613 RIO™ - DECORATIVE ELEMENTS
Recessed Decorative Wall Sconce
613 SERIES
Recessed Interior/Exterior Wall Luminaire
6" & 8" Rio™ - Decorative Elements

Shaper has partnered with Lumiere to offer a New Series of Recessed Wall Sconces. We are utilizing all of the great features and cost efficiency of the Rio™ modular design and have added a wide variety of unique decorative options for interior and exterior applications. What a winning combination! This new fixture design is comprised of four modular components that are made out of rugged die-cast aluminum construction, stainless steel hardware, high-temperature silicone gaskets, tempered glass lenses and double-finish protection. The back box is available to ship in advance for rough-in purposes. Individual components are factory assembled and interchangeable with other Shaper Decorative Elements of the same size. We are offering unique Decorative Elements to specify: recycled glass, fabric, colored acrylic and bamboo rings. Contact your local representative today for more information and samples.

- **Decorative Element Alignment System**
- **Power-Tray™ Optical/Electrical Module**
- **Lense/Bezel Assembly**

The clear, tempered glass lens is lightly diffused for low brightness and high performance.

The lense/bezel assembly is mechanically fastened to the back box, creating a tight, positive seal between the back box gasket and the lense. This IP68-rated seal is totally independent of the Decorative Element.

The patent pending alignment system provides rotation of the Decorative Element +/- 10° (20° total) to compensate for misaligned back box. This is made possible by use of a single, "blind" faceplate fastener and a unique IP68-rated fixture seal design that works independent of the Decorative Element. Vandal-resistant set-screw in Decorative Element standoffs and trim ring.
Design Features

IP68-RATED OUTDOOR PROTECTION

"IP" stands for "Ingress Protection" and is a rating system established by the European organization, International Electrotechnical Commission or IEC. With more than 50 member countries, the IEC publishes international standards for electrical products and related technologies. The two numbers that follow "IP" individually call out the fixture's protection ratings against solid objects (such as airborne particulates) and moisture, respectively. Rio™ Decorative Elements are IP68 rated, the IEC's highest rating for ingress protection.

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<tbody>
<tr>
<td>Ingress</td>
<td>Protection</td>
<td>Complete protection against entry of dust particles</td>
<td>Protection against continuous submersion in water</td>
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NOTE: Not for use in pools, ponds, fountains, or other underwater applications.

Heavy-duty die-cast housing, for interior and exterior applications, double protected by a chromate conversion undercoating and tough powdercoat finish. Integral high-temperature silicone gasket provides IP68-rated seal, independent of the Decorative Elements.

Integral UP arrow indicates proper mounting orientation. Two (2) level vials indicate proper alignment, both horizontally and vertically.

Four (4) 3/4" conduit entries provide easy thru wiring. The quick-disconnect plugs directly into the POWER-TRAY™ optical/electrical module, making installation and service fast and easy.

Removable pour cover (standard) keeps housing clean until final installation of POWER-TRAY™ module, lens/bezel and Element. Integral side rails accept and lock mounting bracket to back box.

Detail of alignment vials.

The pre-wired, factory-assembled POWER-TRAY™ module contains all optical and electrical components (patent pending). Four integral mounting posts guide it in and out of the back box.
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POWER-TRAY™
Optical/Electrical Modules

COMPACT FLUORESCENT (120V & 277V)
FEATURES: Energy conscious with excellent lumen maintenance. Available in a variety of color temperatures to suit commercial, retail and residential applications.
LAMP: 8"–One 13W (GX24q-1) triple CFL.

HALOGEN (12V)
FEATURES: Small, highly efficient white light source with excellent color rendition.
LAMP: 6" & 8"–One 20W (G4) T3 halogen.

LED (120V/12V)
FEATURES: Long life (average 50,000 hours), low operating temperatures and low maintenance.
LAMP: 6"–Three white LEDs totaling 4W
8"–Twelve white LEDs totaling 12W.

METAL HALIDE (120V & 277V)
FEATURES: Produces excellent color rendition up to 95 CRI, high-efficacy (lumens per watt) and superior color consistency. Rio™ – Decorative Elements include electronic ballast (integral) for improved fixture efficiency and performance. Compared to conventional magnetic ballasts, electronic ballasts offer 30 – 50% improvement in lumen maintenance and overall enhancement of efficacy and operating characteristics.
LAMP: 8"–One 20W (G8.5) T4 CDM metal halide.
Installation Features

CONCRETE POUR (CP)
The back box is suspended within a framework of rebar and wire to hold it in place while electrical supply lines are connected. Other means are provided to clamp the housing directly to the concrete form to help ensure a tight, flush seal. When installation is complete, the flange of the back box will be flush with the mounting surface. The back box protrudes into the finished wall 4-1/2".

MASONRY (MY)
As the brick wall is erected, the back box is stacked within the brick and mortar. Electrical supply lines must be run prior to the wall being erected unless the unit is accessible from behind. Brackets are supplied to secure unit internally to the brick. The final layers of mortar and brick are placed over the unit to complete the installation of the back box. When installation is complete, the flange of the back box will be flush with the mounting surface. The back box protrudes into the finished wall 4-1/2".

DRYWALL (DW)
Rio™ - Decorative Elements are ideal for interior wall-mounted installation in drywall or other combustible materials. Some lamp sources are suitable for direct insulation contact (IC), consult product specifications on page 8 of this brochure for details.

Note: Standard housing is for 2" X 6" joist construction. Mounting Adaptor Ring (ADR) option available for 2" X 4" joist construction. Refer to Options on page 8 for details.

UP ARROW & LEVELING VIALS
Installations that require rework due to misaligned housings can be costly to correct. Each Rio™ back box housing includes an integral UP arrow and two factory-installed level vials to ensure proper orientation and alignment of the back box. The first level vial facilitates proper horizontal alignment, while the second facilitates proper vertical alignment, ensuring that the outer flange of the housing is parallel with the outer surface of the finished wall.

DECORATIVE ELEMENT ALIGNMENT SYSTEM
In addition to the UP arrow and leveling vials which ensure proper orientation and alignment of the back box, Rio™ - Decorative Elements provide an additional level of protection against misalignment. The patent pending alignment system provides rotation of the elements +/- 10’ (20’ total). This is made possible, in part, by an IP68-rated fixture-seal design that is independent of the Element. After the Element is properly aligned, a single “blind” fastener locks it in place.

POWER-TRAY™ Optical/Electrical Module
Rio™ - Decorative Elements include the patent pending POWER-TRAY™ optical/electrical module. The POWER-TRAY™ module includes all optical and electrical components on a pre-wired, factory-assembled tray complete with quick disconnect module, which plugs directly into the back box. After shutting off power to the fixture, simply pull out the POWER-TRAY™ module to relamp or to access the ballast, transformer or LED driver.
At Shaper, we are committed to minimize our environmental impact through our business practices and the products we offer. We make it a priority to offer sustainable and/or recycled luminaire components whenever possible to support LEED projects. Our new line Rio™ - Decorative Elements is one example of this goal.

**Lumiclear™ Resin™** is translucent like glass but half the weight and ten times the strength. This product has forming capability and can be refinished to its original surface.

**Recycled Glass (BTRG, CRG, RRG & ARG)** contains 98% - 100% post-industrial recycled material.

**The Resin** is 100% recyclable and has an established network of preapproved recyclers. Contact the factory for details.

**Specify our natural aluminum finish (NA)** which uses up to 80% recycled aluminum with no secondary surface finishes (no VOCs) and is easy to recycle at the end of the product’s life.

**The Resin manufacturing process** uses water that has been recycled in a closed-loop system, saving over 21 million gallons of fresh water each year.

**All elements with botanicals (BAR & PLF)** are made from sustainable, cultivated crops. The Resin manufacturing processes do not produce hazardous waste or Volatile Organic Compounds (VOCs).
Private Residence
Highland Park, IL
Photography: Paul Dyer
Fixtures: 613-8-RD-RRG

shaperlighting.com
613 SERIES
Recessed Interior/Exterior Wall Luminaire

6" & 8" Rio™ – Decorative Elements

SPECIFICATIONS

Description

Material
Die-cast Lumiere Rio™ 5" & 7" recessed housings made out of corrosion-resistant Type 383 aluminum alloy, painted white. All housings are I.C. rated except the 613-6"-HAL/1/20 luminaire.

Options
Round or Square Decorative Elements: Frosted Acrylic (FA), Clear and Colored Recycled Glass/Resin (ARG, CRG, BTRG & RRG)—Made out of 98-100% recycled post-industrial or post-consumer content, custom-formed glass aggregate encased in resin. Note: Due to lot variations in the glass aggregate and the nature of the manufacturing process, clear spaces can occur randomly up to 1" in size. These materials are also subject to inconsistency in color, size and shape. Sage & Terracotta Concentric Resin (SGC & TAC)—Textile with a slight skewing of pattern. Bamboo Rings Resin (BAR)—Sustainable natural bamboo. Paper Leaf Resin (PLF)—Natural botanical mixture of leaves and paper. White Weave Resin (WWV)—Exclusive horizontal pattern textile designed by Jhane Barnes. Note: Natural materials and textiles are subject to inconsistency in color, texture and shape and may change in appearance over time. White, Mocha and English Toffee Swirl (WSL, MSL & ETS)—Multi-colored acrylic. Two solid aluminum Element finials with mounting ring. Vandal-resistant finials and ring. Contact factory for custom Decorative Elements.

Finish
Interior
Standard: Natural Aluminum (NA).
Premium: Matte White (MW), Lacquered Satin Aluminum (SAL), Satin Brass (SB), Polished Brass (PB), Oxidized Brass (OBRS), Satin Chrome (SC), Polished Chrome (PC), Lacquered Satin Chrome (SLC), Satin Copper (SCP), Polished Copper (PCP), Oxidized Copper (OCP), Satin Nickel (SN), Polished Nickel (PN), Lacquered Satin Nickel (SNL), Gun Metal (GMN) or Custom Color (CC).

Exterior
Standard: White (WH).
Premium: Clear Anodized Aluminum (CAL), Black (BK), Grey (GY), Dark Platinum (DP), Graphite Metallic (GRM), Silver Metallic (SM), Gold Metallic (GM), Bronze Metallic (BM) or Custom Color (CC).

Decorative Elements Continued
Exterior
Frosted Acrylic (FA), White Swirl (WSL), Mocha Swirl (MSL) or English Toffee Swirl (ETS). Refer to materials for details. Contact the factory to specify custom Decorative Elements.

Options
Power-Tray™ optical/electrical module. Refer to shaperlighting.com for complete photometrics.

Ballast
Integral electronic CFL HPF, 120V or 277V, thermally protected with end-of-life circuitry to accommodate the specified lamp wattage. Metal halide ballast is electronic HPF, 120V or 277V for the specified lamp wattage. 120V/12V Electronic LED driver or halogen transformer.

Lamp/Socket
6": One (1) 20W T3 (G4) clear halogen lamp or three (3) white LED's (4W total).
8": One (1) 20W T3 (G4) clear halogen lamp, twelve (12) white LED's (12W total), one (1) 13W GX24q-1 4-pin triple tube CFL lamp or one (1) 20W T4 (G8.5) single ended metal halide lamp. CFL socket injection molded plastic, metal halide socket is ceramic pulse rated, 4KV and INC socket fired ceramic rated for 660W-250V. CFL, halogen and metal halide lamps furnished by others, but can be ordered from Shaper. LEDs supplied with fixture.

Installation
Recessed housing includes four (4) 3/4” conduit entry ports; concrete pour cover, UP arrow and two (2) level vials for proper alignment. Decorative Element system which provides rotation of the Element +/- 10° (20° total) for proper alignment. Power-Tray™ module plugs directly into the back box providing fast, easy installation. Concrete (CP), Drywall-interior only (DW) or Masonry (MY) installation options.

Decorative Elements
Vandal-resistant set-screw in Decorative Element standoffs and trim ring. Shaper 613 Series are designed for interior applications only. Recessed housing is available to ship in advance of complete fixture for rough-in purposes, contact factory.

Options
Adaptor Ring – 2" X 4" interior joist construction (ADR). Dam Location (DL): Interior only, all painted finishes, Lacquered Satin Chrome (SLC) and Lacquered Satin Nickel (SNI) finishes only. Shaper’s 613 Series DL option is for interior applications (only that have more than average moisture (i.e. bathroom, laundry room, etc.). The 613 DL option is not UL Listed for pool, sauna, shower, whirlpool and any exterior applications (i.e. covered garage or building entrance) with exposure to any weather elements such as rain and wind. Recessed housing can be ordered in advance – contact factory. Contact factory to specify custom Decorative Elements and for additional mounting finials to provide added vandal resistance.

Labels

Modifications
Shaper’s skilled craftspeople with their depth of experience offer the designer the flexibility to modify standard wall luminaires for project-specific solutions. Contact the factory regarding unique finishes, additional materials/colors or decorative detailing.

ORDERING EXAMPLE 613-6-DW-RD-LED/1/4-120V/12V-SC-CRG-ADR

<table>
<thead>
<tr>
<th>Series</th>
<th>Element Diameter</th>
<th>Element Wall Type</th>
<th>Element Shape</th>
<th>Element Lamp Wattage</th>
<th>Power-Tray™</th>
<th>Voltage</th>
<th>Finish</th>
<th>Decorative Elements</th>
<th>Option</th>
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<tbody>
<tr>
<td>613</td>
<td>6&quot;</td>
<td>CP</td>
<td>RD</td>
<td>HAL/1/20 (8&quot;)</td>
<td>120V</td>
<td>120V</td>
<td>Interior NA, SAL, MW, SB, PB, OBRS, SCP, PC, OCP, SC, PC, SCL, SN, PN, SNL, GNM or CC</td>
<td>ADR, DL</td>
<td></td>
</tr>
<tr>
<td>613 - WP</td>
<td>8&quot;</td>
<td>DW</td>
<td>SQ</td>
<td>LED/1/4 (6&quot;)</td>
<td>LED/1/12 (8&quot;)</td>
<td>277V</td>
<td>Exterior WH, CAL, BK, GF, DP, GRM, SM, GM, BM or CC</td>
<td>ADR, DL</td>
<td></td>
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shaperlighting.com
Circle Hotel
Portland, OR
Photography: Kutlayey Dmitry
Fixtures: 613-6-RD-TAC
Decorative Elements Finish Guide

Blue Topaz Recycled Glass (BTRG)  
Ruby Red Recycled Glass (RRG)  
Aquamarine Recycled Glass (ARG)  
Crystal Recycled Glass (CRG)  
White Weave (WWV)  
Sage Concentric (SGC)  
Terracotta Concentric (TAC)  
Bamboo Rings (BAR)  
Paper Leaf (PLF)  
Frosted Acrylic (FA)  
White Swirl (WSL)  
English Toffee Swirl (ETS)  
Mocha Swirl (MSL)

Note: Natural materials and textiles are subject to inconsistency on color/pattern, texture and shape, and may change in appearance over time. Visit shaperlighting.com for Metal Finish Guide.

Cover Photo:  
Corporate Conference Room  
New York, New York  
Photography: Victor Leonidovich  
Fixtures: 613-8-SQ-WWV  
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