RADIANT

ARCHITECTURAL LIGHTING

2020

RADIANT
ARCHITECTURAL LIGHTING

Established in 2008 in London, Radiant Architectural Lighting provides innovative LED lighting solutions for projects around the world.

Innovation is at the heart of Radiant. Bespoke custom-built products are what we do best, with many of todays 'standard' products originating from specific project requests.

Everything we create is made to order and is designed and produced in the UK.

Radiant linear lighting solutions are designed with flexibility, adjustability and performance in mind, whilst embracing the latest lighting technologies and processes to guarantee longer lasting and efficient lighting systems for any architectural application.

With a strong heritage in luminaire design, Radiant excels in designing products for both interior and exterior application areas, to give lighting designers the perfect tools to illuminate and enhance architecture beautifully.

Radiant has worked with leading designers on a plethora of high profile global projects including the award-winning Strasbourg Cathedral, Zaha Hadid designed Heydar Aliyev Centre, Burberry, Ritz Hotel Paris, Harrods, Dior stores and Heathrow Airport.

Guide

Linear Lighting

Accent lighting

Effect lighting

3D LED Flex Range

Modular + Linear + Flexible

The multi-award winning 3D LED Flex system has developed from a custom solution for a Zaha Hadid designed building into a comprehensive modular linear lighting system with a vast range of options.

Ideal for use in a wide range of interior, exterior and underwater lighting projects where curved lines of light are needed to illuminate non-linear building surfaces, columns and domes.

The patented mechanical joint structure allows the individual modules to be bent and twisted in three dimensions to follow the most complex building contours.

- Flexible in 3 Dimensions & hand - bendable and lockable on-site

- Four sizes, for projects of all sizes. Up to 10,000 lumens per mtr from the 200 size down to 4,000 lumens per mtr from the 25.

- IP ratings of IP20, IP44, IP65, IP66 and IP68 submersible

- A wide range of LED light engine, reflector and lens options available. White light, RGB, RGBW, and dynamic white options available

- Wide range of bracketry and anti-glare accessories. Custom lengths up to 2.5 mtrs based on a 100mm or 200mm module length

3D LED Flex 200

- Up to 11,000 Lumens per Mtr

- Up to 25 Watts per 200mm module

- IP ratings available: IP20, IP65 & IP66

3D LED Flex 100

- Up to 9,500 Lumens per Mtr

- Up to 11 Watts per 100mm module

- IP ratings available: IP20, IP65 & IP66

3D LED Flex 40

- Up to 5,000 Lumens per Mtr

- Up to 5 Watts per 100mm module

- IP ratings available: IP20, IP44, IP65, IP66 & IP68

3D LED Flex 25

- Up to 4,000 Lumens per Mtr

- Up to 4 Watts per 100mm module

- IP ratings available: IP20, IP65, IP66 & IP68

3D LED Flex Range

Modular + Linear + Flexible

The 3D LED Flex range is modular and the various components can be assembled together in different combinations to meet project requirements. Every element from the light engine and optics, to the anti-glare accessories and bracketry can be customised. We are continuously developing new components for the system as the scope of our projects expands.

Custom finishes for metalwork and louvres

Custom light engines and optics for each project

IP66 twin module

Two level bracket

Single modules on adjustable angle brackets

Wider spaced modules extended ball-joints
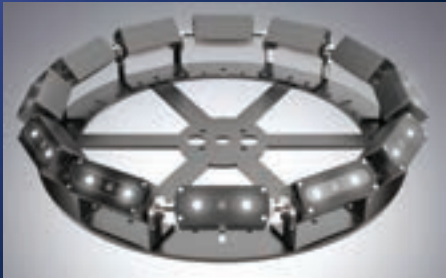

Single modules with flexible cable link

Customisable anti-glare accessories

Custom bracket solutions

Strip lengths up to 2.5 Mtrs

3D LED Flex 200 IP66

Modular, 3D flexible LED exterior linear lighting system

The 3D LED Flex 200 IP66 system has been developed for use in a wide variety of large-scale exterior architectural lighting projects requiring wall grazing and wall wash lighting where the building surfaces are non-linear with curved profiles and facades.

The patented articulated ball-joint system joining the heat-sink modules allows the system to follow complex curved building profiles.
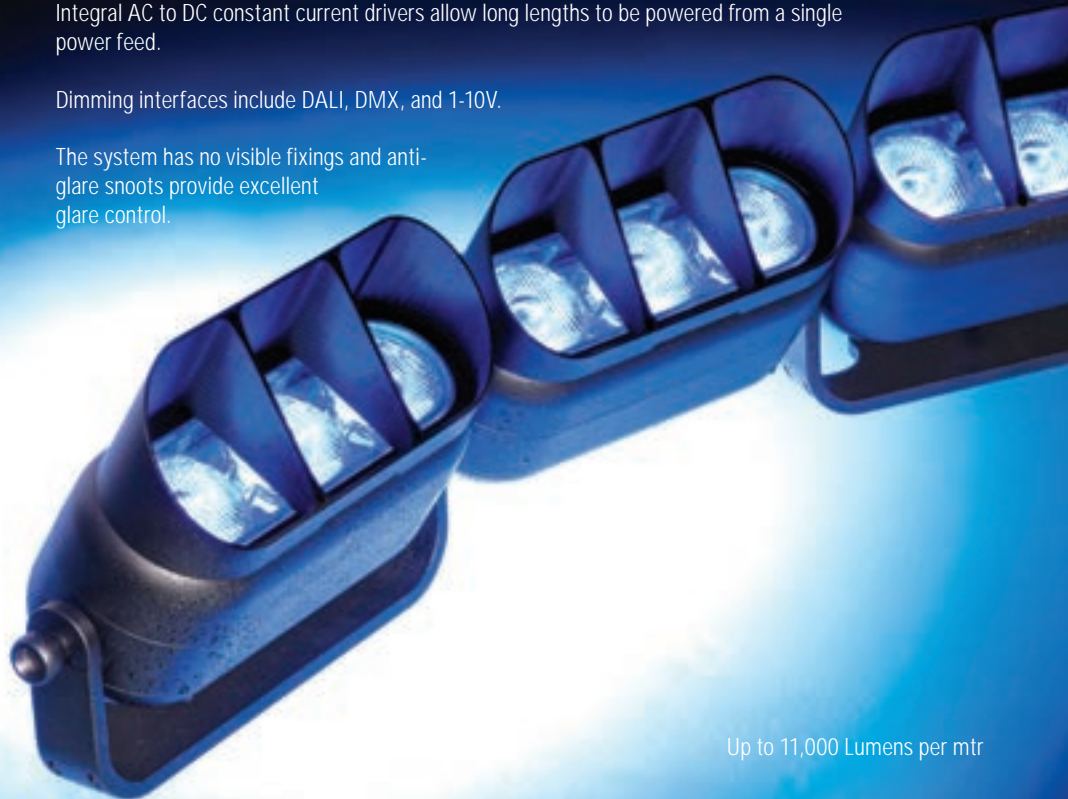
The latest and largest addition to the range, the 3D LED Flex 200 can be run at up to 125 Watts per Mtr, providing up to 11,000 Lumens per Mtr.

Each 200mm long module comprises of 3 x arrays of 4 x RGBW Luxeon-Z LEDs with highly efficient Gaggione colour-blending lenses.

Integral AC to DC constant current drivers allow long lengths to be powered from a single power feed.

Dimming interfaces include DALI, DMX, and 1-10V.
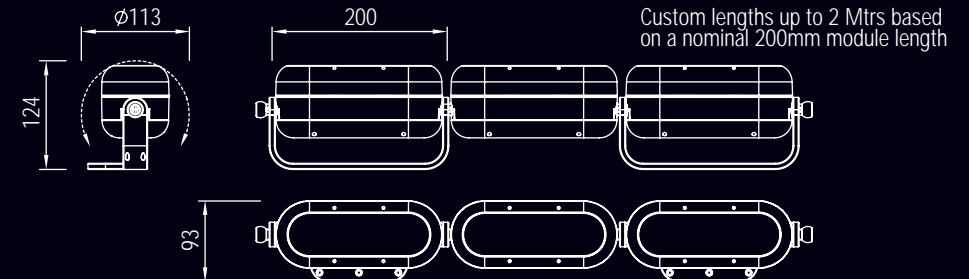
The system has no visible fixings and anti-glare snoots provide excellent glare control.

Up to 11,000 Lumens per mtr

3D LED Flex 200 IP 66

Ø113

200

124

93

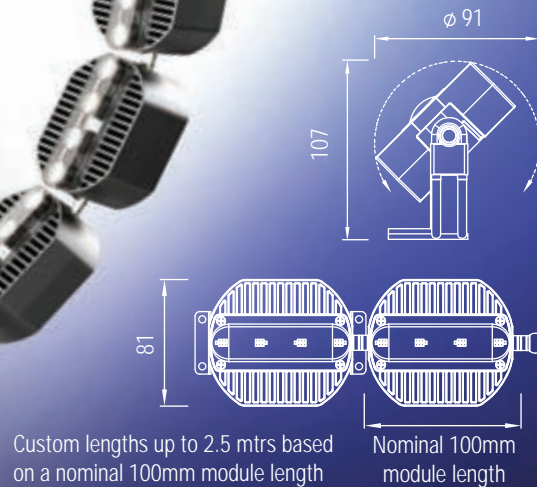Custom lengths up to 2 Mtrs based on a nominal 200mm module length

3D LED Flex 100 IP20

Modular, 3D flexible LED interior linear lighting system

The Radiant 3D LED Flex 100 system was the first type in the range and was originally developed for the Heydar Aliyev Centre project to provide all the ambient lighting in the auditorium. The system has been further developed for use in a wide variety of other architectural lighting projects requiring cove lighting and wall wash lighting where the building surfaces are non-linear with curved profiles and facades.

The patented articulated joint system joining the heat sinks allows the system to follow curved building surfaces while maintaining a 25mm spacing between LEDs, thus ensuring continuous lit effects without shadows or dark areas.

Each LED heat sink module can operate up to 11 Watts of LEDs giving a light output of up to 9,500 lumens per mtr.

Integrated LV DC to DC constant current drivers allow long runs to be powered from a single remote power supply.

ø 91

107

81

Custom lengths up to 2.5 mtrs based on a nominal 100mm module length

Nominal 100mm module length

Up to 9,500 Lumens per mtr

Heydar Aliyev Centre
Architect Zaha Hadid Associates
Lighting design by MBLD

Burberry flagship store, Regent Street, London. Lighting design by Russell Lipscombe

The McEwan Hall, University of Edinburgh. Lighting design by Buro Happold

28 x 0.3 W medium power LEDs with white reflector per module

4 x high power LEDs with lenses per module

1 x 10 Watt RGBW LED array with asymmetric reflector per module

1 x 10 Watt RGBW LED array with colour-blending lens per module

Swindon Designer Outlet, UK. Architecture by McLaren & POD. Lighting design by Aecom

3D LED Flex 100 IP66

Modular, 3D flexible LED exterior linear lighting system

The Radiant 3D LED Flex 100 IP66 system has been developed for use in larger scale exterior lighting applications where the building surfaces are non-linear with curved profiles including columns, domes and curved facades.

The articulated joint system allows the LED heat sinks to follow three dimensionally curved surfaces while maintaining a 25 mm spacing between LEDs, thus ensuring continuous lit effects without shadows or dark areas.

A digital thermal control system ensures that the LEDs work at an optimal temperature even in high ambients.

Up to 8,700 Lumens per mtr

Ultra narrow beam 4 degree lenses

Intu Lakeside Shopping Centre. Lighting design by Hoare Lea

3D LED Flex 40 IP20

Modular, IP20 3D flexible LED interior linear lighting system

The Radiant 3D LED Flex 40 IP20 system incorporates the widest range of versions and options and has been specified and installed on the greatest number of projects to date.

The system can be run at up to 50 Watts per mtr and provides over 5,000 lumens per mtr depending on LED colour temperature and type.

The system includes both interior IP20, exterior IP66 and underwater IP68 versions.

GERMAN DESIGN AWARD WINNER 2019

Nominal 100mm module length

40

35

Up to 5,000 Lumens per mtr
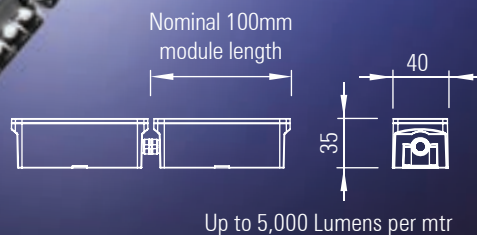
WestQuay Watermark, UK
Lighting design by George Sexton Associates

Dior store in Centria mall, Riyadh. Lighting design by Metis lighting

Hammersmith Apollo London, foyer and auditorium. Lighting design by Jim Morse. LUX Award winner

K11 Musea, Hong Kong. Lighting design by Speirs + Major. Photography by Jackie Chan

3D LED Flex 40 IP66

Modular, IP66 3D flexible LED exterior linear lighting system

One of the early developments of the 3D LED Flex 40 system was an exterior IP66 rated version so that the same system can be used to light both interior and exterior projects. The system has also been used to light pools and hammams where high humidity would cause problems for an IP20 rated system.

The most popular elliptical optic version has been used to graze domes, curved roof surfaces and facades. The 100 mm module allows the system to be tailored to fit any building size and shape.

The system can be run at up to 50 Watts per mtr providing over 5,000 lumens per mtr. With many options for LED light engines, optics, mounting brackets and anti-glare accessories the system can be configured for each project.

A thermal control system is used in high ambient conditions to keep the LEDs working at an optimum temperature.

Up to 5,000 Lumens per mtr

University of Edinburgh Old College dome, UK
Lighting design by Nich Smith Lighting Design

The Bvlgari Spa, Dubai. Lighting design by Delta lighting solutions, Dubai
Winner of the Light Middle East Award for Hotel Lighting Project of the Year

Deniz Mall, Baku, Azerbaijan
Lighting design by MBLD

3D LED Flex 40 IP66 system. Each module comprises 4 x Luxeon Z red LEDs with a Gaggione ultra-narrow beam lens, and custom height anti-glare snoot. Each module is individually addressable via DMX

Heart Beat installation. Installation and lighting design by GNI Projects

Heart Beat installation, Lightwaves festival. Salford Quays, UK
Lighting design by GNI Projects
Darc Award Winner - Art: Best Light Art Scheme, Low Budget

darc awards
/ARCHITECTURAL
WINNER

3D LED Flex 40 System IP66, tuneable white modules with lenses & adjustable angle mounting brackets

Strasbourg Cathedral, France

Strasbourg Cathedral, France. Lighting design by Acte Lumiere.
Darc Award Winner - Structures: Best Exterior Lighting Scheme, High Budget

darc awards
/ARCHITECTURAL
WINNER

3D LED Flex 40 System IP66 RGBW - 200 mm module pitch
Each module is individually addressable via DMX

South Devon College, UK. Lighting design by Michael Grubb Studio. Photograph by Tom Davey

8 or 12 x 0.3 Watt medium power LEDs with white reflector per module

1 x RGBW array with colour-blending lens per module

4 x high power LEDs with lenses per module

1 x RGBW array with reflector per module

Nominal 100mm module length

Custom lengths up to 2.5mtrs based on a nominal 100mm module length

40

44

58

Adjustable angle bracket:

96

70

Minimum bend radii using standard ball-joints:

Custom ball-joints and brackets (to order) can give different bend radii where needed

R 487

R 166

R 164
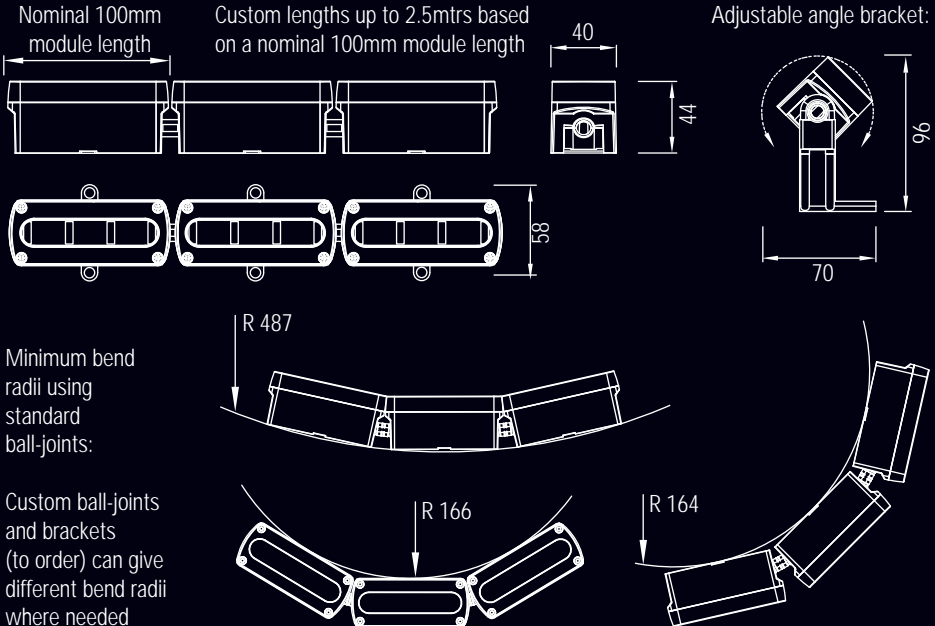
3D LED Flex 40 IP68

Modular, IP68 3D flexible LED underwater linear lighting system

The Radiant 3D LED Flex 40 IP68 system is designed for use in underwater applications where curved lines of light are required. The system components are cast in 316 L stainless steel and are suitable for use in saline and chlorine environments including pools, fountains and marine projects. The pressed glass windows are bonded to the module bodies and all LED and internal driver boards are potted in silicone resin to ensure long working life at up to 2 mtrs depth.

The patented articulated joint system joining the LED modules allows the system to bend and twist in three dimensions to follow curved building surfaces while maintaining a constant spacing between LEDs. Output up to 4,000 lumens per mtr.

Up to 4,000 Lumens per mtr

4 x high power LEDs with lenses per module

Anti-glare snoot
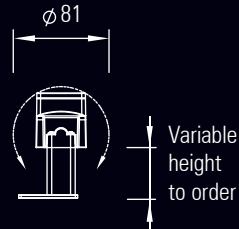

Single module on adjustable angle bracket

Cable connection between modules

Nominal 106mm module length

Custom lengths up to 2.5mtrs based on a nominal 106mm module length
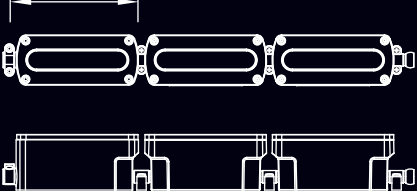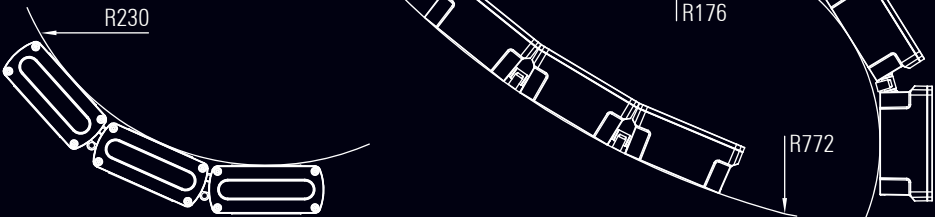
Adjustable angle bracket:

⌀ 81

43

46

Variable height to order

Standard minimum bend radii using standard ball-joints:

Custom ball-joint and brackets (to order) can give different bend radii where needed

R230

R176

R772

3D LED Flex 25 IP20

Modular, 3D flexible LED interior 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 hospitality lighting applications.

This is the most cost effective version of the 3D LED Flex range and has a light output of up to 4,000 lumens per mtr.

Like the larger sizes, the 25 system is available with a wide range of light engines, optics, dimming interfaces, anti-glare accessories and mounting bracketry to suit each project.

25

33
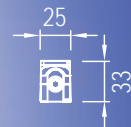
Nominal 100mm module length

Up to 4,000 Lumens per mtr

8 or 12 medium power LEDs per module

4 x high power LEDs with lenses per module

Anti-glare snoot accessories

200mm double-spacing between modules

Sydney Lyric Theatre, Australia. Lighting design by Schuler Shook

3D LED Flex 25 IP66

Modular IP66 3D flexible LED exterior linear lighting system

The Radiant 3D LED Flex 25 IP66 system is designed to be used in a wide variety of exterior lighting applications where a lower light output and smaller width is needed than the larger types also available in the range.

The system is ideal for use in smaller architectural and facade lighting applications. The system is available in a wide variety of LED, lens and reflector options and can be supplied with pressed glass windows for use in high sunlight situations or where sand abrasion is an issue.

A thermal control system is used in high ambient conditions to keep the LEDs working at an optimum temperature.

Up to 3,700 Lumens per mtr

Mid-power LED version with adjustable angle brackets

High power LEDs with lenses version with fixed angle mounting brackets
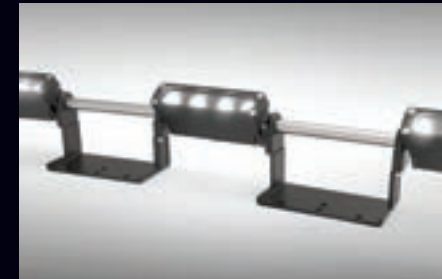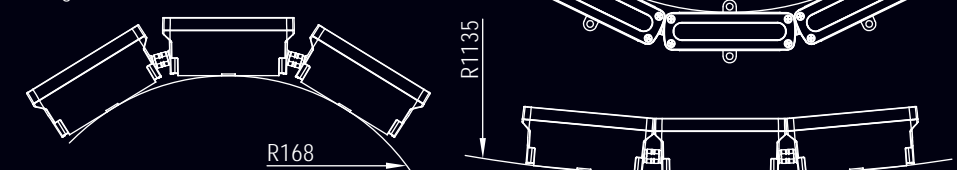

200mm double-spacing between modules

Anti-glare snoot accessories

Nominal 100mm module length

Custom lengths up to 2.5mtrs based on a nominal 100mm module length

29

44

48
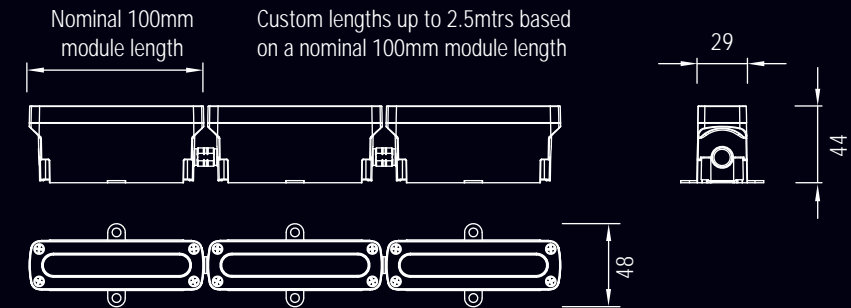
Standard minimum bend radii:

Custom ball-joints and brackets (to order) can give different bend radii where needed
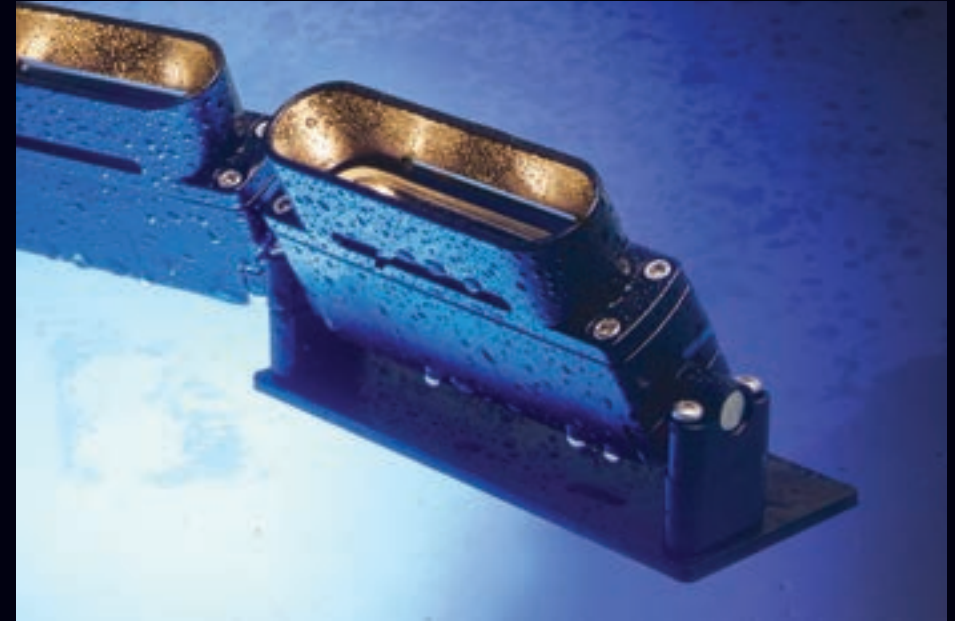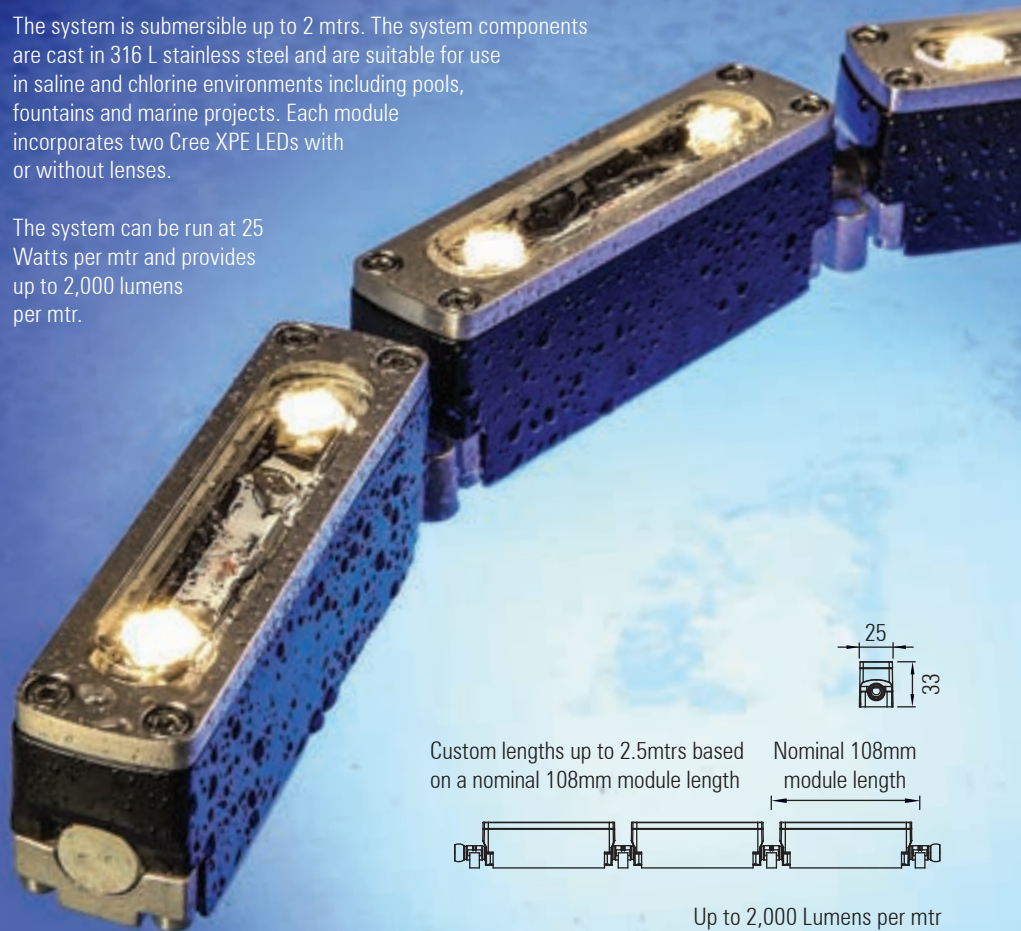
R208

R1135

R168

3D LED Flex 25 IP68

Modular IP68 3D flexible LED linear lighting system

The Radiant 3D LED Flex 25 IP68 system is designed for underwater applications where the building surfaces are non-linear with curved profiles. The articulated joint system joining the LED heat sinks allows the system to follow curved building surfaces while maintaining a constant spacing between LEDs, thus ensuring continuous lit effects without shadows or dark areas.

The system is submersible up to 2 mtrs. The system components are cast in 316 L stainless steel and are suitable for use in saline and chlorine environments including pools, fountains and marine projects. Each module incorporates two Cree XPE LEDs with or without lenses.

The system can be run at 25 Watts per mtr and provides up to 2,000 lumens per mtr.

25

33

Custom lengths up to 2.5mtrs based on a nominal 108mm module length

Nominal 108mm module length

Up to 2,000 Lumens per mtr

3D LED Flex 25 IP68 with adjustable angle brackets and anti-glare snoot accessory

Chanel Spa at the Ritz Hotel, Paris. Lighting design by Schwinghammer Lighting Design, New York

Centura

Modular, interior flexible
linear LED pendant system

Centura is a flexible LED interior linear lighting system, designed to make complex designs simple. An innovative design offers the flexibility to follow curved surfaces, encircle columns and domes, and to make irregular shaped pendants, all whilst offering excellent lighting control and uniformity.

The system is available in uplight and downlight and aimable side accent-light solutions, surface mounted or suspended, and with a light output of up to 5,500 lumens per mtr, making it ideal for a wide range of application areas including architectural, hospitality, leisure and retail.

The body and anti-glare louvres are available in all RAL colours, including gold for warmth, black for a dark light effect and red for dramatic impact.

Up to 5,500 Lumens per mtr

GERMAN DESIGN AWARD WINNER 2020

light MIDDLE EAST | AWARDS 2018
Winner
Indoor Lighting
Product of the Year

Centura

Modular, interior flexible linear LED pendant system

Downlight, uplight and aimable projector side-light options
Flexible or fixed-shape modular LED linear pendant lighting system IP20

Double spacing between modules

Downlight with custom RGBW light engines and highly efficient colour blending lenses

Cut-angle modules for wall washing with light gold louvres

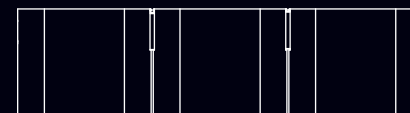Up and down light with black louvres

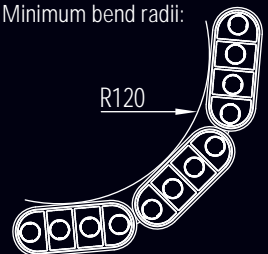Opal diffuser downlight

Aimable side projector

100mm nominal module length

40

70mm standard module height

Minimum bend radii:

R120

Serpentine

Flexible IP65 LED Linear lighting system

The Radiant Serpentine exterior LED linear system was 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 65 Watts per mtr. Up to 6,000 lumens per mtr depending on LED colour temperature.

50

86

91

200
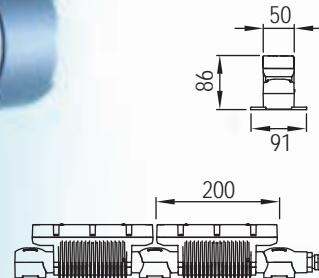
Up to 6,000 Lumens per mtr

Goodman's Fields, London. Lighting design by EQ2 Light. Photo by Simon Winson - Berkeley Group

TFL project. Architect Burns and Nice. RIBA award winner

Flaplight

LED Linear display lighting 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.
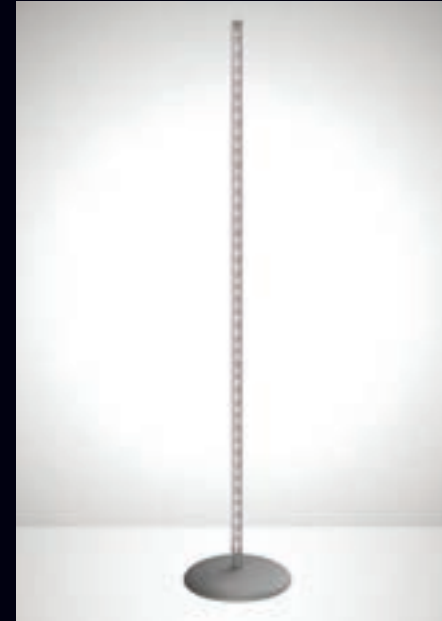
The lighting head can be fitted with a variety of lenses to control the beam angle.

The flaps and body can be locked at the correct aiming angle.

Integral LV constant current drivers are dimmable with all systems.
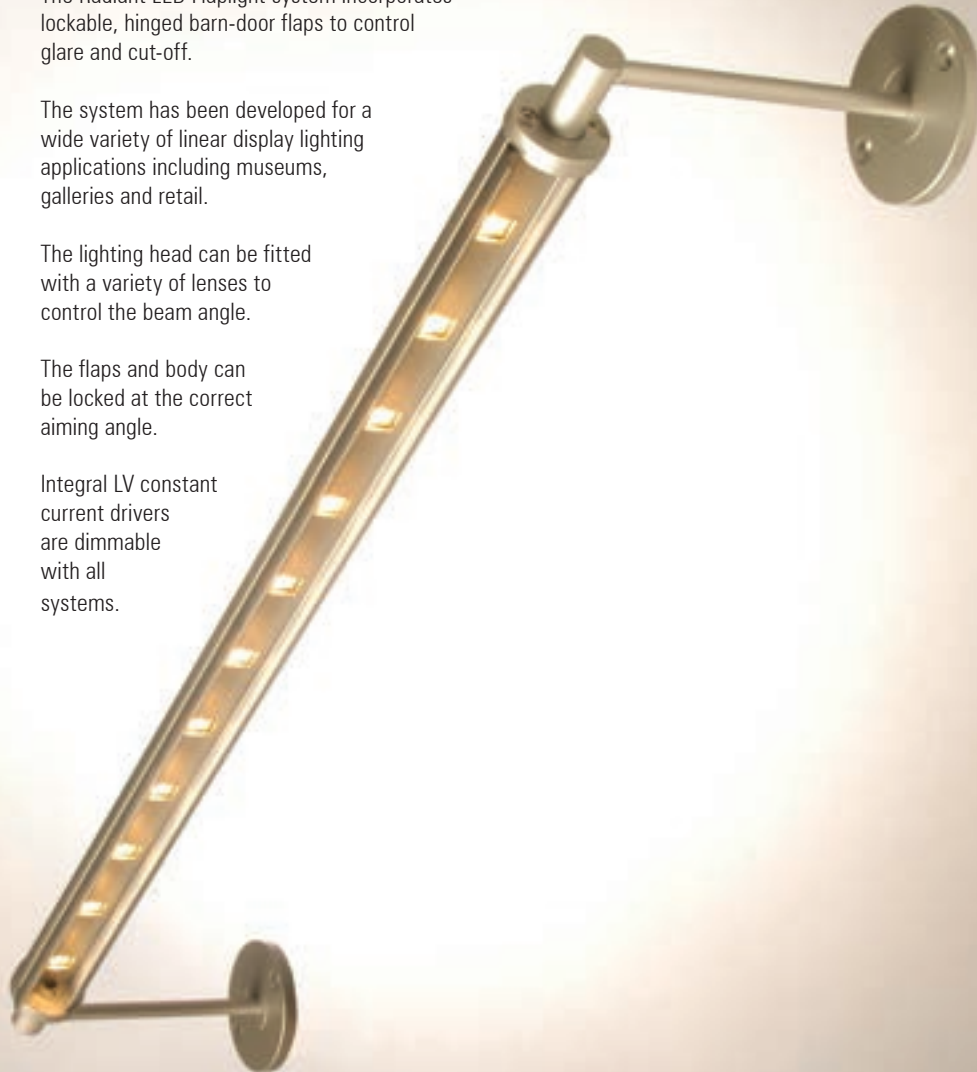
Up to 2,800 Lumens per mtr

Floor mount base version

Flaplight with flaps open

Flaplight with flaps closed

Pendant version

Each flap can be locked individually using an Allen key

End view detail

35

65

Head rotates

Variable length to order

End view detail

Adjustable flaps

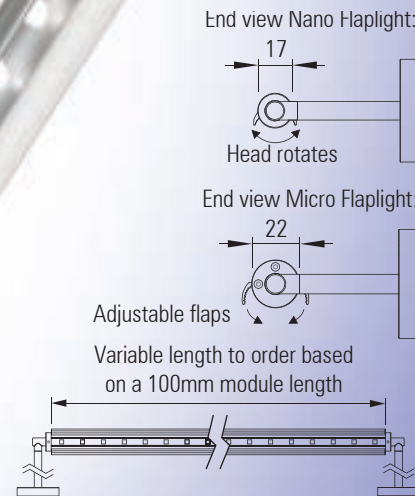Variable length to order
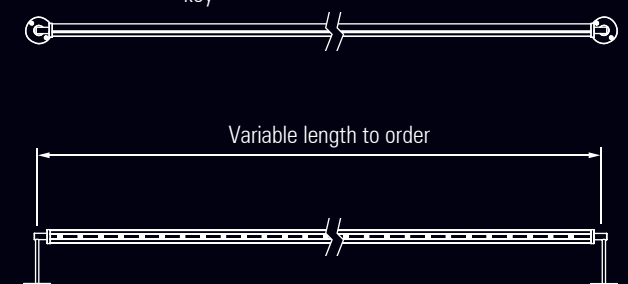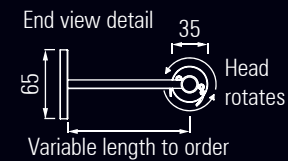
Flaplight Micro and Flaplight Nano

LED Linear display lighting system

The Radiant Micro and Nano Flaplight systems extend the range with smaller sizes suitable for use in residential projects and within display cases.

The Micro incorporates the same lockable, hinged barn-doors as the standard size Flaplight.

The Nano has fixed flaps to give excellent glare control and visual comfort in the smallest overall size.

The smaller systems incorporate a linear lens for excellent beam control or for a softer diffuse lit effect.

End view Nano Flaplight:

17

Head rotates

End view Micro Flaplight:

22

Adjustable flaps

Variable length to order based on a 100mm module length

Nano: Up to 1,500 Lumens per mtr
Micro: Up to 2,500 Lumens per mtr

Flaplight IP65

LED Linear display lighting system IP65

The Radiant Flaplight IP65 develops the use of individually adjustable and lockable barn doors into exterior facade and display lighting.

The lighting head can be fitted with a variety of light engine types and optics providing both diffuse and focused distributions to give complete control of the lit effect.

The self-locking adjustable angle mounting bracket together with the lockable flaps ensure that correct aiming angle is maintained once set.

Integral LV constant current drivers are dimmable with all systems.

48

71

62

Adjustable flaps

0° - 20°

Variable length to order based on 100mm module length

Up to 2,800 Lumens per mtr

F Grazer

LED linear lighting system

The F Grazer system has been developed for use in hospitality lighting projects, to produce surface grazing effects where a minimal and cost-effective solution is required.

In its simplest form the 330 mm light engine modules, complete with narrow elliptical lenses, are combined with the extruded body heat sink to provide an efficient concealed grazer luminaire. Direct fixing through the heat sink extrusion.

Glare control louvres, optical film diffusers, clear covers and end caps can be added to create a fully featured linear lighting system. A self-locking adjustable angle version is also available.

On board constant current linear drivers ensure the tightly binned LEDs are run at the optimum drive current.

Up to 10 mtrs of the system can be run from a single remote LV power supply. Dimming is via a separate pwm channel with an interface to all standard dimming systems.

Up to 2,000 Lumens per mtr

Standard grazer version

End cap detail

Anti-glare louvre detail

Adjustable angle mounting bracket

End view:

25

Plan view:

39

LED Pitch
56mm

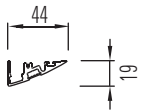Front view:

Variable length based on a 330mm module length
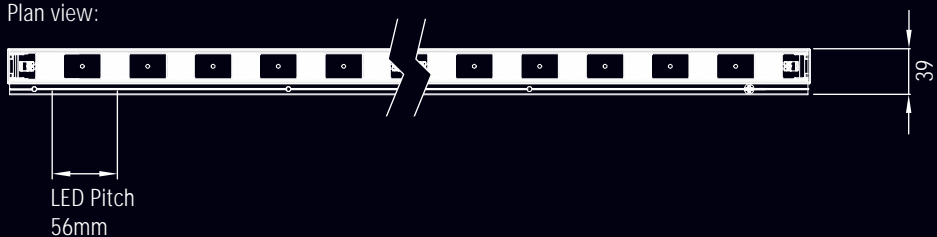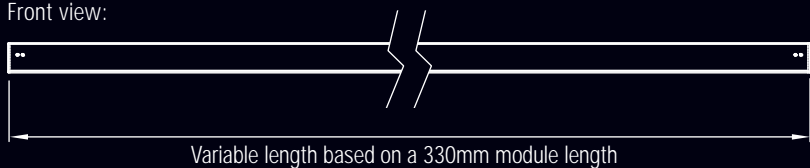
Shard undercabinet

LED Linear lighting system

The Shard linear lighting system was developed with George Sexton Associates for use in the apartments of the iconic Shard building in London.

The system incorporates medium power LED light engines, with on board linear drivers, in a wide variety of colour temperatures with CRI up to 95. Up to 1,500 lumens per mtr. Dot free opal or clear window versions are available.

The system can be supplied in any length up to 2.5 mtrs. Smallest cutting module based on 100mm LED pitch. Longer continuous runs plug together on site.

44

19

Variable length based on a 150mm module length

Up to 1,500 Lumens per mtr

Euclid 12

LED linear lighting system

The Euclid 12 system was developed with George Sexton Associates as a custom design for a major residential lighting project.

The smallest section linear system in the Radiant range, the Euclid 12 can provide up to 800 lumens per mtr.

The system incorporates the same medium power LED light engines used in the Shard so that the two systems can be used together. On board linear drivers and LEDs in a wide variety of colour temperatures with CRI up to 95. Dot free opal or clear window versions are available.

The system can be supplied in any length up to 2.5 mtrs. Smallest cutting module based on 100 mm LED pitch.

Variable length to order based on 100mm module

12

12
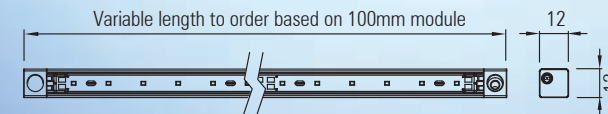
Up to 800 Lumens per mtr

Euclid 20 Standard and High Output

LED linear lighting system

The Euclid 20 system was originally developed with DPA in Dubai for use on residential projects as a simple to install, cost effective linear lighting system. The 16 Amp plug together connector system, which fits inside the body extrusion, allows up to 11 mtrs to be lit from a single feed point without dark gaps between strips.

Designed for use in both indirect cove lighting applications and also, with the addition of a linear lens and optical films, for wall grazing and wall washing.

The system incorporates the same medium power LEDs used in the Shard and Euclid 12 so that all these systems can be used together. The Euclid 20 system can produce up to 3,500 lumens per mtr from the High Output version.

Clear window, Opal and Dot free opal and clear are available along with RGBW and dynamic white light versions.

The system can be supplied in any length up to 2.5 mtrs with the smallest cutting module based on 100 mm LED pitch.

21

21

Variable length to order based on 83mm module
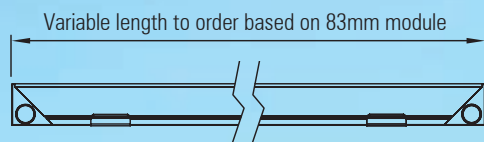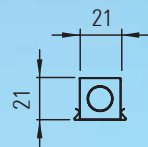
Up to 3.500 Lumens per mtr

Linear lens version - 40° beam angle

Diffuse opal cover

Plug together connectors between strips which fit inside the modules for continuous lighting

Euclid 20 side feed

London Heathrow Airport, Terminal 2. Lighting design by Studio Fractal and Hoare Lea. Lux Award winner

Euclid 20 Balljoint Standard and High Output

Modular, 3D flexible LED linear lighting system

The Euclid 20 Balljoint system combines the simplicity of the Euclid 20 with the total flexibility of the 3D LED Flex range.

The system incorporates the same medium power LEDs used in the Euclid 20 so that these systems can be used together on the same project. On-board linear drivers and LEDs in a wide variety of colour temperatures with CRI up to 95. Up to 3,500 lumens per mtr. from the High Output version.

Opal, Dot free opal, clear window and linear lens versions are available.

Modules in any length based on a 100 mm module can be used to make up complete lengths of the system. RGBW and dynamic white light engines can also be incorporated in this system.

200mm long modules

Up to 3.500 Lumens per mtr

21

Variable module length to order (increments of 100mm)

21
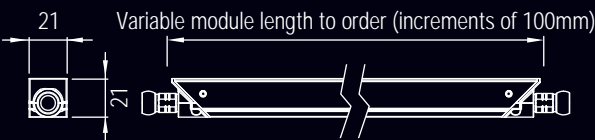
Strips up to 2 Mtrs can be comprised of custom combinations of modules of any specified length (increments of 100mm)

E.g. a 2 Mtr strip comprised of 10 x 200mm modules

Standard minimum bend radii with 100mm modules:

(The module length will effect the bend radii)

R293

R314

R295
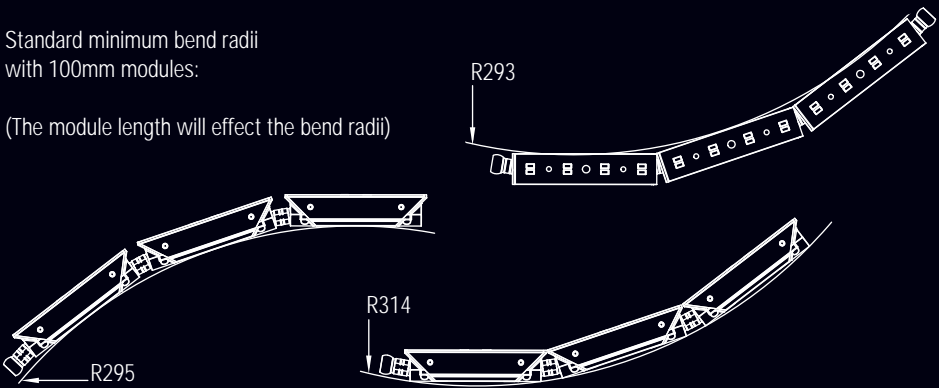
Haz Restaurant, London. Lighting design by Nulty

Euclid 30 IP65

Exterior LED linear lighting system

The Euclid 30 IP65 system can be used in a wide variety of exterior linear lighting applications including indirect cove lighting, wall grazing and wall washing.

The extruded body heat sink incorporates space for IP67 rated connectors so that up 11 mtrs of the system can be linked together on site and fed from a single feed point without dark gaps.

The system incorporates the same medium power LEDs used in the interior Euclid systems. Up to 2,500 lumens per mtr. Opal, dot-free opal, clear window and linear lens versions are available. RGBW and dynamic white light engines can also be incorporated in this system.

Variable length to order based on a 100mm module length

34

40

Up to 2.500 Lumens per mtr
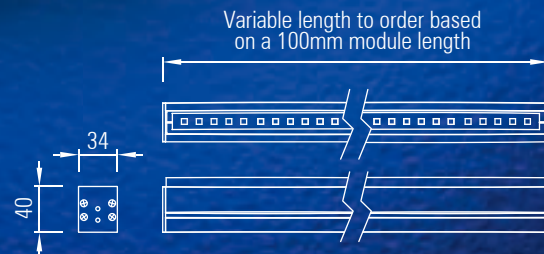
Euclid 30 IP68

Underwater IP68 LED linear lighting system

The Radiant Euclid 30 IP68 system is designed for use in underwater applications where linear lines of light are required. The system components are cast in 316 L stainless steel and are suitable for use in saline and chlorine environments, up to 2 mtrs in depth, including pools, fountains and marine projects.

The Euclid 30 modules incorporate the same LEDs and optics as the 3D LED Flex 25 IP68 so they can be used together on the same project. LEDs come in a wide variety of colour temperatures with CRI up to 95. The system can produce up to 1,800 lumens per mtr.

300

25

40
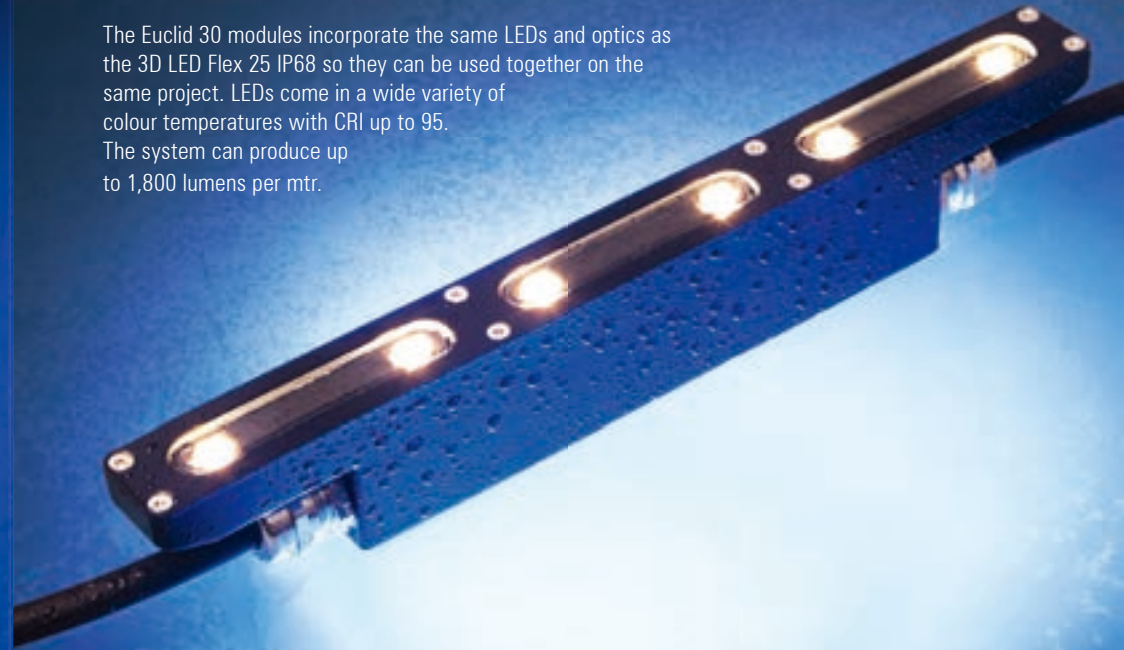
Up to 1,800 Lumens per mtr

Euclid 40 IP20 Standard and High Output

LED linear lighting system
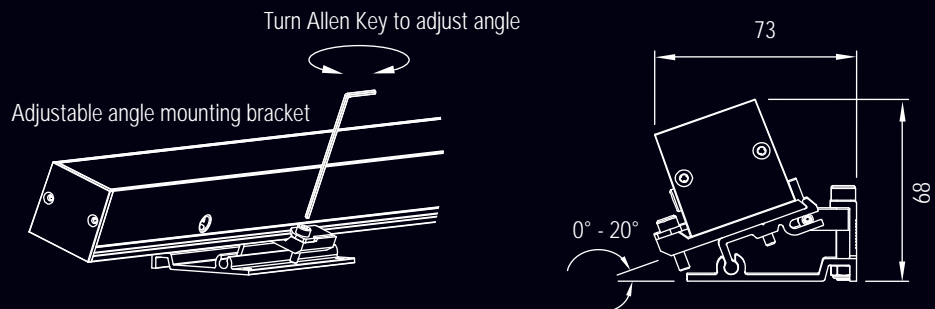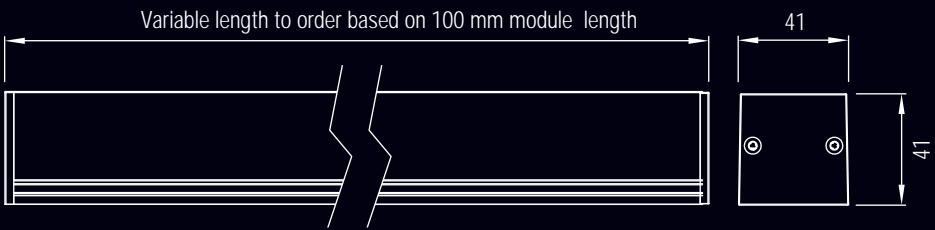
The Euclid 40 system has been developed for use in a wide variety of linear indirect lighting applications including cove lighting. The system can be fitted with an opal diffuser to create continuous lines of dot free light.

The system incorporates the same medium power LEDs used in the Shard and other Euclid systems so that they can all be used together.

The profile and light output of the Euclid 40 matches the non lens version of the 3D LED Flex 40 so that they can be used in the same project to light linear and curved spaces.

Up to 5,500 lumens per mtr. Clear or opal window versions are available along with RGBW and dynamic white light versions.

The system can be supplied in any length up to 2.5 mtrs with the smallest cutting module based on a 50 mm LED pitch.

Integral DC to DC LV drivers with a remote power supply, or a line voltage version is also available.

Up to 5,500 Lumens per mtr

Blewberry Church, UK. Lighting design by Studio Melyn. Photography by Red Shift

Euclid 40 side feed

Euclid 40 end feed

40

RADIANT

32

48

Variable length based on a 100mm module length
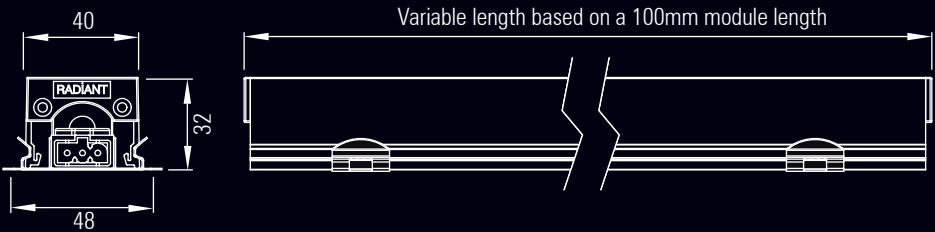
Euclid 40 IP20 with lenses

LED linear lighting system

The Radiant Euclid 40 system has been developed for use in a wide variety of linear direct and accent lighting applications including wall grazing, and wall washing. Very narrow lenses provide excellent wall grazing over long distances. The profile and light output of the Euclid 40 matches the lens version of the 3D LED Flex 40 so that they can be used in the same project to light linear and curved surfaces. Anti-glare louvres from the 3D LED Flex 40 can also be used with the Euclid 40.

The self-locking adjustable angle bracket allows precise aiming from the front.

Integral DC to DC LV drivers with a remote power supply, or a line voltage version is also available

The system can be supplied in any length up to 2.5 mtrs with the smallest cutting module based on a 100 mm LED pitch.

Up to 5,000 Lumens per mtr

Variable length to order based on 100 mm module length

41

41

Turn Allen Key to adjust angle

Adjustable angle mounting bracket

73

68

0° - 20°

Euclid 40 IP65 Standard and High Output

Exterior LED linear lighting system

The Euclid 40 IP65 system has been developed for use in exterior indirect linear lighting applications.

The system incorporates DC to DC linear 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 4,700 lumens per mtr.

The extruded heat sink profile design allows end, side or back power entry. The LED pitch is maintained between the individual luminaires to maintain constant lighting levels without dark areas.

The system can be supplied in any length up to 2.5 mtrs with the smallest cutting module based on a 100 mm LED pitch.

Up to 4,700 Lumens per mtr

Variable length to order based on 100mm module
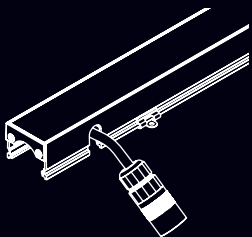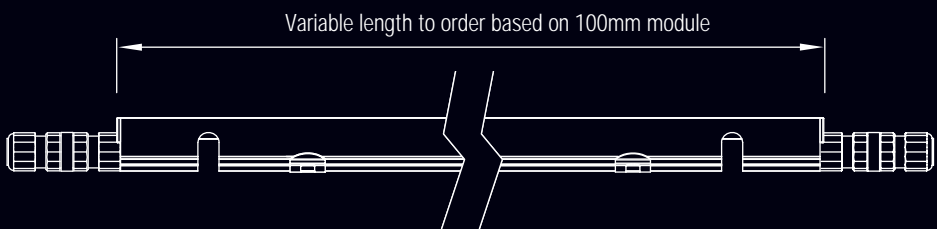
Side entry power feed option
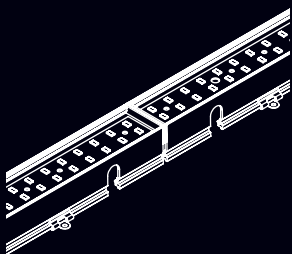
Continuous LED pitch across strips

32

51
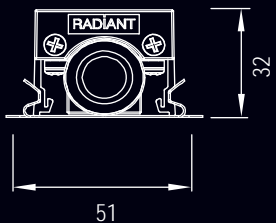
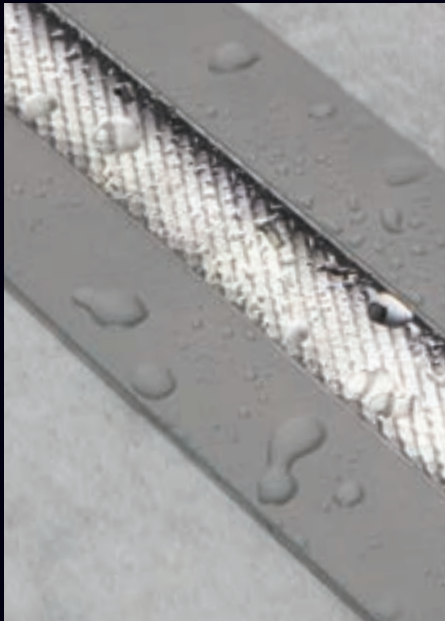Swindon Designer Outlet, UK. Architecture by McLaren & POD. Lighting design by Aecom

Euclid 60 IP65

Exterior LED linear lighting system

The Euclid 60 system has been developed for use in exterior linear lighting applications including wall grazing and wall washing. The system incorporates mains voltage dimmable drivers.

Side, back and end power feed options ensure continuous lighting without dark areas between luminaires.

The system can be supplied in custom lengths based on a 100 mm module up to 2.5 mtrs.

A variety of mounting bracket and glare control options are available including both micro and honeycomb louvres.

The system can be supplied in any RAL colour powder coat finish.

Up to 6,000 Lumens per mtr

Micro louvre for glare control

Honeycomb louvre for glare control

Side power feed

Back power feed (power feed through end-cap is also an available option)

Side or back cable entry box:

63
65

Variable length to order based on 100mm module

89

L - bracket:

109
3°
68
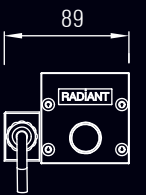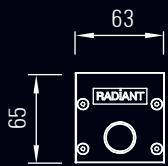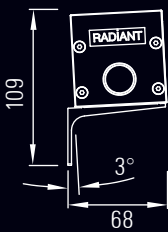
Adjustable mounting bracket:
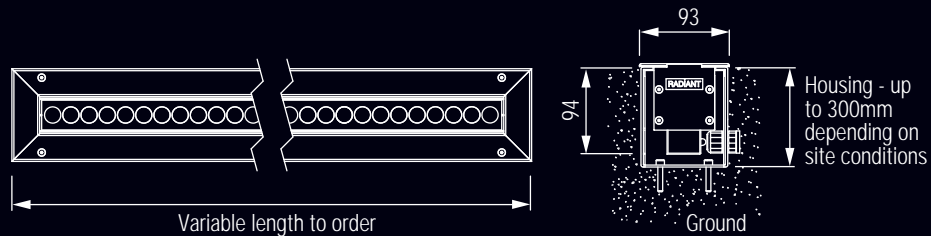
153
0°-20°
100

T - bracket:

70
100
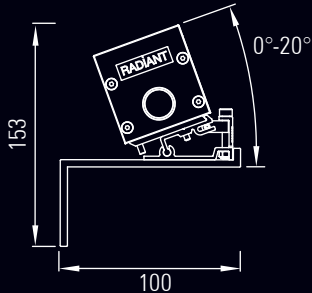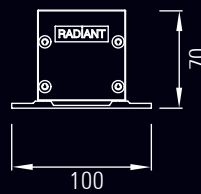
Euclid 60 IP68 In-Ground

Buried LED linear lighting system IP68

The Euclid 60 system has been developed for use in exterior wall grazing lighting applications.

The high power optical system has been developed to produce an ultra narrow, dot free, line of light. Dark areas between luminaires are minimised with an innovative frame detail.

A variety of anti-glare materials can be incorporated including a linear micro louvre and honeycomb louvre panels.

Variable length to order

93

94

RADIANT

Housing - up to 300mm depending on site conditions

Ground

Honeycomb louvre for glare control

Micro louvre for glare control

Up to 6,000 Lumens per mtr

Euclid 80 IP65

RGBW LED linear lighting system IP65

The Euclid 80 system has been developed for use in high power exterior linear RGBW architectural lighting applications including wall grazing and wall washing.

This system incorporates highly efficient colour blending Gaggione lenses giving high levels of RGBW, dynamic white or white LED output.

Integral or remote mains DMX / DALI drivers can be used.

The system can be supplied in custom lengths based on a 200 mm module up to 2.5 mtrs. A variety of mounting bracket and glare control options are available.

The Euclid 80 system can be supplied in any RAL colour powder coat finish.

Up to 8,000 Lumens per mtr

End power feed

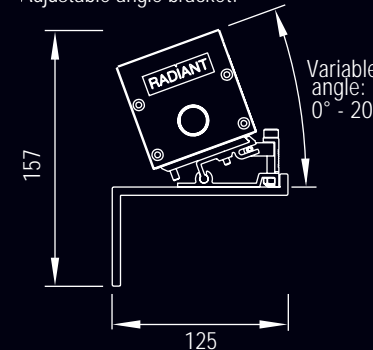Side power feed (back power feed option also available)
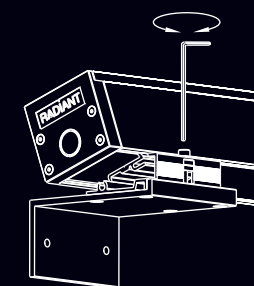

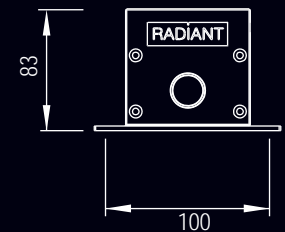Adjustable angle bracket
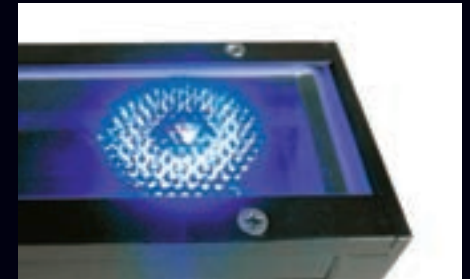
Anti-glare honeycomb louvre

80

80

Variable length based on 100mm module

Adjustable angle bracket:

157

125

Variable angle: 0° - 20°
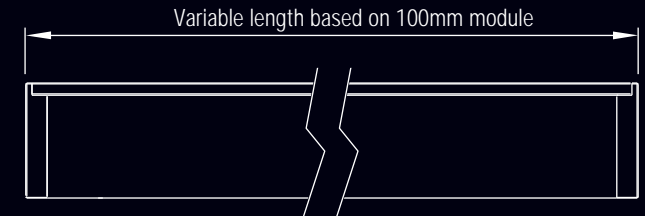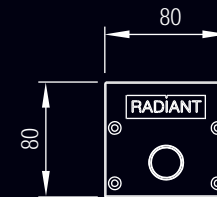
Turn Allen Key to adjust angle

Fixed mounting bracket:

83

100

Euclid 100 IP65

Exterior LED linear lighting system IP65

The Euclid 100 system is the most powerful linear system in the range and has been developed for use in exterior linear high output architectural lighting applications including wall grazing and wall washing.

This system incorporates 2 lines of light engines with optics. By combining elliptical and wider beam angle lenses in the same luminaire tall facades can be evenly lit.

The system incorporates dimmable line voltage drivers.

The system can be supplied in custom lengths based on a 200 mm module up to 2.5 mtrs.
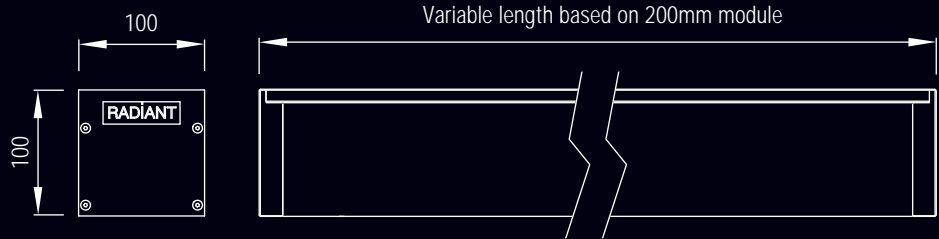
Up to 11,000 Lumens per mtr

Newfoundland Tower, London. Lighting design by MBLD

End power feed

Side power feed (back power feed option also available)

100

100

Variable length based on 200mm module

Tube Light

Exterior linear lighting system IP65

The 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 can incorporate a wide variety of LED light engines with white or RGBW LED arrays.

LED drivers can be located within the luminaire and remote driver versions are also available for high ambient conditions and for 360 degree output types.

The outer extruded UV resistant hard coated polycarbonate tube is available in both clear and frosted finishes.

Surface mounting brackets, a pendant suspension kit and custom mounting options.

The surface mounting brackets allow rotation enabling wall grazing and washing effects.

Up to 3,000 Lumens per mtr
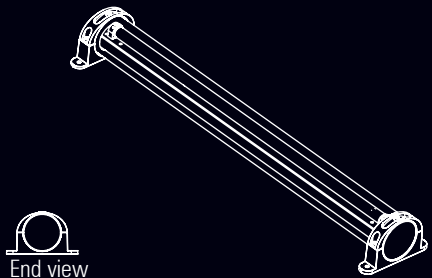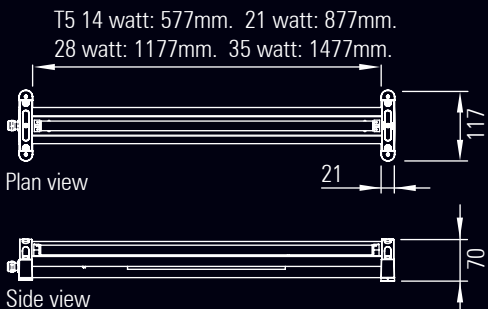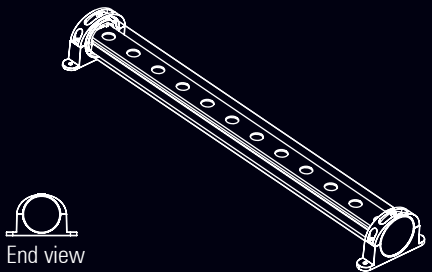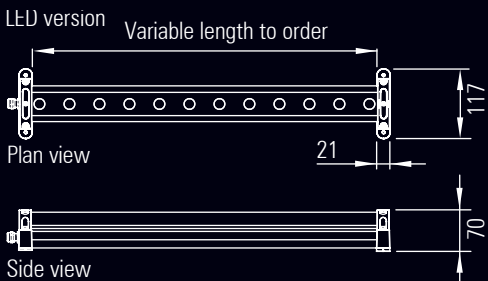

Double ended T5 fluorescent version

Multi LED version

Single ended PLL fluorescent version pendant

LED RGB or RGBW clear version

LED version

Variable length to order

117

Plan view

21

Side view

70

End view

T5 14 watt: 577mm. 21 watt: 877mm.
28 watt: 1177mm. 35 watt: 1477mm.

117

Plan view

21

Side view

70

End view

Light Pipe

RGBW LED linear lighting tube system

The Light Pipe system was developed with our Swedish distributor Rebel Light as a custom design for an atrium lighting project in Stockholm.

Long runs of linked high power RGBW light engines illuminate the sections of frosted acrylic diffuser.

A structural spine heat sink incorporates plug and play cable management for the light engines for ease of installation and servicing.

The system can incorporate a wide variety of LED light engines with white, dynamic white or RGBW LED arrays.
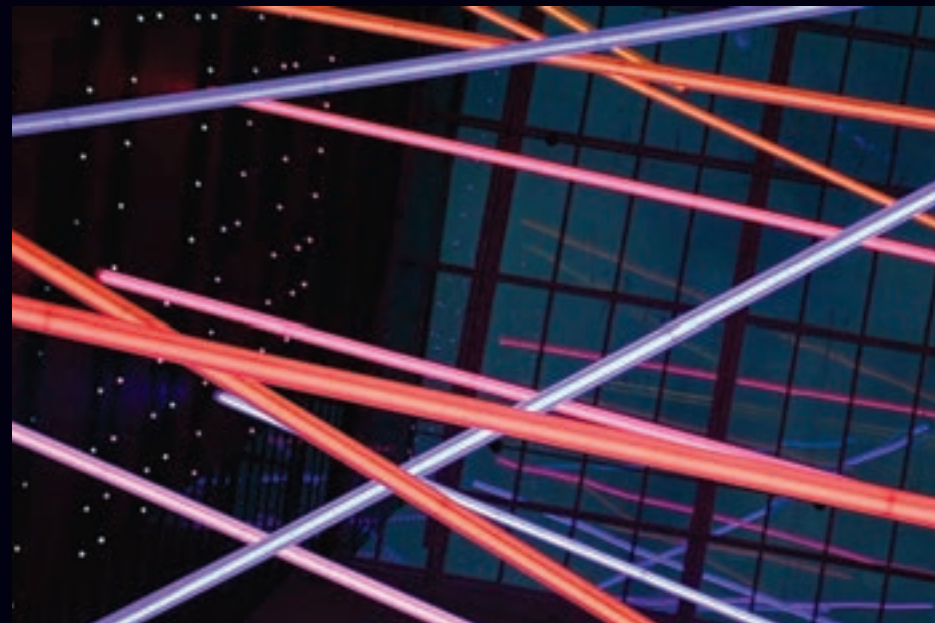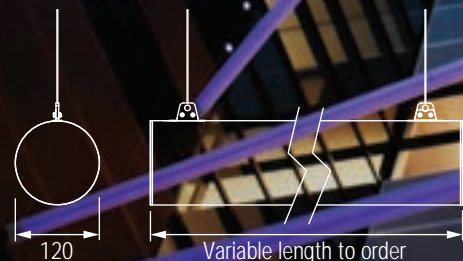
Telia headquarters, Sweden. Lighting design by ÅF Lighting

120

Variable length to order

74

75
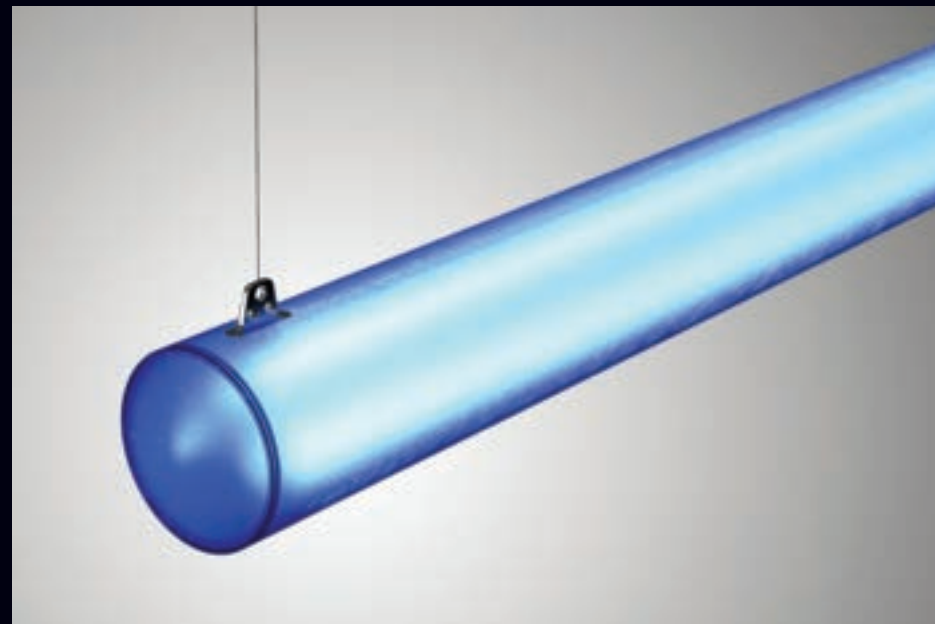
Micro Track System

The Radiant LED Micro Track is one of the smallest section low voltage track systems available and is designed for use in retail display, museums and residential lighting applications.

The range of dimmable miniature spotlights can be fitted with a wide range of anti-glare and light control accessories.

The light output from the Radiant LED spotlight range contains very little heat or UV. The system is ideal for the illumination of sensitive materials.

Nano LED Spotlight. Up to 2.5 Watts

Drum LED Spotlight. Up to 1.8 Watts

Cone LED Micro Spotlight. Up to 4.5 Watts

Ribbed LED Micro Spotlight. Up to 4.5 Watts

Mini LED Spotlight. Up to 6.5 Watts

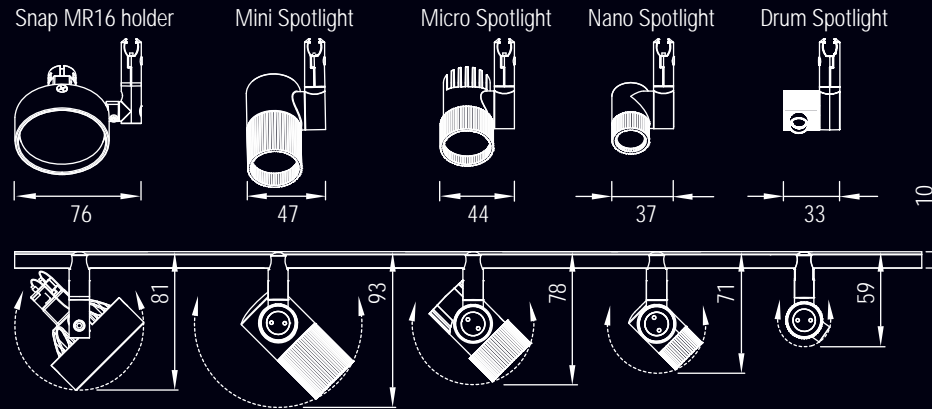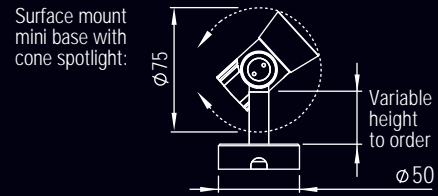MR16 LED Snap Spotlight. Up to 8 Watts

Micro Spotlight on 50mm surface mount base

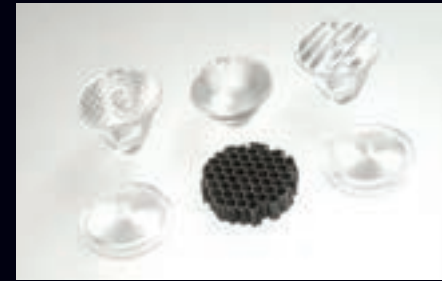Micro Spotlight on 70mm surface mount base

Micro Track System

Surface mount mini base with cone spotlight:

⌀75

Variable height to order

⌀50

Snap MR16 holder	Mini Spotlight	Micro Spotlight	Nano Spotlight	Drum Spotlight
76	47	44	37	33

81   93   78   71   59   10

Harrods department store, London. Lighting design by BDP

Custom curved track and rings

End cap and fixing clip with black and chrome track
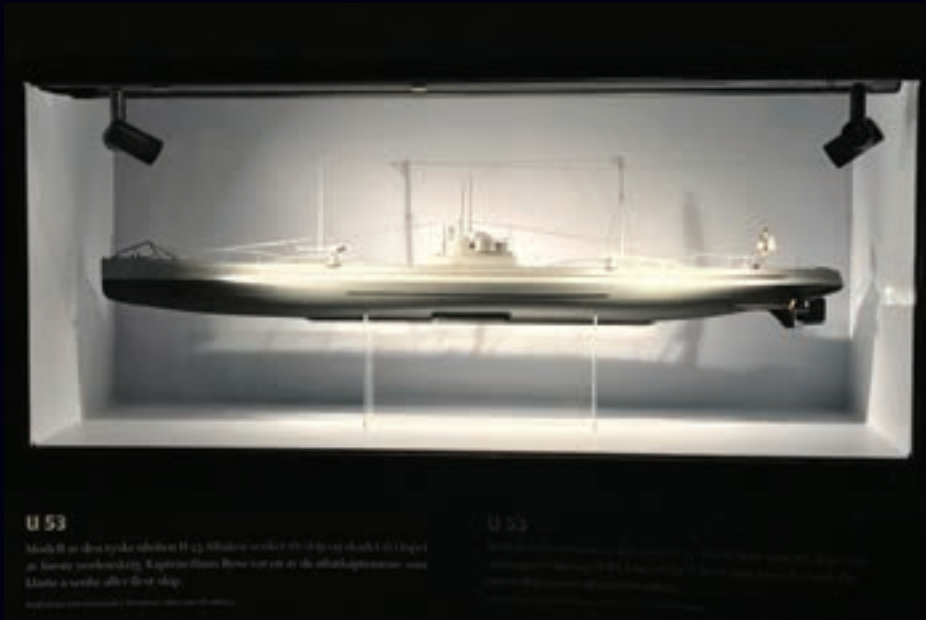
Various lenses and honeycomb louvre

In-line connectors
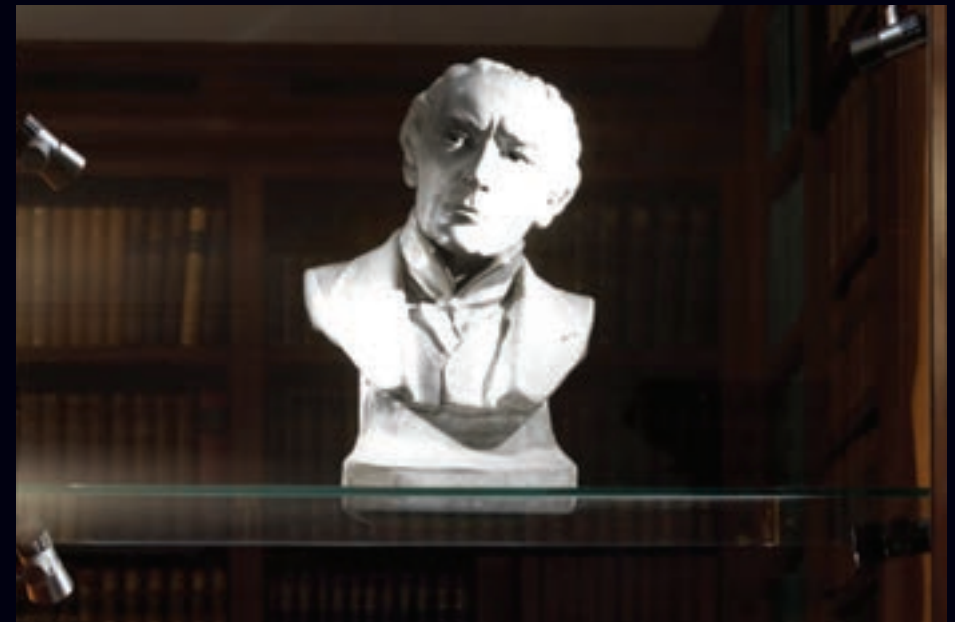
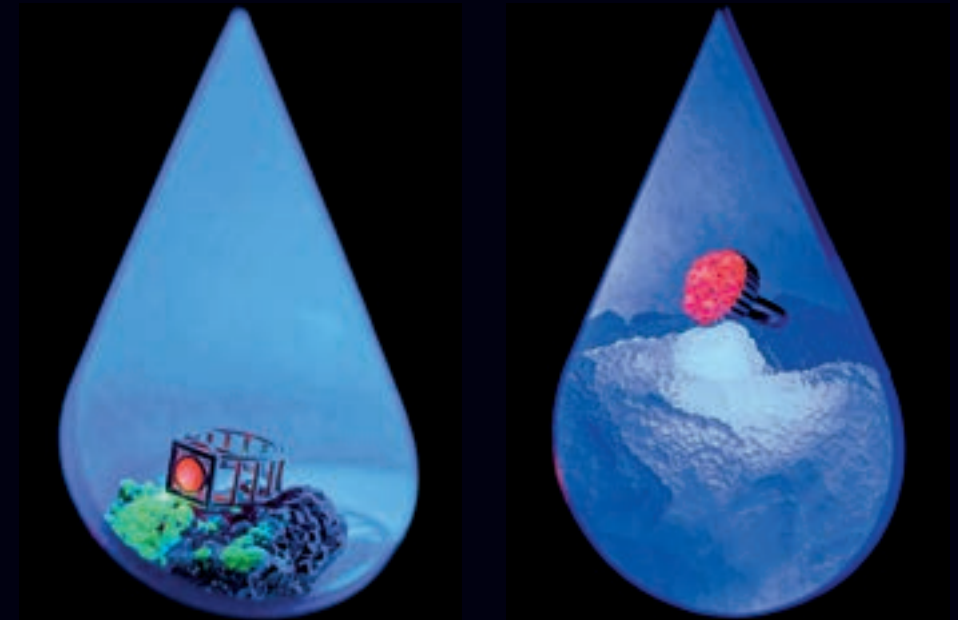Garrick Club, London. Lighting design by BDP

Norway Submarine Museum, Oslo. Nano spotlights on Micro Track. Lighting design by Rebel Light AB

UV Nano spotlight with UV LED, narrow beam UV lens and UV pass filter

Louisa Guinness gallery, London. Glow by Cora Sheibani. Jewels with Fluorescence - with UV Nano Spotlights

Micro Egg Pendant

Interior LED pendant system

The Micro Egg Pendant is designed for use in retail, hospitality and residential projects. It is a technical lighting product in a decorative housing. Despite its tiny size it can produce up to 200 Lumens.

A range of TIR optics and a customisable 2W LED light engine allow lighting designers to achieve highly controlled lighting effects. Dim to warm and very low colour temperature LED options are available.

Any anodized or RAL powder coat finish and a range of decorative cable options are available.

Either a LV Micro Track or a surface mount base can be used.

A medium and large size pendant are also available which can be fitted with a range of anti-glare and light control accessories.

The light output contains very little heat or UV. The system is therefore ideal for the illumination of sensitive materials.

Ø50

45

Ø40
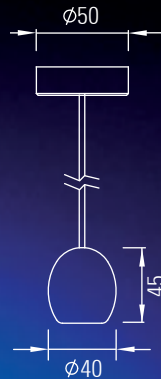
Up to 250 Lumens per pendant
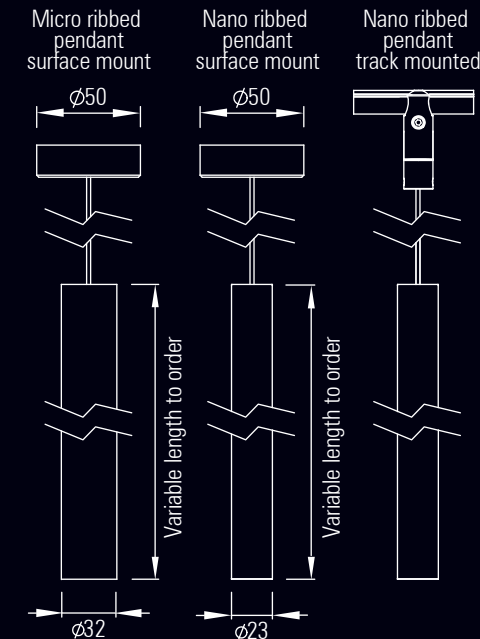
Micro and Nano Ribbed Pendants

Interior LED pendant system

The Ribbed Pendant range incorporates the same optics and LV DC to DC dimmable drivers as the Micro Track spotlight range so they can be used together in the same projects.

2 diameters and custom lengths with any anodized or powder coat colour finish.

A range of decorative cables are available.

Designed for use in hospitality, retail, residential and architectural lighting applications.

Micro ribbed pendant surface mount

Ø50

Ø32

Variable length to order

Nano ribbed pendant surface mount

Ø50

Ø23

Variable length to order

Nano ribbed pendant track mounted

Magnetic Low Voltage Track

Interior magnetic LV track and spotlight system

The magnetic track system allows very easy installation and movement of the Radiant LED spotlight range.

Separate track circuits for low voltage power and dimming ensures excellent dimming control with all protocols.
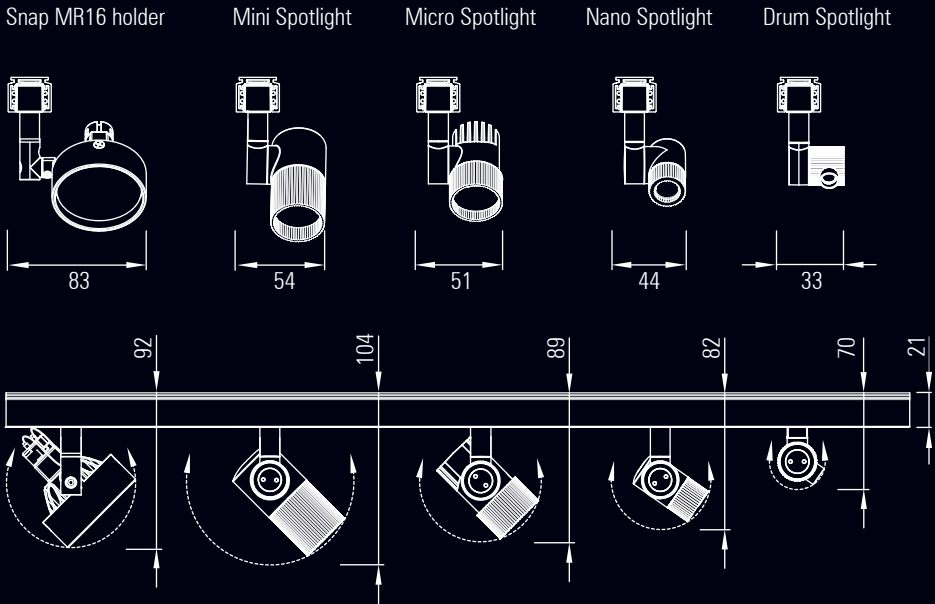
Ideal for retail, museum and hospitality lighting applications where luminaires need to be re-positioned on a regular basis without specialist technical help.

Magnetic track with Drum Spotlight

Magnetic track with Nano Spotlight

Magnetic track with Micro Spotlight

| Snap MR16 holder	Mini Spotlight	Micro Spotlight	Nano Spotlight	Drum Spotlight
83	54	51	44	33

92   104   89   82   70   21

RAD Track 4

Interior LV track and LED spotlight system

The Radiant RAD Track 4 is a slim profile low voltage track with separate circuits for low voltage power and dimming which ensures excellent dimming control with all protocols.

A range of high power LED spotlights can be fitted to the track with a DC to DC constant current driver housed in each track adapter. This allows manual dimming in conjunction with remote dimming with DMX, DALI or 1 - 10V.

The spotlight range available for the RAD Track 4 include the SLE 30 Spotlight with Soraa light engine and the D100 Spotlight with 10 Watt Citizen COB. A wide variety of optics and anti-glare accessories including honeycomb louvres can be incorporated in this range.

Ideal for use in museum, gallery and retail lighting applications where a low profile is required combined with high output, excellent light quality and beam control.
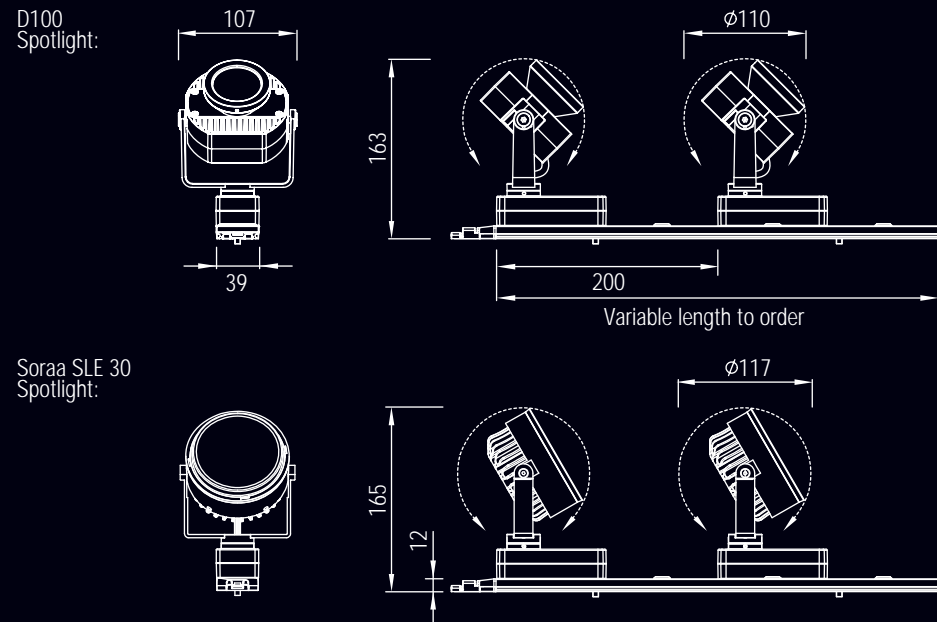
RAD Track 4 with D100 Spotlight

D100 Spotlight:

107

39

163

Ø110

200

Variable length to order

Soraa SLE 30 Spotlight:

165

12

Ø117
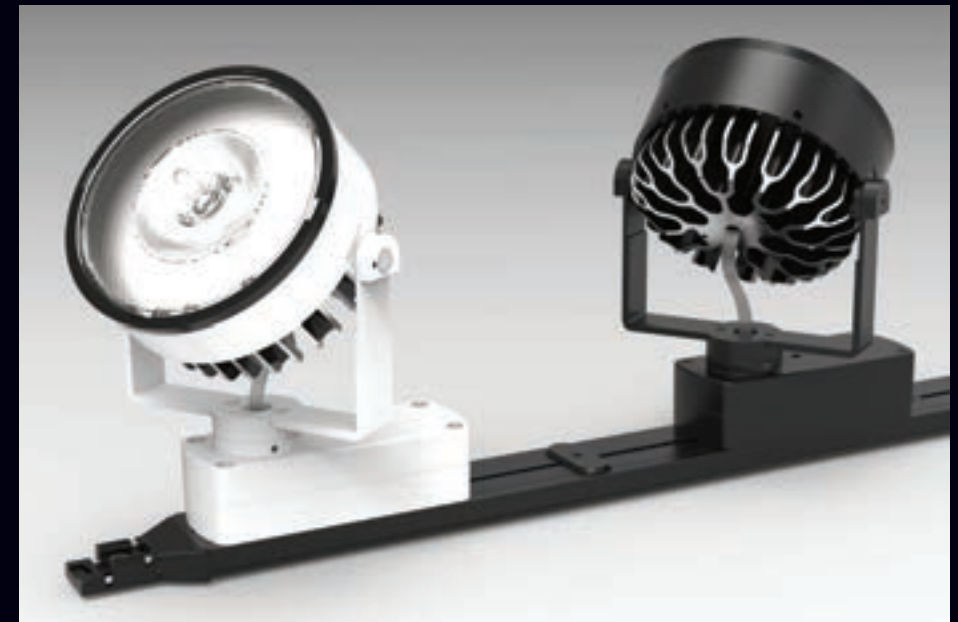
RAD Track 4 with Soraa SLE 30 Spotlights

Global Track

Line voltage three circuit track and LED spotlight system

The popular line voltage Global Track System is ideal for use in retail and gallery display applications. The range of Radiant LED spotlights mounted on the low profile track adapter with integral drivers provides a flexible and elegant solution.

The Spotlight ranges available for the Global track includes the SLE 30 Spotlight with Soraa light engine and the D100 Spotlight with 11 Watt Citizen COB. A wide variety of optics and anti-glare accessories including honeycomb louvres can be incorporated in this range.

D100 Spotlight:

Track box: 235mm

168

ø110

Soraa SLE 30 Spotlight:

Track: Variable length to order

170

ø117
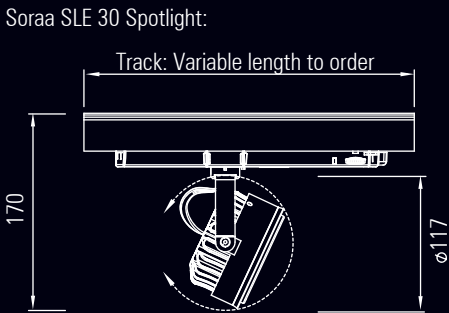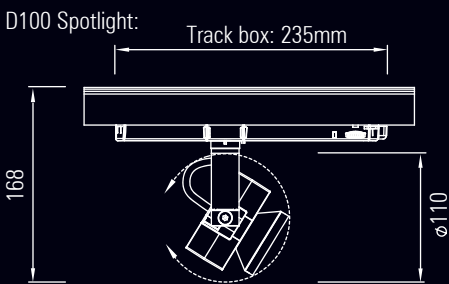
Global Track with D100 Spotlight

Global Track with Soraa MR16 spotlight

Global Track with Soraa SLE 30 Spotlight


Global Track with Aleta 25 Watt Spotlight

D100 IP20
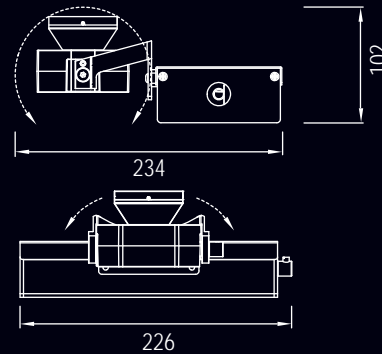
LED spotlight range IP20

The D100 range was originally developed for use in the relighting of Hereford Cathedral in conjunction with Light Perceptions. A low profile and excellent glare control were required for this project to ensure that the spotlights were as invisible as possible. There are integral and remote driver versions with one, two or three spotlights per luminaire. A wide variety of anti-glare, beam control and colour filter accessories are available. Fully lockable in both axes.

Up to 1,000 Lumens per spotlight

Remote driver version:

107

130

130

Integral driver version:

102

234

226

Hereford Cathedral, UK. Lighting design by Light Perceptions
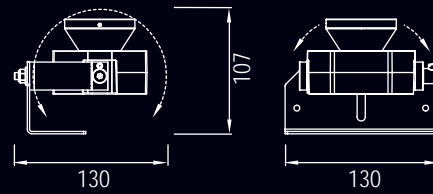
D100 IP20 integral driver version with two spotlight heads

D100 IP20 Split RGB

LED spotlight range IP20 with seperate RGB spotlights

A custom version of the D100 Spotlight IP20 was designed in collaboration with Fabio A P Cristini at There's Light to create a triple colour shadow effect for the BLOK Shoreditch gym in London.

Three spotlight heads, each with different colour LEDs, are mounted to a driver box. Each one comprises 4 x high power LEDs with elliptical Ledil Tina lenses. They can be run at up to 11 Watts each.

Objects which are placed in front of them cast a 3 colour shadow onto the wall behind.


BLOK Shoreditch gym, London.
Lighting design by Fabio A P Cristini at There's Light

D100 IP65

LED spotlight range IP65

The D100 IP65 Spotlight range has been developed for use in architectural, landscape and garden lighting applications where powerful, highly controlled lighting effects are required from a low profile luminaire. Both integral LV DC to DC driver and remote AC to DC driver versions are available. The system is fully lockable in both axes. A wide variety of mounting options and glare control accessories are available for this system.

Ø126

113

136
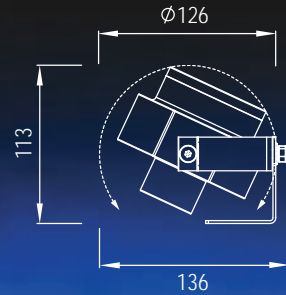
Up to 1,000 Lumens per Spotlight

D200 IP66 projector

Ultra narrow high power LED projector

The D200 range incorporates an ultra narrow colour mixing Gaggione lens that works with high power light engines to produce intense beams of light for exterior accent lighting applications. Up to 2,000 lumens with an integral mains voltage driver. RGBWW, tuneable white and white light options are available, along with a wide variety of mounting options.

Ø199

230
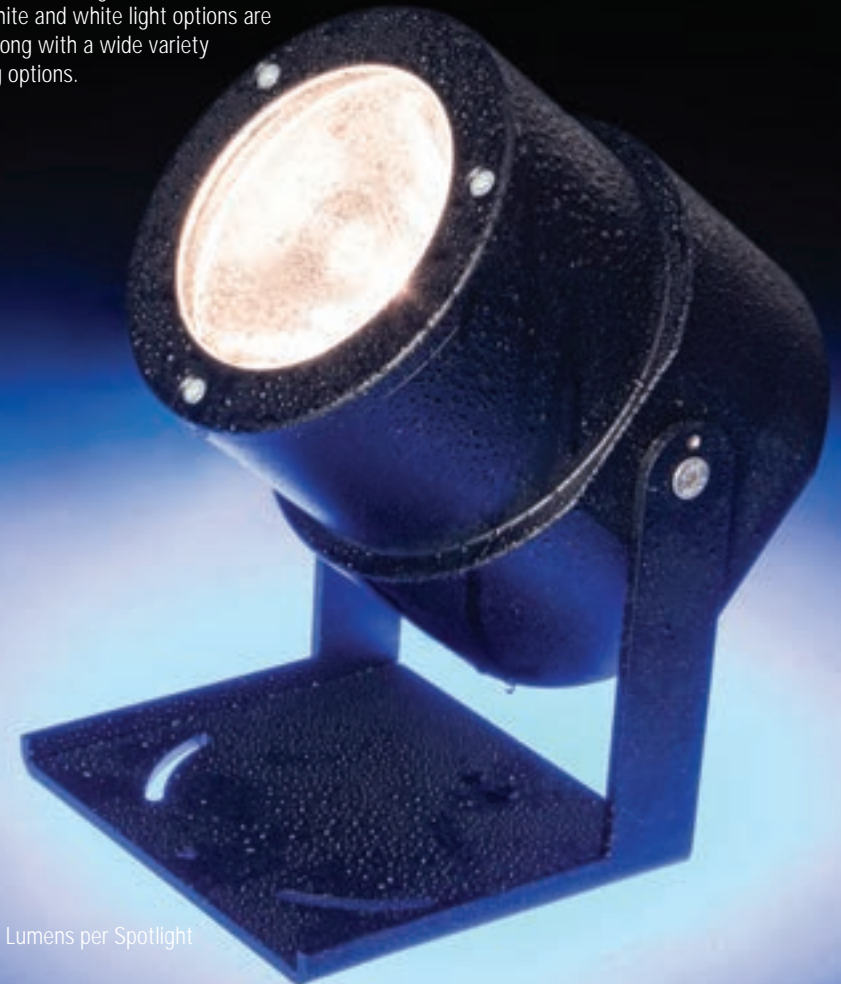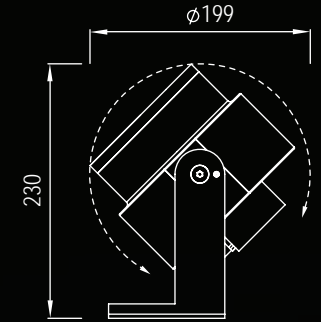
Up to 2,000 Lumens per Spotlight

RAD 250 IP68

Buried and submersible uplights

Regent's Place, London, RIBA award winner
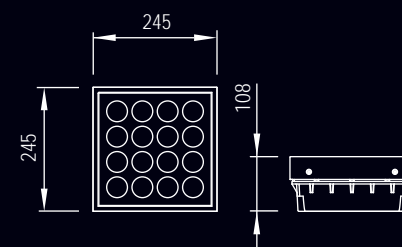Lighting design by MBLD, Architects Carmody Groarke
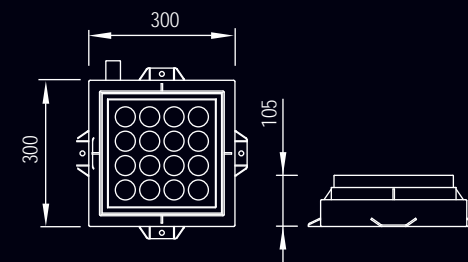
Up to 3,000 Lumens per uplight

Regent's Place detail

RAD 250 buried uplight IP68 with 16 x high power LEDs with lenses

RAD 250 submersible uplight IP68 with 16 x high power LEDs with lenses

245
245
108

300
300
105

Water Effect Lighting system

DMX controlled, dynamic LED effect light, IP20 and IP65

The Water Effect system was developed with ÅF Lighting for the Landmarket residential tower block project in Stockholm.

The surface mounted luminaires create a slowly changing effect of light reflected from flowing water.

A wide range of LED colour temperatures and coloured LED options can be incorporated in this system. Combining multiple LEDs with different textured glass panels and a 4 channel DMX controller creates unique lighting effects which can be customized for each project.

Light output up to 1,900 lumens with all LEDs on full power.

The system is available in IP20 and IP65 versions and the enclosures can be powder coated in any RAL finish.

There are currently two sizes available: a 150mm length version and a 300mm length version.

155

165

300

165

Water Effect Light 150. Linear prismatic effect

Landmärket residential tower, Stockholm. Luminaire concept and lighting design by ÅF Lighting

# Water Effect In-ground RAD 250 WE and RAD 180 WE

DMX controlled, dynamic LED effect luminaire IP65, IP66, IP67 and IP68

The in-ground version of the Water Effect system has developed the concept to a higher power level with multiple groups of LEDs and DMX control channels.

Combining a variety of LED colour temperatures and colours with textured glass and complex dimming sequences creates abstract light patterns that can be customized for each project.

The luminaire is durable with a walk over rated glass window, provides up to 3,500 lumens and since there are no moving parts, will provide a long working life.

A smaller version with a 180 mm diameter is also available.

Ø 255

210

Up to 300mm depending on site conditions
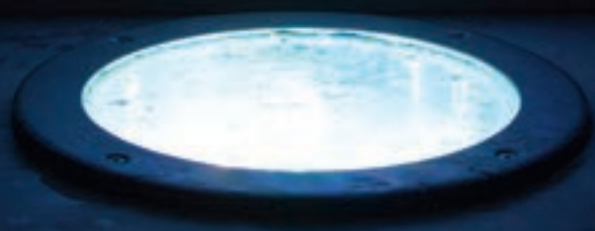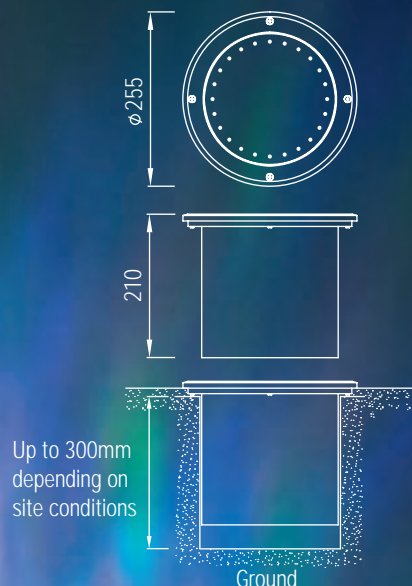
Ground

Water Effect Linear

DMX controlled, dynamic LED effect light, IP20, IP66 and IP68

The linear in-ground version of the Water Effect system illustrated here utilises multiple LED groups and DMX channels combined with a custom linear prismatic optic to create gently changing sequences of light rays.

The system can be supplied for use in interior indirect cove lighting applications in an IP20 enclosure or in an IP rated enclosure for exterior wall washing.

Variable length to order

150

109
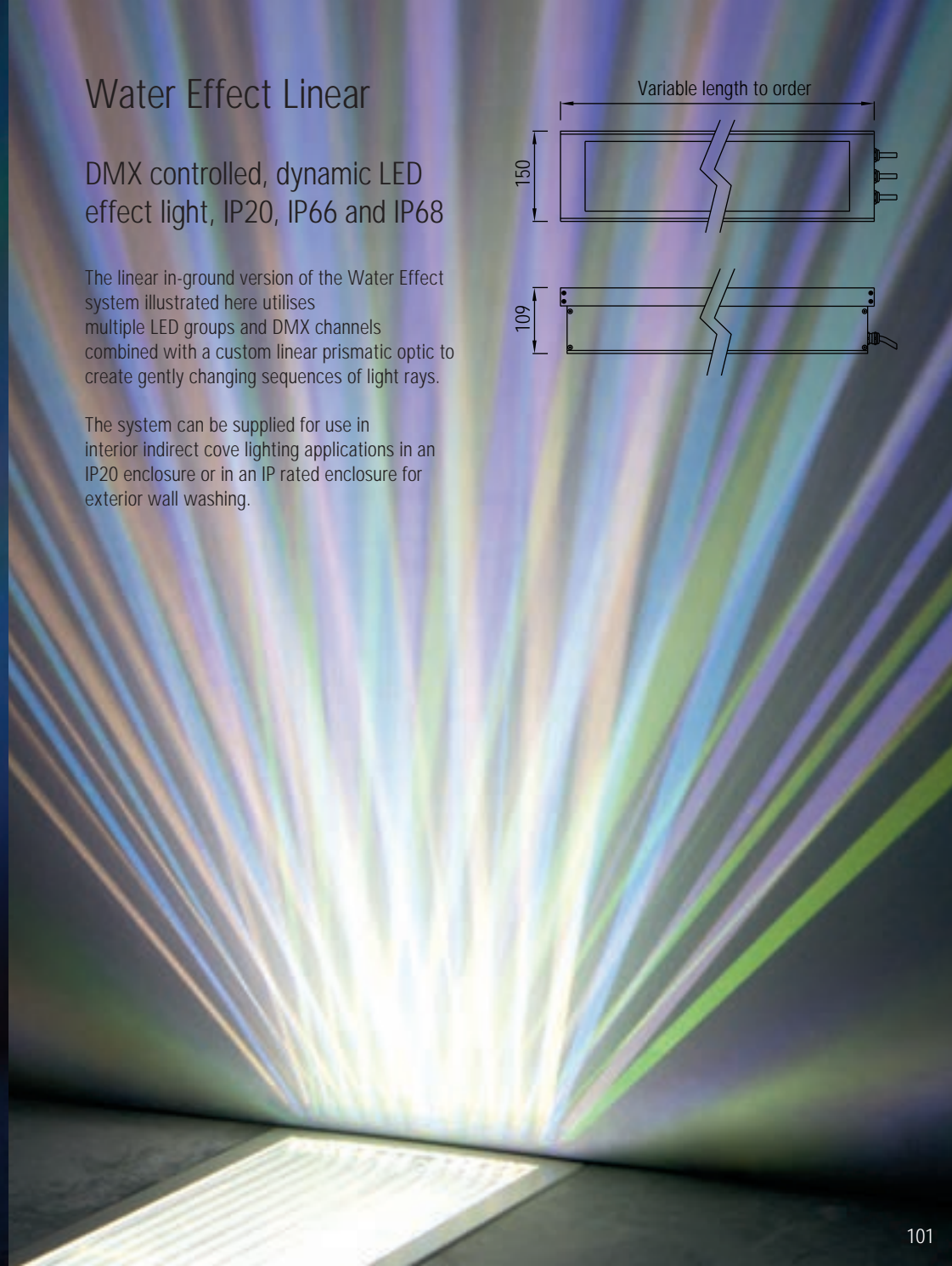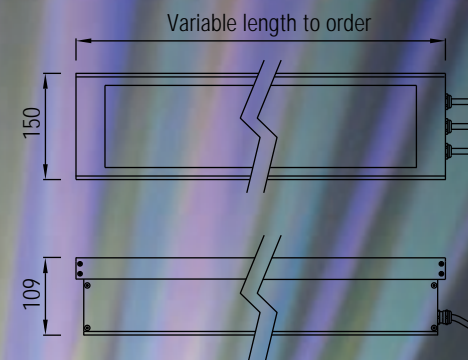
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