

STEP LIGHTS



ARCHITECTURAL AREA LIGHTING



A complete range of
steplights designed
for elegance in
harsh environments.
Brass fascias,
glass lenses and
composite housings
make these step-
lights impervious to
the elements.

The Steplights are protected by patents granted
by the United States patent office. U.S. Patents
D457,6773; D458,403; 474,297

2 SHAPES



ASL7-SQ

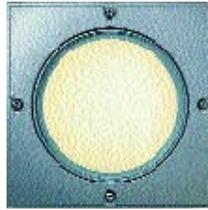


ASL7-RD

2 SIZES



ASL10-SQ



ASL7-SQ



ASL10-RD



ASL7-RD

3 FASCIA DESIGNS



CROSS



EYELID

2 FASCIA MATERIALS



CAST BRASS



CAST ALUMINUM

3 MOUNTING CHOICES



FLUSH
STANDARD

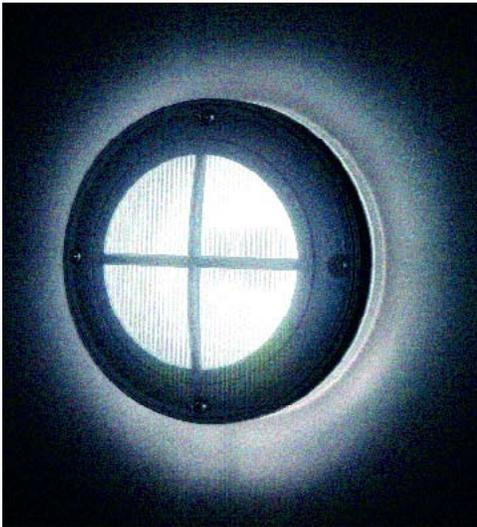


SEMI-RECESSED
WALL OR CEILING MOUNTING



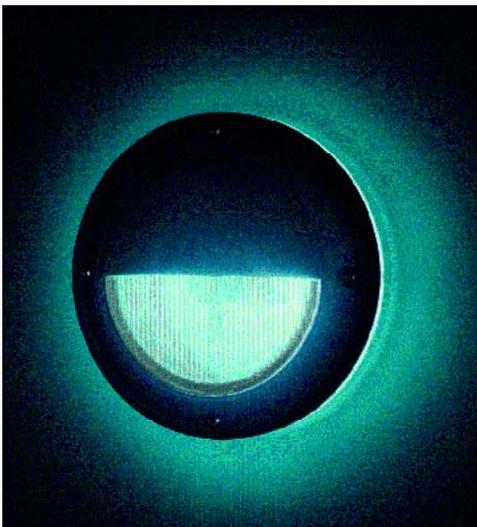
SURFACE

ADDING CHARACTER



GLOW RING

The glow ring option adds a soft backlit glow around the perimeter of the round or square models. The glow ring increases projection of the fascia by half an inch. Factory installed, the glow ring is only available for a standard flush mount.



COLOR LENSES

Create drama or compliment the color scheme of your next project. The Steplights accept internal color lenses for both the ASL7 and ASL10 models. The color lens is located inside the housing to ensure it remains clean and out of sight. Field installed, the option can accentuate your next Steplight project.

Colored lenses are available from FX Corporation. www.fxlight.com



ENERGY SAVINGS

AAL's low heat LED system allows you to mix and match color while maintaining minimal energy use. The steplight family utilizes a **3LED module (5 watt)** for the ASL7 and a **9LED module (15 watt)** for the ASL10.

Warm white (3500K)
Bright white (5100K)

Download Photometry at www.aal.net.



ASL7 SMALL SCALE

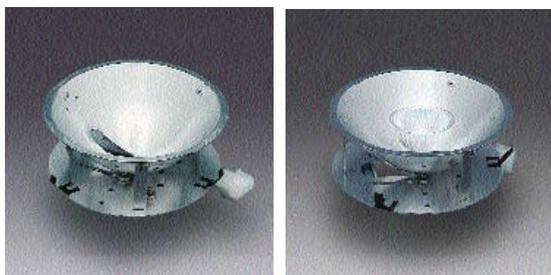
Lamping

- 12 volt halogen bi pin lamps, up to 50 watts.
- MR16 lamps 20 to 50 watts
The transformer is rated at 11.6 volts to extend lamp life.
- Compact fluorescent, 9 or 13 watts with an electronic ballast.

- **LEDs**
120 thru 277 Volt.
3LED (5 watt) system.
Warm white (3500K)
Bright white (5100K)



A polished anodized reflector for the bi-pin lamps have an adjustable socket to change the light distribution. A glare shield is standard.

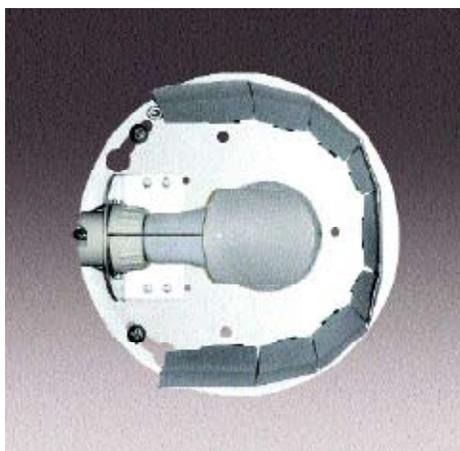


ASL10 LARGE SCALE

Lamping

- Metal halide lamps: 50, 70 and 100 watt.
- High pressure sodium lamps 50, 70 and 100 watt.
- Compact fluorescent, 32 watt with an electronic ballast.

- **LEDs**
120 thru 277 Volt.
9LED (15 watt) system.
Warm white (3500K)
Bright white (5100K)



A specular anodized reflector features a 5 degree compensation adjustment to keep the lamp aligned horizontally. A glare shield is standard to eliminate a hot spot on the lens.

The halogen accommodates low voltage bi-pin as well as MR16 lamps. LED based MR16 lamps can also be used for 100,000 hour lamp life.

1 LENS (7.25"/184MM DIA.)

ASL7-RD-FR
Frosted lens



ASL7-RD-LS
Linear spread lens



ASL7-RD-CROSS-FR
Frosted lens



ASL7-RD-CROSS-LS
Linear spread lens

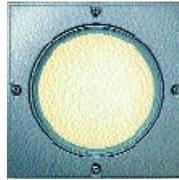


ASL7-RD-EYE
Linear spread lens



1 LENS (7.25"/184MM SQUARE)

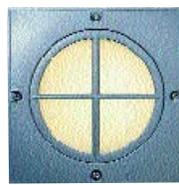
ASL7-SQ-FR
Frosted lens



ASL7-SQ-LS
Linear spread lens



ASL7-SQ-CROSS-FR
Frosted lens



ASL7-SQ-CROSS-LS
Linear spread lens



ASL7-SQ-EYE
Linear spread lens



2 MATERIAL & FINISH

STANDARD AAL COLORS

WHT	White	
LGY	Light Grey	
MAL	Matte Aluminum	
MDG	Medium Grey	
ATG	Antique Green	
VGR	Verde Green	
WRZ	Weathered Bronze	
DGN	Dark Green	
CRT	Corten	
BRM	Metallic Bronze	
DBZ	Dark Bronze	
BLK	Black	
MTB	Matte Black	

BRASS

Cast brass fascia



CUSTOM COLOR OPTION

Custom color or other AAL powder coat finishes are available for the cast aluminum fascia models.



3 LAMP

LV50

Electronic transformer
12 volt output up to 50 watts,
120 volt input voltage. Suitable
for bi-pin or MR-16 lamps.



CF9

120 or 277 volt electronic ballast for
9 watt 2-pin compact fluorescent lamp.

CF13

120 or 277 volt electronic ballast for a
13-watt 4-pin compact fluorescent lamp.



NOTE: Lamps not included.

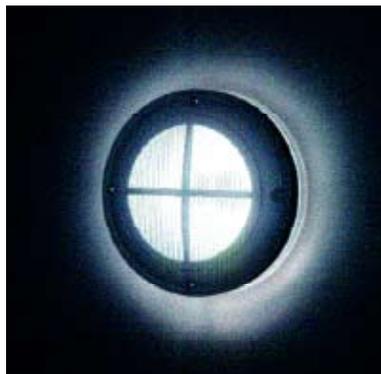
LEDs

120 thru 277 Volt, 3LED module (5 watt)
Warm white (3500K)
Bright white (5100K)

4 OPTIONS

GLOW

Adds a soft backlit glow around the
the perimeter of the round or square
fascia. Increases projection of the
fascia .50"(13mm); for standard flush
mounting only.



4 OPTIONS

SEMI

Semi recessed mounting for wall or
ceiling mounting. Includes an extruded
aluminum sleeve and cast aluminum
back plate. Available only in a painted
finish. Not available in brass. A.D.A.
compliant. *For ASL7-RD round models only!*



*no back box
shipped ahead*

SURF

Surface mounting for wall or ceiling
installations. Includes an extruded
aluminum sleeve and cast aluminum
back plate. Available only in a painted
finish. Not available in brass.
For ASL7-RD round models only!



*no back box
shipped ahead*

RBX

Recessed ceiling mounting includes
a rough in box and wiring
compartment. Minimum 5"/125mm
clearance above the ceiling.



*rough in box can
be shipped ahead*

ORDERING EXAMPLES

1	2	3	4
FIXTURE	MATERIAL + FINISH	LAMP	OPTIONS
ASL7-RD-FR	BRASS	LV50	GLOW
ASL7-SQ-EYE	BLK	LV50	SEMI
ASL7-RD-CROSS-LS	MAL	3LED-BW	•
ASL7-RD-LS	RAL 9001	LV50	RBX

1 LENS (10.5"/267MM DIA.)

ASL10-RD-FR
Frosted lens



ASL10-RD-LS
Linear spread lens



ASL10-RD-CROSS-FR
Frosted lens



ASL10-RD-CROSS-LS
Linear spread lens



ASL10-RD-EYE
Linear spread lens



1 LENS (10.5"/267MM SQUARE)

ASL10-SQ-FR
Frosted lens



ASL10-SQ-LS
Linear spread lens



ASL10-SQ-CROSS-FR
Frosted lens



ASL10-SQ-CROSS-LS
Linear spread lens

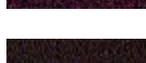


ASL10-SQ-EYE
Linear spread lens



2 MATERIAL & FINISH

STANDARD AAL COLORS

WHT	White	
LGY	Light Grey	
MAL	Matte Aluminum	
MDG	Medium Grey	
ATG	Antique Green	
VGR	Verde Green	
WRZ	Weathered Bronze	
DGN	Dark Green	
CRT	Corten	
BRM	Metallic Bronze	
DBZ	Dark Bronze	
BLK	Black	
MTB	Matte Black	

BRASS
Cast brass fascia



CUSTOM COLOR OPTION
Custom color or other AAL powder coat finishes are available for the cast aluminum fascia models.



3 LAMP

CF

120/277 volt electronic ballast for 26 and 32 watt 4-pin compact fluorescent lamp.

50MH

50 watt metal halide, 120/277 volt ballast. Use medium base, clear ED-17 lamps.

70MH

70 watt metal halide, 120/208/240/277 volt ballast. Use medium base, clear ED-17 lamps.

100MH

100 watt metal halide 120/208/240/277 volt ballast. Use medium base, clear ED-17 lamps. **(surface mount only)**

50HPS

50 watt high pressure sodium, 120/277 volt ballast. Use medium base, clear ED-17 lamps.

70HPS

70 watt high pressure sodium, 120/208/240/277 volt ballast. Use medium base, clear ED-17 lamps.

100HPS

100 watt high pressure sodium, 120/277 volt ballast. Use medium base, clear ED-17 lamps. **(surface mount only)**

347

Volt ballast option for metal halide and high pressure sodium lamps.

NOTE: Lamps not included.

LEDs

120 thru 277 Volt. 9LED module (15 watt)
Warm white (3500K)
Bright white (5100K)

4 OPTIONS

GLOW

Adds a soft backlit glow around the the perimeter of the round or square fascia. Increases projection of the fascia .50"(13mm); for standard flush mount only.



4 OPTIONS

SEMI

Semi recessed for wall or ceiling mounting. Includes an extruded aluminum sleeve and cast aluminum back plate. Available only in a painted finish. Not available in brass. A.D.A. compliant. *For ASL10-RD round models only! Maximum of 70 watts when ceiling mounted.*



SURF

Surface mounting for wall or ceiling installations. Includes an extruded aluminum sleeve and cast aluminum back plate. Available only in a painted finish. Not available in brass. *For ASL10-RD round models only! Maximum of 70 watts when ceiling mounted.*



BSA

Box shipped in advance.

NOTE: Standard Flush for wall mount only.

ORDERING EXAMPLES

1	2	3	4
FIXTURE	MATERIAL + FINISH	LAMP	OPTIONS
ASL10-RD-FR	BRASS	50MH	•
ASL10-SQ-CROSS-LS	BLK	CF26	SEMI

Mounting Details

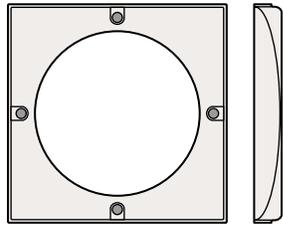
ASL7-RD						
	Lamp/Ballast	RECESSED	SEMI	SURF	RBX	GLOW
	LV50	35 Watt	35 Watt	50 Watt	35 Watt	35 Watt
	CF9 120 or 277	9 Watt	9 Watt	9 Watt	9 Watt	9 Watt
	CF13	9 Watt	9 Watt	13 Watt	9 Watt	9 Watt
	LED	5 Watt	5 Watt	5 Watt	5 Watt	5 Watt
ASL7-SQ	Lamp/Ballast	RECESSED	SEMI	SURF	RBX	GLOW
	LV50	35 Watt	*	*	35 Watt	35 Watt
	CF9 120 or 277	9 Watt	*	*	9 Watt	9 Watt
	CF13	9 Watt	*	*	9 Watt	9 Watt
	LED	5 Watt	*	*	5 Watt	5 Watt

* Mounting option is not available.

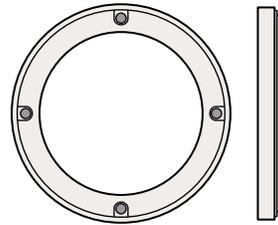
Note: The above chart reflects wattage limitations when installed in concrete.



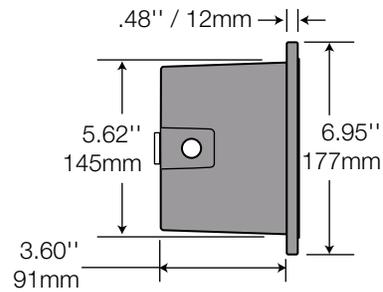
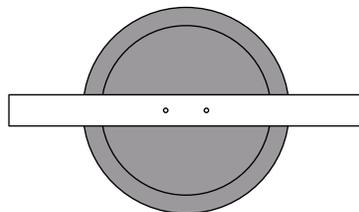
Mounting Details



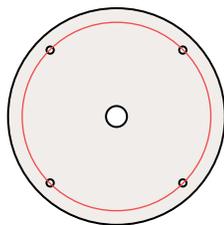
ASL7-SQ
 DIMENSIONS: 7.25"/185MM SQUARE
 PROJECTION FROM WALL: 1.00"/26MM



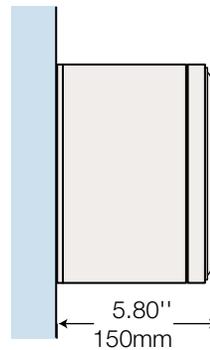
ASL7-RD
 DIMENSIONS: 7.25"/185MM DIAMETER
 PROJECTION FROM WALL: 1.00"/26MM



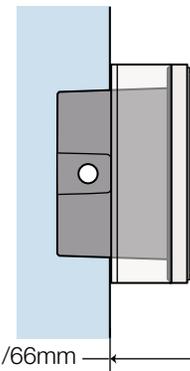
BACK BOX STRAP
 1.50"/38MM x 13.0"/330MM
 2 CONDUIT HOLES ON OPPOSITE SIDES .92"/23MM DIAMETER



BACK PLATE: 7.20"/184MM DIAMETER
BOLT CIRCLE: 6.0"/152MM DIAMETER



SURFACE MOUNT



SEMI RECESSED MOUNT

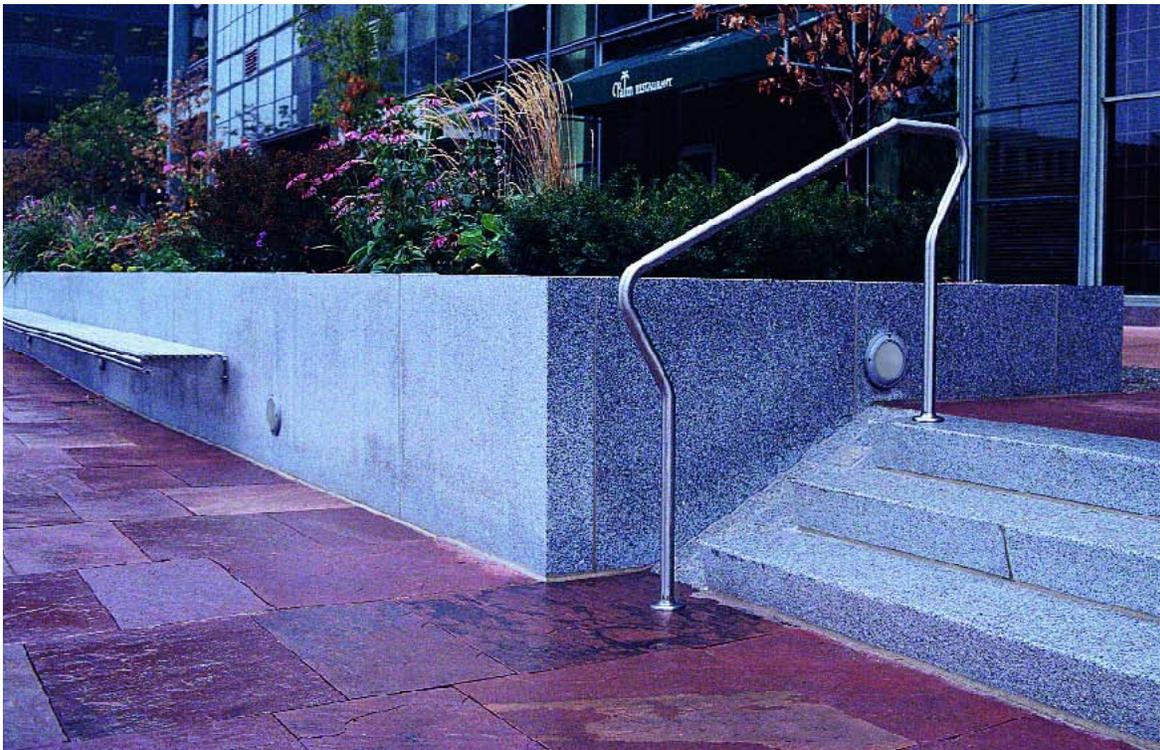
ASL7-RD ROUND FIXTURES ONLY!

Mounting Details

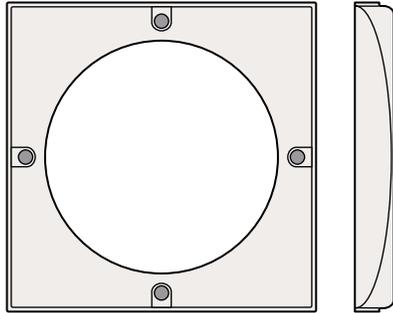
ASL10-RD	Lamp/Ballast	RECESSED	SEMI	SURF	RBX	GLOW
	CF max.	26 Watt	26 Watt	32 Watt	*	26 Watt
	MH max.	70 Watt	70 Watt	100 Watt	*	70 Watt
	HPS max.	70 Watt	70 Watt	100 Watt	*	70 Watt
	LED	15 Watt	15 Watt	15 Watt	*	15 Watt
ASL-SQ	Lamp/Ballast	RECESSED	SEMI	SURF	RBX	GLOW
	CF max.	26 Watt	*	*	*	26 Watt
	MH max.	70 Watt	*	*	*	70 Watt
	HPS max.	70 Watt	*	*	*	70 Watt
	LED	15 Watt	*	*	*	15 Watt

* Mounting option is not available.

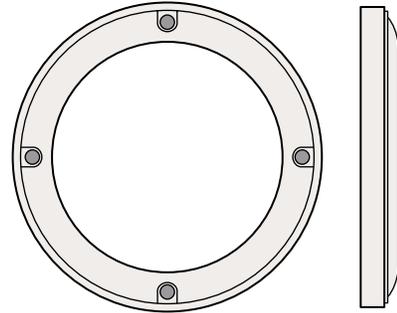
Note: The above chart reflects wattage limitations when installed in concrete.



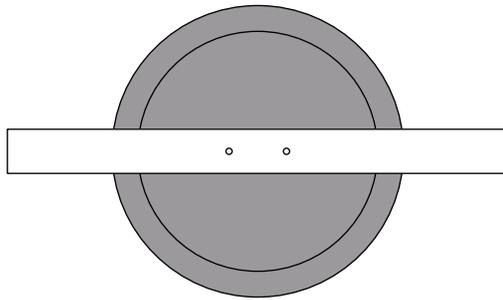
Mounting Details



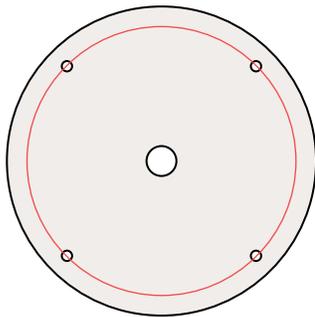
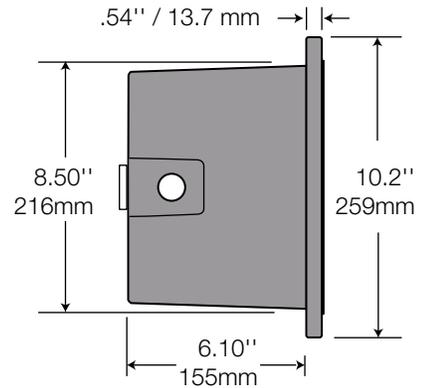
ASL10-SQ
 DIMENSIONS: 10.5"/267MM SQUARE
 PROJECTION FROM WALL: 1.31"/33MM



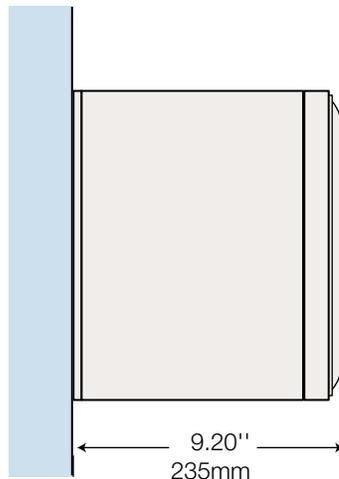
ASL10-RD
 DIMENSIONS: 10.5"/267MM DIAMETER
 PROJECTION FROM WALL: 1.31"/33MM



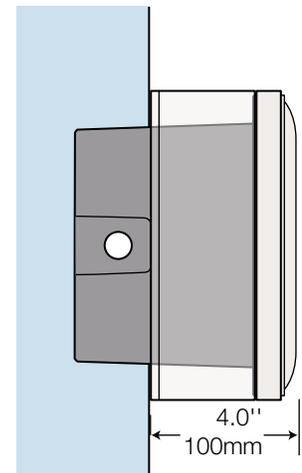
BACK BOX STRAP
 1.50"/38MM x 17.5"/445MM
 2 CONDUIT HOLES ON OPPOSITE SIDES .92"/23MM DIAMETER



BACK PLATE: 10.5"/267MM DIAMETER
BOLT CIRCLE: 9.0"/230MM DIAMETER



SURFACE MOUNT



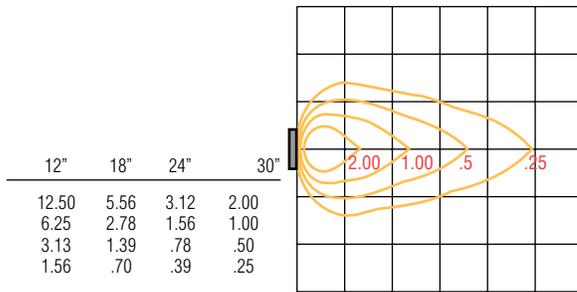
SEMI RECESSED MOUNT

LAMP TYPE	LUMENS	CONVERSION FACTOR	
		ASL7	ASL10
35 watt halogen bi-pin	600	1.00	
50 watt halogen bi-pin	950	1.58	
9CF 9 watt compact fluorescent	575	.96	
35 MH, clear ED-17	2500		.76
50 MH, clear ED-17	3300		1.00
70 MH, clear ED-17	5600		1.70
100 MH, clear ED-17	8500		2.58
50 HPS, CLEAR ED-17	4000		1.21
70 HPS, CLEAR ED-17	6400		1.94
100 HPS, CLEAR ED-17	9500		2.88

NOTE: If using a lamp with different lumen output than listed above, consult AAL for conversion factor.

ASL7 FR FROSTED LENS 35 WATT T-4 HALOGEN

30" MOUNTING HEIGHT
ONE GRID SQUARE EQUALS
ONE MOUNTING HEIGHT



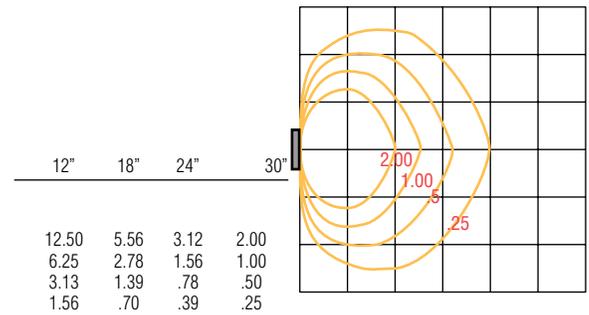
The values below are in initial footcandles. Discount values to account for light losses due to voltage, temperature and atmospheric variations which affect light output.

To substitute another lamp in the isocandle charts below, multiply the chart values by the lamp conversion factor on the left. Mounting height is to the lamp center.

All testing performed by a certified independent laboratory. Photometry is available in IES formatted files on CD rom and at aal.net or call your local AAL representative.

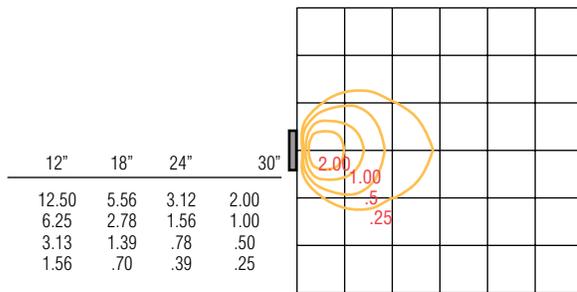
ASL10 FR FROSTED LENS 50MH

30" MOUNTING HEIGHT
ONE GRID SQUARE EQUALS
ONE MOUNTING HEIGHT



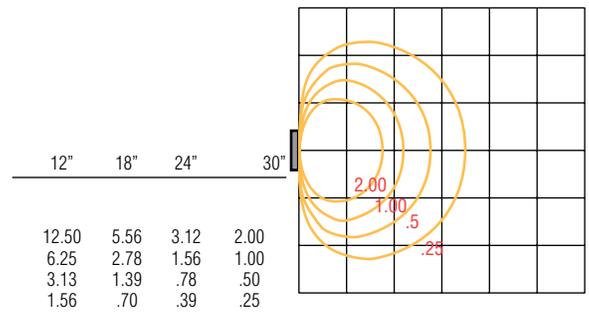
ASL7 LS LINEAR SPREAD LENS 35 WATT T-4 HALOGEN

30" MOUNTING HEIGHT
ONE GRID SQUARE EQUALS
ONE MOUNTING HEIGHT



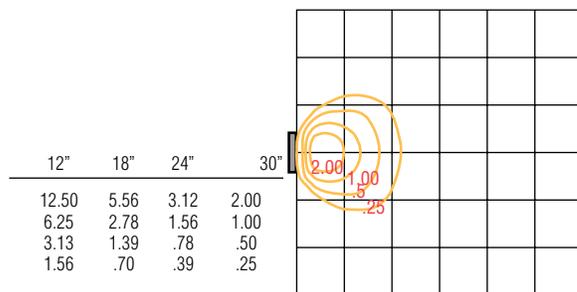
ASL10 LS LINEAR SPREAD LENS 50MH

30" MOUNTING HEIGHT
ONE GRID SQUARE EQUALS
ONE MOUNTING HEIGHT



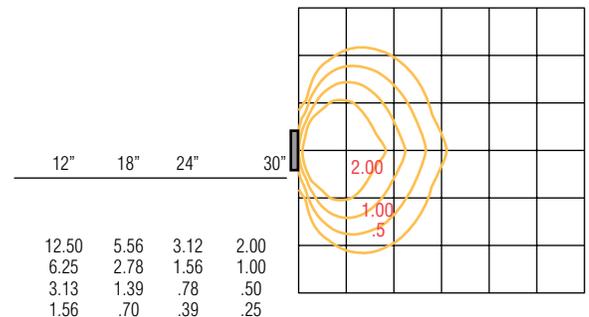
ASL7 EYE 35 WATT T-4 HALOGEN

30" MOUNTING HEIGHT
ONE GRID SQUARE EQUALS
ONE MOUNTING HEIGHT



ASL10 EYE 50MH

30" MOUNTING HEIGHT
ONE GRID SQUARE EQUALS
ONE MOUNTING HEIGHT



HOUSING

The housing shall be one piece, molded from fiberglass impregnated, U.L. listed, sheet molding compound. The housing shall have threaded brass inserts molded into the housing to attach the cover assembly. The housing shall include a removable aluminum mounting strap to secure the housing to the structure. The semi recessed and surface mounted fixtures (round style only) shall have an extruded aluminum outer shell, and include a cast aluminum back plate. All internal and external hardware shall be stainless steel.

The cover assembly shall consist of a die cast aluminum (or brass) frame and inner ring assembly. The cover assembly shall fully seal the housing with a molded silicone gasket. The inner fascia ring shall be rotatable to insure horizontal alignment independent of the housing. Four captive stainless steel fasteners are loosened to access the lamp and ballast assembly. The lens shall be tempered glass, frosted or with a molded linear refractor pattern. The outer sleeve for the surface (SURF), and semi recessed (SEMI) model option is extruded aluminum with a cast aluminum back plate. The standard housing is attached to the sleeve with four stainless steel screws. The assembly is then secured to the back plate with four stainless steel set screws.

For non-IC rated fixtures, fixtures must be 3" away from insulation in open walls.

OPTICAL ASSEMBLY

The ASL10 reflector module shall be composed of faceted, specular anodized aluminum panels rigidly attached to an aluminum tray. The reflector shall have an integral lamp shield. The reflector module shall snap into the housing and have a five degree rotational compensation adjustment to align the lamp horizontally. The ASL7 reflector module shall be a spun, anodized aluminum parabolic reflector with a snap on lamp shield. The socket shall be vertically adjustable to change the light distribution.

ELECTRICAL

The ballast shall be mounted on a prewired tray with a quick disconnect plug and removed by pulling out of the housing. The ASL10 HID ballasts are high power factor, rated for -30°F starting. Sockets are medium base, pulse rated porcelain. The ASL10 compact fluorescent model shall have a socket for a 26 or 32 watt 4 pin lamp, and an electronic ballast, -5°F starting. Ballasts are multi-tap, wired at the factory for 277 volts. The ASL10 shall use a 9LED module (15 watt) for 120 thru 277 volt input. The ASL7 shall use a 3LED module (5 watt) for 120 thru 277 volt input. The ASL7 shall have an electronic transformer, 120 or 277 volt input with a 11.6 volt output to extend the lamp life. The base is a porcelain universal type to accept bi-pin or MR16 lamps. The ASL7 compact fluorescent lamp option shall use an electronic transformer 9 watt, 2-pin lamp, or an electronic transformer 13-watt, 4-pin lamp.

FINISH

Fixture finish consists 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 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance.

CERTIFICATION

The fixture is listed with ETL for outdoor, wet location use, conforms to UL1598 and Canadian CSA Std. C22.2 NO.250. IP Rating: 66

WARRANTY

Fixture is warranted for three years. Ballast components carry the ballast manufacturer's limited warranty.

PHOTOMETRICS

Complete photometric data is available in IES formatted files on AAL's website: www.aal.net.



Architectural Area Lighting
16555 East Gale Ave. | City of Industry | CA 91745
T 626.968.5666 | F 626.369.2695 | www.aal.net/aal/asl110.html