

## SPECIFICATIONS

**HOUSING** One piece highly tooled formed aluminum, with integral reinforcements and concealed fasteners and welds. The fixtures are C-UL & UL listed "suitable for wet locations."

**LENS AND LENS FRAME** Clear, heat and impact resistant tempered glass lens, secured in an extruded aluminum door frame. 21" & 27" fixtures with VS, V and VR distribution use square convex lens (unless otherwise noted), all others use square flat lens and are full cutoff. Note: Drop acrylic lens (DA) is standard on 21" vertically lamped units.

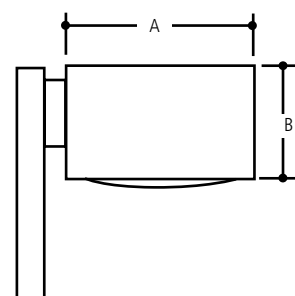
**GASKETING** The lens is fully gasketed to the lens frame with closed cell neoprene. The lens door frame is gasketed to the housing with a dense silicone extruded gasket featuring twin flexible extensions to provide a double seal.

**INSTALLATION** Design SL housings are provided with a cast aluminum 2.5" arm for mounting a single fixture or twin fixtures at 180°. A 13.5" long extruded aluminum arm (LA) is supplied for other mounting configurations.

**REFLECTOR** Reflector systems can be easily rotated in 90° increments or interchanged without the use of tools. Design SL is available with the following reflector systems: 1) Type S (16" & 21") — square distribution; 2) Type VS — square distribution; 3) Type VR (27") — rectangular distribution; 4) Type I (16" & 21") — asymmetrical distribution; 5) Type III — asymmetrical distribution; 6) Type F — forward throw distribution; 7) Type 2 — asymmetrical distribution; 8) Type V — symmetrical distribution.

**BALLAST** All CWA ballasts (+10% to -10% lamp power regulation) shall be tray mounted and supplied with quick-disconnects. Ballasts are rated for -20° F operation. All non CWA ballasts shall be HPF.

**FINISH** Polyester powder coat, electrostatically applied, which is preceded by a five step pre-treatment process including an iron phosphate priming stage for superior coating adhesion. This process meets or exceeds all ASTM testing requirements, including those for 1,000 - hour salt spray endurance testing.



DIMENSIONS			
	16"	21"	27"
A	16.00" sq. (406.4 mm)	21.00" sq. (533.4 mm)	27.00" sq. (685.8mm)
B	9.50" (241.3 mm)	11.00" (279.4 mm)	15.00" (381.0 mm)
WEIGHT			
	16"	21"	27"
	45 lbs. (20.45 kgs)	54 lbs. (24.54 kgs)	77 lbs. (35 kgs)

### EFFECTIVE PROJECTED AREA (EPA)

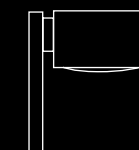
	16"	21"	27"
1 Fixture	1.36 sq. ft. (.13M2)	2.08 sq. ft. (.19M2)	3.65 sq. ft. (.35M2)
2 Fixtures	2.72 sq. ft. (.26M2)	4.16 sq. ft. (.39M2)	7.30 sq. ft. (.70M2)
3 @ 90°	4.00 sq. ft. (.38M2)	6.24 sq. ft. (.59M2)	11.00 sq. ft. (1.05M2)
3 @ 120°	4.50 sq. ft. (.43M2)	6.75 sq. ft. (.64M2)	11.50 sq. ft. (1.1M2)
4 @ 90°	4.50 sq. ft. (.43M2)	6.75 sq. ft. (.64M2)	11.50 sq. ft. (1.1M2)

*Quality Lighting™*

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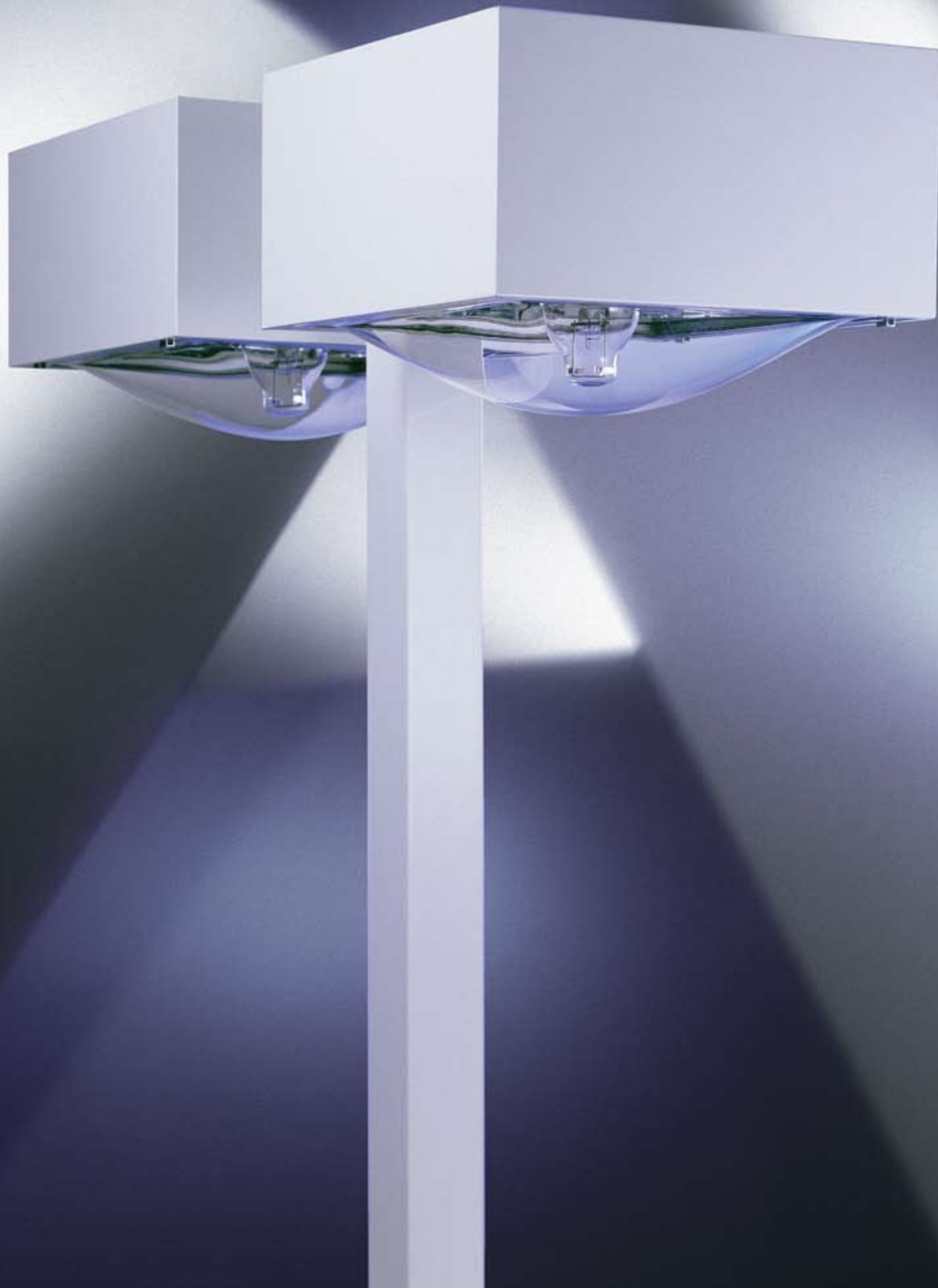
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AREA & ROADWAY

**DESIGN-SL-16/21/27**



## DISTRIBUTIONS

TYPE S	Square (Horiz. Lamp)	TYPE 3	Asymmetrical (Horiz. Lamp)
TYPE VS	Square (Vertical Lamp)	TYPE F	Forward Throw (Horiz. Lamp)
TYPE VR	Rectangular (Vert. Lamp)	TYPE V2	Asymmetrical (Vert. Lamp)
TYPE 1	Asymmetrical (Horiz. Lamp)	TYPE V	Symmetrical (Vert. Lamp)

**ORDERING EXAMPLE** SL-21-VS-HPS-400-CL-DB-120-CWB-FD-CL80 x 360

DESIGN	DISTRIBUTION	HPS	MH = Std. Metal Halide	LAMP	CL = Convex glass lens
			MHP = Pulse Start		FL = Flat glass lens
SL-16	S	70/100/150	70/100/150/175/200*	ED-17	FL
	1	70/100/150	70/100/150/175/200*	ED-17	FL
	3	70/100/150	70/100/150/175/200*	ED-17	FL
	F	70/100/150	70/100/150/175/200*	ED-17	FL
	VS	70/100/150	70/100/150/175/200*	ED-17	FL
SL-21	VS	250/400		ED-18	CL or FL
	VS		250/400/450*	BT-28/BT-37	CL
	VS		400 Flat Lens	BT-28	FL
	V2	250/400		ED-18	CL or FL
	V2		250/400/450*	BT-28/BT-37	CL
	S	250/400		ED-18	FL
	S		250/400	BT-28/BT-37	FL
	1	250/400		ED-18	FL
	1		250/400	BT-28/BT-37	FL
	3	250/400		ED-18	FL
	3		250/400	BT-28/BT-37	FL
	F	250/400		ED-18	FL
	F		250/400	BT-28/BT-37	FL
SL-27	V or VS	400		ED-18	CL or FL
	V or VS		400/450*	BT-37	CL or FL
	V or VS	750		BT-37	CL or FL
	V or VS		1000	BT-56	CL
	V or VS		1000 Flat Lens	BT-37	FL
	V or VS	1000 Flat Lens		BT-37	FL
	V or VS	1000		E-25	CL
	VR		1000	BT-56	CL
	VR		1000 Flat Lens	BT-37	FL
	VR	1000		E-25	CL
	F	1000		E-25	FL
	F		1000	BT-56	FL

\* Available only in Pulse Start 70,100,150,200,450 MHP = Pulse Start

## REQUIRED CHOICES

### FINISH

BK Black	WH White	GR Green	FG Gray	DB Bronze	SL Silver	CC Custom
						

### VOLTAGES MOUNTINGS

120	SA	Standard Arm (2.5")
208	LA	Long Arm (13.5")
240	CWB	Cast Wall Bracket
277	ESF	External Slip Fitter
347		(for 2-3/8" O.D. Pipe)
480		

## OPTIONAL CHOICES

### ELECTRICAL OPTIONS

FD	Single Fusing 120V/277V
FDD	Double Fusing 480V
FDFD	Double Fusing 208V/240V
FDC	Single Fusing 347V
PCT	Photo Cell and Receptacle

### OPTICAL OPTIONS

LX	Vandal Resistant Lens (SL-21 & SL-16 only)
CL	Convex glass for SL-21 only (Standard - acrylic)

### LIGHT TRESPASS OPTIONS

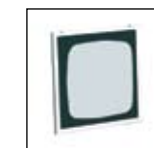
CL80x360	Internal 80° Vert. x 360° Horiz. Lens Shielding
CL60x135	Internal 60° Vert. x 135° Horiz. Lens Shielding
HSS	House Side Shield (75° Standard) (external)
FL	Flat clear glass lens (see ordering information for availability)



CWB



ESF



CL80x360 - Internal 80° Vert. x 360° Horiz. Lens Shielding



CL60x135 - Internal 60° Vert. x 135° Horiz. Lens Shielding