



apex
architectural
lighting components

RLR
INDUSTRIES, INC.



design options

ROUND



Cross Guard



Eyelid Guard



Open Guard

OVAL



Cross Guard



Horizontal Eyelid Guard



Vertical Eyelid Guard



Open Guard

HOUSING DEPTHS



Shallow



CFL HW (high wattage)



HID Deep

EXTERIOR FINISHES



White



Black



Bronze



Titanium



Clear Ribbed



Frosted Ribbed



Translucent White

LENS FINISHES



ordering information

Oval Guards: (example- oval guard, cross style, black)

OV	CRS	BK
Shape OV (oval)	Style CRS (cross) VERT (vertical eyelid) HOR (horizontal eyelid) OP (open)	Exterior Color BK (black) BZ (bronze) WH (white) TI (titanium)

Oval Castings: (example- oval casting, shallow depth, black)

OV	CFLW	BK
Shape OV (oval)	Depth CFLW (shallow) CFLHW (mid-height) HID (deep)	Exterior Color BK (black) BZ (bronze) WH (white) TI (titanium)

Oval Reflector Plates:

(example- oval plate, low wattage CFL layout)

OV	CFLWREF
Shape OV (oval)	Layouts CFLREF (compact fluorescent, low & high wattage) HIDREF (HID/MH)

Lenses: (example- oval lens, clear ribbed finish)

OV	DIFFCR
Shape RD (round) OV (oval)	Finish CR (clear ribbed) FR (frosted ribbed) WH (white translucent)

Round Guards: (example- round guard, cross style, black)

RD	CRS	BK
Shape RD (round)	Style CRS (cross) EYE (eyelid) OP (open)	Exterior Color BK (black) BZ (bronze) WH (white) TI (titanium)

Round Castings: (example- round casting, deep depth, black)

RD	HID	BK
Shape RD (round)	Style CFLW (shallow) CFLHW (mid-height) HID (deep)	Exterior Color BK (black) BZ (bronze) WH (white) TI (titanium)

Round Reflector Plates:

(example- round plate, low wattage CFL layout)

RD	CFLWREF
Shape RD (round)	Layouts CFLWREF (compact fluorescent, low wattage) CFLHWREF (compact fluorescent, high wattage) HIDREF (HID/MH)

Tamper Proof Driver # TPTXT15T00L:

for Torx™ T-15 pin-in-head tamper proof screw

PACKS:

Lenses:	10 per carton
Guards:	10 per carton
Castings:	10 per carton
Plates:	10 per carton
Tamper Proof Driver:	shipped per order

-CFLW and CFLHW Castings include lens gasket, casting gasket, lens retaining clips, lens retaining screws, tamper proof screws, and nylon retaining washers. Each carton includes enough hardware and components to produce 10 fixtures, less OEM supplied components.

-HID Castings include lens gasket, casting gasket, lens retaining clips, lens retaining screws, and tamper proof screws, nylon retaining washers, hammertone reflector disk, HID lampholder bracket, and HID ballast strap. Each carton includes enough hardware and components to produce 10 fixtures, less OEM supplied components.

-CFLWREF and CFLHWREF Layouts include holes for mounting plate on casting, and knockouts for wire pass-through for positions of wiring to the lampholders from the transformers. OEM is responsible for modifying the plates with proper transformer holes and lampholder hole patterns.

-HID Layouts include holes for mounting plate on casting, 4 positions to mount the HID bracket, and holes to mount the hammertone reflector disk.



apex architectural lighting components

The Apex series of architectural lighting components can be utilized in the following applications to provide a luminaire which is aesthetically attractive and offers a vandal resistant performance:

- **Educational Facilities**
- **Walkways**
- **Parking Structures**
- **Office Facility interiors, exteriors, and common areas**
- **Single and Multi-unit family dwellings**
- **High End Residential**
- **Any application where a vandal resistant luminaire is required, with a more attractive design as opposed to "box style" traditional vandal resistant luminaires.**

COMPONENT FEATURES:

Injection Molded Lens- one piece, 0.125" minimum thickness injection molded lens with radial prisms, to provide superior illumination. The outside of the lens is slightly textured to reduce the glare effect of the lit luminaire. Lenses are molded from UV-stabilized Polycarbonate, in a clear, frost or translucent white finish.

Injection Molded Guard- one piece, 0.125" minimum thickness injection molded guard. Color is molded throughout the guard. Integral weep holes in the guard allow for drainage of moisture from the face of the assembled luminaire. Several design choices of guards are offered to choose from. Guards are molded from UV-stabilized Polycarbonate, in a choice of 4 colors.

Die Cast Housings- die cast, one piece marine grade aluminum housings available in a choice of three depths, determine by wattage desired of the luminaire to be produced. CFL HW and HID housings have threaded and plugged conduit entry points on 4 locations on the fixture housing.

Gasketing- for the lens, extruded and spliced EPDM ribbed rubber gasketing is provided. For the housings, die cut EPDM foam rubber gasketing is provided, with adhesive backing on one side for affixing to luminaire housing.

Tamper Proof Screws- TORX™ T-15 pin-in-head tamper proof stainless steel screws are provided for affixing of guard to die cast housing.

Reflector Plates- 0.040" thick white aluminum reflector plates are provided for lamp and ballast mounting.

HID components- Ballast Bracket, Lampholder Bracket, and hammertone reflector disk are provided with HID housings for component assembly for the original equipment manufacturer.

Exterior Color Options- Choose from 4 standard color choices. Custom colored guards and housings are available, please contact the factory to discuss your requirements.



product features



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1 **Tamper Proof Fasteners.**

Torx™ T-15 pin-in-head tamper proof stainless steel screws are supplied with all castings. An optional tool for screw installation and removal is available.

2 **Extruded EPDM Rubber Lens Gasket.**

Solid extruded and ribbed, to keep moisture, dirt, and insects from penetrating the interior of the completed fixture set. The gasket is supplied with all castings.

3 **EPDM Foam Rubber Casting Gasket.**

Die cut foam gaskets provides a barrier and seal against moisture, dirt, and insects from penetrating the interior of the complete fixture set at the mounting surface. The gasket is supplied with adhesive applied on one side of the gasket for affixing positively to the casting. The gasket is supplied with all castings.

4 **Lens Retaining Clips and Screws.**

When installed, provides a means for the lens and outer guard of the fixture to be mechanically attached, providing a single lens/outer guard unit which eases installations and relamping procedures. The screws and clips are included with all castings, and are produced from stainless steel.

5 **Nylon Capture Washers.**

When installed, provides a means for the tamper proof screws to remain captured in the outer guard and lens assembly, when the assembly is installed and removed from the cast housing. The washers are supplied with all castings.

6 **Weep Holes.**

Allows rain and liquids coming in contact with the face of the fixture to drain out from the front of the fixture, and to reduce

accumulation of dirt and moisture on the face of the installed fixture. The Round Guards, Oval Horizontal Eyelid Guard, and Oval Vertical Eyelid Guard have one weep hole; the Oval Open Guard and Oval Cross Guard have two weep holes, for utilization of the weep hole in a vertical or horizontal position of installation of the complete fixture.

7 **Level Bar and "Top" Indicator.**

A small level bar is provided to aid in installation of the casting to the mounting surface, to ensure that the fixture housing in secured in a level position. This will allow the visual appearance of the outer guard to be level as well. A "Top" indicator is provided to aid installation personnel of the proper orientation of the casting. These features are provided only on round castings.

8 **Junction Box Pattern.**

Allows the installer to temporarily secure and rotate the fixture housing, to ensure a properly leveled & positioned installation of the fixture. This pattern is in all castings.

9 **Wire Strap Details.**

When installing HID fixtures, this feature allows the OEM to provide wire strap down ties for electrical wires passing along an axis of entry from a conduit line into the fixture housing. This feature can provide a "neater" installation with less loose wiring in the fixture housing, in cases where the conduit entry points are used.

10 **Ribbed Injection Molded Lens.**

0.125" minimal thickness, internally ribbed injection molded polycarbonate lens. Polycarbonate resin is treated with UV inhibitors. Exterior of lens is slightly textured to reduce glare effect of the lit fixture.



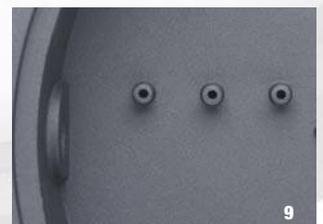
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apex architectural lighting components

suggested lamp compatibility

Shape	Round			Oval			
	Casting Depth	Shallow	CFL HW	Deep	Shallow	CFL HW	Deep
13 watt triple tube	•	•		•	•		
2/13 watt triple tube	•	•		•	•		
13 watt quad	•	•		•	•		
2/13 watt quad	•	•					
3/13 watt quad		•					
18 watt quad	•	•		•	•		
2/18 watt quad	•	•					
3/18 watt quad		•					
26 watt quad	•	•		•	•		
2/26 watt quad	•	•					
3/26 watt quad		•					
26 watt triple tube	•	•		•	•		
2/26 watt triple tube	•	•					
3/26 watt triple tube		•					
32 watt triple tube	•	•		•	•		
2/32 watt triple tube		•					
42 watt triple tube	•	•			•		
2/42 watt triple tube		•					
57 watt triple tube		•					
35 HPS							•
50 HPS							•
70 HPS							•
100 HPS							•
35 MH							•
50 MH							•
70 MH							•
100 MH							•

The above wattage suggestions must be tested and confirmed by each fixture original equipment manufacturer. RLR Industries, Inc. does not imply any guarantee of performance of said wattage packages listed above, or guarantee of acceptance by Underwriters Laboratories, CSA International, or any other testing laboratory. Obtaining such listings is solely the responsibility of the original equipment manufacturer.

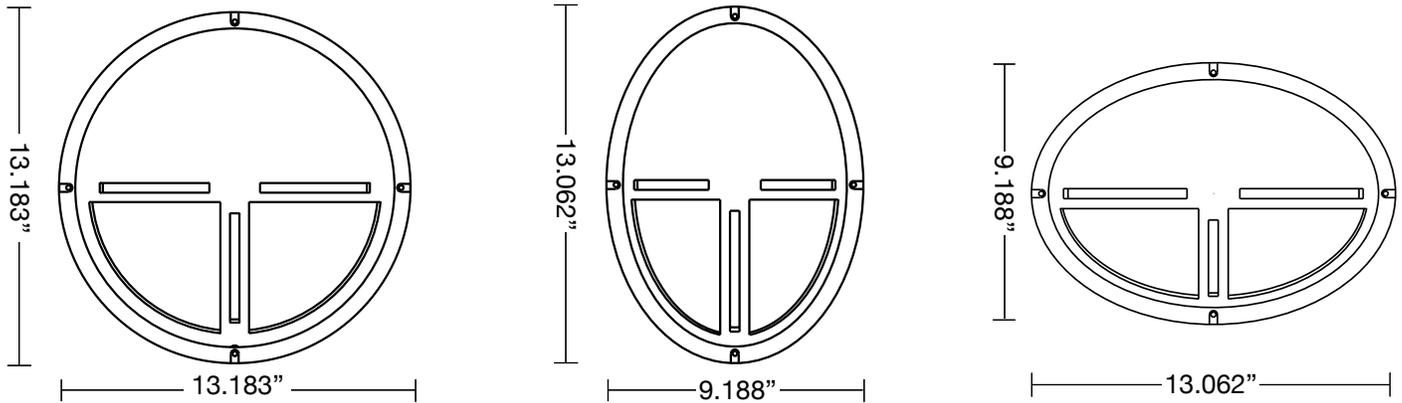
Dimensions and Specifications contained in this brochure are subject to change without notice.

Colors illustrated in this brochure are computer rendered representations. True color representation should be confirmed via a sample order.



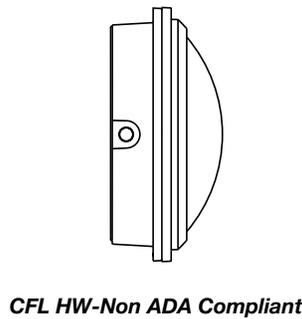
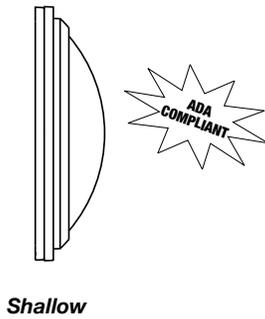
dimensions

DIMENSIONS

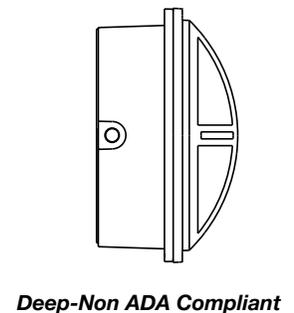
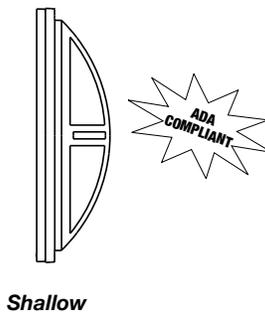


PROJECTIONS

Oval & Round Open Guards



Oval & Round Cross or Eyelid Guards



OVAL OPEN GUARD			OVAL CROSS OR EYELID GUARDS			ROUND OPEN GUARD			ROUND CROSS OR EYELID GUARDS		
Shallow	CFL HW	Deep	Shallow	CFL HW	Deep	Shallow	CFL HW	Deep	Shallow	CFL HW	Deep
3.75"	6.21"	7.56"	4.00"	6.46"	7.81"	3.625"	6.03"	7.52"	4.00"	6.40"	7.89"



RLR Industries, Inc.



A COMMITMENT TO MANUFACTURING

Since 1957, RLR Industries, Inc. has been manufacturing plastic lenses and diffusers for the lighting industry. In addition, the firm has performed custom forming and fabrication services for many other diverse industries.

Over the years, our capabilities have expanded from our core capabilities of thermoforming and fabricating plastic sheet products to injection molding, CNC fabrication and flat sheet extrusion.

Our modern 100,000 square foot facility in Mableton, Georgia contains state of the art plastics processing equipment. Our commitment to manufacturing demands that we constantly research and implement the latest cost effective technologies in our manufacturing operation.

RLR maintains an in house tooling staff to produce our vacuum and pressure forming tooling, as well as all associated fabrication jigs and fixtures. We also maintain our injection molds in house. We have the ability to source high quality injection molds through a time-tested network of tooling suppliers.

RLR maintains a stock tooling list, as well as performing custom product development and production for lighting OEMs. All proprietary OEM work is held on a confidential basis for our customers.

We maintain a stocking warehouse in Farmingdale, New York for the Northeast section of the country. RLR also has stocking warehouses in other strategic areas of the United States and maintains a just-in-time service on stock items for our customers from our Mableton, GA facility. In addition, RLR maintains just-in-time stock for custom products on a contract basis for our customers.

The Mableton, Georgia facility is conveniently located 20 minutes from Atlanta's Hartsfield International Airport and is within 5 minutes from major interstate routes. We welcome our customers to visit us at your convenience to discuss your custom plastic requirements.

Privately held, the Lewis family, now in their second generation of serving the lighting industry, would be more than happy to serve your thermoforming, injection molding, and fabrication needs.

INNOVATION. QUALITY. SERVICE. DEDICATION. FOR THE LIGHTING INDUSTRY.



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Product Designed By:

