN 440</p> <p><b>TRA1M</b> WT: 7 lbs. EPA: .62</p>	 <p><b>WMA1L</b> WT: 14 lbs. For wall mounting Fits the ALN 445</p> <p><b>TRA1L</b> WT: 9 lbs. EPA: .75</p>	
 <p><b>WMA2M</b> WT: 12 lbs. For wall mounting Fits the ALN 440D, 540</p> <p><b>TRA2M</b> WT: 7 lbs. EPA: .62</p>	 <p><b>WMA2L</b> WT: 14 lbs. For wall mounting Fits the ALN 445D</p> <p><b>TRA2L</b> WT: 9 lbs. EPA: .75</p>	
 <p><b>WMA55</b> WT: 12 LBS. For wall mounting Fits the ALN 440, 445, 540PM</p> <p><b>TRA55</b> WT: 8 lbs. EPA: .67</p>	 <p><b>WMA56</b> WT: 10 LBS. For wall mounting. Fits the ALN 440, 445, 540PM</p> <p><b>TRA56</b> wt: 8 lbs. EPA: .54</p>	 <p><b>WMA57</b> WT: 9 LBS. For wall mounting. Fits the ALN 440, 540PM</p> <p><b>TRA57</b> WT: 7 lbs. EPA: .65</p>

## Other Available Arms for Wall Mounting

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### Wall Mount-Up

<b>ALN440</b>	<b>ALN445</b>	<b>ALN540PM</b>
WMA1M	WMA1M	WMA1M
WMA1L	WMA1L	WMA1L
WMA3	WMA3	WMA3
WMA35U	WMA35U	WMA35U
WMA36U	WMA36U	WMA36U
WMA55	WMA55	WMA55
WMA56	WMA56	WMA56
WMA57	WMA57	WMA57
WMA7	WMA7	WMA7
WMA9U	WMA9U	WMA9U
WMA22U	WMA22U	WMA22U

### Wall Mount-Down

<b>ALN440D</b>	<b>ALN445D</b>	<b>ALN540D</b>
WMA2M	WMA2M	WMA2M
WMA2L	WMA2L	WMA2L
WMA37	WMA37	WMA37
WMA38	WMA38	WMA38
WMA39	WMA39	WMA39
WMA4	WMA4	WMA4
WMA6	WMA6	WMA6
WMA8	WMA8	WMA8
WMA9D	WMA9D	WMA9D
WMA10	WMA10	WMA10
WMA11	WMA11	WMA11
WMA12	WMA12	WMA12
WMA16	WMA16	WMA16
WMA17	WMA17	WMA17
WMA18	WMA18	WMA18
WMA22D	WMA22D	WMA22D

## Other Available Arms for Pole Mounting

### Pole Mount-Up

	ALN440	ALN445	ALN540PM
4S/5S	TRA1M	TRA1M	TRA1M
4S/5S	TRA1L	TRA1L	TRA1L
4S/5S	TRA3	TRA3	TRA3
4S/5S	TRA5U	TRA5U	TRA5U
4S/5S	TRA6U	TRA6U	TRA6U
4S/5S	TRA55	TRA55	TRA55
4S	TRA56	TRA56	TRA56
4S/5S	TRA57	TRA57	TRA57
T	SLA1	SLA1	SLA1
T	SLA1-2	SLA1-2	SLA1-2
4S/5S	SLA8U	SLA8U	SLA8U
4S/5S	SLA22U	SLA22U	SLA22U

### Pier Mount

	ALN440	ALN445	ALN540PM
PM	PM1	PM1	PM1
PM	PM2	PM2	PM2
PM	PM3	PM3	PM3

### Note

**PM** ..... Pier Mount  
**T** ..... Top Mount Arm  
**4S** ..... 4 in O.D. Side Mount  
**5S** ..... 5 in O.D. Side Mount

### Pole Mount-Down

	ALN440D	ALN445D	ALN540D
4S/5S	TRA2M	TRA2M	TRA2M
4S/5S	TRA2L	TRA2L	TRA2L
T	TRA4	TRA4	TRA4
T	TRA7	TRA7	TRA7
T	TRA7-2	TRA7-2	TRA7-2
T	TRA8	TRA8	TRA8
T	TRA8-2	TRA8-2	TRA8-2
T	TRA9	TRA9	TRA9
T	TRA9-2	TRA9-2	TRA9-2
4S	SLA3	SLA3	SLA3
T	SLA4	SLA4	SLA4
T	SLA4-2	SLA4-2	SLA4-2
T	SLA7	SLA7	SLA7
T	SLA7-2	SLA7-2	SLA7-2
4S/5S	SLA8D	SLA8D	SLA8D
T	SLA9	SLA9	SLA9
T	SLA9-2	SLA9-2	SLA9-2
T	SLA10	SLA10	SLA10
T	SLA10-2	SLA10-2	SLA10-2
T	SLA16	SLA16	SLA16
T	SLA16-2	SLA16-2	SLA16-2
T	SLA17	SLA17	SLA17
T	SLA17-2	SLA17-2	SLA17-2
T	SLA18	SLA18	SLA18
T	SLA18-2	SLA18-2	SLA18-2
4S/5S	SLA22D	SLA22D	SLA22D

# Specifications

## HOUSING

The fixture shall be cast A356 alloy aluminum, free of any porosity or cosmetic fillers. Castings shall be of uniform wall thickness, minimum .188 inch with no warping or mold shifting.

The top shall hinge open by loosening two captive fasteners. The top shall seal the lamp compartment with a full surround silicone gasket. The lens shall be one piece clear optical grade acrylic with a one-piece memory retentive silicone gasket on top and bottom. The ballast assembly shall be accessible by turning two spring loading latches, to lift out the ballast module. Quick disconnects shall be used for all electrical connections.

All internal and external hardware shall be stainless steel.

## OPTICAL MODULE

**REFLECTORS:** The optical assembly shall be completely sealed with a one-piece memory retentive silicone gasket to prevent dust, insect or moisture contamination. The reflector module shall consist of segmented, specular and semi specular Alzak® panels precisely formed and positioned within the housing on a carrier plate.

**REFRACTORS:** The GR3 and GR5 shall be precision molded borosilicate glass refractors with a type 3 or type 5 distribution. The refractors shall be mounted to a gasketed aluminum holder with an internal pressure plate.

## ELECTRICAL

All electrical components shall be U.L. recognized. Ballasts shall be high power factor rated for -30°C starting. The ballast shall be mounted to a cast holder for maximum heat dissipation. Medium base, (mogul base for the ALN445 series) porcelain sockets shall be pulse rated. The compact fluorescent shall have an electronic transformer, 120 thru 277 volt with a -18° C minimum start temp. High output fluorescent lamps shall be powered by electronic ballast and shall be rated for a minimum starting temperature of -10° C. The electrical assembly shall be installed and prewired in the fixture.

## RELAMPING

The top of the fixture shall hinge open for relamping by loosening two stainless steel fasteners.

## MOUNTING

Post top mounting: the fixture shall slip over a pole or tenon and be secured to the pole with three (or six) stainless steel set screws.

Arm or wall mounting: The fixture shall be attached to the cast arm with three stainless steel bolts and a silicone gasket.

## FINISH

Fixture finish shall consist of a five stage pretreatment regimen with a polymer primer sealer, oven dry off and top coated with a thermoset super TGIC polyester powder coat finish. The finish shall meet the AAMA 2604-02 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance.

## EISA COMPLIANCE

AAL is committed to complying with EISA requirements 100%. All applicable products manufactured for sale in the United States after January 1, 2009, will meet EISA requirements.

## CERTIFICATION

Fixtures shall be listed with UL Testing Laboratories for outdoor, wet location use, 1598 and Canadian CSA std. C22.2 no.250. IP = 54

## WARRANTY

Fixture is warranted for three years. Ballast components carry the ballast manufacturer's limited warranty. Any unauthorized return, repair, replacement or modification of the Product(s) shall void this warranty. This warranty applies only to the use of the Product(s) as intended by AAL and does not cover any misapplication or misuse of said Product(s), or installation in hazardous or corrosive environments. Contact AAL for complete warranty language, exceptions, and limitations.



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