

Project Name:	Type:
Notes:	Order Matrix Number:

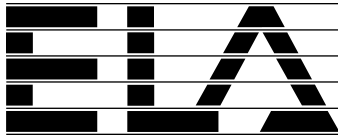
# WAVE

A large, light gray graphic of the word 'wave' in a cursive, lowercase font is positioned behind the main title 'WAVE'.

The *Wave* is a beautiful contemporary luminaire designed to deliver maximum performance. Mission accomplished! It easily outperforms its closest competitors in side-by-side laboratory testing. Suitable for pole, cross arm, or wall mounting conditions, the *Wave* is a perfect high-end solution to street and roadway lighting, parking lots, site and walkway lighting, shopping malls, school, and universities, and much more.

Constructed of high grade aluminum and finished with a powder-coated finish with a sealed, tempered glass lens, the *Wave* is built for the harshest outdoor elements. The *Wave* can also meet or exceed the high standards of today's lighting requirements by offering extraordinary optics. The *Wave* is available with an array of high-performance segmented reflectors to achieve maximum performance for all light distributions and is designed with a natural full cut-off to meet all Dark Skies requirements. Available in up to a maximum 400 watt Metal Halide or 310 watt High Pressure Sodium, the *Wave* can also accommodate today's Low-Energy requirements with up to 135 watt LED or 250 watt Induction sources while still maintaining exceptional light output.

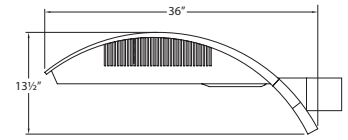
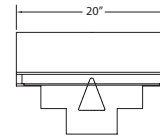
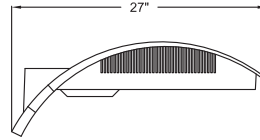
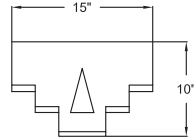
The *Wave* offers a classic contemporary look while performing at a level that is second to none.



1	2	3	4	5	6	7	8	9
Fixture	Size	Mounting	Optics	Ballast	Voltage	Lens	Color	Option
<b>WAV</b>	<b>36</b>	<b>C3</b>	<b>H4</b>	<b>250PSMH</b>	<b>277</b>	<b>CG</b>	<b>R</b>	<b>HSS</b>

**1. Fixture: WAVE**

**2. Size**



**Matrix #:**

**27**

Description:  
Notes:

15" Wide x 27" Long x 10" Tall  
Max Wattage: 150W  
EPA: 0.70  
Weight: 47 lbs.

**36**

20" Wide x 36" Long x 13 1/2" Tall  
Max Wattage: 400W  
EPA: 1.20  
Weight: 70 lbs.

**3. Mounting**



**Matrix #:**

**A1**

**B1**

**B2**

**C3**

**C2**

**D1**

**WB**  
Wall  
Bracket

Description:

180° Apart

90° Apart

90° Apart

120° Apart

90° Apart

**Notes:**  
1) Please consult factory for Poles, Wall Brackets, and other mounting options.

**4. Optics**



**Matrix #:**

**H2**

**H3**

**H4**

**H5**

Description:

TYPE 2

TYPE 3

TYPE 4

TYPE 5

**5. Ballast**

Description:	Pulse Start Metal Halide (Watts / Type)	Incandescent (Watts / Type)	Metal Halide (Watts / Type)	High Pressure Sodium (Watts / Type)	Compact Fluorescent (Watts / Type)	Induction Tubular Type (Watts / Type)	Induction Circular Type (Watts / Type)
<b>Matrix #:</b>	50PSMH 70PSMH 100PSMH 150PSMH 175PSMH 200PSMH ■ 250PSMH ■ 320PSMH ■ 350PSMH ■ 400PSMH ■	INC	50MH 70MH T6 70MH 100MH T6 150MH 250MH ■ 350MH ■ 400MH ■	50HPS 70HPS 100HPS 150HPS 200HPS ■ 250HPS ■	18CFL 26CFL 32CFL 42CFL 57CFL 60CFL	40iT 70iT 80iT 100iT	40iC 70iC 80iC 100iC 120iC 150iC
		LED (Watts / Type)				Induction Bulb Type (Watts / Type)	
		40LED 75LED 135LED				35iB 55iB 85iB 100iB	

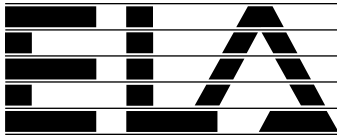
**Notes:**  
1. Electronic ballast available for 50, 70, 100, and 150 watt MH lamps.  
2. Other wattages and ballasts available. Consult factory.

■ Fits WAV size 36 vertical only.

**6. Voltage**

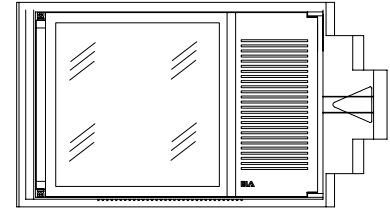
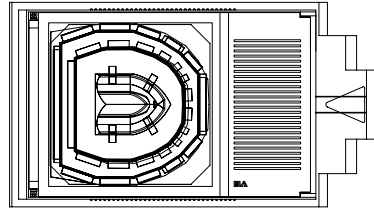
<b>Matrix #:</b>	<b>120 *</b>	<b>208</b>	<b>240</b>	<b>277 *</b>	<b>347</b>	<b>480</b>
Description:	120V	208V	240V	277V	347V	480V

**Notes:**  
\* Only these voltages are available with LED.



**7. Lens**

**Notes:**  
Consult factory for other lens options.



**Matrix #:** **CG**  
**Description:** Tempered Clear Glass

**Matrix #:** **FG**  
**Description:** Tempered Frosted Glass

**8. Color**

**Notes:**  
Consult factory for custom colors.

**Powder Coat Finish**

Matrix #	Description
AG	Augustine Green
GY	Architectural Grey
CC	Charcoal
CY	Clay
DB	Dark Bronze
HR	Harbor Blue
HP	Hammered Pewter

Matrix #	Description
MG	Malaga Green
MN	Midnight
PW	Pewter
SS	Sand Storm
SB	Statuary Bronze
VL	Village Green
W	White

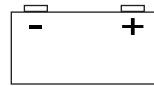
**Hand-Applied Finish**

Matrix #	Description
CH	Cracked Hide
LV	Light Verde
OR	Old Iron
R	Rust
V	Verde

**9. Options**

**Notes:**  
1) BBU option is available for fluorescent lamp only.  
2) Test button location shall have visibility for testing on site. Consult factory for placement location.

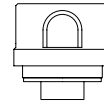
**Photocell Options:**  
Photocell is available in 120 thru 480 volts. Specify when ordering.



**Matrix #:** **BBU**  
**Description:** Battery Backup



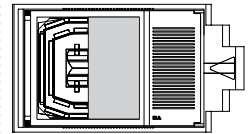
**Matrix #:** **PCB**  
**Description:** Photocell Button



**Matrix #:** **PCR**  
**Description:** Photocell receptacle  
*Twist Lock by others*

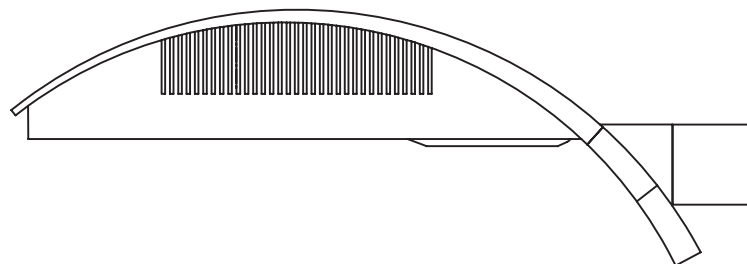


**Matrix #:** **TB**  
**Description:** Terminal Block



**Matrix #:** **HSS**  
**Description:** House Side Shield

**Fixture Ordering Example:**



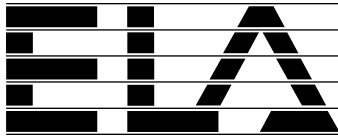
**WAVE/36/C3/H4/250PSMH/277/CG/R/HSS**

1	2	3	4	5	6	7	8	9
Fixture	Size	Mounting	Optics	Ballast	Voltage	Lens	Color	Option
<b>WAV</b>	<b>36</b>	<b>C3</b>	<b>H4</b>	<b>250PSMH</b>	<b>277</b>	<b>CG</b>	<b>R</b>	<b>HSS</b>
Wave Fixture	36"	3 pcs. Rotated 90° apart	Horizontal Type 4	250 Watt Pulse Start Metal Halide	277 Volts	Tempered Clear Glass	Hand Applied Rust	House Side Shield

**Fixture Ordering Form:**

1	2	3	4	5	6	7	8	9	9	9
Fixture	Size	Mounting	Optics	Ballast	Voltage	Lens	Color	Option	Option	Option

1. **WAV** / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_



# Specifications

**Housing:**

One-piece cast, low copper aluminum A356 alloy (<0.6% Cu) with integrated cooling ribs for advanced heat management. Solid barrier wall separates optical and electrical compartments.

**Electronic Ballast Module:**

Aluminum 5052 alloy plate with integral cooling ribs over exposed bottom surface. Electronic components mounted on a tool-less, removable tray for easy maintenance. All electronic components are UL and CSA recognized and mounted directly to the ballast tray for maximum heat dissipation.

**Magnetic Ballast Module:**

Aluminum 5052 alloy plate with integral cooling ribs over exposed bottom surface. Magnetic and electrical components mounted on a tool-less, removable tray for easy maintenance. All electronic components are UL and CSA recognized and mounted directly to the ballast tray for maximum heat dissipation. All ballast offerings meet the 2009 state and nationwide energy requirements and codes.

**Lens:**

A 3/16" tempered glass lens retained by eight electro-zinc plated clips & sealed to lens frame by silicone gasket. Lens frame is hinged to housing by stainless steel expansion pins and seals the optical compartment with a one-piece, extruded silicone gasket fused at ends for continuous loop.

**Reflector Module:**

High specular optical segments are rigidly mounted within carrier plates to maintain form. Reflector made of 95% reflective material. The reflectors are designated as IES full cutoff. The optic assembly is rotatable in 90° increments and fastened to the housing as a one-piece module.

**Finish/Color:**

Finish is super TGIC thermoset polyester powder coat paint. ELA offers RAL color matches along with our standard color selection. Custom and hand applied colors are available upon special request.

**Certification:**

Fixtures shall be listed for outdoor, wet location. UL1598, IP rating: 65.

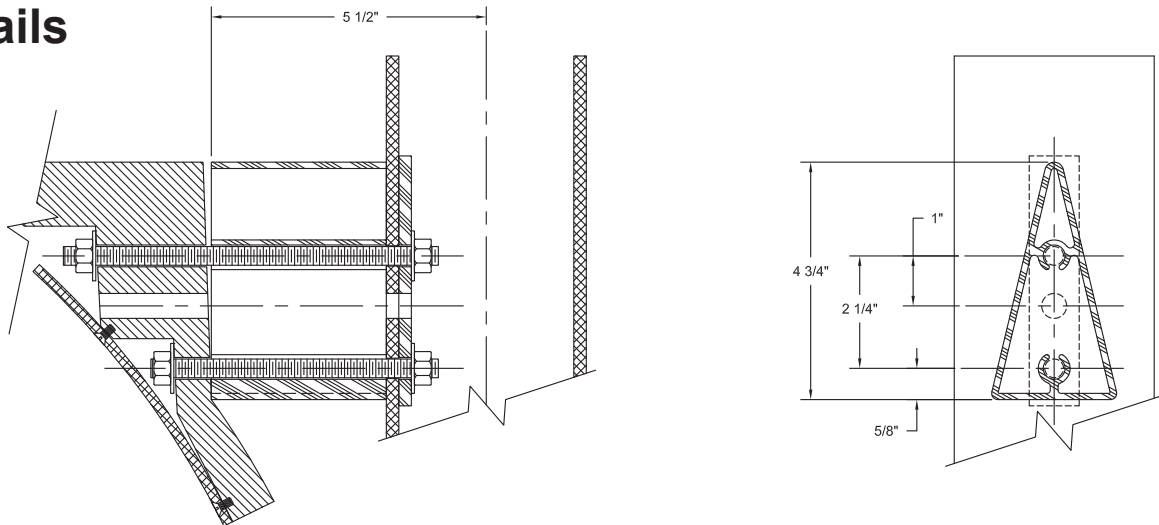
**Caution:**

Fixtures must be grounded in accordance with national, state, and/or local codes. Failure to do so may result in serious personal injury.

**DESIGN PATENT PENDING.**

**ELA RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.**

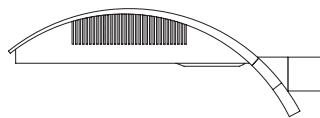
## Arm Details



## On-line Support

ELA offers multiple file formats to help designers conceptualize their design plans. Available files shall be compatible for the following programs:

*AutoCad, AGI32, Revit, SketchUp, Photoshop and more.*



2D Drawing



3D Drawing



Studio Image