

# LARGENT™



ARCHITECTURAL AREA LIGHTING

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



### Energy Efficient

The Largent uses electrical energy in the most efficient possible way. The reflectors are designed to direct the illumination to the surface with no stray light which translates into wasted energy. A wide variety of lamp and ballast systems give you more energy efficient design choices. The result is more light with less energy consumption.



### Light Pollution

The Largent is available with full cutoff reflectors which means there is no light emitted at 90° horizontal or above. This ensures no light is beamed into the sky which contributes to light pollution and wasted energy.



### Longevity

AAL manufactures 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 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. Our powder coating process eliminates the release of volatile chemicals into the atmosphere. The Largent, like all AAL products is produced in the USA with renewable materials such as aluminum and stainless steel.

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SL VT-H3



SL VTLDL



## CONSTRUCTION

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The Largent's cast door frame hinges open with one captive screw for easy relamping and the top opens for ballast access (Reflector models only)

The Largent features either an acrylic or glass lens that will not yellow over time and depreciate light output

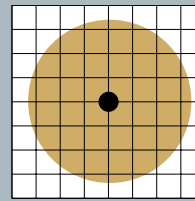
Fixtures are finished with a TGIC super polyester powder coat for long lasting protection from the elements

## OPTICAL SYSTEMS

The Largent is a geometric design using state of the art optical systems to precisely light streets, parks and pedestrian venues. The Largent is available with either stacked louvers, a diffused lens (LDL) or a full cutoff horizontal reflector system.

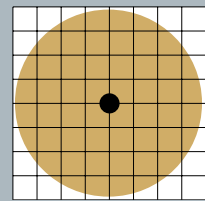
The Largent's horizontal reflector system is available in four light distributions for maximum efficiency and precise placement of the light. The reflector system meets IES standards for full cutoff classification that address Dark-Sky requirements.

### STACKED REFLECTOR



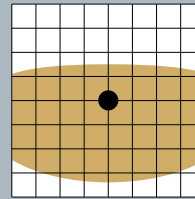
TYPE 5 · SL VTL

### LDL OPTIONS (Lightly Diffused lens)

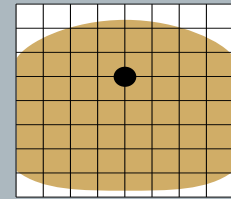


TYPE 5 · SL VTLDL

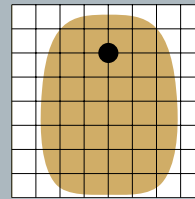
### HORIZONTAL REFLECTOR SYSTEMS



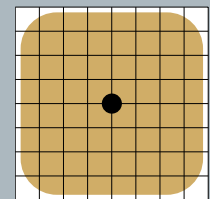
TYPE 2 · SL VT-H2



TYPE 3 · SL VT-H3



TYPE 4 · SL VT-H4



TYPE 5 · SL VT-H5

## EGRESS LIGHTING

The Largent is an aesthetic solution to the task of proper lighting around the perimeter of a building. Egress lighting codes require an illuminated path for occupants to get a safe distance from the building. Two options are offered.

1. **QRS** - The quartz restrike option uses an electronic controller to energize a quartz lamp, providing illumination until the HID lamp is started or restored to full brightness.
2. **QL** - An auxiliary quartz lamp that is wired to a separate emergency power circuit.

Note: For reflector models only.







SL VT-H3

SL VTLDL





SL VT-H3



SL VT-H3



# ORDERING INFORMATION

## EXAMPLES OF COMPLETE ORDERING INFORMATION

1	2	3	4	5
FIXTURE	LAMP/BALLAST	COLOR	OPTIONS	MOUNTING
SL VTL	100MH	BLK	•	SLA-22

### 1. FIXTURE

SL VTL	Clear acrylic lens with stacked low brightness louvers
SL VTLDL	Lightly diffused acrylic lens
SL VT-H2	Tempered glass lens, Type 2 horizontal full cutoff reflector
SL VT-H3	Tempered glass lens, Type 3 horizontal full cutoff reflector
SL VT-H4	Tempered glass lens, Type 4 horizontal full cutoff reflector
SL VT-H5	Tempered glass lens, Type 5 horizontal full cutoff reflector

### 2. LAMP/BALLAST

CF	Fluorescent, electronic 120 thru 277 volt ballast. Use 4-pin 26, 32 or 42 watt lamp. -18° C min start temp.
PL57	57 watt compact fluorescent 120 thru 277 volt ballast. Use GE F57QBX lamp. -10° C minimum start temp. <b>Horizontal reflector models only.</b>
PL70	70 watt compact fluorescent 120 thru 277 volt ballast. Use GE F70QBX lamp. -10° C minimum start temp. <b>Horizontal reflector models only.</b>
50MH	50 watt metal halide 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
70MH	70 watt metal halide 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
70MHT6	70 watt metal halide ballast, 120/277/347 volt ballast. Use G12 base, T-6 ceramic lamp.
100MH	100 watt metal halide 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
150PSMH	Pulse start 150 watt metal halide 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
150PSMHT6	Pulse start 150 watt metal halide 120/277 volt ballast. Use G12 base, T-6 ceramic lamp.
250PSMH	Pulse start 250 watt metal halide 120/208/240/277 volt ballast. Use mogul base, ED-28 lamp. <b>Horizontal reflector models only.</b>
50HPS	50 watt high pressure sodium 120/277 volt ballast. Use medium base, ED-17 lamp.
70HPS	70 watt high pressure sodium 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
100HPS	100 watt high pressure sodium 120/208/240/277 volt. Use medium base, ED-17 lamp.
150HPS	150 high pressure sodium 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
200HPS	200 high pressure sodium 120/208/240/277 volt ballast. Use mogul base, ED-18 lamp. <b>Horizontal reflector models only.</b>
250HPS	250 high pressure sodium 120/208/240/277 volt ballast. Use mogul base, ED-18 lamp. <b>Horizontal reflector models only.</b>

*All ballasts are factory wired for 277 volts, unless specified. Lamps not included.  
All applicable ballast are EISA compliant.*

### 3. COLORS

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.

### 4. OPTIONS

QRS	Restrike controller and T-4 mini-can socket. <b>Reflector models only.</b> Not required with electronic ballast. QRS lamp wattage not to exceed primary lamp wattage.
QL	Socket for T-4 mini-cand lamp, field wired to a separate circuit. <b>Reflector models only.</b> QL lamp wattage not to exceed primary lamp wattage.
HSS	House Side Shield. <b>Reflector models Type 2 and 4 only.</b> Factory Installed.
347	120/277/347 volt for HID ballasts





SL VT-H3

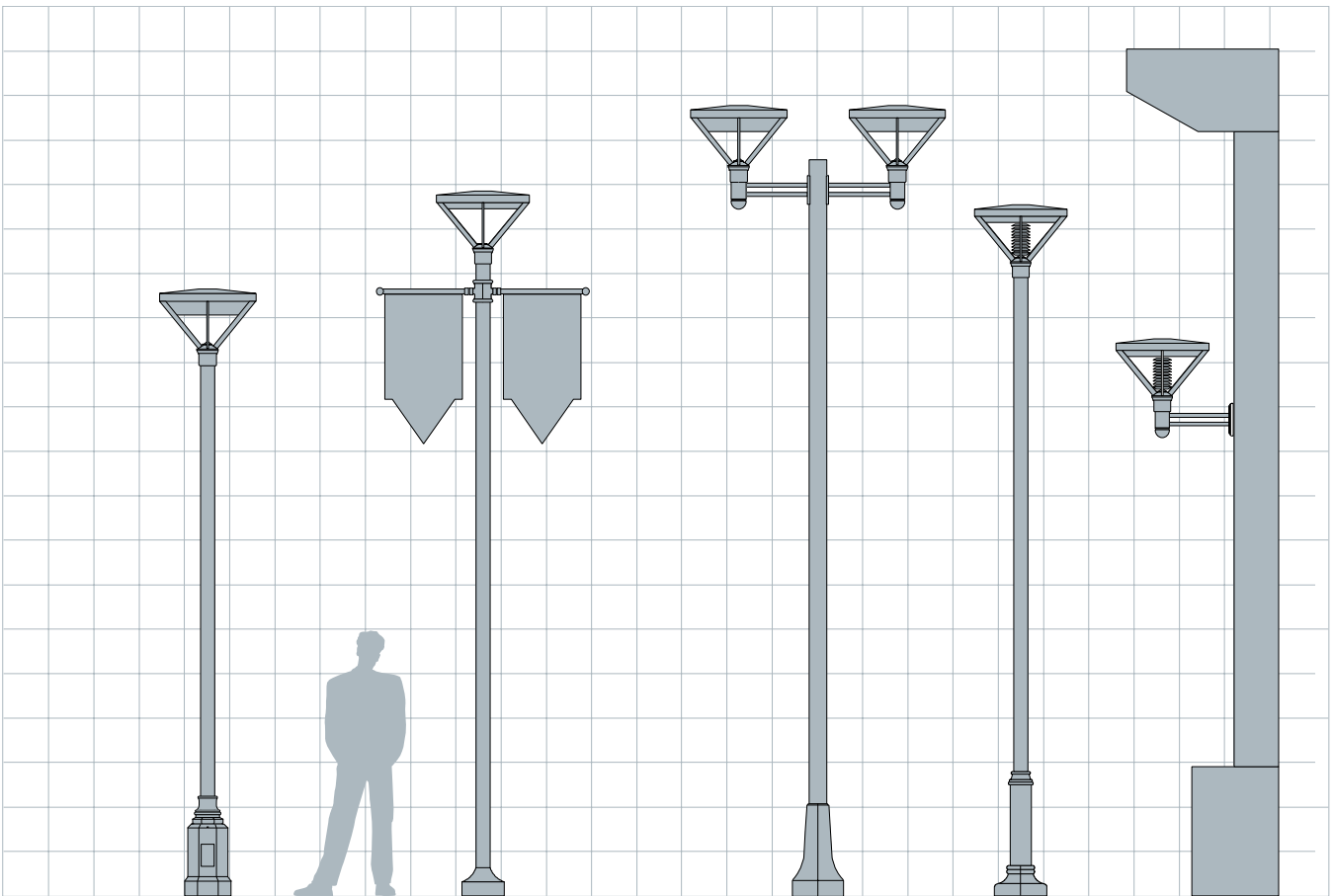


SL VT LDL



SL VT-H3

**ELEVATED SCALE**



SCALE: 0.25" = 1'

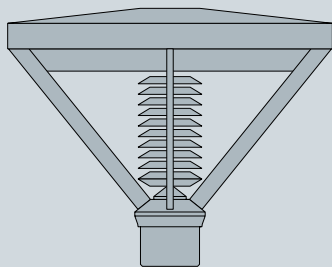
HEAD	SL VT-H5	SL VTLDL	2-SL VT-H3	SL VTL	SL VTL
ARM	•	•	2-SLA-22	•	WMA 22
POLE	DB9-4R12	PR4-4R16-BC1-4	PR5-5R16-BC5-5	DB6-4R14	•
OPTIONS	•	BBD4-24	•	•	•

## DIMENSIONS

### SL VTL

25.5" wide x 20" high

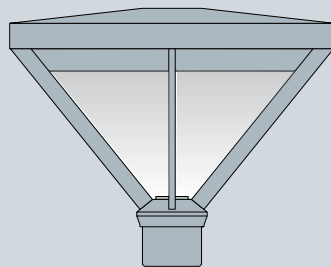
Weight: 32 EPA: 2.15 IP: 65



### SL VTLDL

25.5" wide x 20" high

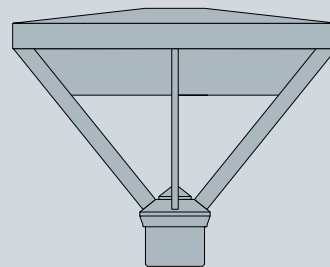
Weight: 32 EPA: 2.15 IP: 65



### SL VTH

25.5" wide x 20" high

Weight: 32 EPA: 2.15 IP: 65



## SPECIFICATIONS

### HOUSING

The fixture fitter shall be one-piece cast aluminum. The upper housing shall be spun aluminum. The top shall be removable to access the ballast. The top shall be secured with two captive, slotted screws. All hardware shall be stainless steel.

### SL VTL

The louver assembly shall be satin anodized aluminum. The lens shall be one-piece molded clear acrylic. The lamp is accessed by removing the top cover and opening the lamp compartment.

### SL VTLDL

The lens shall be one-piece molded clear acrylic with a lightly diffused finish. The lamp is accessed by removing the top cover and opening the lamp compartment.

### REFLECTOR MODULE

The reflector shall consist of specular and semi-specular die formed panels precisely positioned within the reflector housing. The reflectors shall meet IES-ANSI specifications for full cutoff classification. The reflector module shall be accessible for relamping by loosening one captive fastener on the hinged, cast aluminum door frame. The door frame shall be sealed to the housing with a silicone compression gasket. A tempered glass lens shall be sealed to the door frame.

### ELECTRICAL

Electrical components shall be mounted and wired to a mounting plate within the fixture. The ballast compartment shall be sealed with an aluminum cover. Ballasts are high power factor rated for -30°C starting. Medium base porcelain sockets are 4KV rated T-6 lamps use a G12 base. High output fluorescent lamps shall be powered by an electronic ballast and shall be rated for a minimum starting temperature of -10°C.

### MOUNTING

Fixture slips over a 4"/100mm or into 5"/127mm O.D. pole. (Required .188" thick wall for 5"/127mm O.D. pole. Secures with three S/S 3/8-16 x 3/8" set screws.)

### 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.

### EISA COMPLIANCE

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

### CERTIFICATION

Fixtures shall be listed with ETL for outdoor, wet location use, conforming to the UL 1598 and Canadian CSA C22.2 no.250. standard. IP = 66

### 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.

## PHOTOMETRICS

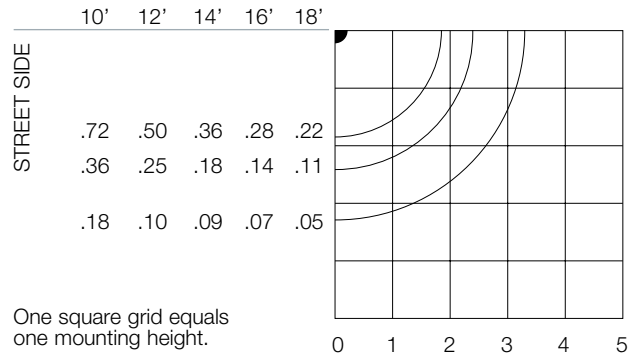
All testing is performed by a certified independent laboratory. To substitute another lamp in the isocandle charts, multiply the chart values by the conversion factor.

LAMP TYPE	LUMENS	150PSMH
70MH	5000-GE	.61
100MH	9000-GE	1.00
150PSMH	12600-V	1.40
70HPS	6300-P	.70
100HPS	9500-GE	1.06
150HPS	16000-GE	1.78

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

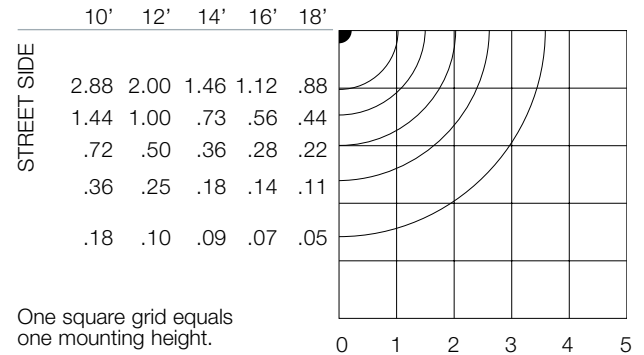
### SL VTL-100 MH

Horizontal footcandles • 100w MH 12' mounting height



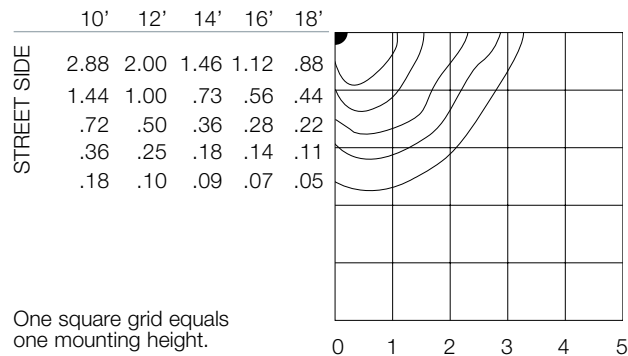
### SL VTLDL-100 MH

Horizontal footcandles • 100w MH 12' mounting height



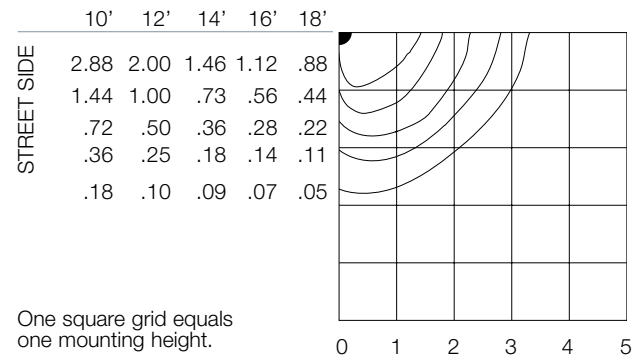
### SL VT-H2-100 MH

Horizontal footcandles • 100w MH 12' mounting height



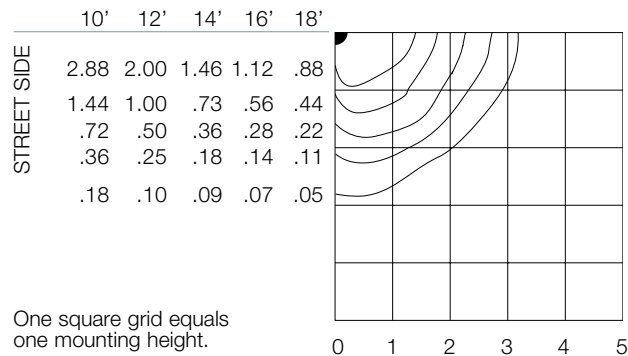
### SL VT-H3-100 MH

Horizontal footcandles • 100w MH 12' mounting height



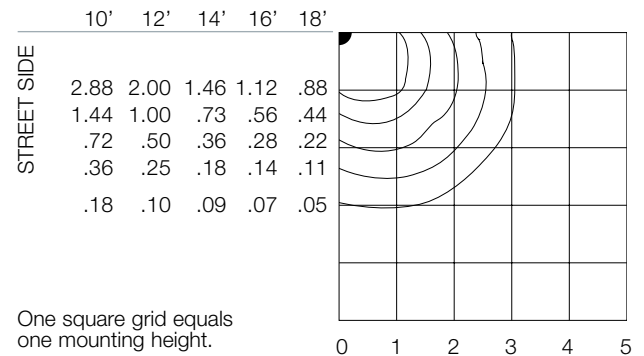
### SL VT-H4-100 MH

Horizontal footcandles • 100w MH 12' mounting height



### SL VT-H5-100 MH

Horizontal footcandles • 100w MH 12' mounting height







LARGENT™



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