

# 1527 OMEGA SERIES

# SPECIFICATIONS

## GENERAL

1527 Omega R and F series are full cut-off decorative down-light fixtures having a spun aluminum bell styled shade that is available in flared or round edge. Attached to the upper portion of the spun aluminum bell shade is an aluminum casting which acts as a means of coupling the fixture to an assortment of arms. All fixtures have sealed and rotatable optics and are available with flat, sag, clear or frosted glass.

## BALLAST HOUSING

The ballast is housed in the upper section of the spun aluminum shade and is easily accessible by means of one tool-less entry door. The ballast tray can be detached from the fixture after removal of two pan head screws unclipping two sets of electrical quick disconnect connectors.

## ELECTRICAL

The fixture shall be U.L. or E.T.L. listed. H.I.D. ballasts shall be high power factor with lamp starting down to -30 degrees C. Medium and Mogul porcelain sockets are 4KV rated. The ballast tray assembly is connected to the lamp socket and line supply via quick disconnect connectors for ease of replacement. CFL option shall be supplied with a 4-pin socket to accept quad or triple tube lamps. The QL Induction System option provides 5-10 times the life of HID lamps and provides Instant on-Instant restrike. Ballasts shall be DOE EISA compliant.

## FIXTURE ASSEMBLY

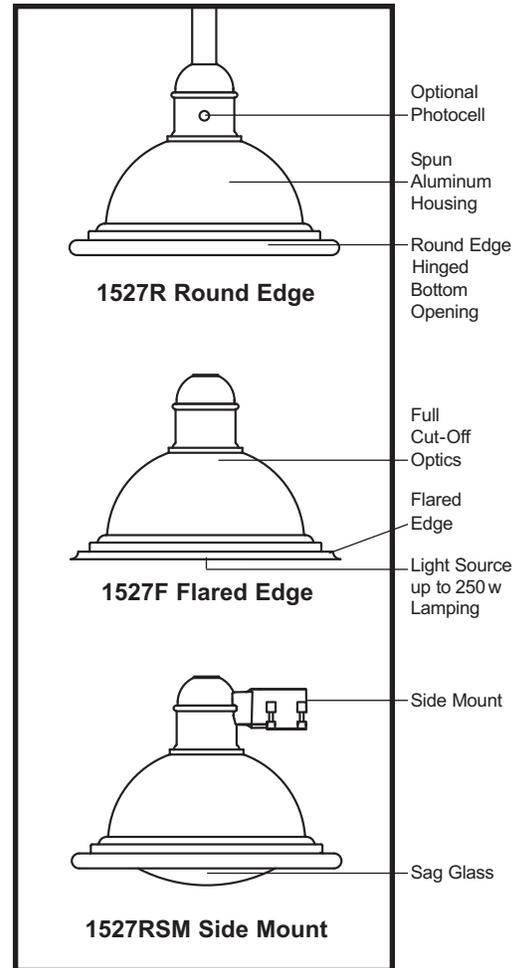
The 1527 fixtures shall be made of spun aluminum and having an outside diameter of 27" x 19 1/4" in height (19" on F). Tool-less entry allows easy access to lamp and ballast. A spring type latch allows access to lamp compartment, and ballast tray. Two decorative shades are available, either round (R) or flared (F). An optional hangstraight (HS) is available to ensure a plumb fixture installation even with unlevel foundations.

## LENSES

The luminaire shall be standardly supplied with a clear tempered flat glass (CFG) lens or with optional clear sag glass (CSG), frosted tempered flat glass (FFG), or frosted sag glass (FSG). (Note: FFG and FSG lenses change the photometric output of the luminaire and are recommended for use with only Type 5 distribution).

## OPTICAL OPTIONS

**NIGHTSKY® STAR-SHIELD® Roof Optics** distribution shall be delivered by a hydroform roof mounted reflector system which eliminate uplight and provides full cut-off. The reflector cavity shall be made of specular anodized aluminum. Flat lens models provide full cut-off performance. Roof Optics Type 2 (RO2H), Type 3 (RO3H) and Type 5 (RO5H) are for mogul base lamps.



**EPA = 0.93 (ft²)  
WEIGHT = 25 LBS**

**Rated IP65**



**LIST NO.  
1527 OMEGA  
SERIES**

# 1527 OMEGA

# FIXTURES / ARMS PM - WB

**FIXTURES / OPTICAL SYSTEMS      LENSES      HANGING BRACKETS**

**1527R**      **1527RSM**      **1527F**

**ROH**  
Roof Optics  
Horizontal  
2, 3 or 5

**CFG**  
Flat Glass

**CSG**  
Sag Glass

**FFG**  
Frosted Flat  
Glass

**FSG**  
Frosted Sag  
Glass

**HS Hangstraights (Optional)**

**SH44 Stem Hung**

**HS-HB Horizontal**  
8 1/4" W x 10 5/8" H

**HS-V Vertical**  
4" W x 4 7/8" H

**HS-CB Clamp**  
12 1/2" W x 10 5/8" H

SPECIFY OVERALL DROP IN INCHES

**ARMS - POST MOUNT (PM) or WALL BRACKETS (WB)**      See Arms Section for more information

**OA Single Arm**      **OA Twin Arm**      **OB Single Arm**      **OB Twin Arm**      **OC Single Arm**      **OC Twin Arm**

**OD Single Arm**      **OD Twin Arm**      **OE Single Arm**      **OE Twin Arm**      **OF Single Arm**      **OF Twin Arm**

**OG Single Arm**      **OG Twin Arm**      **OH Arm**      **OI Arm**      **OJ**      **OL**

**ON**      **OQ**

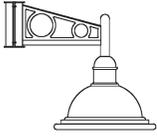
# BUILDING A PART NUMBER

## POST & ARM FIXTURES



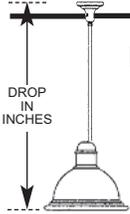
ARM MOUNTED FIXTURE		CENTER POST TOP FIXTURE (PT)	POST	POST CAP	LIGHT SOURCE BALLAST	OPTICS	OPTIONS	FINISH
NO. OF ARMS	FIXTURE / LENS / POSTARM	FIXTURE	(See Post Section)		WATTS / TYPE / VOLTS			
2	1527RFG/OD		PT	9114P5	100 MHP120	RO3H	MHP100/MED	BK

## WALL FIXTURES



FIXTURE / LENS / WALL BRACKET	LIGHT SOURCE BALLAST WATTS / TYPE / VOLTS	OPTICS	OPTIONS	FINISH
1527RFG/OJWB	70 MHP120	RO3H	MHP70/MED	BK

## HANGING FIXTURES



FIXTURE / LENS / HANGING BRACKET	OVERALL DROP IN INCHES	LIGHT SOURCE BALLAST WATTS / TYPE / VOLTS	OPTICS	OPTIONS	FINISH
1527RFG/SH44	60 INCHES	150 HPS208	RO3H		BK

## PART NUMBER SELECTIONS

### FIXTURES

- 1527R
- 1527F
- 1527RSM
- 1527FSM

### LENSES

- CFG
- FFG
- CSG
- FSG

### OPTICS

- RO2H
- RO3H
- RO5H

### POST ARMS

#### Single / Double

- OA
- OB
- OC
- OD
- OE
- OF
- OG
- OH
- OI
- OJ
- OL
- ON
- OQ

#### HANGING TYPE

- SH44

### WALL BRACKET ARMS

- OBWB
- OCWB
- ODWB
- OGWB
- OHWB
- OJWB
- OLWB
- ONWB
- OQWB

### VOLTAGES

- 120
- 208
- 240
- 277
- 480
- MULTI (120-277)

### BALLASTS<sup>2,3</sup>

- 35HPS<sup>1</sup>
- 50HPS
- 70HPS
- 100HPS
- 150HPS
- 250HPS
- 50MHP
- 70MHP
- 100MHP
- 150MHP
- 200MHP
- 250MHP
- QL165\*

\*Consult factory for specification details

### LAMPS<sup>3</sup>

- HPS35/MED
- HPS50/MED
- HPS70/MED
- HPS100/MED
- HPS150/MED
- HPS250/MOG/ED18
- MHP50/MED
- MHP70/MED
- MHP100/MED
- MHP150/MED
- MHP200/MOG/ED28
- MHP250/MOG/ED28

### STANDARD FINISHES\*

- BKT Black Textured
- WHT White Textured
- PGT Park Green Textured
- ABZT Architectural Medium Bronze Textured
- DBT Dark Bronze Textured

\*Smooth Finishes are available upon request

### CUSTOM FINISHES

- OI Old Iron
- RT Rust
- WBR Weathered Brown
- CD Cedar
- WBK Weathered Black
- TT Two Tone

### STERNBERG SELECT FINISHES

- VG Verde Green
- SI Swedish Iron
- OWGT Old World Gray Textured

### OPTIONS

- PEC1 Photocell-Bimetal 120 Volt
- PEC2 Photocell-Bimetal 208-277 Volt
- PEC1-E Photocell-Electronic 120 Volt
- PEC2-E Photocell-Electronic 208-277 Volt
- FHS Single Fuse and Holder-120,277 Volt
- FHD Dual Fuse and Holder-208,240,480 Volt
- QR Quartz Re-Strike
- HS Hangstraight
- LAMPS Select from List

### NOTES:

- <sup>1</sup> 35HPS is 120 volt only.
- <sup>2</sup> Medium base socket is standard with ballasts up to 150 watts HID. Mogul base sockets are standard ballasts 200 watts and over. 4-pin for PL.
- <sup>3</sup> Metal halide systems are pulse start.

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## PHOTOCELLS\*

### Bi-metal Cell Option

Photocells shall be thermo bi-metal button type. On single post-top fixtures the photocell shall be mounted in the top casting and pre-wired to the ballast. On multiple head fixtures photocells shall be mounted in the pole shaft, on an access plate. The photocell is not pre-wired since ballasts are mounted in the fitter and packaged separately. The photocell shall turn on at 1.0 foot-candle and turn off at not more than 5 foot-candles. The photocell is 120V or 208-277 volt.

### Electronic Cell Option

Photocells shall be electronic button type. On single post-top fixtures the photocell shall be mounted in the top casting and pre-wired to the ballast. On multiple head fixtures photocells shall be mounted in the pole shaft, on an access plate. The photocell is not pre-wired since ballasts are mounted in the fitter and packaged separately. The photocell is instant-on at 1.5 foot-candle and turn off 5-10 seconds at 2-3 foot-candles. The photocell is 120V or 208-277 volt.

### Roto-Lock Type Option (Available with Side Mount Option Only)

Photocells shall be roto-lock design. They shall be thermal-bimetallic switch type. Photocells shall be mounted in the housing on the photocell bracket and pre-wired to the driver. On multi-fixture poles the photocell shall be mounted in the pole shaft on an access plate. The photocell is not pre-wired since drivers are mounted in the fitters and packaged separately. Photocell time delay is 2 minutes to turn on at 1.5 foot-candles and 2 minutes to turn off at no more than 6 foot-candles. The photocell is 120-277 volt.

\* **Note: Photocells are not IP rated. Fixture mounted PC eliminates IP65 rating.**

## ARMS

The arm construction shall be cast aluminum and/or extruded aluminum. The arms shall be pre-wired for an ease of installation. The arms shall be bolted to a post mount adapter, which is welded to the pole to ensure proper alignment to the base.

## FINISH

Prior to coating, the luminaire shall be chemically cleaned and etched in a 5-stage washing system which includes alkaline cleaning, rinsing, phosphoric etching, reverse-osmosis water rinsing and non-chrome sealing to ensure corrosion resistance and excellent adhesion for the finish coat. The finish coat shall be an electrostatically applied semi-gloss, super durable polyester powder coat, baked on at 400°F, to provide a durable, color retentive finish. The optional Verde Green or Swedish Iron finish shall be hand-brushed using a 3-step process.

## WARRANTY

Five-year limited warranty. See product and finish warranty guide for details.

