Introduction

Welcome to the Radiant Architectural Lighting products catalogue.

The Radiant range has been developed in close collaboration with lighting designers and architects. Our aim is to provide innovative lighting solutions for their projects around the world.

With many years of luminaire development experience, we incorporate the most appropriate new lighting technologies and manufacturing processes to produce durable and efficient lighting systems.

Radiant systems are designed for flexibility, adjustability and performance to provide discreet lighting that fits any building shape or size.

All Radiant products can be configured and adapted to suit particular architectural solutions but always with one aim in mind: to enhance architecture subtly and beautifully, giving the designers with whom we work the tools they need to create perfectly illuminated interior and exterior spaces.
3D LED Flex system 100

Modular, 3D flexible LED linear lighting system

The Radiant 3D LED Flex system has been developed for use in indirect architectural lighting projects including cove lighting and wall wash lighting applications where the building surfaces are non-linear with curved profiles and facades.

The Radiant 3D LED Flex system incorporates a patent pending articulated joint system joining the LED heat sinks that allows the system to follow curved building surfaces while maintaining a 25 mm spacing between LEDs, thus ensuring continuous lit effects without shadows or dark areas.

Each LED heat sink module can operate up to 9 Watts of LEDs giving a light output of up to 5,000 lumens per mtr.

Integrated DC to DC constant current drivers allow long runs from a single power supply.

Baku Cultural Centre auditorium lighting
Architect Zaha Hadid Associates
Lighting design MBLD

2011 Heydar Aliyev Cultural Centre, Baku
2012 Burberry store, Regent’s Street, London
3D LED Flex system 100

Modular, 3D flexible LED linear lighting system

The system can bend and twist in three dimensions to follow any building contours.
3D LED Flex system 100

Modular, 3D flexible LED linear lighting system
3D LED Flex system 40

Modular, 3D flexible LED linear lighting system

The Radiant 3D LED Flex 40 system incorporates all the design features of the 100 system but in a smaller width.

The system can be run at up to 50 Watts per mtr and provides up to 3,500 lumens per mtr depending on LED colour temperature and type.

The system includes both interior IP 20 and exterior IP 65 versions as well as a variety of LED, lens and reflector options.

The IP 65 version for exterior use is shown later in this brochure.
3D LED Flex system 25

Modular, 3D flexible LED linear lighting system

The Radiant 3D LED Flex 25 system incorporates many of the design features of the 100 and 40 systems but with a smaller width of only 25 mm.

The system is ideal for use in smaller architectural, retail and residential lighting applications.

For straight coves a matching extruded profile is available, which connects to the articulated modules without dark areas, allowing both straight and curved runs to be lit from a continuous system.

The system can be run at 25 Watts per mtr and provides up to 2,000 lumens per mtr depending on LED colour temperature and type.
Power Cove

Modular, flexible LED linear lighting system

The Radiant Power Cove linear LED system is designed for use in a variety of interior architectural and retail applications including indirect, cove and cabinet lighting.

It combines the long-life advantages of LED lighting with the ability to fit any space providing the effect of a bespoke installation whilst offering the convenience of an 'off-the-shelf' system.

The LED modules are attached to 4 conductor tracks that provide both power and data channels for dimming or colour change control and also give additional heat sinking for the LEDs.

Gatwick south terminal, lighting design by Morgan Sindall Professional Services, winner of two Lighting Design Awards March 2013

40 Watts per mtr will give up to 2,500 lumens depending on LED colour temperature and optics.

Power Cove

Each 4 Watt LED module incorporates an LV constant current driver with PWM dimming for white LEDs or a DMX controller / driver for RGBW versions.

The tracks are available in straight, bendable and flexible versions and can be hand bent on site to provide continuous LED lighting that follows building profiles and architectural details.

Sections of track can be joined with an illuminated in-line connector with matching LEDs.

This enables the system to provide continuous lighting, without dark areas, up to a maximum length of 15 mtrs between feed points.

Lumens per mtr

<table>
<thead>
<tr>
<th>0</th>
<th>1000</th>
<th>2000</th>
<th>3000</th>
<th>4000</th>
<th>5000</th>
</tr>
</thead>
</table>

Playout monitoring centre, lighting design by Design Originals

Gatwick south terminal, lighting design by Morgan Sindall Professional Services, winner of two Lighting Design Awards March 2013
Power Cove

- RGBW LEDs with DMX controller in each module
- Straight 4 conductor track
- Bendable track for concave bends with wider spacing
- Centre power feed and connector - no dark areas
- Dimming and non dimming end power feeds
- Modules can be changed with a single screw fixing
- Illuminated connector joins the tracks - no dark areas
- Straight track with auto locking adjustable bracket
- 4 LED module fitted with elliptical lenses
- Flexible 4 conductor track
- Bendable track for concave bends with wider spacing
- Mounting clip for all tracks
Power Cove

Modular, flexible LED linear lighting system

Nominal 2400 length, 24 Segments

Nominal 1200 length, 12 Segments

Nominal 600 length, 6 Segments

Adjustable bracket

Flexible track

Bendable track

Illuminated in-line connector powerfeed
Flaplight System

The Radiant LED Flaplight system incorporates lockable, hinged barn door flaps to control glare and cut-off.

The system has been developed for a wide variety of linear display lighting applications including museums, galleries and retail.

The lighting head can be fitted with a variety of lenses to control the beam angle and the flaps and body can be locked at the correct aiming angle.

Integral LV constant current drivers are dimmable with all systems.

Lumens per mtr

0 1000 2000 3000 4000 5000
Flaplight System

Variable length

End view detail

35mm

Head rotates

Isometric view

Variable length

End view detail

85mm

Adjustable flaps

Detail flaps open

Flaps are locked independently with an Allen key

Pendant version

Picture light

Double desk-light

Picture light

22
Shard undercabinet

Linear lighting system

The Shard linear lighting system has been developed for use in the apartments of the iconic Shard building in London.

The system incorporates 1 Watt Nichia LEDs and a wide variety of colour temperatures are available with a CRI of up to 95.

A linear prismatic controller gives a wide distribution for use in a wide variety of undercabinet and furniture lighting applications.

LV constant current drivers within the extruded section run the LEDs and all dimming systems can be used via the appropriate Radiant interface modules.

The system can be made in any length up to 2.4 mtrs based on a module of 75 mm.

The extruded section can be cut to length on site to a module of 150 mm.

The system runs at up to 14 Watts per mtr and provides up to 1,500 lumens per mtr depending on LED colour temperature.

Shard integral driver 13 x 1.2 W Nichia NS3 LEDs per mtr

Shard 30 integral driver 9 mm pitch x 0.15 W Nichia LEDs per mtr

1 Watt Nichia LEDs on 75 mm pitch (constant across modules) Integral LV constant current drivers

Lumens per mtr

0 1000 2000 3000 4000 5000

Left Feed
(As mounted under shelf)

Right Feed

Back Feed

120° Beam angle

23°

LED Pitch 75mm

Fitting can be cut on site every 150mm

Front

24
Euclid 20 and 40

Modular LED linear lighting system

The Radiant Euclid system has been developed for use in a wide variety of linear indirect architectural lighting projects including cove lighting, wall grazing, wall washing as well as local task and under cabinet lighting applications.

The system is available in two sizes that both incorporate DC to DC constant current drivers to ensure efficient LED operation and so that long lengths of the system can be run from a single large power supply thus reducing wiring and installation costs.

The Euclid 40 system can provide up to 3,500 lumens per mtr with 2,700 K 80 CRI LEDs and the Euclid 20 can provide up to 1,500 lumens per mtr with 2,700 K 80 CRI LEDs.

The innovative end cap design allows either end, side or back power entry.

Side and back power feeds allow continuous lighting without dark areas on long runs and the LED pitch is maintained between the individual luminaires to maintain constant lighting levels.

Radiant can supply these systems in custom lengths based on a 100 mm module.

<table>
<thead>
<tr>
<th></th>
<th>Euclid 20</th>
<th>Euclid 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lumens per mtr</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>1000</td>
<td>2000</td>
</tr>
<tr>
<td>2000</td>
<td>3000</td>
<td>4000</td>
</tr>
<tr>
<td>4000</td>
<td>5000</td>
<td>5000</td>
</tr>
</tbody>
</table>
The Radiant LED Micro-Track is one of the smallest section low voltage track systems available and is designed for use in retail display cabinets, museums and residential lighting applications.

With a working life of 50,000 hours, the Radiant LED spotlights eliminate the cost and security issues of replacing halogen lamps.

The light output from the 3.5 Watt LED arrays used for Radiant LED spotlights contains very little heat or UV so this system is ideal for the illumination of sensitive materials.

**Lumens per spotlight**

<table>
<thead>
<tr>
<th>Colour/Temperature</th>
<th>Lumens</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cone LED</td>
<td>200</td>
</tr>
<tr>
<td>Ribbed LED</td>
<td>300</td>
</tr>
<tr>
<td>MR111 LED</td>
<td>400</td>
</tr>
<tr>
<td>MR16 LED</td>
<td>500</td>
</tr>
</tbody>
</table>

**LED Spotlights**

- Cone LED spotlight track mounted
- Cone LED spotlight surface mounted
- Ribbed LED spotlight track mounted
- Ribbed LED spotlight surface mounted
- 60mm narrow beam LED spotlight track mounted
- 60mm narrow beam LED spotlight surface mounted
- MR11 LED spotlight track mounted
- MR16 LED spotlight track mounted
Micro Track system

- Various lenses and honeycomb louvre
- Surface mount track base
- Curved Micro Track used in Banana Republic Milan
- Curved Micro Track used in Banana Republic Milan
- Power feed and flexible connector
- Curved track
- In line connector
- End cap and fixing clips with black and chrome track
The Radiant Aleta range of LED spotlights are designed for use in a variety of museum, gallery and retail lighting applications.

A wide variety of LED array types, reflectors, lenses, control accessories and dimming systems can be used in this range of spotlights. Any RAL colour can be supplied to order.
Serpentine
Flexible IP 65 LED
Linear lighting system

TFL project
Architect Burns and Nice
RIBA award winner 2010
Serpentine

Flexible IP 65 LED
Linear lighting system

The Radiant Serpentine exterior LED linear system is the first system of its type to be hand bendable on site, and to offer adjustment in both the axial and vertical planes.

The Serpentine system is designed to be used in a wide variety of exterior building facade lighting, wall-grazing, landscape and other exterior architectural lighting applications.

The individual LED lighting modules can rotate around the axis of the system and between the joints allowing the system to be curved to follow building profiles and architectural details and for the light output to be aimed to give optimum grazing or feature lighting.

Up to 75 Watts per mtr. Over 5,500 lumens per mtr depending on LED colour temperature.
Serpentine

Flexible IP 65 LED
Linear lighting system

All joints are rotationally adjustable on vertical and horizontal planes.

Minimum allowable radii arrangement
Inward 0°

Minimum allowable radii arrangement
Inward 15°
3D LED Flex system 40
IP 65 version

Modular, 3D flexible LED linear lighting system

The Radiant 3D LED Flex 40 system, IP 65 version, can be run at 55 Watts per mtr and provides up to 3,000 lumens per mtr depending on LED colour temperature and type.

The IP 65 system is available in a wide variety of LED, lens and reflector options and can be supplied with tempered UV block glass covers for use in high sunlight situations.
Tube Light

Linear lighting tube system IP65

The Radiant Tube Light system has been developed for use in a wide variety of interior and exterior lighting applications where an enclosed linear line of light is required.

The system is available for both fluorescent T5 and PLC lamps in a range of Wattages and also in LED versions including RGBW. An E27 base version is suitable for use with low wattage decorative incandescent lamps - below 20 Watts - as well as self ballasted CFL lamps below 11 Watts.

Line voltage ballasts and LED drivers are located within the luminaire, situated behind the reflector. Remote driver versions are also available for PLL lamps and double sided LED arrays.

The outer extruded UV resistant polycarbonate tube is available in both clear and frosted finishes. Colour gels can be supplied to fit with the fluorescent lamps for decorative applications.

A surface mount bracket is available as well as a pendant suspension kit and custom mounting brackets.

The surface mounting brackets allow limited rotation around the major axis to allow wall grazing and washing effects to be achieved.

Lumens per mtr

<table>
<thead>
<tr>
<th>0</th>
<th>1000</th>
<th>2000</th>
<th>3000</th>
<th>4000</th>
<th>5000</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>43</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
45 Watt 16 LED RAD 250 IP 68 uplight

25 Watt single LED array RAD 150 IP 68 uplight

16 LED RGBW RAD 250 IP 68 uplight

Regent’s Place detail
4 x 10 Watt RGBW uplight with colour mixing lenses

Regent’s Place, London, 2010 RIBA London Award, Lighting Design by Maurice Brill, Architects Carmody Groark
RAD 250 IP 68

Submersible LED uplights

The Radiant range of square and rectangular IP 68 rated LED buried uplights are designed for use in a wide variety of exterior architectural lighting applications.

The RAD 250 luminaire is based on the custom uplight designed in collaboration with MBLD and produced for the British Land project Osnaburgh Street Pavilion - Regent’s Place.

The uplights are sealed to an IP 68 rating to ensure long working life in applications where they may be submerged for extended periods of time.

The submersible version was developed for the spa pool at the Armani Hotel in Milan and has the same optical performance but is constructed from brass and stainless steel.
RAD Cube

RGBW wall light

The RAD Cube IP 65 architectural wall light incorporates a single RGBW LED array and DMX driver controller.

The colour mixing lens works with the RGBW LED array to create a well blended colour output even with a small offset distance from the wall.

The LED and lens are angled at 15 degrees to push more light onto the mounting surface.

The RAD Cube can also be produced with a dynamic white LED array and DMX control.

The luminaires can be linked together in a chain with 5 core exterior grade cable and IP 68 connectors for easy wiring.

7 Watts producing approx 500 lumens depending on LED configuration.
Aleta LED

Exterior projector
IP 65 range

The Aleta LED IP 65 LED projector range is available in 25 Watt and 50 Watt sizes.

A single white or RGBW LED array is fitted with a variety of reflector and control options.

Dimmable line voltage drivers are housed in the base.

Aleta 25 Watt IP 65 projector

Aleta 50 Watt IP 65 projector

Lumens per spotlight

0 1000 2000 3000 4000 5000