

# mondo<sup>arc</sup>

THE INTERNATIONAL JOURNAL OF LIGHT DESIGNERS WITH LIGHT #80 2014

## THE RIPPLE EFFECT

YANN KERSALÉ'S  
SEA MIRROR  
WOWS IN SYDNEY

VENICE ARCHITECTURE BIENNALE • CHARLES STONE INTERVIEWED  
MAY DESIGN SERIES & LIGHTFAIR INTERNATIONAL ROUND-UPS



LED SERIES

# REACHING FOR THE TOP

RGBW, White or Dynamic White POWER

Featuring an incomparably functional, ultra-narrow, sharp beam of light capable of reaching previously unthinkable distances with LEDs, the newly engineered ONYX is specific for architectural challenges demanding for unprecedented though sustainable lighting performance. With a combination of 96 RGBW, cold, warm or dynamic white high brightness LEDs and just 310W, ONYX reaches higher beyond your expectations.

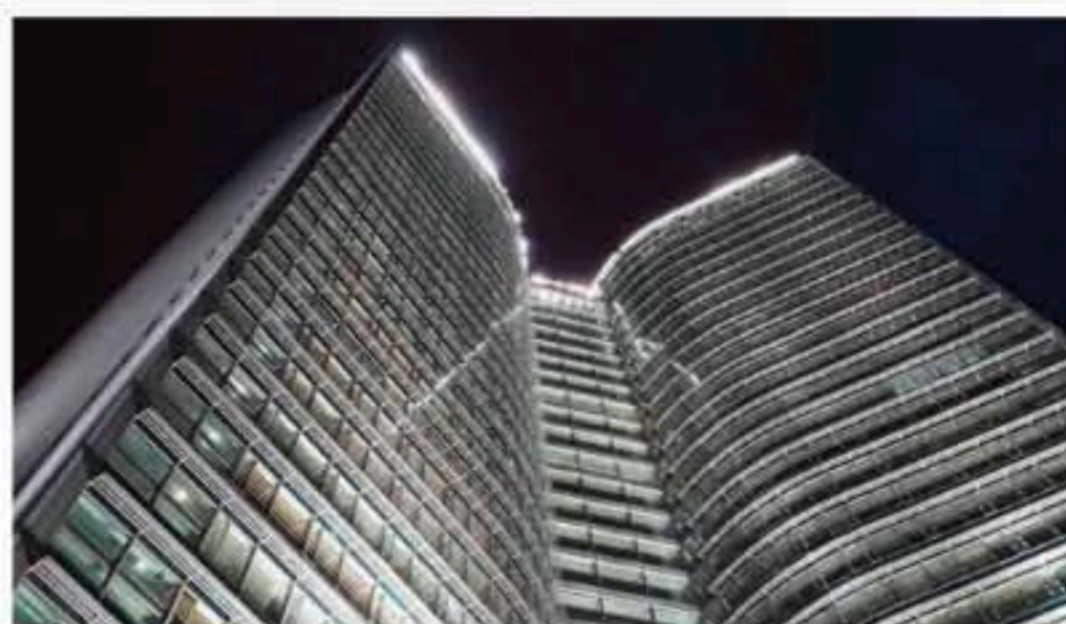
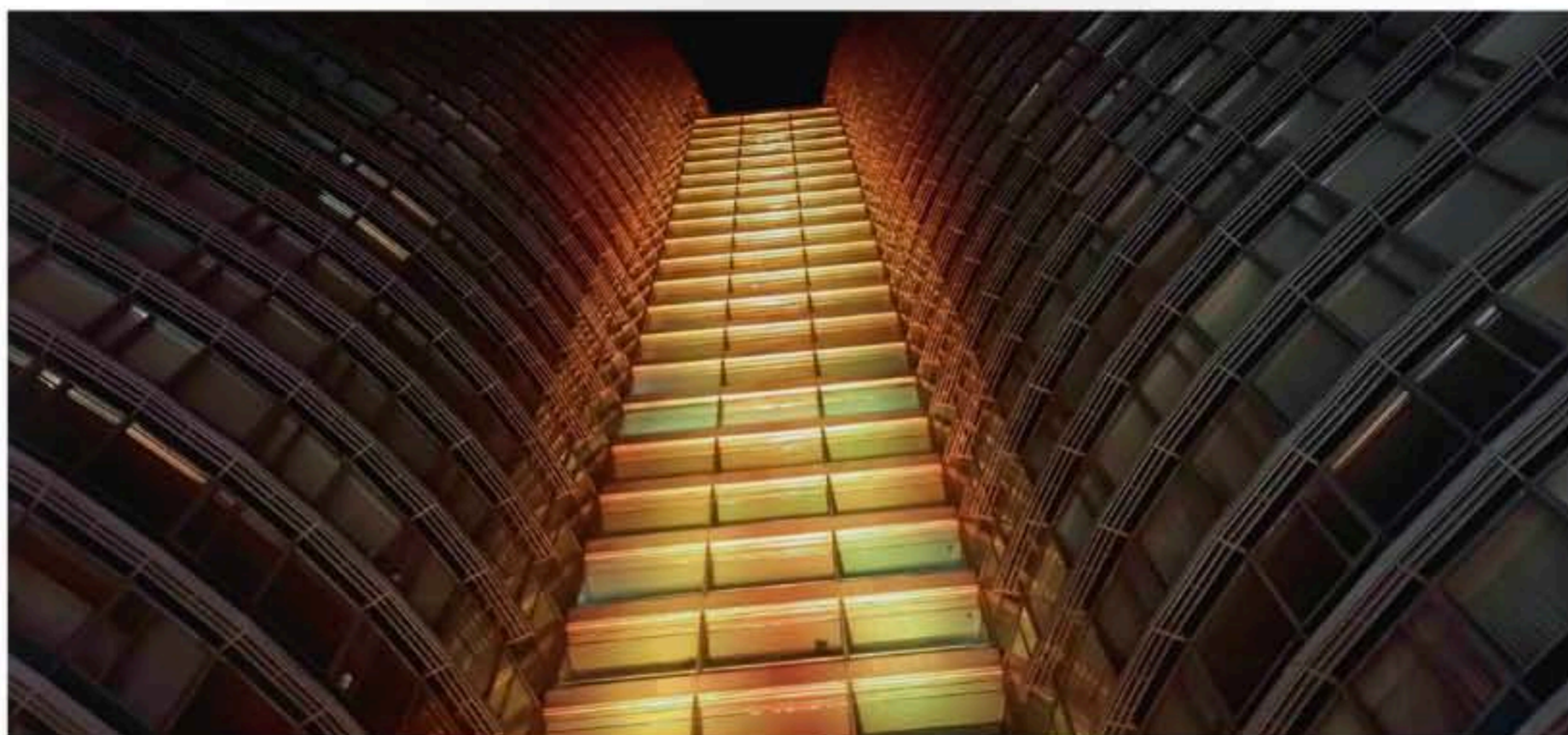
[www.griven.com](http://www.griven.com)



 **GRIVEN**  
world lighting challenge

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artimage



# HIGH OFFICE HIGHLIGHT

*An icon of Soviet modernism, the Moscow Government complex on Novy Arbat, one of Moscow's most fashionable avenues, was given a new lease of life by Griven.*

As an integral part of the recent renovations of Moscow's city centre, Novy Arbat Street, one of the most popular and fashionable avenues in the Russian capital, has gained a new lease of life after Griven LED lighting fixtures were installed to light up a government building on the avenue.

The Moscow Government complex on Novy Arbat Street, is one of the most important buildings in downtown Moscow. Erected in the years from 1963 to 1970, the CMEA is considered a masterpiece of Soviet modernism. Hosting conference rooms, a hotel and administrative offices, the complex is shaped like a standing open book, symbolizing an edifying open-mindedness towards culture.

Entrusted to the Russian group Svetoservis, the lighting concept of this building had to match the existing illumination scheme of Novy Arbat street through the use of a dynamic, multi-coloured accent and flood

lighting. The height of the building meant powerful LED spotlights with narrow optics were also required, but applied in a way that would not prove disrupted to the building's occupants.

As a solution, only the central block and the outside borders of the three wings were given a dedicated lighting approach. Though Griven luminaires had already been identified as an optimal solution for the side wings, it was decided that something special was required for the central section. In response, Griven's R&D team produced a tailored ultra narrow beam wall washer, perfectly matching the several guidelines strictly requested by the project specifications.

14 units of a new powerful LED floodlight, Powershine D Ultra Spot RGBW, featuring an ultra-narrow, sharp, long-shot beam of light were installed at the base of the central block. The Powershine D Ultra Spot RGBW

was also used, utilising its double cluster configuration LED projector, with full independent digital control of each LED bank, which is fitted with a total of 72 RGBW high brightness LEDs that provide a good white light output quality, as well as a wider variety of intermediate colour hues.

44 units of Powershine MK2 D RGBW with spot optics were also positioned at the base of the sides of the three wings aiming at different levels in order to achieve a perfect colour and light distribution up to the roof. The lighting scheme works in two different modes: during the weekday fixed colours are chosen and during festivals and weekends a dynamic colour sequence enlivens the building perfectly matching the multicoloured dynamism of this bustling avenue.

[www.griven.com](http://www.griven.com)

[www.svetoservis.ru](http://www.svetoservis.ru)

## AOne Lamps

### Aurora

Designed and engineered to perform at 25,000 hours to L70 in enclosed fixtures, Aurora's L1, ErP compliant AOne Lamps come in 400 - 1700lm. icDOB features an electrolytic capacitor-free IC. Mains voltage single source HVLED eliminates overshadowing and enables smooth, controlled dimming and a performance of 71lm/W. CrystalCool thermal management removes heat from the LED chip for maximum reliability and lifetime. LEDChroic offers anti-glare, precise diamond-like microfacets with precise beam angles and CRI 80+ 3 year warranty.

[www.auroralighting.com](http://www.auroralighting.com)



## Washer Allegro AC XB

### Traxon

Designed for outdoor environments, Washer Allegro AC XB is the perfect LED lighting solution for architectural illumination. Offering multiple color options, flexible aiming and various beam spreads, Washer Allegro AC XB is capable of a wide range of flood, direct and indirect illumination. Powered by AC line voltage and controlled via DMX512, Washer Allegro is a high output, energy efficient, and compact LED lighting solution with easy installation. Captivating illumination goes hand in hand with true simplicity.

[www.traxontechnologies.com](http://www.traxontechnologies.com)

## Slim Cove INT

### EcoSense

The new Slim Cove INT is our smallest line-voltage linear fixture delivering a powerful performance. At 240 lm/LF and an efficacy of 60 lm/w, this ultra slim linear is our most efficient luminaire, measuring in at .9" (23mm) Diameter. The Slim Cove INT links together tightly, eliminating dark socket shadows between fixtures for a seamless design. This is a non-dimming, easy-to-install solution that is ideal for indoor uses, such as small coves, toe kicks, under cabinet, display, and accent lighting.

[www.ecosenselighting.com](http://www.ecosenselighting.com)



## Lightweave Linear

### Hubbell

With no visible frame or border, the Lightweave Linear uses a precision-formed light diffuser to weave light across the visual plane, placing 80% down and 20% up for wide on-center spacing. The uniquely slender profile (smaller in both width and height to the dimensions of a typical smartphone) is designed to provide an unobtrusive and elegant solution for commercial, educational and civic applications. Utilizing a breakthrough application of flexible LED circuit technology with over 200 low brightness LEDs per foot, the luminaire produces 4300 nominal initial lumens with greater than 90% lumen maintenance at 80,000 hours (L90).

[www.hubbellighting.com](http://www.hubbellighting.com)



## ONYX

### Griven

ONYX features an incomparably functional, ultra-narrow, sharp, long-shot beam of light capable of reaching previously unthinkable distances with amazing precision and even light distribution. ONYX is fitted with a combination of 96 RGBW, cold, warm or dynamic white high brightness LEDs that provide an unprecedented astonishing white light output quality, a bright colour perception and a stunning visual rendering of warm tones, natural hues and cool shades altogether.

[www.griven.com](http://www.griven.com)

## Lumencove Nano

### Lumenpulse

The Lumencove Nano debuts Lumendrive™, a proprietary and patent-pending ASIC (application-specific integrated circuit) technology, which drives LEDs directly, eliminating the dependence on power supplies. Lumendrive digitally powers and controls LEDs directly from the AC mains. By dispensing with a power supply, the technology provides multiple benefits, including smaller size, a lifetime no longer restricted by third-party components, and outstanding efficiency. Available in 3- and 6-watt versions, the Lumencove Nano delivers up to 100 lm/W and up to 559 lumens per foot.

[www.lumenpulse.com](http://www.lumenpulse.com)

