PROJECTS COMPLETED
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FEATURES
Industrial Range of Fittings
IFLA World Congress
Haute Lumiére Light Award 2012
Regent’s New Showroom

http://www.regentlight.co.za
PROJECTS COMPLETED

[Images of completed projects with descriptions]

Tower Mini Urban Light Elements above the entrance
Linear Recessed
Special Sphere Pendant

Building with LED extrusions and Cornet Post Top on Stepped Modern Pole
EXPONENTIAL BUILDING GABORONE

Regent Lighting Solutions was approached by MDS Architecture to produce a light fitting which would replicate their renderings of the façade of the building. This required making a custom 150 mm square, U shaped aluminum extrusion. The extrusion has an opal acrylic diffuser on the front face. The extrusions were up to 9m and were positioned between the window mullions.

The light source is 800 lumens per meter @ 11W per meter IP65 cool white, dimmable led tape light.

The Lighting system is controlled from a central controller via DMX, from which all the power supplies are controlled. The power supplies then control the LED lights via PWM. The LED's dim up and down on a preset sequence. This sequence of dimming can be changed at the central controller.

One of the main challenges was access to the LED’s. This was achieved by creating access doors at the back of the fittings at the height of the windows. The difficulty was that these units spanned several floors. We therefore had to mount the led on flexible aluminium strips that could be slipped up or down into the light fitting extrusion. These strips are held in place by a special custom made ‘spring’ system.

The underside of the roof was lit by cool white led tape mounted in Tridonic extrusion and lens system. In addition to the LED lights on the building we supplied Comet fittings on 4m poles with 150W Metal Halide lamps to give general lighting to the car park. Accent lighting in the car park was created by using Pathway led lights.

Sections of the facades of the building were also highlighted using Shuttle and Gamma spot lights.

Tower Mini Urban Light Elements were used to enhance the entrances. Various lengths of recessed Linear luminaires were supplied with 54W T5 fluorescents.

The volume of the reception lobby was filled with different size spheres hung at different heights and led tape light was used to highlight the coves.
NEWCASTLE MALL

This exciting project was a combined effort between Vivid Architects, Solution Station Consulting Engineers, Bellco Electrical and Regent Lighting.

The humble beginnings of the design consisted of lighting calculations and concept drawings. With these in mind we were quickly able to offer the best solution for the client’s specific requirements. In order to ensure that the fittings met the standards required, samples were made of all the special fittings.

One of the most exciting parts of the project in terms of the lighting were the special 600mm LED profile fittings specified by our client to illuminate the shop facades. With Regent Lighting Solutions’ capabilities and expertise, we were able to design and manufacturing such a complete and specialised product. The design instruction called for simplicity and clean lines and the absence of bulky fittings. With a predetermined fitting length, Regent was able to produce a solution which resulted in a combination of both light output and proportion. The biggest challenge we faced was the mounting of the fitting into a horizontally confined space, leaving no room on top or at the bottom of the fitting. Regent therefore had to design a special mounting bracket allowing the fitting to be easily installed and removed for maintenance without the ability to remove the diffuser.

Regent Lighting is proud to have been part of the Lighting Solution for New Castle Mall.
Projects Completed

Beam ceiling mounted 250mm long 70W MH and Special wall mounted 8W LED fitting.

Discovery Indirect Post Top 70W MH on a 76mm diameter pole.

Rhode Post Tops 150W MH on Bravo Quad Bracket on a 9m pole.

Special 700mm Beam double 2 x 70W MH.
BLUE ROUTE MALL

Architect: Louis Karol
Electrical Engineers & Lighting Designers: QDP Lighting & Electrical Design

This shopping Centre is an icon in the Southern Suburbs of Cape Town and from the outset we knew that we had to offer the best design and quality available.

On the exterior of the mall our Rhoda street light fitting on curved poles were used. The design incorporates a variety of mounting heights with some long and short combinations. The higher fitting also utilizes a higher wattage lamp than the lower poles making this a smooth, intricate and carefully designed feature.

During the first phase of the building of the parking structure, the design was revised and Regent Lighting was able to offer a major modification resulting in the changing of the already manufactured buried poles into plinth mounted poles to accommodate the new underground parking.

The interior “Lily” like balustrade fitting was manufactured by Regent Lighting according to the client’s detailed specifications. All elements were machined out of stainless steel to match the existing balustrade. The LED’s at the end of each little shaft had to be sourced especially, as they needed to create the desired sparkle effect.

"Lily" like balustrade fitting

Rhoda Post tops on a 6m and 4.2m double curved pole

Rhoda Post tops on a 4.2m double curved pole

Rhoda Post tops on a 6m double curved pole
NICOLWAY BRYANSTON

Architect: MDS Architecture
Consulting Engineers: Rawlins Wales and Partners

The brief was to supply LED post top lights for the roof top car park and access roads. The Rhoda light fitting on stepped modern plinth mounted poles was chosen. These lights were chosen as they suited the architecture. The Philips Fortima LED was used. This LED is housed in a reflector rather than 'pin point' direct light source used in most LED installations. The light emitted is softer, more comfortable and almost glare free. Colour 3000K, warm white, LED's were chosen.

The trees were lit with Sputnik Mini's with 7.2W LED medium beam LED's. The facades of the building were lit by 35W Metal Halide Cubica's and Serengeti with 2 x 18W PL lamps.
CONSTANTIA PARK LIGHTING UPGRADE

The Constantia Office Park is one of the largest properties in the Growthpoint portfolio. The property had outdated sphere luminaires on steel poles which had rusted. The upward light component of the sphere resulted in light pollution and inefficient light distribution. The Mercury Blended lamps used have also been banned in Europe as they no longer recommend these lamps in any installation due to their environmental impact.

An energy audit was carried out and Regent suggested that the luminaires be replaced with the Challenger Post Top fittings with 70W Metal Halide lamps mounted on 3.5m mounting height Stepped Modern poles.

The completed project resulted in the following:

- Number of luminaires reduced from over 700 units to under 450 Challengers
- Reduction of energy consumption by 65%
- Superior lighting levels
- Adhering to Green environmental needs by eliminating any light pollution as the Challenger has a total cutoff below the horizontal
- Aesthetically superior luminaire giving the whole office park a “facelift”
- Happier and safer tenants

Challenger Post Top fittings with 70W Metal Halide lamps and ECG mounted on a 3.5m Stepped Modern poles.
MIDDDELBURG MALL

Architect: MDS Architecture
Consulting Engineers: Taemane Consulting

The new Middelburg Mall opened in April 2012, on time and on budget and with a breath of fresh air in terms of shopping mall design.

MDS Architecture asked Regent Lighting Solutions to supply lighting which would compliment the 'old mining town' feel of the Shopping Centre. We supplied hanging paraffin lanterns - retrofitted with 7W energy saver lamps for the restaurant facades.

Selbourne post top lights on decorative poles were used to light the interior as well as the exterior of the Mall and to support the sign boards. Sun Quad 250W Metal Halide luminaire on galvanised steel poles were used for car park lighting and the Rhoda 150W Metal Halide luminaire on curved poles lit the entrance road into the Mall.

The demising column steel U beams were lit with 3.6W led spot lights housed in special 'rusted' mounting boxes.

Traditional style Helios bollards with 13W PL lamps were used to light up the exterior walkways. The entrance columns and external rafters at the entrance were lit with led tape light.

Helios bollard PL 13W.

Hurricane Lanterns complete with ES lampholder on a 300mm wall bracket.

Selbourne post top E27 on a Standard Heavy Post 3m mounting height complete with slide on sign arms.

Rhoda 150W MH on a curved galvanised steel pole 7m mounting height.

Special frame for LED recessed strip.

Demising column box light with a Britix 3W Maxi inground LED.

Sun Quad 250W MH on a galvanised steel pole 127/300mm diameter 8m mounting height.
INTERIOR INSTALLATIONS

Regent's has an ever increasing range of internal lighting solutions from pendants to continuous linear light sources. We are currently expanding our range of continuous light sources to create a family of various sizes that will be available in January 2013.

Sandon City - 1350mm suspended fittings with 2 Metal Halide downlighters with 1 x 26W uplighters and 2550mm suspended fittings with 3 Metal Halide downlighters with 2 x 25W uplighters.

Sandon City - Special 900mm diameter light with 3 x 35W Metal Halide downlighter surrounded by PL 14W sphere pendants.

Waterfall Estate Clubhouse - Special Ilovo Pendants 2500mm 4 x 54W lamps

29 Degrees South Dube Tradeport - Special Pendant with 4 x 35W Metal Halide Shuttles as downlighters and blue fluorescent lamps for uplight.

Rendered image for proposed solution using a Linear Mini

Exponential Building Gaborone - Linear Recessed fittings
LINEAR RANGE

With the increased market demand for continuous light sources, Regent is developing a diverse range of new interior fittings. The range has been designed for flexibility and multi purpose applications.

The range consisting of the Linear, Linear Mini and Linear Micro which will be available in surface mounted, recessed, suspended, continuous light sources and 90 degree bends, these variations give the interior designer a wide range of suitable design applications.

The Linear and Linear Mini will be available in both T5 fluorescent and LED and the Linear Micro will only be available in LED.

All diffusers have been sourced from Europe to achieve high performance that is aesthetically pleasing.
SLIVER URBAN LIGHT ELEMENT AND BOLLARD

The Sliver family of light fittings has been developed to enhance the changes in architectural design trends. The range complements contemporary design elements. The fitting is ideal for LED applications, but seamless fluorescents can also be utilised.

The range is ideal for interior or exterior environments, pedestrian bollards can also be manufactured without the light element.

HOUSING: Extruded marine grade aluminium.
DIFFUSER: UV stabilised acrylic.
FINISH: Powder coated.
MOUNTING: Plinth mounted.
ACCESSORIES: Remote connector box and bolt cage.
FEATURES: Electronic control gear.
Neoprene gasket.
Stainless steel fasteners.

**URBAN LIGHT ELEMENT**

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<th>LAMP</th>
<th>BASE</th>
<th>WATTAGE</th>
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<tr>
<td>G5</td>
<td>2 x 24W and 4 x 39W</td>
<td>Fluorescent</td>
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<tr>
<td>LED</td>
<td>28W per side</td>
<td>Cool white (4000K) @ 12V DC - 2000 lm</td>
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<tr>
<td></td>
<td></td>
<td>Warm white (3000K) @ 12V DC - 2000 lm</td>
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**BOLLARD**

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<tr>
<td>G5</td>
<td>2 x 39W</td>
<td>Fluorescent</td>
<td></td>
</tr>
<tr>
<td>LED</td>
<td>10W per side</td>
<td>Cool white (4000K) - 720 lm</td>
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<tr>
<td></td>
<td></td>
<td>Warm White (3000K) - 720 lm</td>
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GIZA RANGE OF BULKHEADS

The Giza fits in with Regent’s tradition of developing a range of luminaires for multiple applications.

The Giza Eyelid is ideal for Green Buildings as it doesn’t emit light above the horizontal. The standard Giza is perfect for forward and wall wash applications and the Plateau for walkways or ceiling mounting. The range is supplied standard with heli coils for the fixing screws to eliminate any electrolytic reaction between unlike metals. This allows Regent to offer our 10 year construction guarantee.

HOUSING: LM 6 die cast aluminium.
DIFFUSER: UV stabilised opal high impact acrylic.
FINISH: Powder coated.
MOUNTING: Wall mounted or ceiling mounted.
FEATURES: Integrated magnetic or electronic control gear.
Silicone sponge gasket.
Stainless steel fasteners.

<table>
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<tr>
<th>LAMP</th>
<th>BASE</th>
<th>WATTAGE</th>
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<tbody>
<tr>
<td>G24</td>
<td>1 or 2 x 13W, 1 or 2 x 18W or 1 x 26W</td>
<td>CFL</td>
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</table>
| LED  | 7.2W | Cool white (4000K) @ 350mA - 600 lm  
Warm White (3000K) @ 350mA - 600 lm |

EMERGENCY GEAR

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<th>LAMP</th>
<th>BASE</th>
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<td>1 x 18W</td>
<td>CFL</td>
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ELECTRONIC CONTROL GEAR

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<th>BASE</th>
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<tr>
<td>G24</td>
<td>1 or 2 x 9W, 1 or 2 x 13W or 1 or 2 x 18W</td>
<td>CFL</td>
</tr>
</tbody>
</table>

* Please Note: The Giza Eyelid only takes a 1 x lamp option

Giza

* Giza Eyelid

Giza Plateau

Giza Front View

Giza Eyelid Front View

Giza Plateau Front View

LED

Giza Side View

Giza Eyelid Side View

Giza Plateau Side View
INDUSTRIAL RANGE

A sample of our expanding range of Industrial lights.

REGENT AT THE IFLA WORLD CONGRESS

The 49th IFLA World Congress came to Cape Town, a place to join landscape architects from across the globe to explore "Landsapes in Transition".

Regent Lighting Solutions were exhibitors to support the growing importance of Landscape Architecture in South Africa.
HAUTE LUMIÈRE LIGHT AWARD 2012

Regent Lighting Solutions are proud co-sponsors of the Haute Lumière design competition which has been held over the past couple of years.

The annual Haute Lumière Light Award celebrates and promotes excellence in the understanding and application of artificial light. Its purpose is to rethink artificial light as a crucial, primary aspect of design and to create unusual visibility. Designs should be experimental and incorporate thinking about the unknown, push the edge, seek essence and work with perception and deception.

The Haute Lumière Light Award stimulates greater interest in the study and application of light as a critical design tool for architects and designers. In order to stress the value of practical experience and promote lighting as the inventive medium that it is, the winner of this competition attends the five day lighting workshop and conference Lights in Alingsås held in September each year in the town of Alingsås, Sweden.

The jurors select best designs from the submissions and their authors are invited to take part in the second stage of the award, the construction of a 1:1 prototype. At an intense, one-day workshop on the qualities of light, held at the studio of Paul Pamboukian Lighting Design, each design is analysed and discussed in detail. The designers then set out to rethink, evolve, modify and even replace their original ideas within the context of their own, expanded appreciation of light.

This year’s brief stated: Use timber only to create a self-supporting light fitting of any description. Manipulate light using any source and colour. In designing the object think primarily of how light interacts with it, and its surroundings. The design should be highly innovative, imaginative and original.

Sponsors:  
ELDC  
Paul Pamboukian Lighting Design  
Regent Design  
Regent Lighting  
VISI magazine

Joint Exposure  
Mandi Botha (Winner)

Hartkop Africanus  
Esther Kruger

Buddha Luminaire  
Peter Crotty

LOC  
Tienie van Rooyen

Braille Light  
Sureen Gouws

See Saw Lamp  
Thomas Gouws

Photographs by: Doot
FEATuRES

REGENT LIGHTING SOLUTIONS SHOWROOM

Regent has invested extensively in a new showroom over the first six months of 2012 to create a clean refreshing showroom experience. New dynamic LED products are on display, with product areas to see and experience the internal components (reflector technology, LED engine drivers, heat sinks, control gear and PC boards).

We have created an interactive environment to display and view our products, the showroom is open during working hours and we recommend a visit.

http://www.regentlight.co.za