RADIANT

ARCHITECTURAL LIGHTING

2018

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ARCHITECTURAL LIGHTING

Established in 2008 in London, Radiant Architectural Lighting provides innovative 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 manufactured 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.
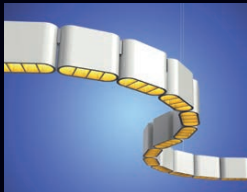
Radiant has worked with leading designers on a plethora of high profile global projects including the award-winning Strasbourg Cathedral, Zaha Hadid designed Heydar Aliyev Centre, Burberry, Ritz Hotel Paris, Harrods, Dior stores and Heathrow Airport.

Guide

3D LED Flex Range

The Radiant 3D LED Flex system has developed from a custom solution for the Zaha Hadid designed Heydar Aliyev Centre 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 - able to follow complex, non-linear building surfaces

- Three sizes, for small medium and large scale projects. Up to 8,000 lumens per mtr from the 100 size down to 2,500 lumens per mtr from the 25.

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

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

- Wide range of bracketry and anti-glare accessories. Custom lengths to order based on a 100mm module length up to 2 mtrs.
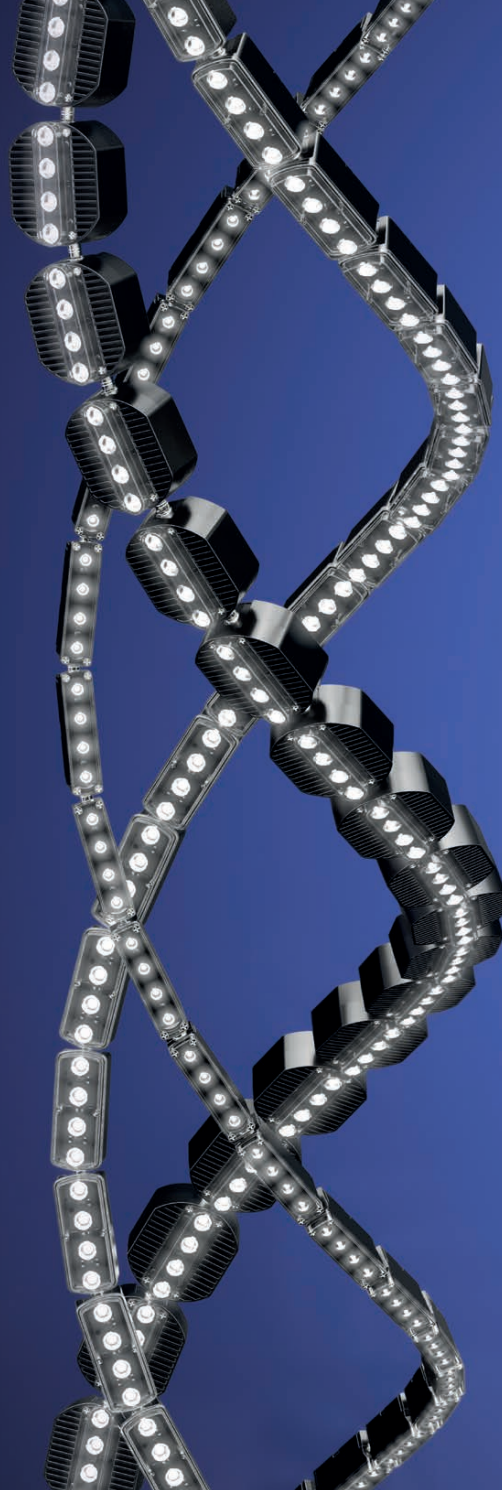
3D LED Flex Range
Modular system
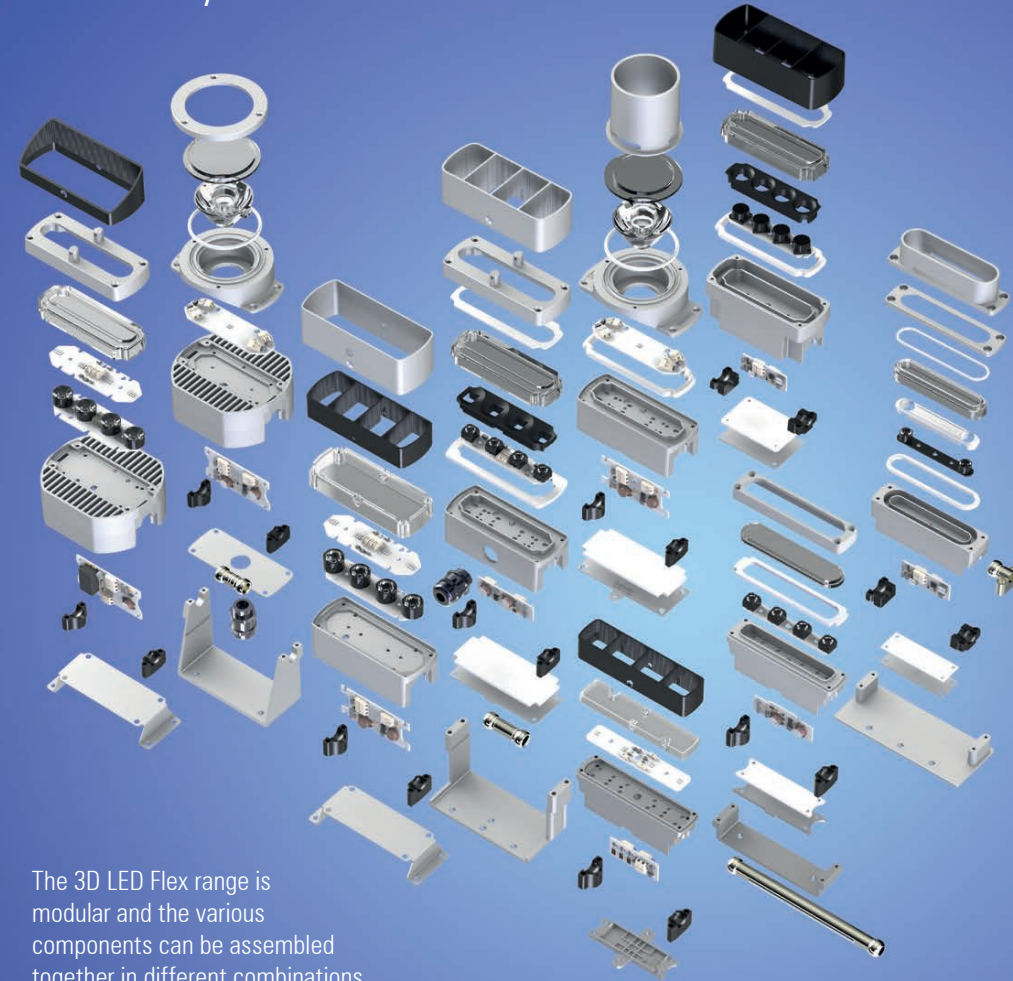
The 3D LED Flex range is modular and the various components can be assembled together in different combinations to meet project requirements.

Components such as anti-glare snoots or brackets can be customized for each project.

We are continuously developing new components for the system as the scope of our projects expands.

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 Zaha Hadid designed Heydar Aliyev Centre project to provide all 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 25 mm spacing between LEDs, thus ensuring continuous lit effects without shadows or dark areas.

Each LED heat sink module can operate up to 10 Watts of LEDs giving a light output of over 8,000 lumens per mtr.

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

Lumens per mtr

0   1000 2000 3000 4000 5000 6000 7000
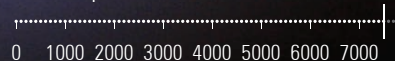
Heydar Aliyev Centre
Architect Zaha Hadid Associates
Lighting design MBLD

Burberry store, Regent Street, London. Lighting design by Russell Lipscombe
The McEwan Hall, University of Edinburgh. Lighting design by Buro Happold

28 x 0.3 Watt medium power LEDs with white reflector

4 x Cree XPE LEDs with lenses

Xicato XTM LEDs without optics
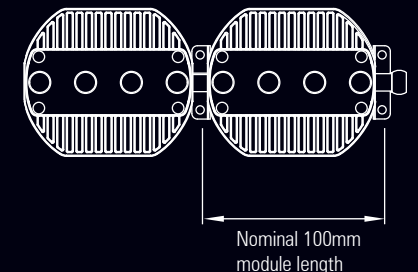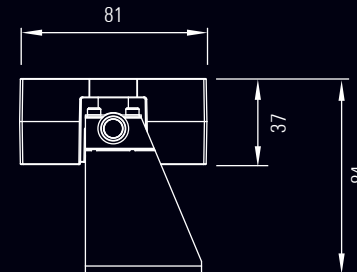

1 x 8.5 Watt COB LED array with reflector

8 Watt RGBW LED array with asymmetric reflector

8 Watt RGBW LED array with colour-blending lens

Standard module with adjustable angle bracket:

81

37

84

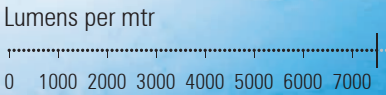

Nominal 100mm module length

10

11

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.

Lumens per mtr

0   1000 2000 3000 4000 5000 6000 7000

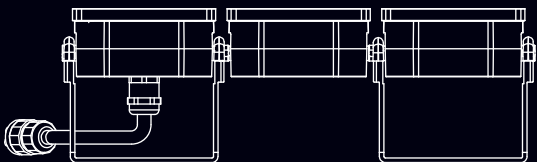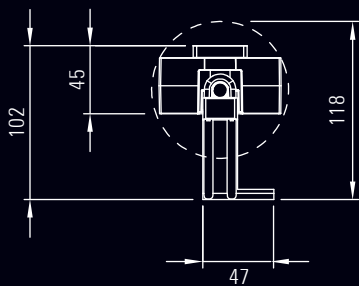Anti-glare snoot and adjustable angle brackets

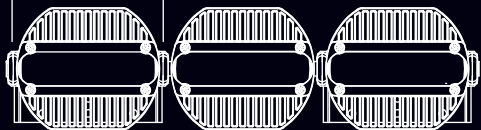Single module with lenses on adjustable angle bracket

RGBW version with Gaggione lenses

28 x 0.3 Watt medium power LEDs with white reflector

102

45

118

47

Nominal 100mm module length

Anti-glare snoot:

Variable height to order

Variable angle to order
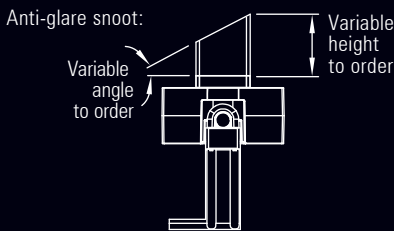
3D LED Flex 40 IP20

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 3,500 lumens per mtr depending on LED colour temperature and type.

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

Lumens per mtr

0   1000   2000   3000   4000   5000

RGBW IP20 version with 3000 K white LEDs and white reflector

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

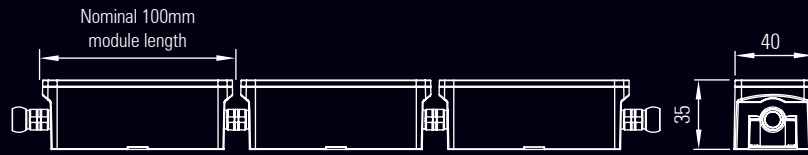Dorsett Hotel, Shepherds Bush, London. Lighting design by EQ2 Light
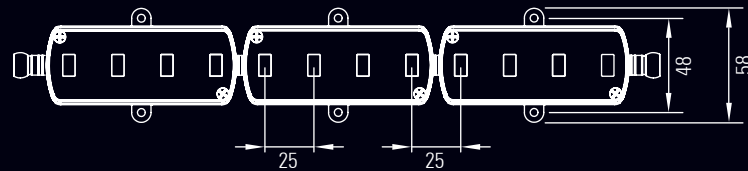

Church in Central London

Dior store in Centria Mall, Riyadh. Lighting design by Metis Lighting
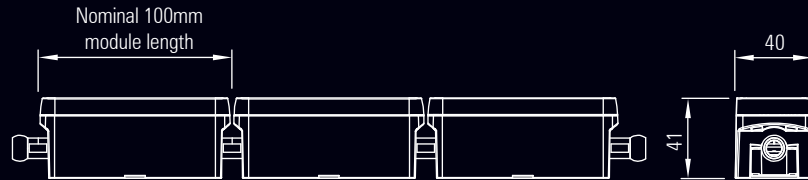
3D LED Flex 40 IP20 and IP66

Standard
IP20 version
Front view:

Nominal 100mm
module length

40

35

Standard
IP20 version
Plan view:

48

58

25   25

Standard
IP66 version
Front view:

Nominal 100mm
module length

40

41

Standard
IP20 version
with adjustable
angle bracket:

72

67
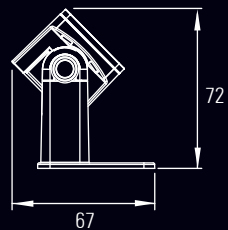
Standard
IP20 version,
anti-glare snoot:

Variable angle
to order

Variable
height
to order
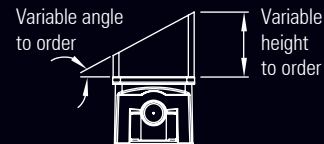
Standard IP20
modules -
minimum
bend radii:
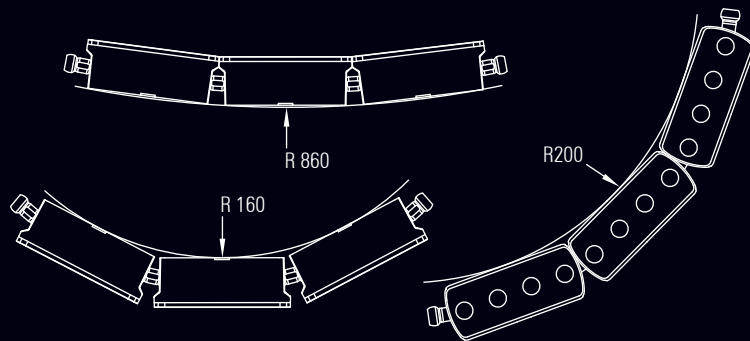
Custom ball-joints
and brackets
(to order) can give
different bend radii
where needed

R 860

R 160

R200
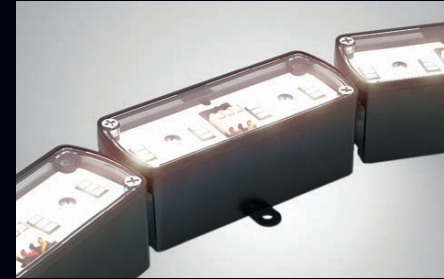
IP20 version with 8 or 12 x 0.3W LEDs per module

IP20 version with Cree XPE LEDs and lenses

IP20 version with two colour anti-glare louvre snoot

IP20 version - RGBW with white reflector

IP20 version with Gaggione colour mixing lenses

IP66 version with Gaggione lenses and snoot

IP66 version with 8 or 12 x 0.3 Watt LEDs per module

IP66 version with Cree XPE LEDs and lenses

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 up to 3,500 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.

Lumens per mtr

0   1000   2000   3000   4000   5000
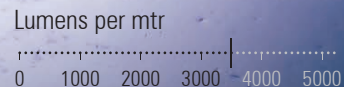
University of Edinburgh Old College dome
Lighting design by Nich Smith Lighting Design

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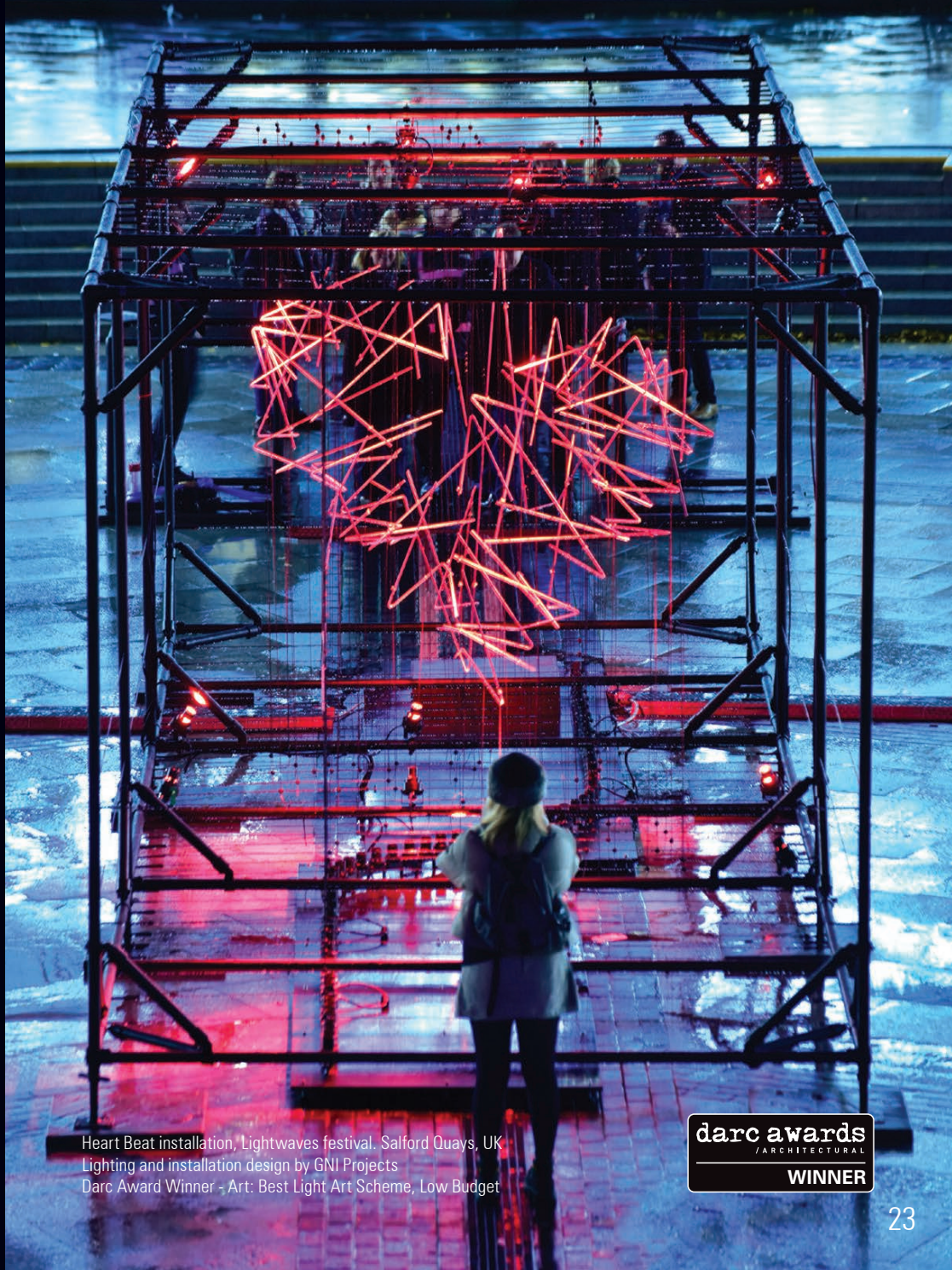
Heart Beat installation, Lightwaves festival. Salford Quays, UK
Lighting and installation design by GNI Projects
Darc Award Winner - Art: Best Light Art Scheme, Low Budget

darc awards
/ARCHITECTURAL
WINNER

3D LED Flex 40 System IP66, single modules with lenses and 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 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 3,000 lumens per mtr.

Lumens per mtr

0   1000   2000   3000   4000   5000

4 x Cree XPE LEDs and lenses
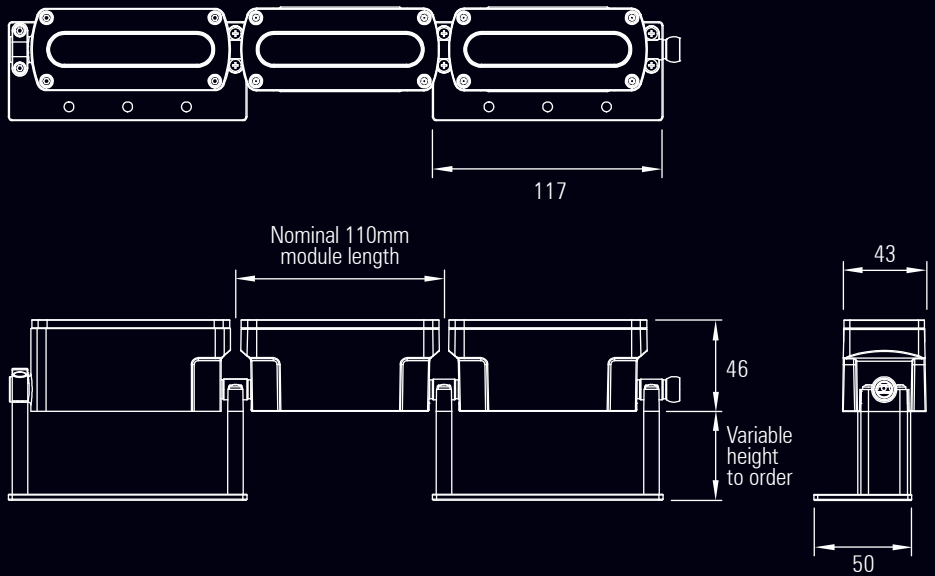
Anti-glare snoot and adjustable angle brackets

Single module on adjustable angle bracket

Cable connection between modules

Standard modules with adjustable angle brackets:

117

Nominal 110mm module length

46

Variable height to order

43

50

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 2,500 lumens per mtr.

Nominal 100mm module length

25

33

Lumens per mtr

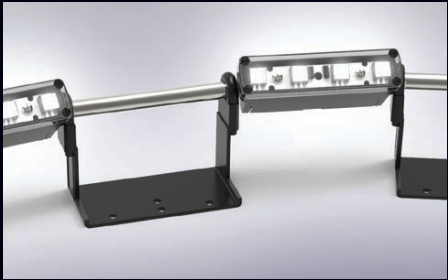0   1000   2000   3000   4000   5000

8 or 12 medium power LEDs per module

4 x Cree XPE LEDs with lenses

4 x Cree XPE LEDs with lenses and anti-glare snoot

Double spaced modules

MGM Macau, China. Lighting design by Berkin Lighting

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.
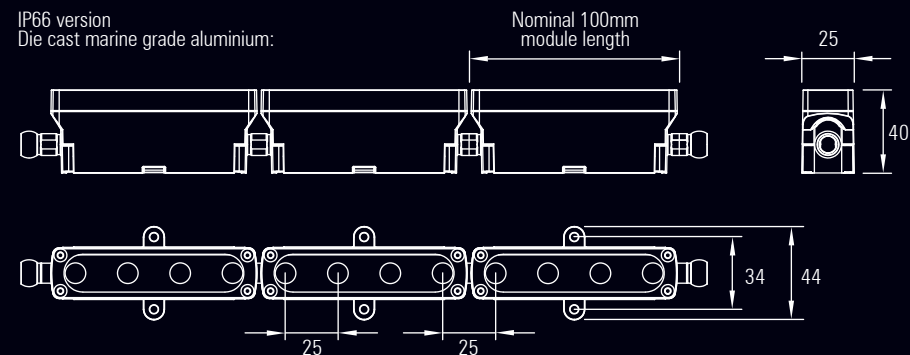
Lumens per mtr

0   1000   2000   3000   4000   5000
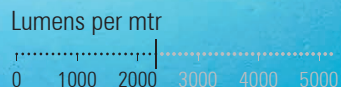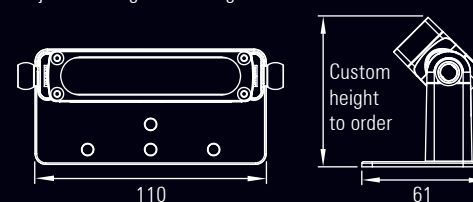
Lens version with 3 blade anti glare snoot

Lens version with fixed angle mounting brackets

IP66 version
Die cast marine grade aluminium:
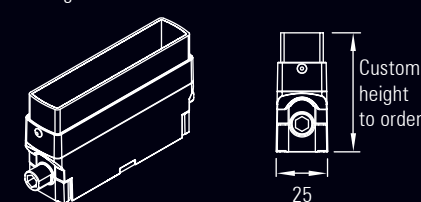
Nominal 100mm module length

25

40

34   44

25   25

Adjustable angle mounting bracket:

Custom height to order

110   61

Anti-glare snoot:

Custom height to order

25

Standard minimum bend radii:

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

R 1102

R 162

R 213
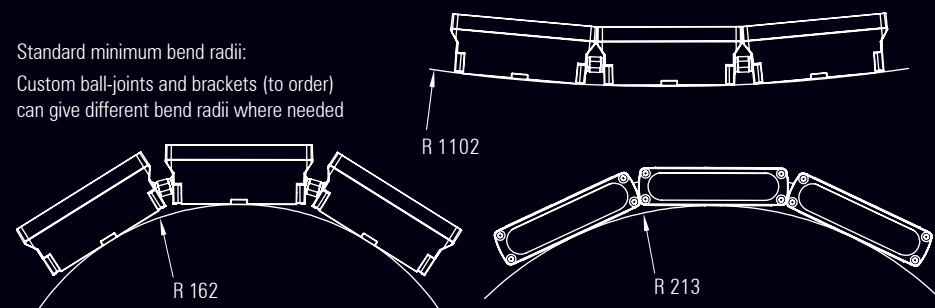
3D LED Flex 25 IP68

Modular IP68 3D flexible
LED linear lighting system

The Radiant 3D LED Flex 25 IP68 system is designed for use in 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 1,800 lumens per mtr.

25
33

Nominal 108mm
module length

54   54

Lumens per mtr

0   1000   2000   3000   4000   5000
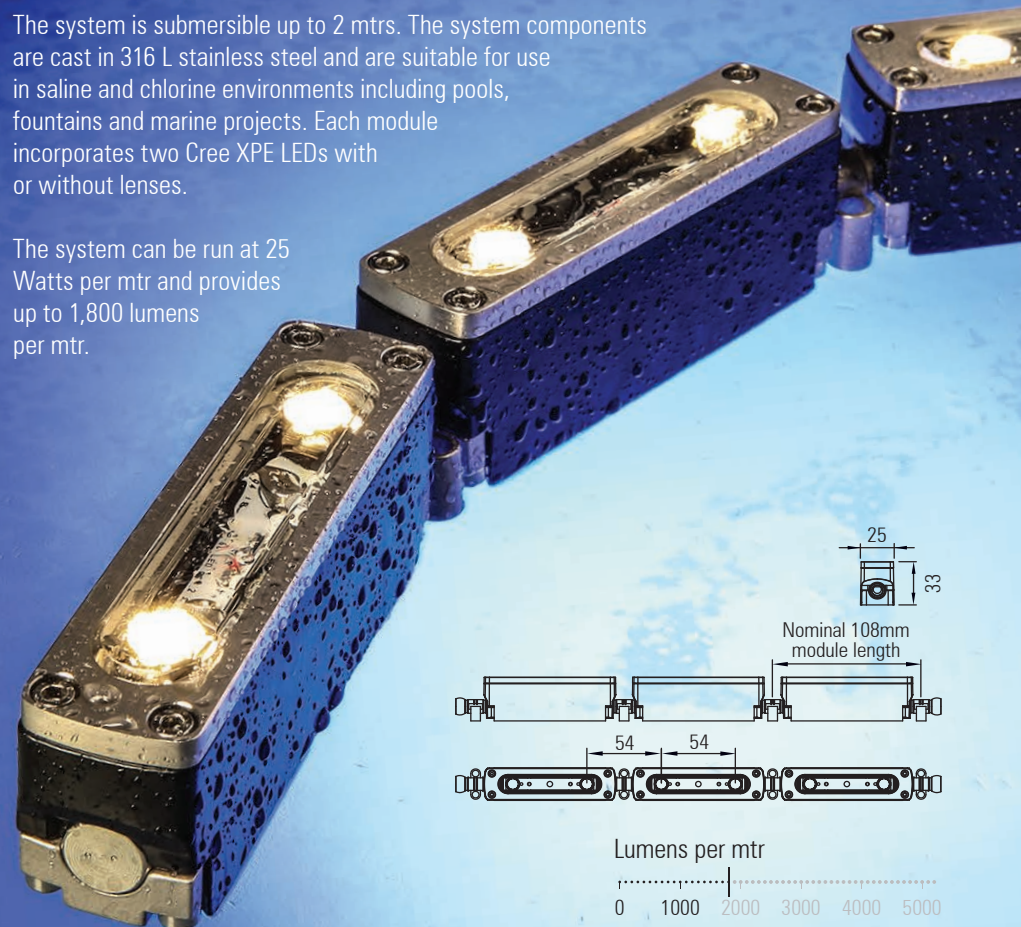
3D LED Flex 25 IP68 with adjustable angle brackets and anti-glare snoot accessory

Ritz Hotel, Paris. Lighting design by Schwinghammer Lighting Design NY

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 solutions, surface mounted or suspended, and with a light output of up to 5,000 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.
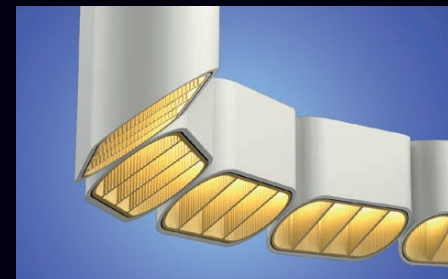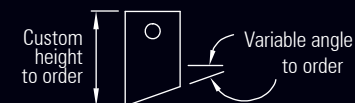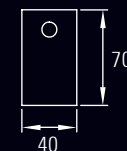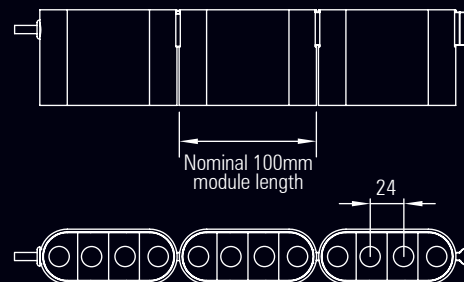
Lumens per mtr

0   1000   2000   3000   4000   5000
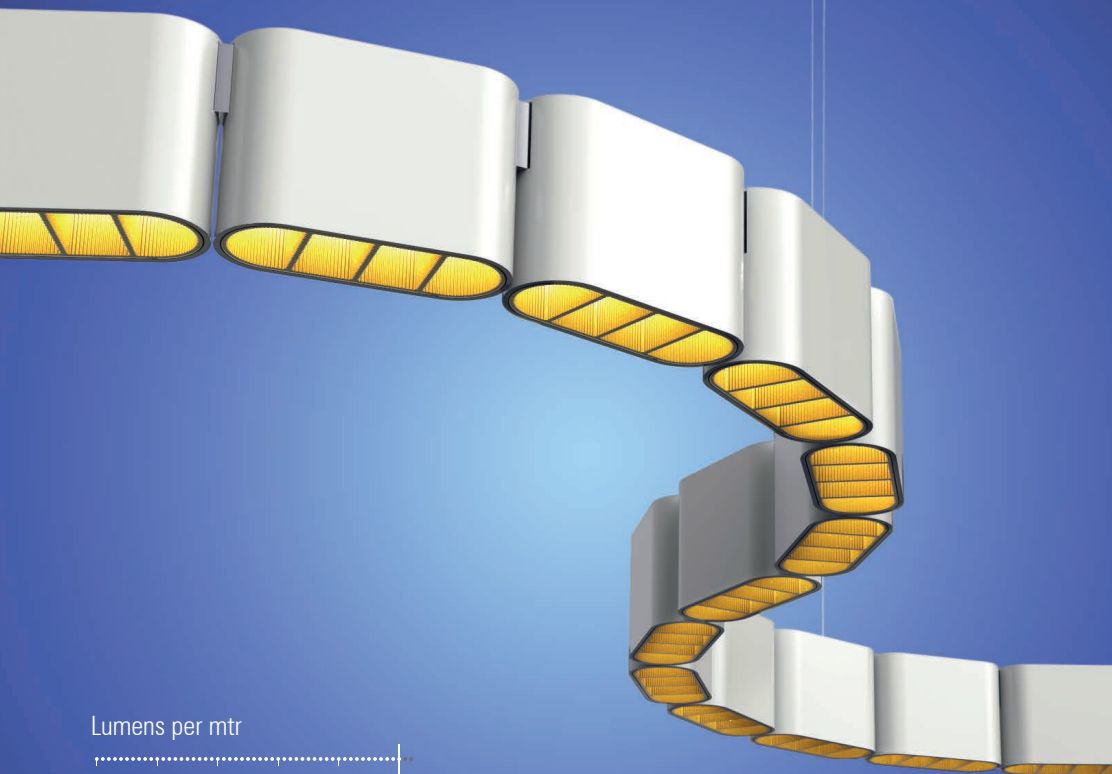
All black finish

Up and down version with black louvres

Cut angle modules for wall washing with gold louvres

Nominal 100mm module length

24

70

40

Custom height to order

Variable angle to order

34

35

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

Lumens per mtr

| 0 | 1000 | 2000 | 3000 | 4000 | 5000 |

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

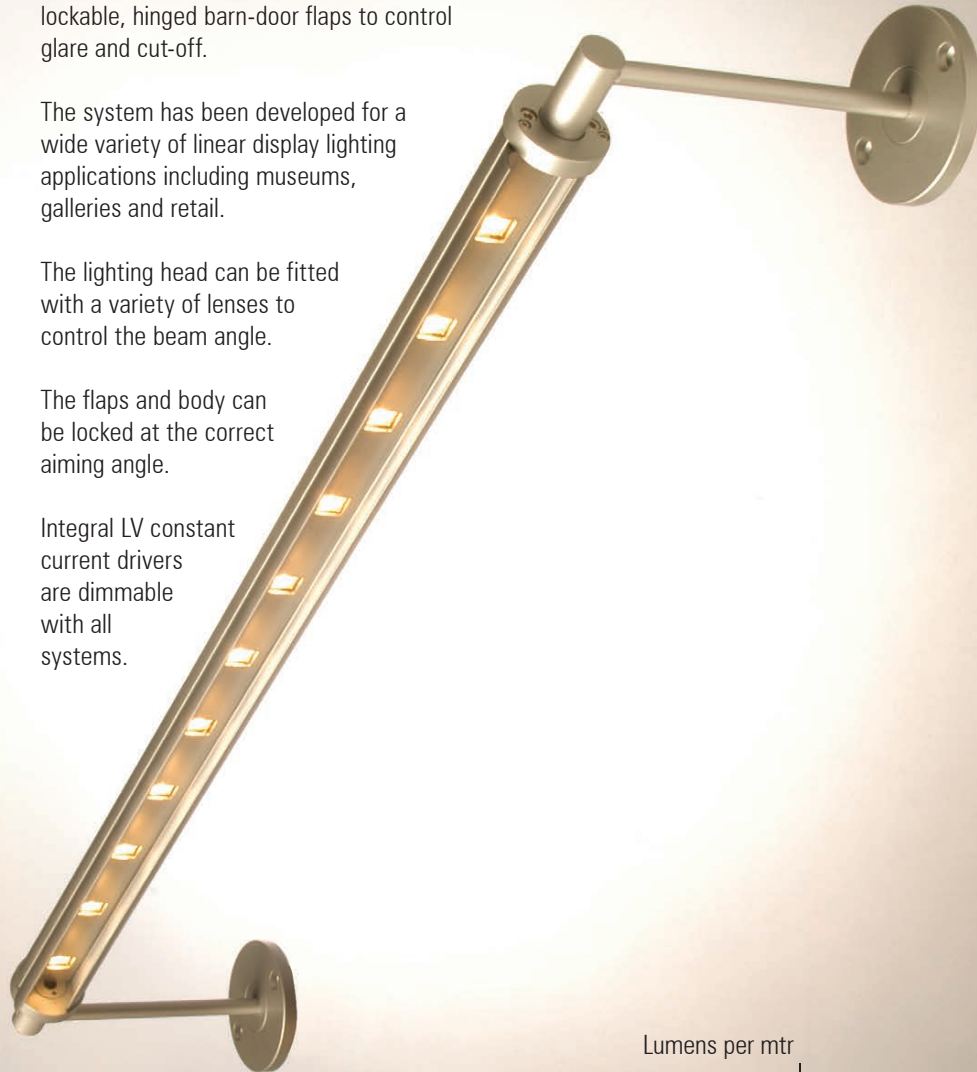## LED Linear display lighting system

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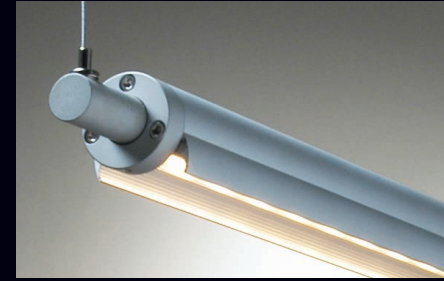
The lighting head can be fitted with a variety of lenses to control the beam angle.

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

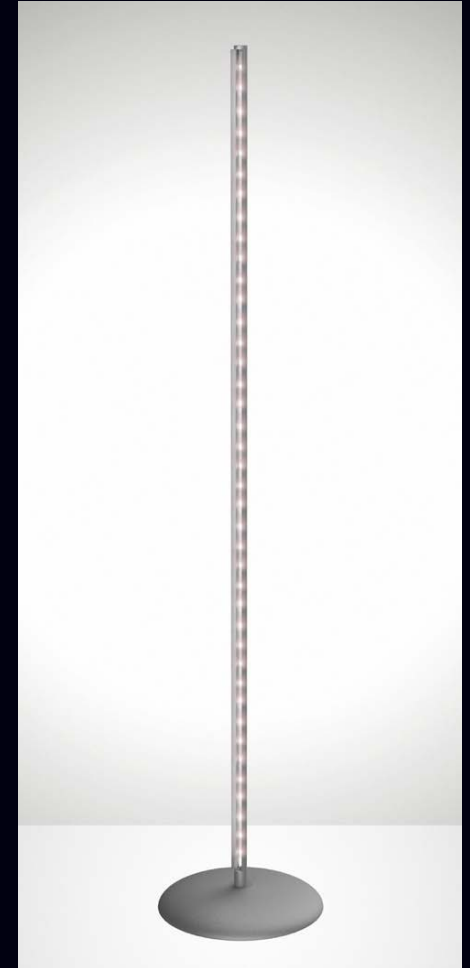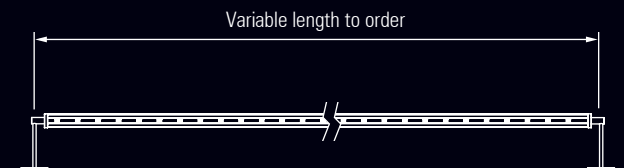Integral LV constant current drivers are dimmable with all systems.

Lumens per mtr

0   1000   2000   3000   4000   5000
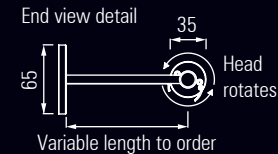

Pendant version

Flaplight with flaps closed

Flaplight with flaps open

Floor mount base version

End view detail

35

65

Head rotates

Variable length to order

End view detail

Adjustable flaps

Variable length to order
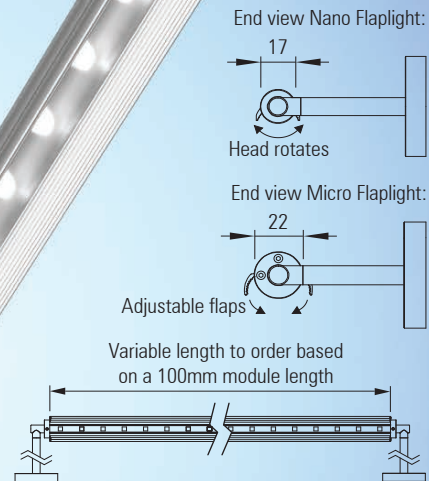
Flaplight micro and Flaplight Nano

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

Flaplight Nano: **Lumens per mtr**

0   1000   2000   3000

Flaplight Micro: **Lumens per mtr**

0   1000   2000   3000
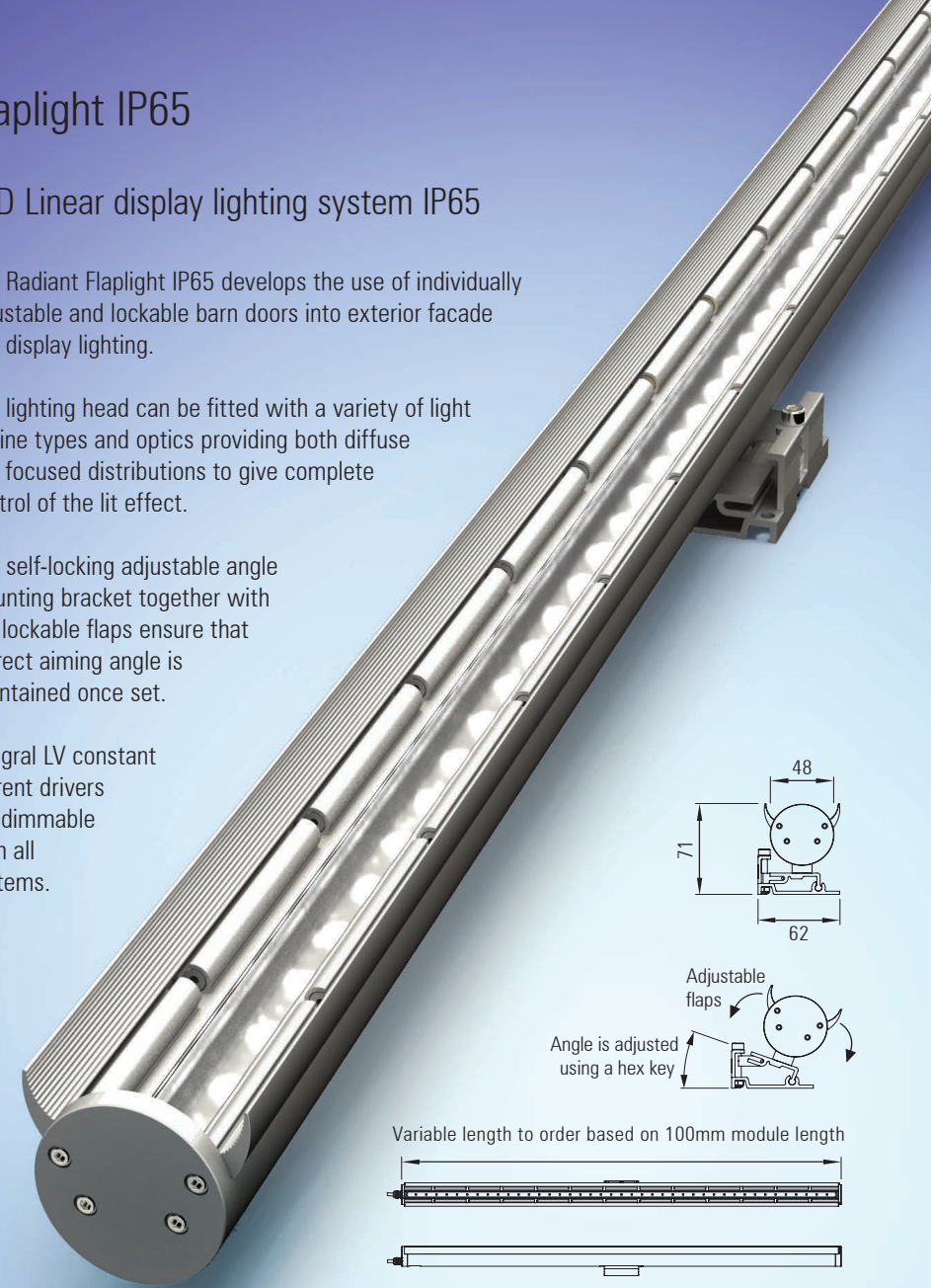
Flaplight IP65

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

Angle is adjusted using a hex key

Variable length to order based on 100mm module length

Lumens per mtr

0   1000   2000   3000   4000   5000
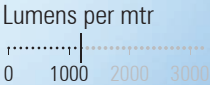
F Grazer

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 by a separate pwm channel with interface to all standard dimming systems.
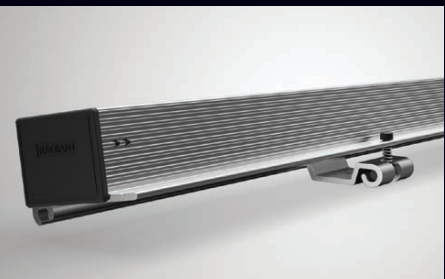
Lumens per mtr

0   1000   2000   3000

Standard grazer version

End cap detail

Anti-glare louvre detail

Adjustable angle mounting bracket

End view:

25

Plan view:

LED Pitch
56mm

39

Front view:

Variable length based on a 100mm module length
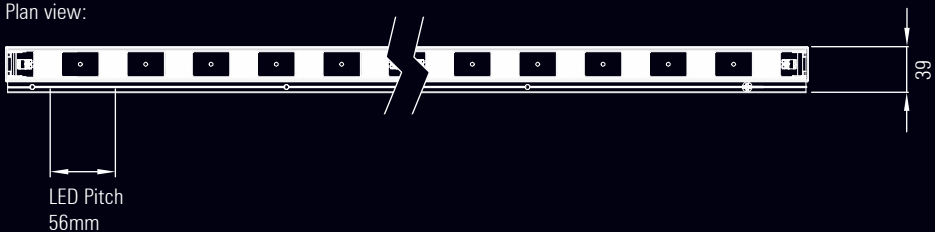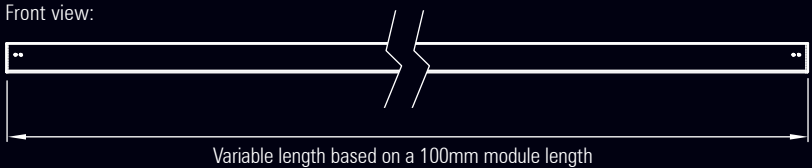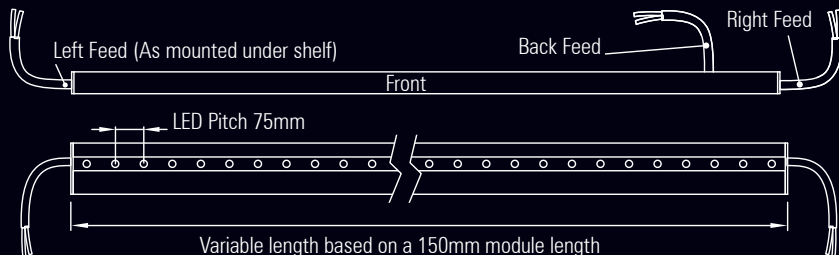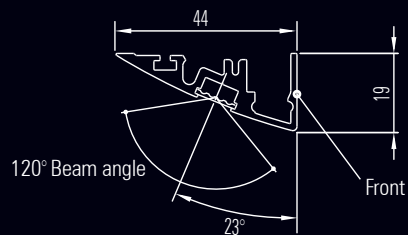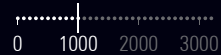
Shard undercabinet

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 1,000 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 50 mm LED pitch. Longer continuous runs plug together on site.

Lumens per mtr

0   1000   2000   3000

44

19

120° Beam angle

Front

23°

Left Feed (As mounted under shelf)

Back Feed

Right Feed

Front

LED Pitch 75mm

Variable length based on a 150mm module length

Shard 30 with 9 mm pitch x 0.15 W LEDs

Shard with 75 mm pitch 1.2 W LEDs

Constant LED pitch across modules
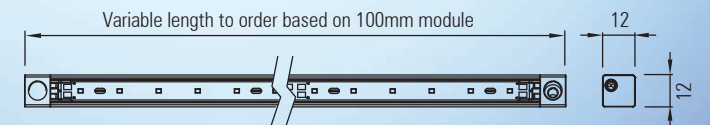
Euclid 12

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 700 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. Up to 700 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 50 mm LED pitch.

Lumens per mtr

0   1000   2000   3000

Variable length to order based on 100mm module

12

12

Euclid 20

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. Up to 1,800 lumens per mtr. 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 50 mm LED pitch.

Lumens per mtr

0   1000   2000   3000   4000   5000
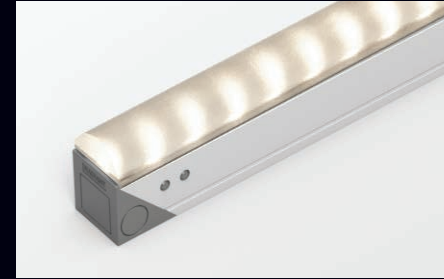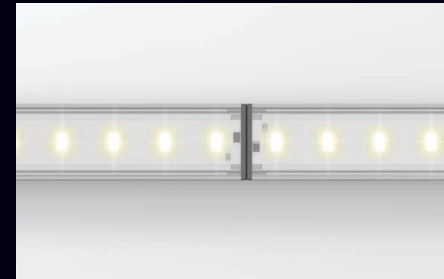

Linear lens version - 40° beam angle

Diffuse opal cover

Plug together 16 Amp connector between strips

Connector fits inside modules for continuous lighting

Euclid 20 continuous LED pitch

Euclid 20 side feed

Spring clip mounting

Euclid 20 end feed

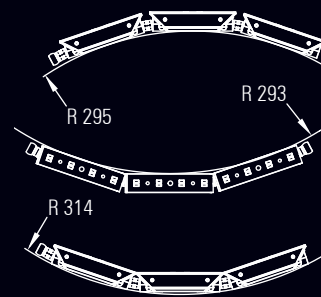# Euclid 20 &
Euclid 20 Balljoint

LED linear lighting system

Euclid 20 - standard modules with spring clips:

Variable length to order based on 83mm module

21

21

Euclid 20 Balljoint:

Variable length to order based on 100mm module

21

21

Euclid 20 Balljoint.
Standard minimum bend radii
with 100mm modules:

R 295

R 293

R 314

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

Euclid 20 Balljoint

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 1,800 lumens per mtr. 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.
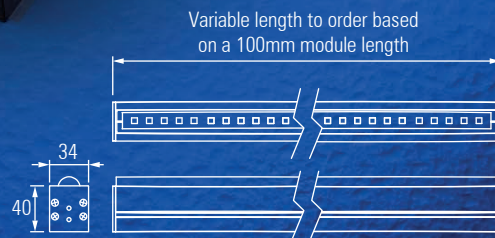
Euclid 30 IP65

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 2,000 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.

Lumens per mtr

0   1000   2000   3000   4000   5000

Variable length to order based on a 100mm module length

34

40

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 1,500 lumens per mtr.

300

25

40

Lumens per mtr

0   1000   2000   3000
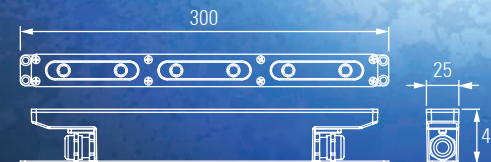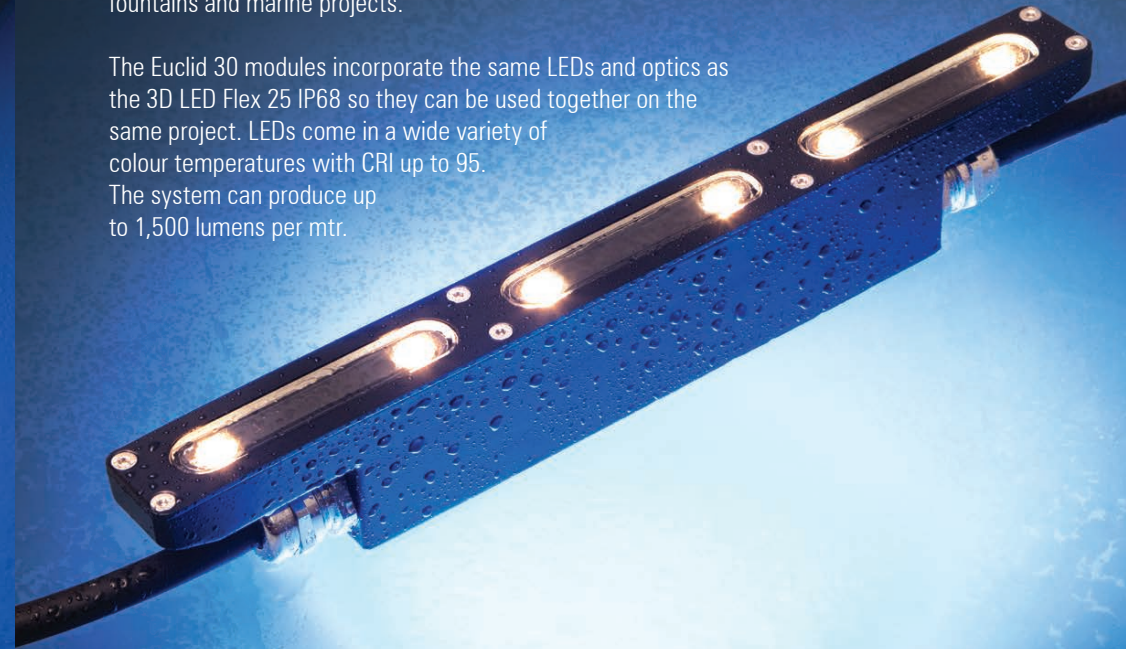
Euclid 40 IP20

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 3,000 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.

Lumens per mtr

0   1000   2000   3000   4000   5000

Euclid 40 side feed

Euclid 40 end feed

Connector between modules up to 16 Amps
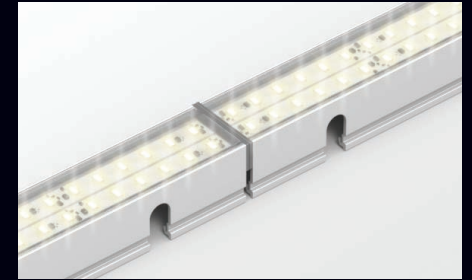
Connector fits inside modules for continuous lighting

Euclid 40 continuous LED pitch across modules

Spring clip mounting

RADIANT

32

51

Variable length to order based on 100mm module
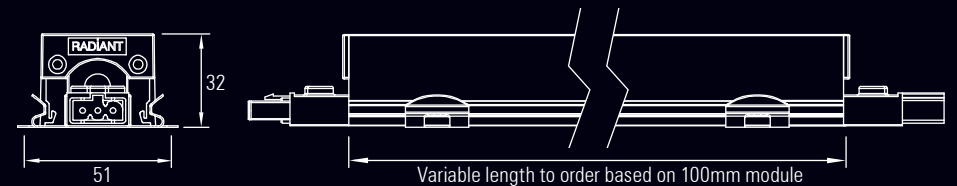
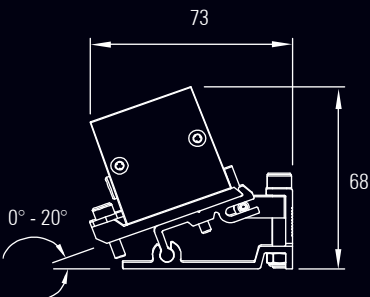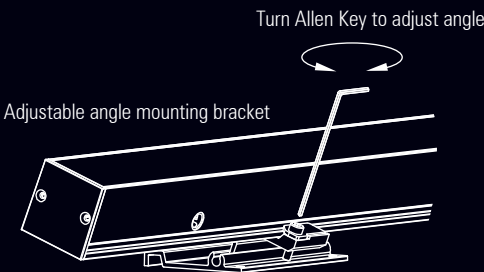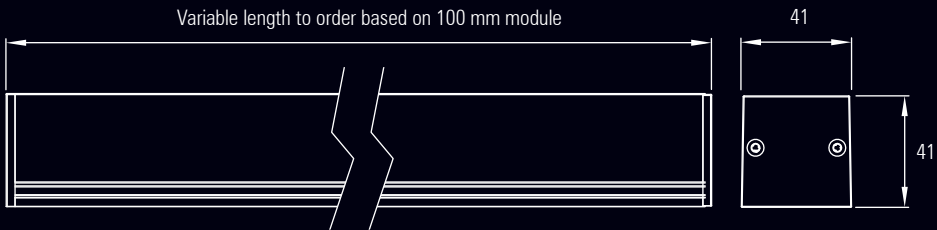# Euclid 40 IP20 with lenses

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.

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

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.

Lumens per mtr

0   1000   2000   3000   4000   5000

Variable length to order based on 100 mm module

41

41

Turn Allen Key to adjust angle

Adjustable angle mounting bracket

73

68

0° - 20°

Euclid 40 IP65

Exterior LED linear lighting system

The Euclid 40 IP65 system has been developed for use in exterior indirect linear lighting applications.
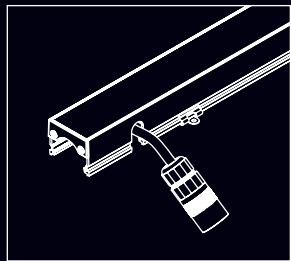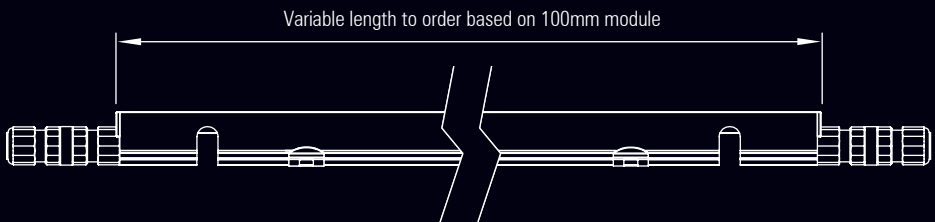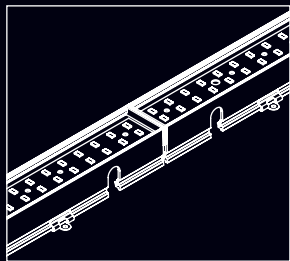
The system incorporates DC to DC linear constant current drivers to ensure efficient LED operation and so that long lengths of the system can be run from a single large power supply thus reducing wiring and installation costs. The Euclid 40 system can provide up to 3,000 lumens per mtr.

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 50 mm LED pitch.

Lumens per mtr

0   1000   2000   3000   4000   5000
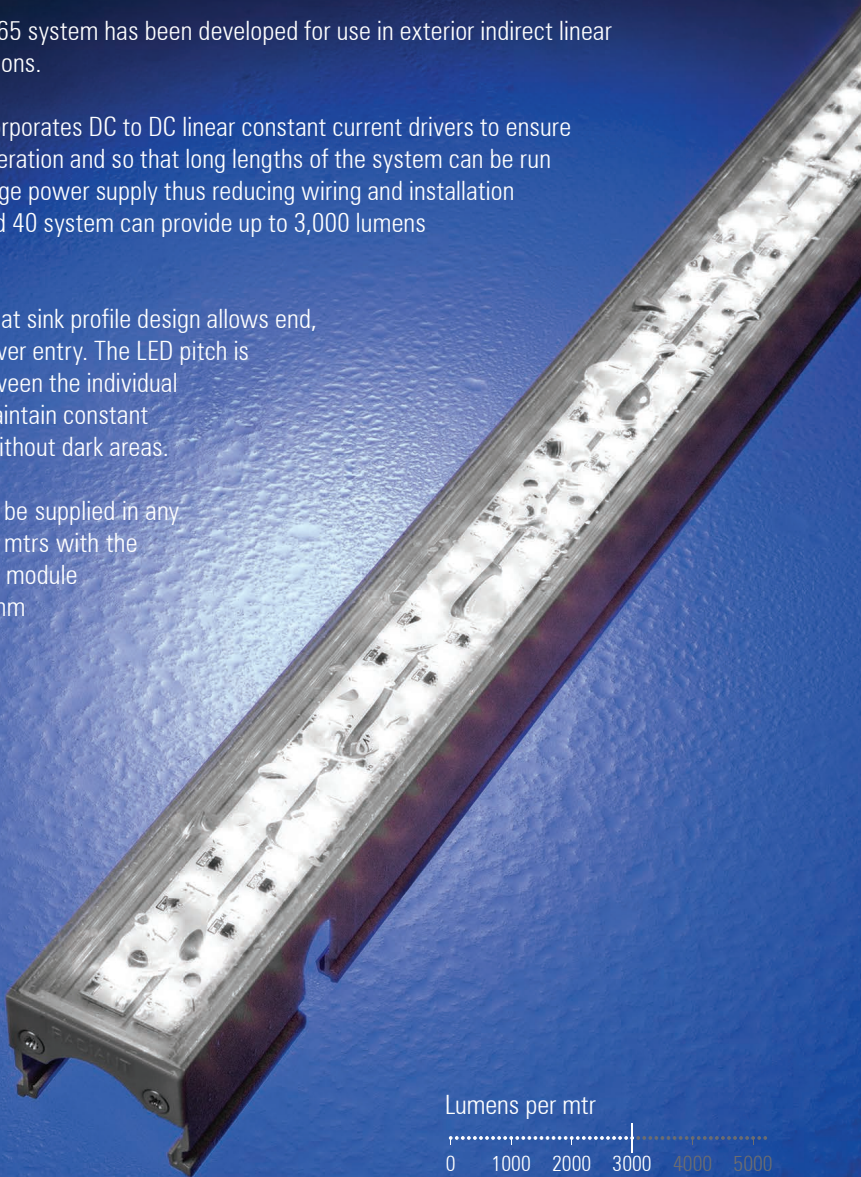
Swindon Designer Outlet, UK. Lighting design by Aecom

Variable length to order based on 100mm module

Side entry power feed option

Continuous LED pitch across strips

RADIANT

32

51
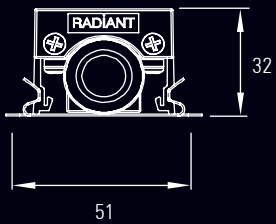
Euclid 60 IP65

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.

Lumens per mtr

0   1000   2000   3000   4000   5000

Micro louvre for glare control

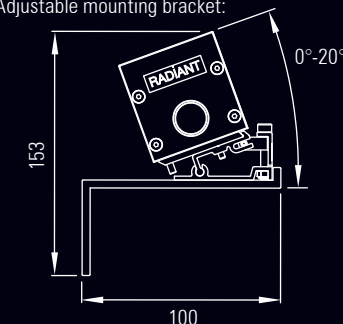Honeycomb louvre for glare control

Side power feed

Back power feed
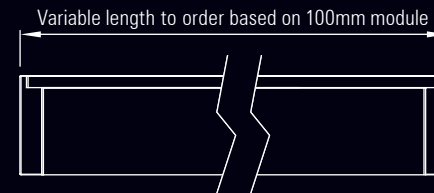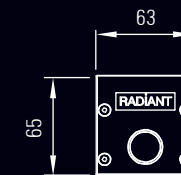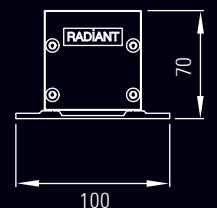
Side or back cable entry box:

63

65

Variable length to order based on 100mm module

89

L - bracket:

109

3°

68
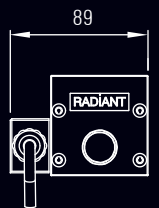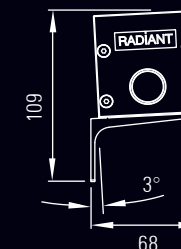
Adjustable mounting bracket:

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.

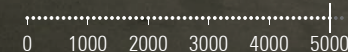A variety of anti-glare materials can be incorporated including a linear micro louvre and honeycomb louvre panels.

Up to 300mm depending on site conditions

132

78

Ground

Variable length to order
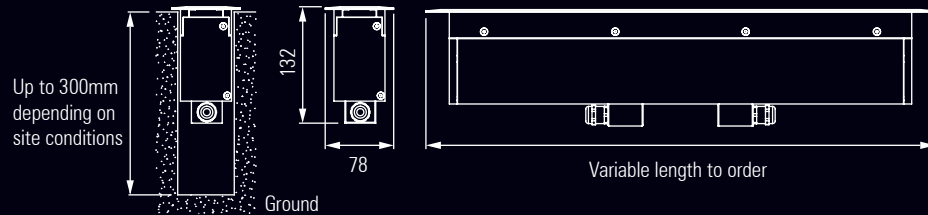
Honeycomb louvre for glare control

Micro louvre for glare control

Lumens per mtr

0   1000   2000   3000   4000   5000

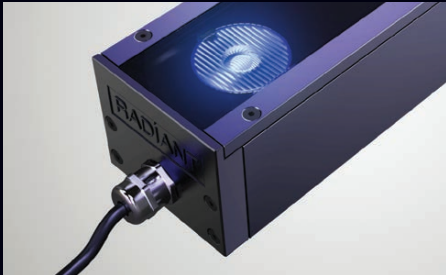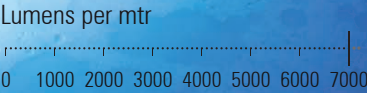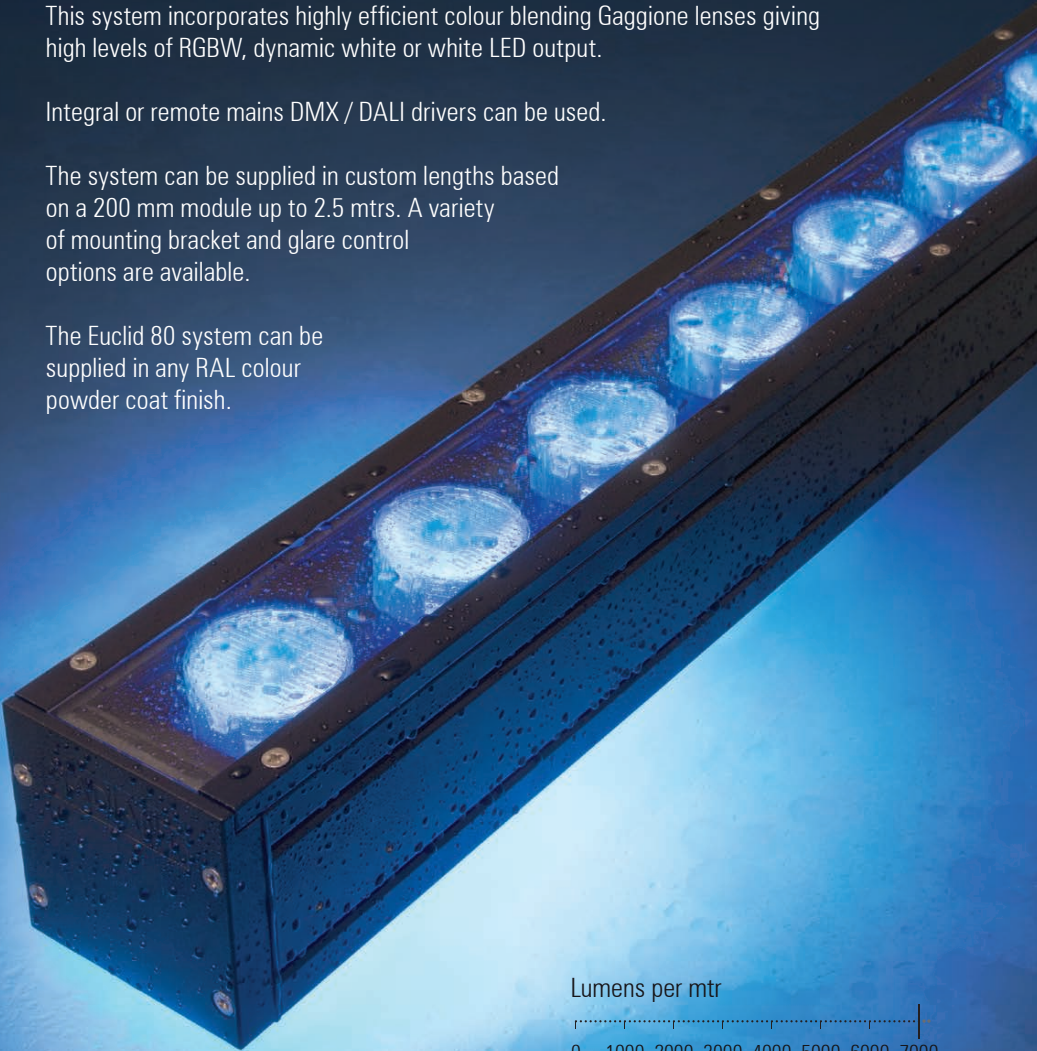# Euclid 80 IP65

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.

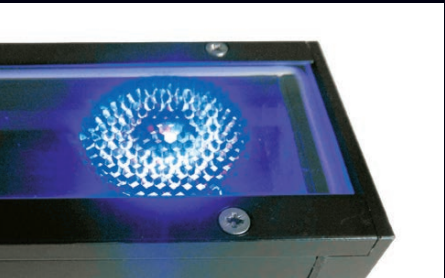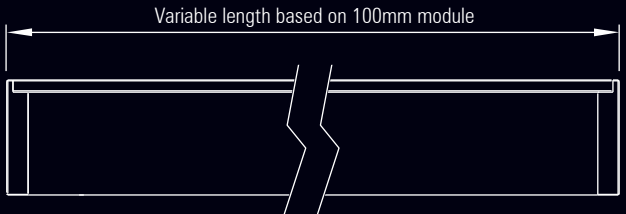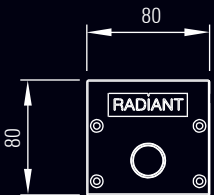Lumens per mtr

0   1000 2000 3000 4000 5000 6000 7000

End power feed

Side or back power feed

Adjustable angle bracket

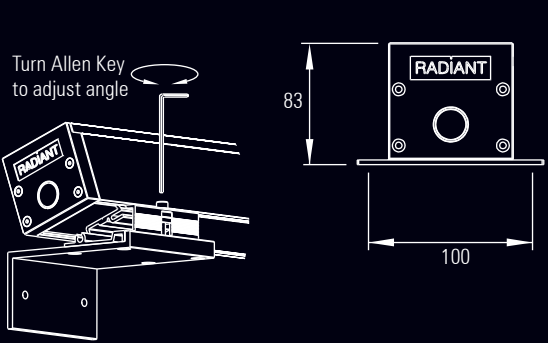Anti-glare honeycomb louvre

80

80

Variable length based on 100mm module

Adjustable angle bracket:

157

125

Variable angle: 0° - 20°

Turn Allen Key to adjust angle
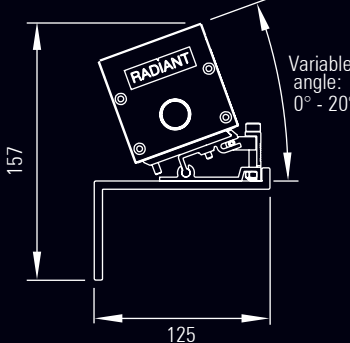
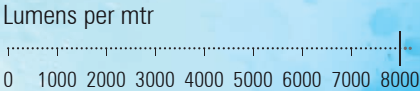Fixed mounting bracket:

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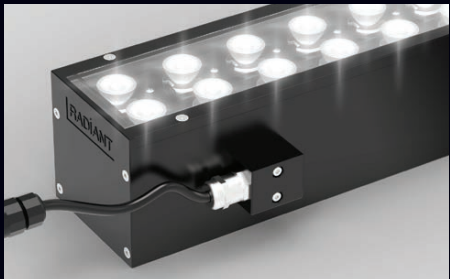
This system incorporates 2 lines of light engines with optics. By combining elliptical and wider beam angle lenses in the same luminaire tall facades can be evenly lit.
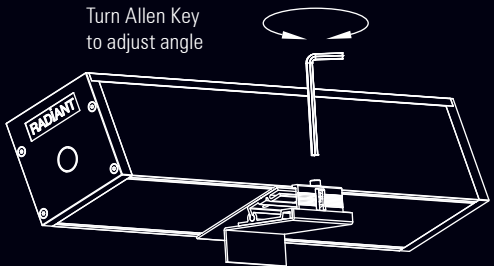
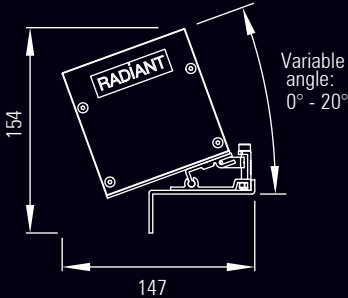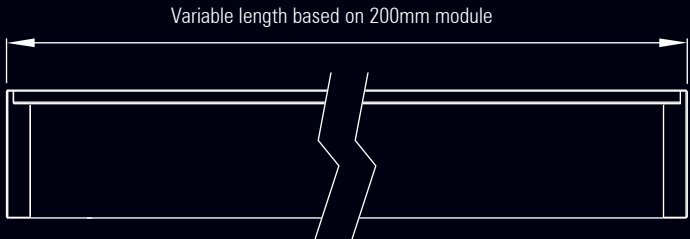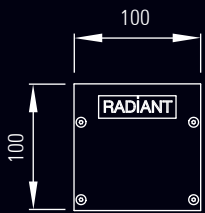The system incorporates dimmable line voltage drivers.

The system can be supplied in custom lengths based on a 200 mm module up to 2.5 mtrs.
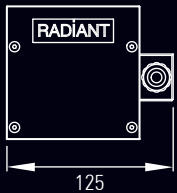
End power feed

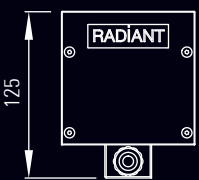Side or back power feed

100

100

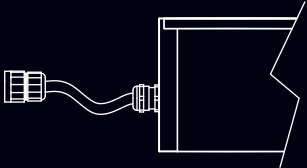Variable length based on 200mm module

154

147

Variable angle:
0° - 20°

Turn Allen Key
to adjust angle

Side cable entry

Back cable entry

Cable entry through end cap

125

125

125

Lumens per mtr

0   1000 2000 3000 4000 5000 6000 7000 8000

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.

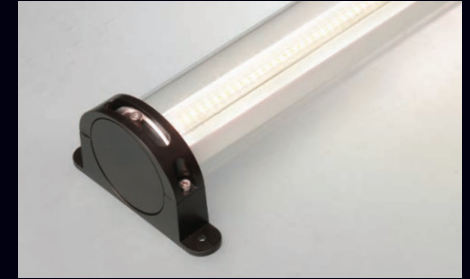Surface mounting brackets, a pendant suspension kit and custom mounting options.

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

Lumens per mtr

0   1000   2000   3000

Double ended T5 fluorescent version

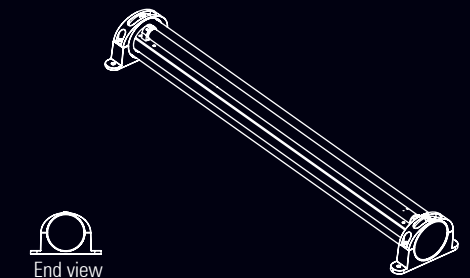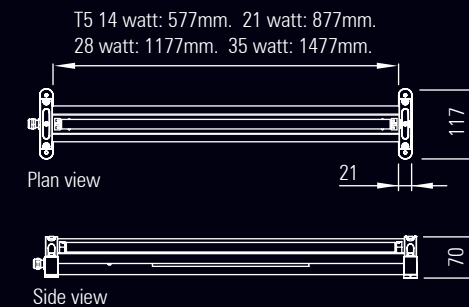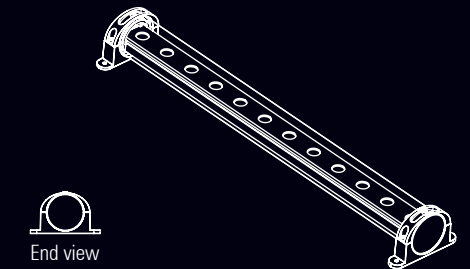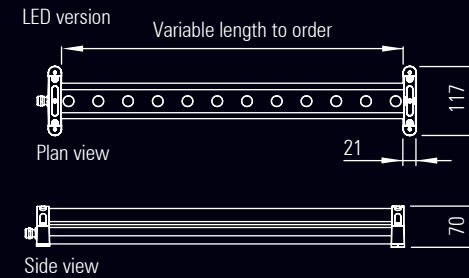Multi LED version

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.

120

Variable length to order
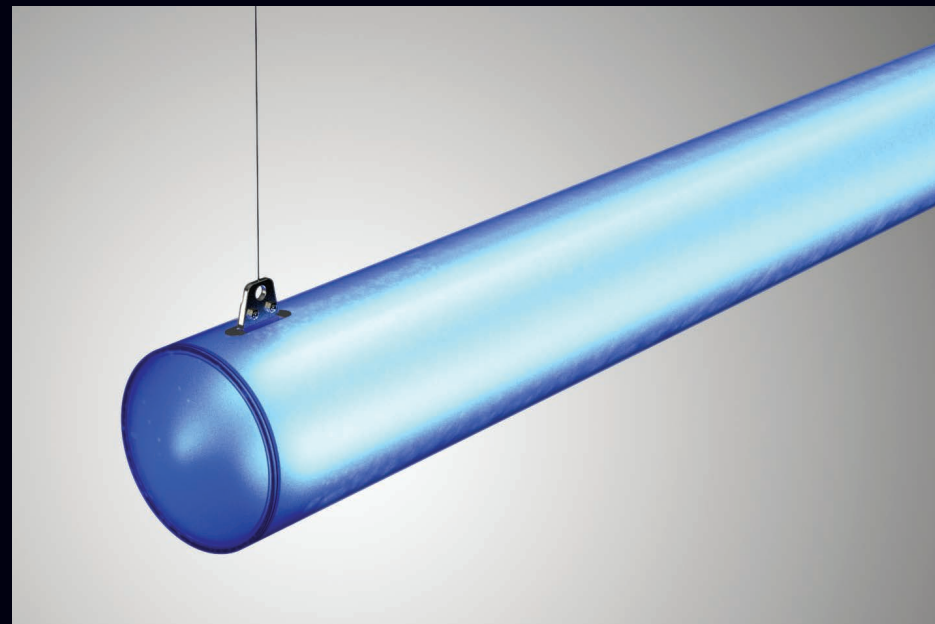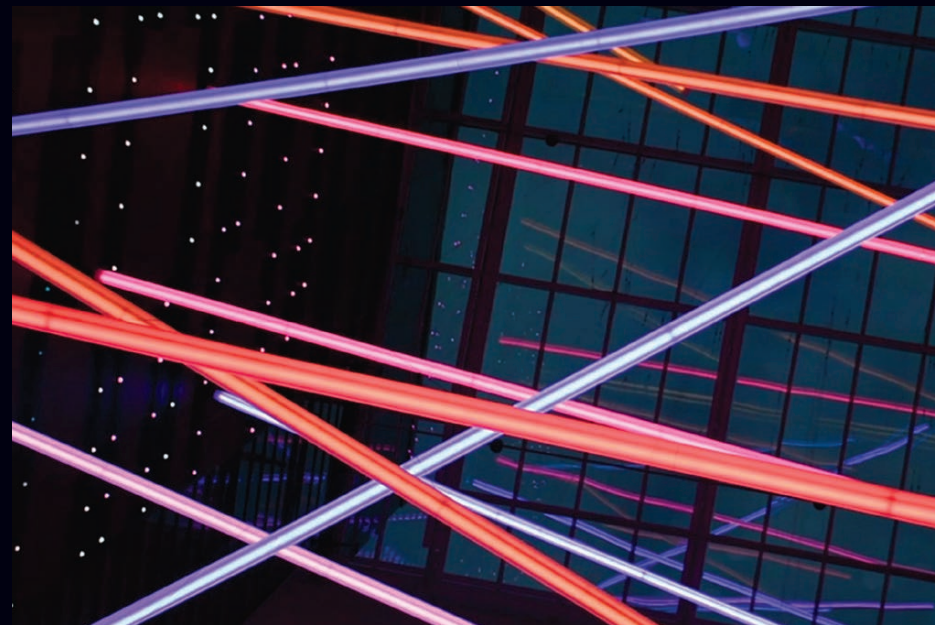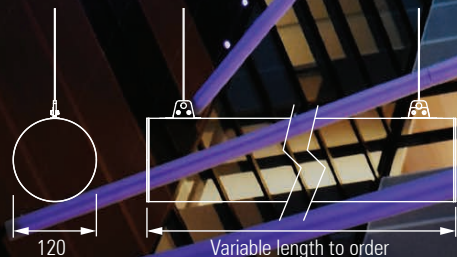
Micro Track System

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.

MR16 LED Snap Spotlight. Up to 8 Watts

Mini LED Spotlight. Up to 5 Watts

Cone LED Micro Spotlight. Up to 3.5 Watts

Ribbed LED Micro Spotlight. Up to 3.5 Watts

Pico LED Spotlight. Up to 1.5 Watts

Nano LED Spotlight. Up to 2 Watts

Ribbed LED Spotlight on 50mm surface mount base

Ribbed LED Spotlight on 70mm surface mount base

Micro Track System
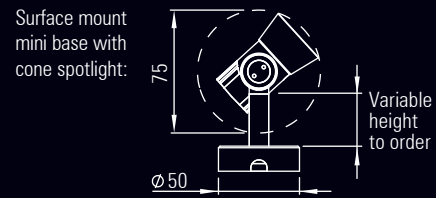
Surface mount mini base with cone spotlight:

75

Ø 50

Variable height to order

Snap MR16 holder	Mini Spotlight	Micro Spotlight	Nano Spotlight	Pico Spotlight

76 47 44 37 13 10

81 93 78 71 83
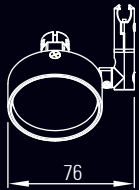
Harrods department store, London. Lighting design by BDP
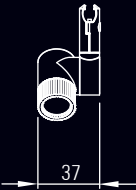
Curved track
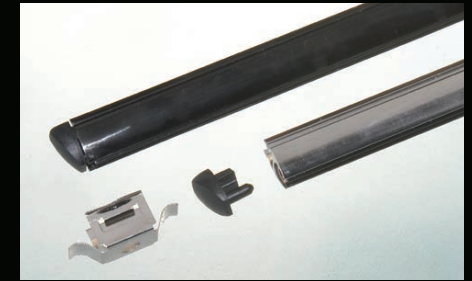
End cap and fixing clip with black and chrome track

Various lenses and honeycomb louvre

In-line connectors

Garrick Club, London. Lighting design by BDP

Micro Track System

Radiant Nano Spotlights
on Radiant Micro Track.

Norway Submarine Museum, Oslo
Lighting design by Rebel Light AB
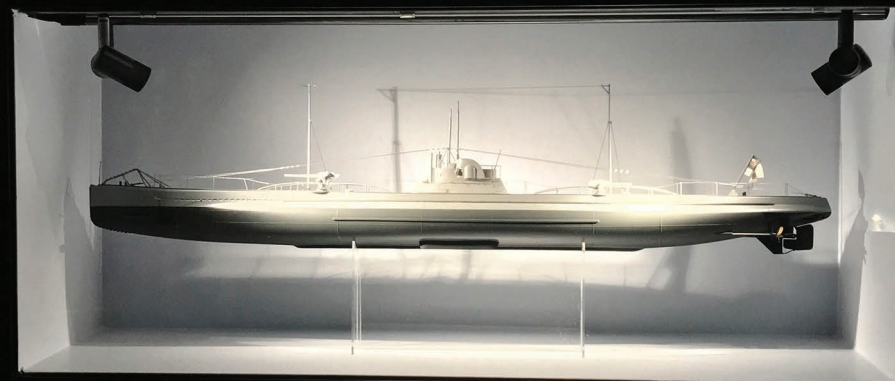
U 53

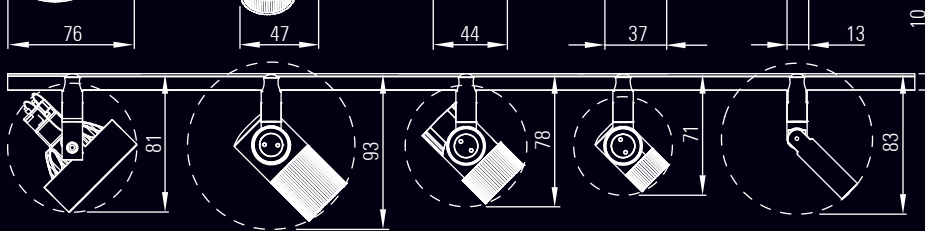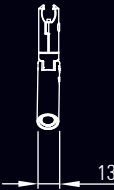Modell av den tyske ubåten U 53. Ubåten senket 88 skip og skadet 11 i løpet av første verdenskrig. Kaptein Hans Rose var en av de ubåtkapteinene som klarte å senke aller flest skip.

Innlånt fra Internationales Maritimes Museum Hamburg.

U 53

Model of the German submarine U 53. The U-boat sank 88 ships and damaged 11 during WWI. One of the U-boat captains who sank the most ships was Captain Hans Rose.

Norway Submarine Museum, Oslo. Lighting design by Rebel Light AB

Micro Egg Pendant

Interior LED pendant system

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

Designed to be used in a wide variety of hospitality and residential applications where the quality and control of light is of high importance. Dim to warm and very low colour temperature LED options are available.

The pendant range can be fitted with a range of anti-glare and light control accessories.

The light output from the LED array used for Radiant LED pendants contains very little heat or UV. The system is therefore ideal for the illumination of sensitive materials.

Micro Egg Pendant Track mounted

The Micro Egg Pendant can be mounted to the Micro Track or be used with a surface mount base

Ø40

45

Micro Egg Pendant with surface mount base

Ø50

45

Egg Pendant with surface mount base

Ø50

Ø68

67

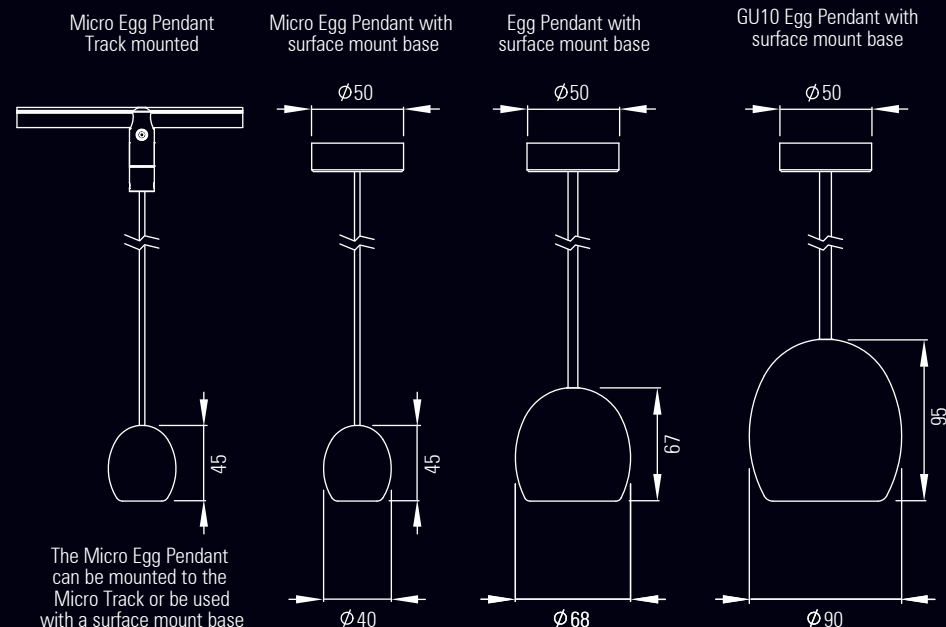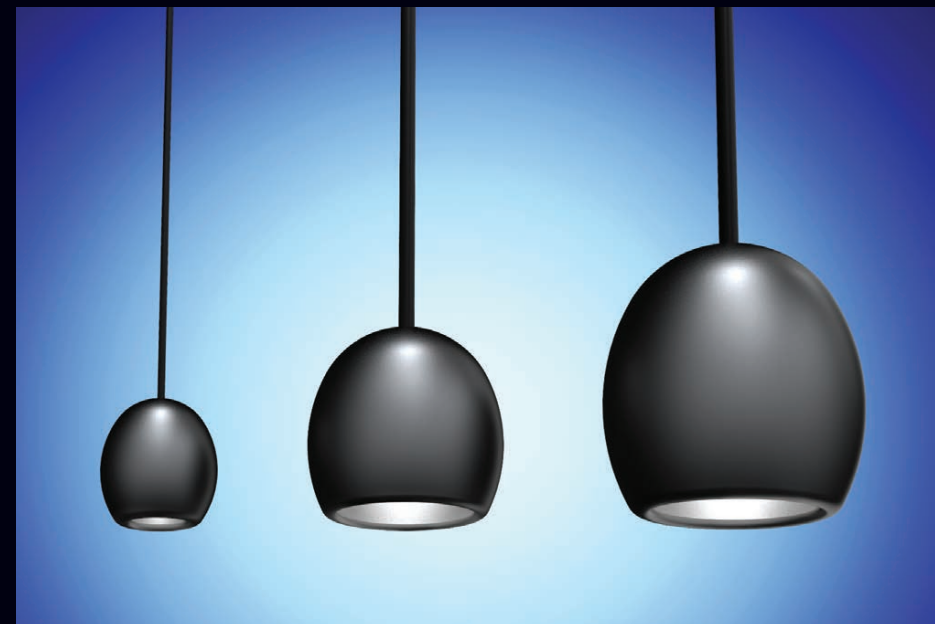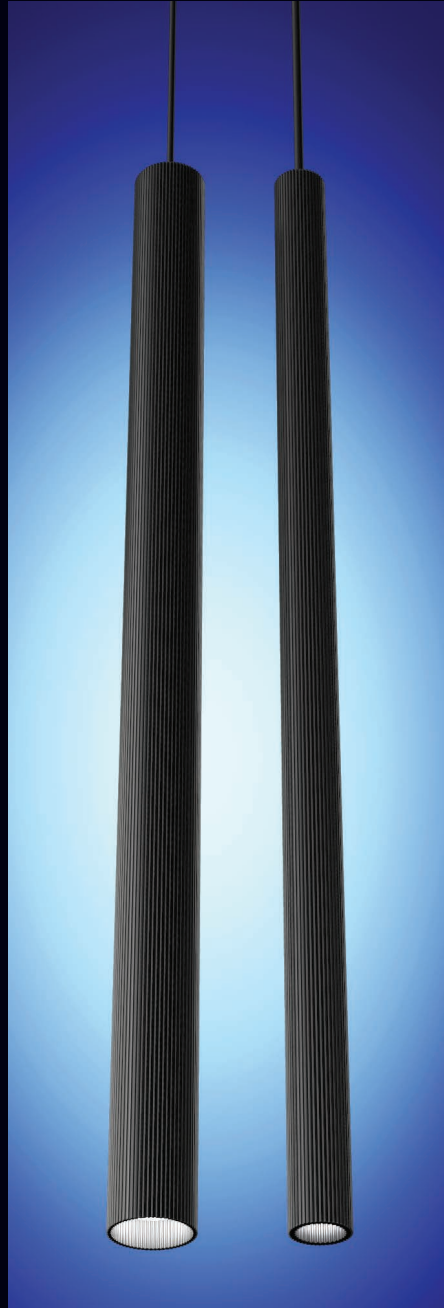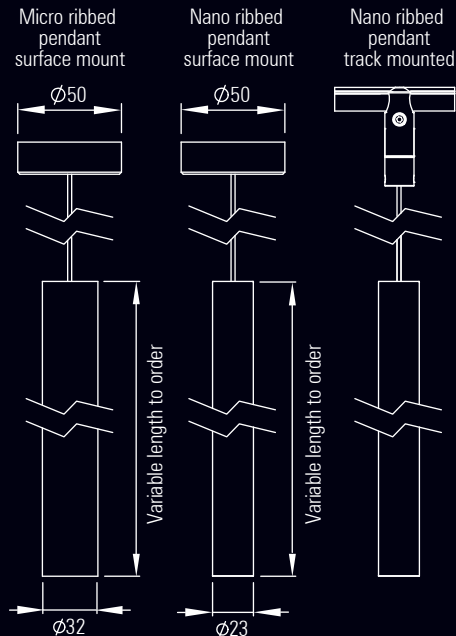GU10 Egg Pendant with surface mount base

Ø50

Ø90

95

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.

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

Micro ribbed pendant surface mount

Ø50

Nano ribbed pendant surface mount

Ø50

Nano ribbed pendant track mounted

Variable length to order

Variable length to order

Ø32

Ø23

Micro Reflector Pendant

Interior LED pendant system

The Micro Reflector LED Pendant system is a miniature LED pendant system for use with the Radiant Micro Track system or with a surface mount base.

Designed for use in a wide variety of hospitality and residential applications where the quality and control of light is important. The light is reflected off a high efficiency white reflector with low glare and excellent visual comfort.

Miniature DC to DC dimmable LV constant current driver are housed in the track adapter or surface mount base. Dimming options include 1 - 10V, DALI or DMX.

The pendants are available in any anodized or powder coated colour finish with a choice of cable colours.

Reflector Pendant surface mount

Reflector Pendant track mounted

Ø50

30

Ø93
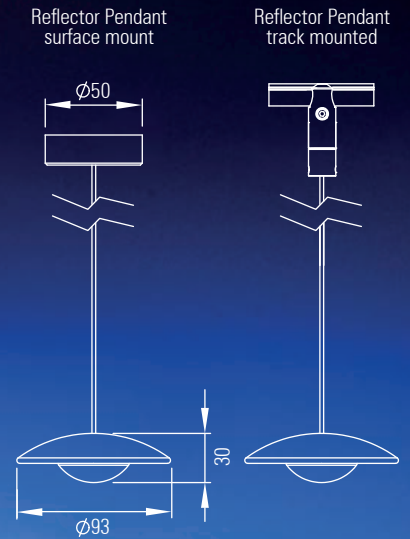
Magnetic Low Voltage Track

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 Pico Spotlight

Magnetic track with Nano Spotlight
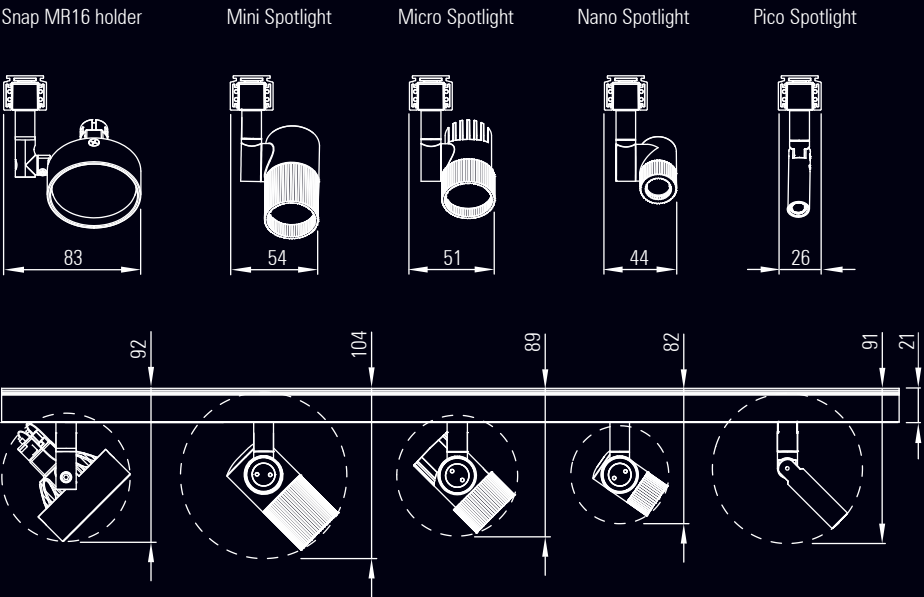
Magnetic track with Micro Spotlight

Snap MR16 holder	Mini Spotlight	Micro Spotlight	Nano Spotlight	Pico Spotlight
83	54	51	44	26
92	104	89	82	91 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.
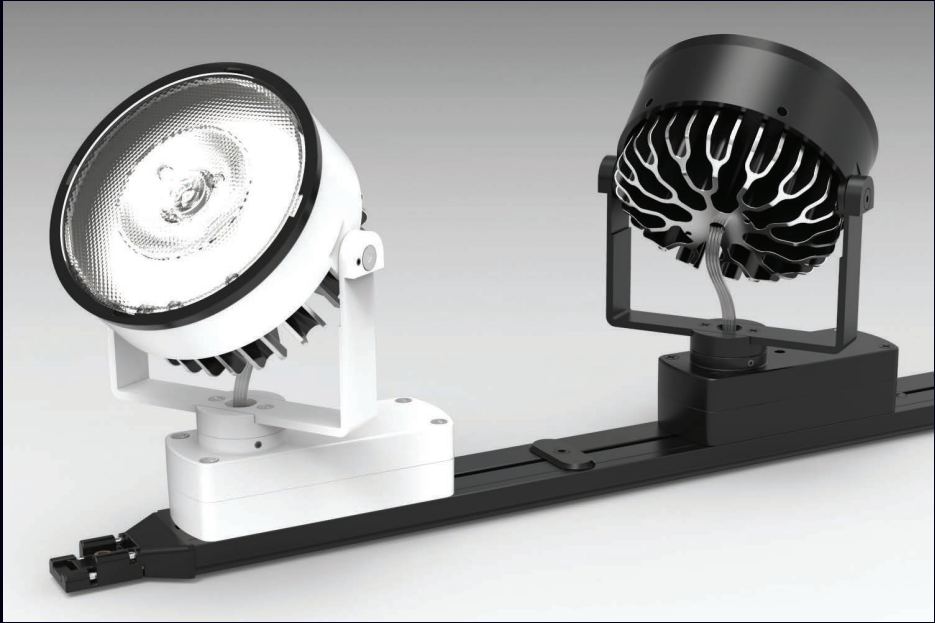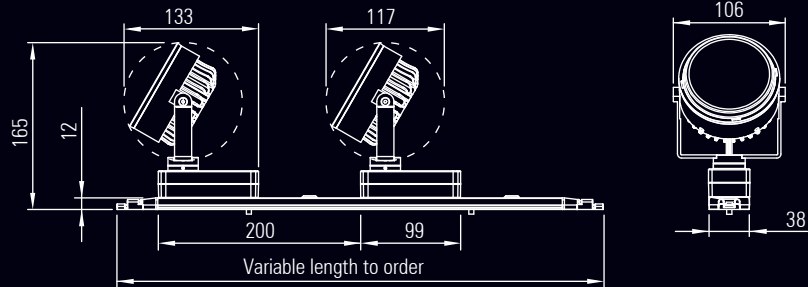
The spotlight range available for the RAD Track 4 include the SLE 30 Spotlight with Soraa light engine and the D100 Spotlight with 10 Watt Citizen COB. A wide variety of optics and anti-glare accessories including honeycomb louvres can be incorporated in this range.

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.
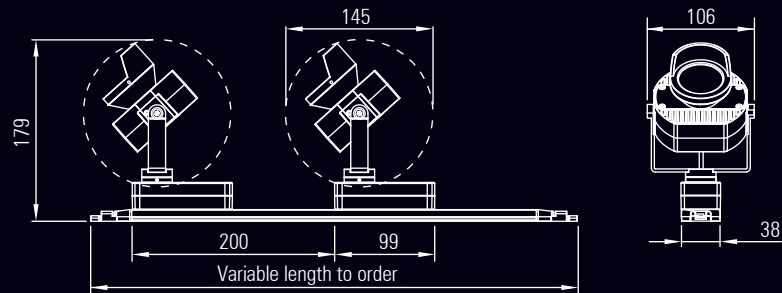
RAD Track 4 with Soraa SLE 30 Spotlights

RAD Track 4 with D100 Spotlight

D100
Spotlight:

179

145

106

200   99

38

Variable length to order

Soraa
SLE 30
Spotlight:

165   12

133   117

106

200   99

38

Variable length to order

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 10 Watt Citizen COB. A wide variety of optics and anti-glare accessories including honeycomb louvres can be incorporated in this range.

Global Track with MR16 holder

Global Track with Soraa SLE 30 Spotlight

Soraa SLE 30 Spotlight:

36

106

D100 Spotlight:

36

106

170

186

117

146
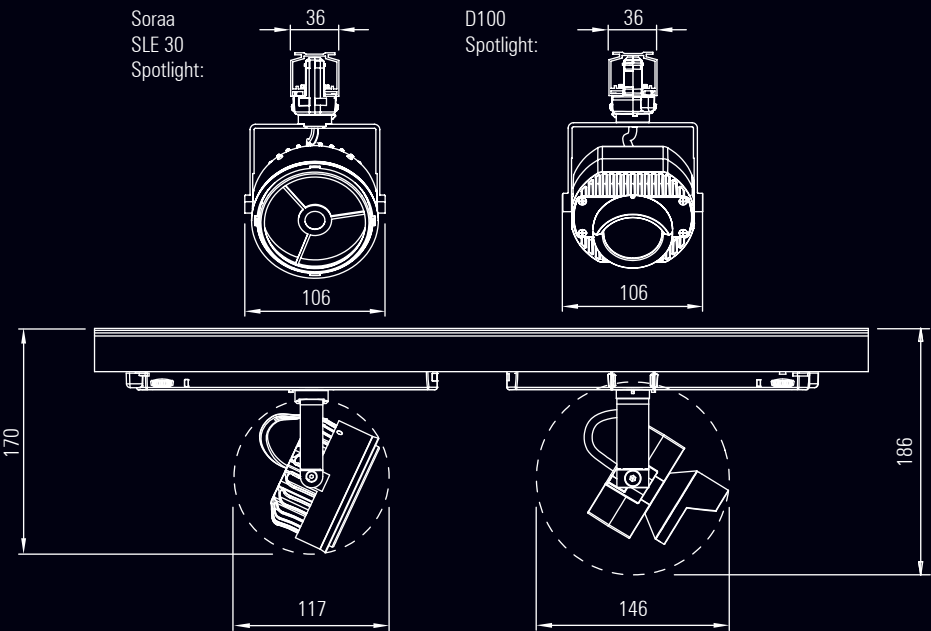

Global Track with D100 Spotlight

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.
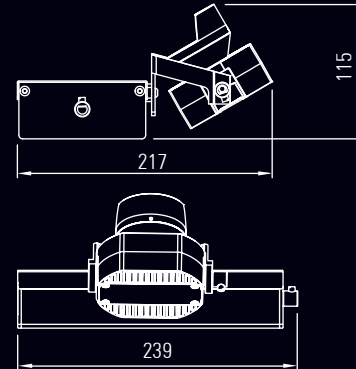
Lumens per spotlight

0   1000   2000   3000

Remote driver version:

130   113   119
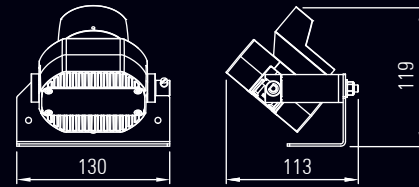
Integral driver version:

217   115

239

Hereford Cathedral, UK. Lighting design by Light Perceptions

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.

111

120
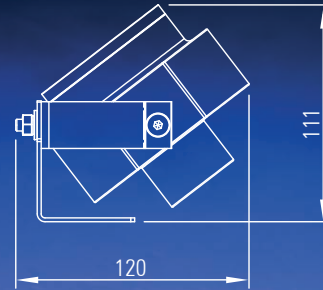
Micro Spotlight IP65

LED spotlight range IP65

The IP65 Micro Spotlight range has been developed for use in landscape and garden lighting applications where miniature, highly controlled lighting effects are required. Each spotlight has a 3.5 Watt LED light engine with an integral LV DC to DC driver. The spotlights are run from a remote 12 V DC power supply. A wide variety of mounting accessories and glare control accessories are available for this system.

Ø36

53

Ø70

Variable height to order

Ø70
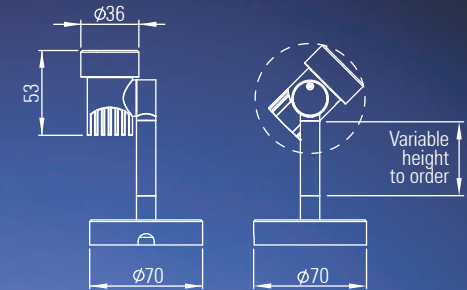
RAD 250 IP68

Buried uplights

32 Watt 16 LED RAD 250 IP68 uplight

25 Watt single LED array RAD 150 IP68 uplight

Regent's Place detail

16 LED RGBW RAD 250 IP68 uplight

4 x 10 Watt RGBW uplight with colour mixing lenses

Lumens per uplight

0   1000   2000   3000   4000   5000

Regent's Place, London, RIBA award winner
Lighting design by MBLD, Architects Carmody Groarke

RAD 250 IP68

Submersible LED uplights

The Radiant range of square and rectangular IP68 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 IP68 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.
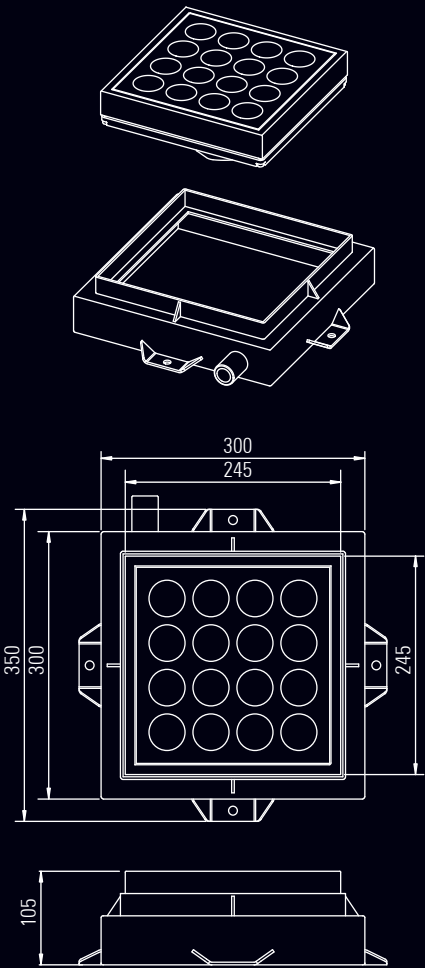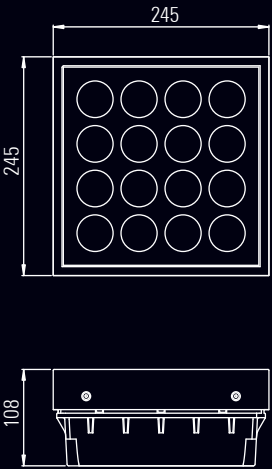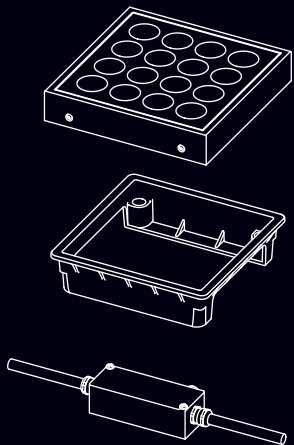
Lumens per uplight

0   1000   2000   3000   4000   5000

Armani Hotel swimming pool, Milan

RAD 250 submersible to 3 mtrs

RAD 250 submersible with niche

245

245

108

300
245

350
300

245

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.

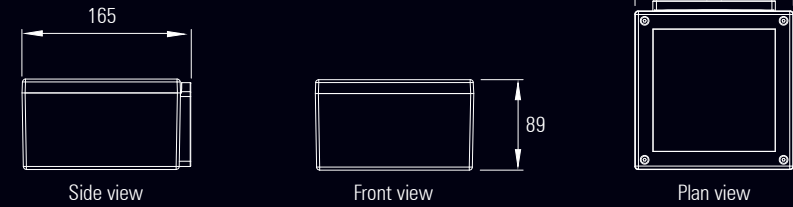The surface mounted luminaires create a slowly changing effect of light reflected from flowing water.

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.

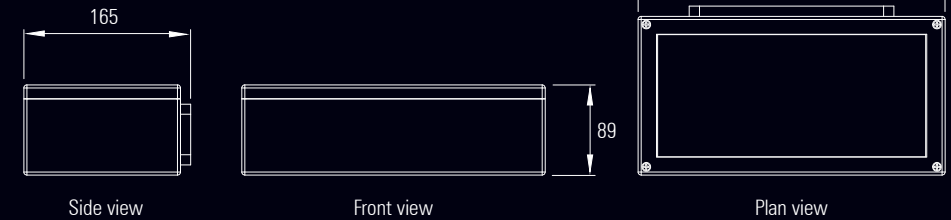Light output up to 1,500 lumens with all LEDs on full power.

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

Water Effect light 150:

165

Side view

Front view

89

155

Plan view

Water Effect light 300:

165

Side view

Front view

89

300

Plan view

Landmärket residential tower, Stockholm. Luminaire concept and lighting design by ÅF Lighting
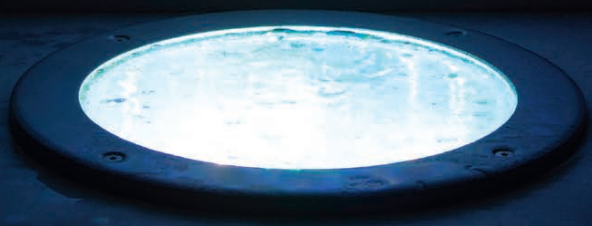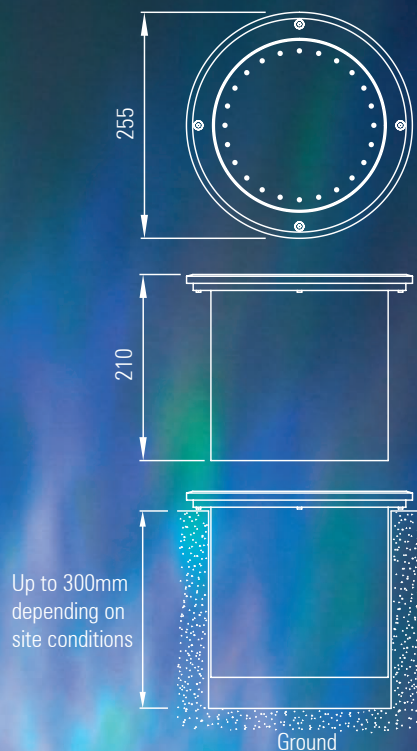
Water Effect
In-ground IP67

DMX controlled, dynamic LED effect luminaire

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 2,500 lumens and since there are no moving parts, will provide a long working life.

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
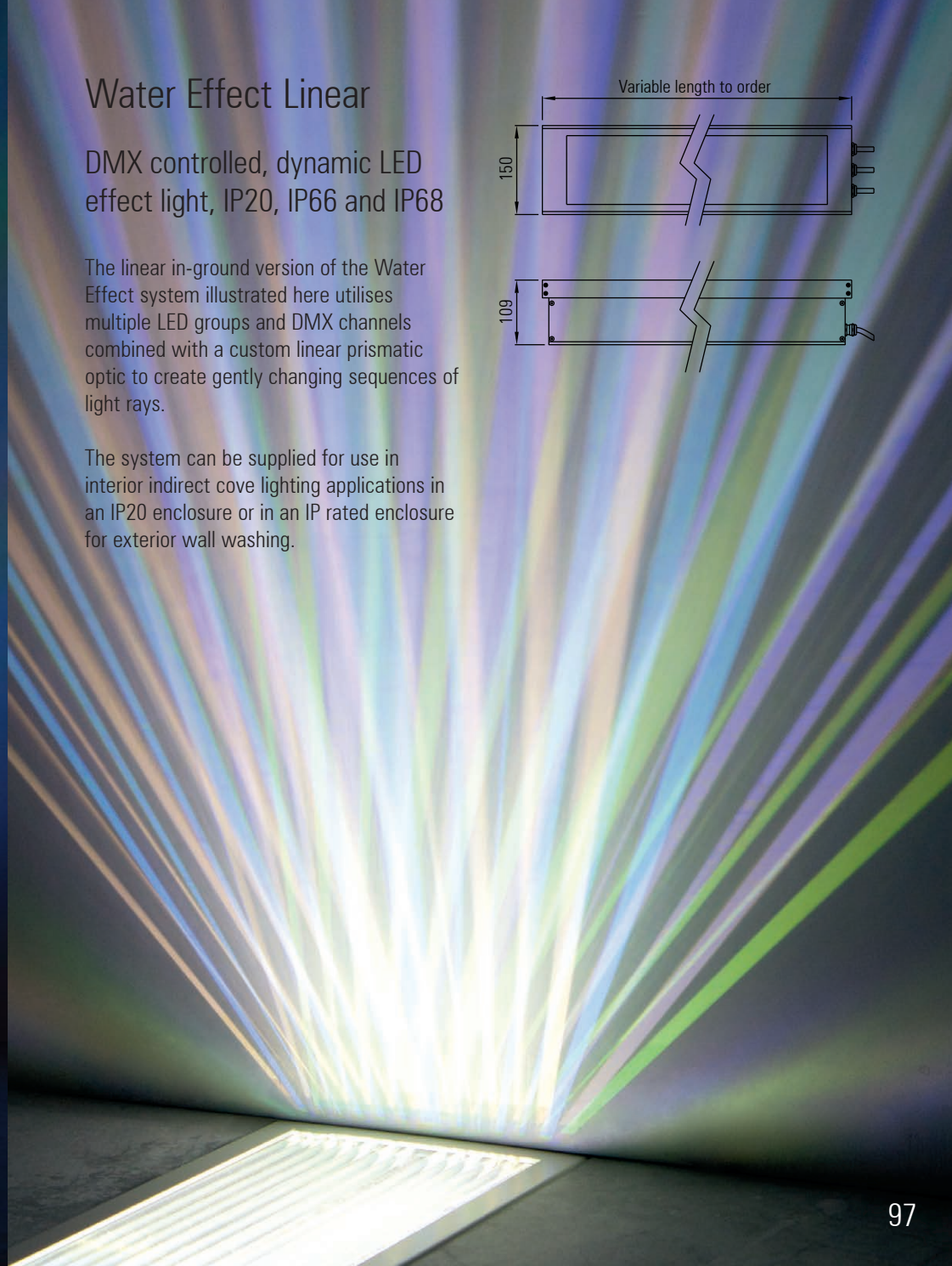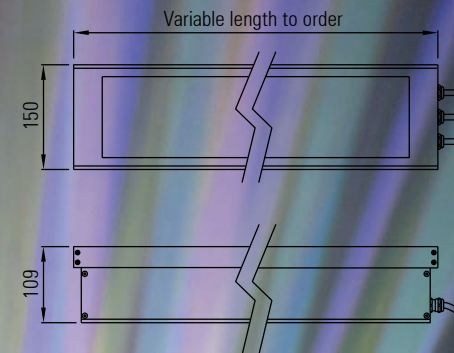
RAD Cube IP65

RGBW LED wall light

The RAD Cube IP65 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.
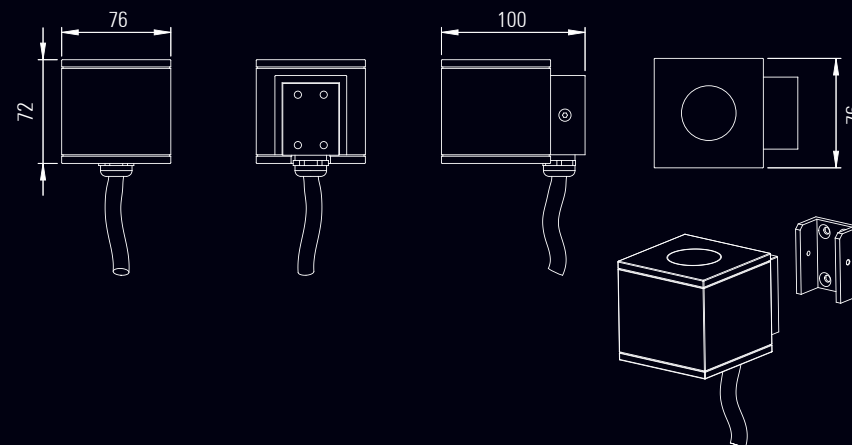
The RAD Cube can also be produced with a dynamic white LED array and DMX control.

The luminaires can be linked together in a chain with 5 core exterior grade cable and IP68 connectors for easy wiring.
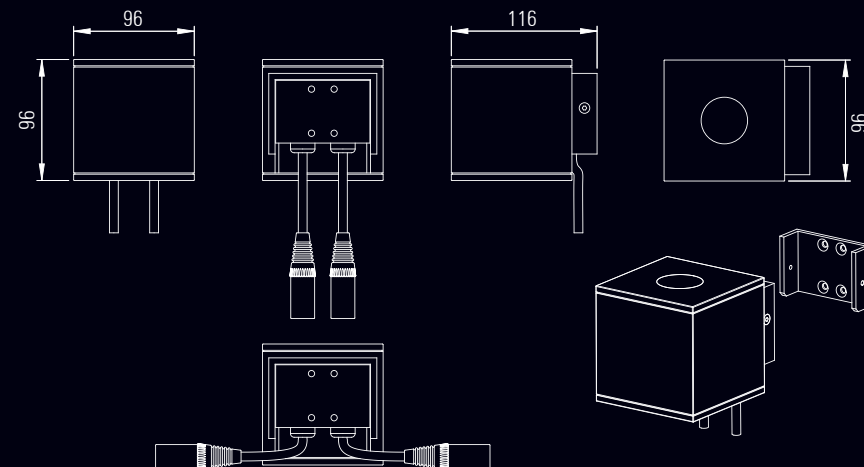
7 Watts produce approximately 500 lumens depending on LED configuration.
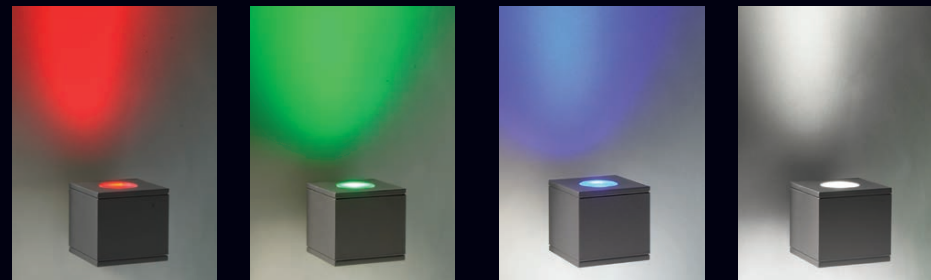
RAD Cube 75:

RAD Cube 95:

RADIANT
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