

silent

Making illumination better

[www.silent.design](http://www.silent.design)



## Silent Intro

Silent provides lighting solutions that are bang on trend and bang on budget. We work hard to make spaces come alive with innovative and well thought out light fittings. We use superior build quality as well as sourcing the most reliable and best performing components. Our commitment to sustainable and energy efficient lighting means cost of ownership is as low as possible

For residential lighting we have a range of super small trimless downlights and thin linear lighting. These will enhance your space by providing the right amount of light and from a discreet source.

For commercial lighting we make our modulars in the UK to your specifications. Custom lengths of linear lighting and downlights add to our extensive range. Our commercial lighting has some of the highest efficacies in the industry and using LED and drivers from well known brands means the lifetime of the fittings is as long as possible.

Not only do we have energy efficient lighting but we also have a range of Minimum Plastic Content lighting to ensure that an absolute minimum of plastic gets into the environment when the fittings come to the end of their life.

Quality, reliability and style are the corner stones of our range. We hope you see solutions for your next project in the coming pages.

Silent Lighting is a community member of the DiiA. We use the DALI logo where DALI compliant components are used in our products  
<https://www.digitalilluminationinterface.org/membership/member-companies.html>



Digital Illumination  
Interface Alliance







**Lighting studies – take a look  
at how lighting affects the  
space you occupy**





**15 degree**

A narrower degree beam angle creates strong highlights in the space. This image shows the ANT with a 15 degree beam.



**36 degree**

A wider degree beam angle still creates highlights in the space. With the wider beam angle you will notice the light illuminates the walls more and the intensity of the spots has reduced. The wider the beam the better it is for general illumination. This image shows the ANT with a 36 degree beam.





**60 degree**

Using a 60 degree very wide beam angle you can see that there is very little in the way of highlights and provides good even illumination on the walls and floor. This image shows the BURST with a 60 degree beam angle.



**38 degree**

Using a 38 degree lens and a spreader lens we get a small highlight and much more light spread onto the walls and floor which is excellent for general illumination. This image shows the WOLF with a 38 degree beam and a opaque lens cover.



**louvre**

In this example of downlight only suspended linear lighting you can see that with the louvre optics it has a higher concentration of light on the floor and less light on the walls than the opal optics. The scheme should provide less glare than the opal diffuser however.



**opal**

With this linear lighting with the opal diffuser you can see the light is very uniform on the floor and has greater illumination on the walls. Notice the reflections in the windows as the diffuser causes more glare than the louvre.





**louvre**

Using direct and indirect light with louvre optics on the downlight segment we can create a more even spread of light and one that is comfortable for screens and the eyes.



**opal**

With the opal diffuser for both up and down light components a fully even lit space can be achieved. Notice the extra light on the wall of this model which make the space appear brighter.



**surface**

Using the BREVIS surface downlight with 90 degree optics it looks similar tot the STALK in the next image with even illumination on the desk and floor. Only the walls have a little less illumination. Depends what look you are after in terms of exposed or no ceiling scenarios as to what works best for your project.



**recessed**

Using the STALK 90 degree recessed downlight for false and modular ceilings it creates a nice well illuminated space.





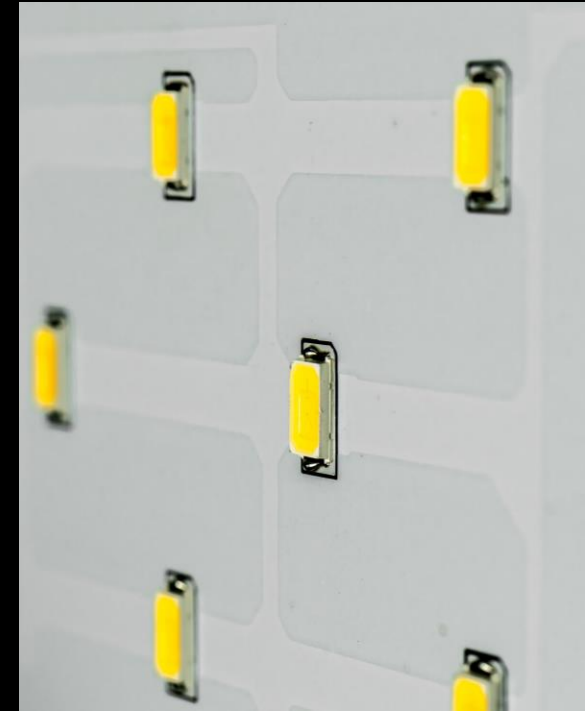
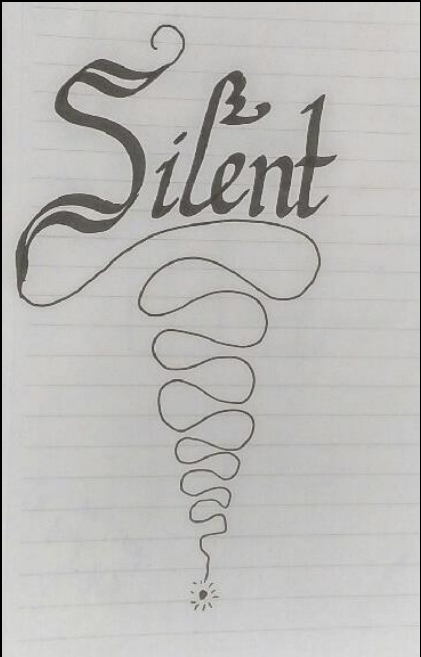
**Square**

The wolf is a 120mm square recessed down light gives off a good uniform distribution of light. Compared to the BURST 60 degree on the next page there is not much in it. Square or round? You decide.



**Round**

Showing the BURST 60 degree recessed downlight. a more focused beam angle is useful to highlight specific areas.





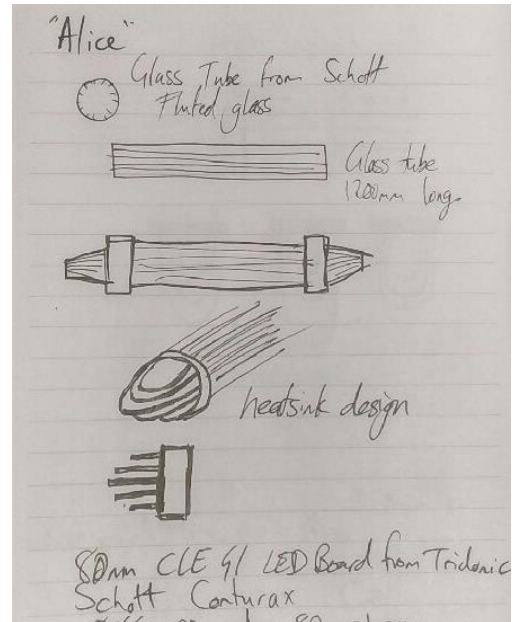
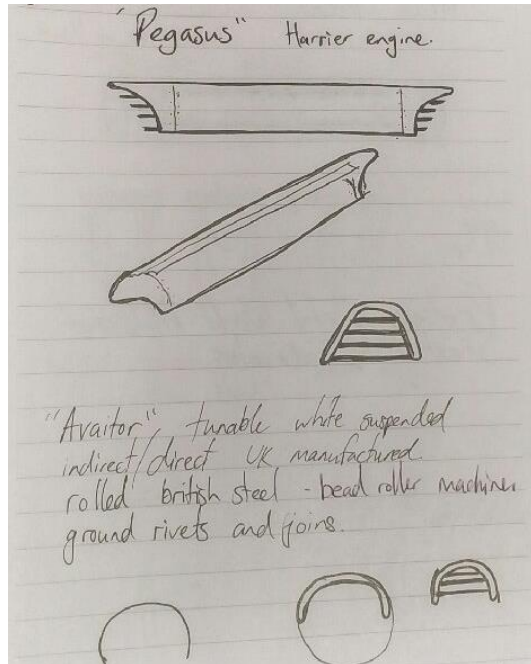


## Description

Utilising our knowledge of light sources, optical parts, LED technology and metal working, we can put together custom bespoke solutions to suit your needs. Email us at [info@silent.design](mailto:info@silent.design) to talk to us about your requirements

Our most common solutions are:

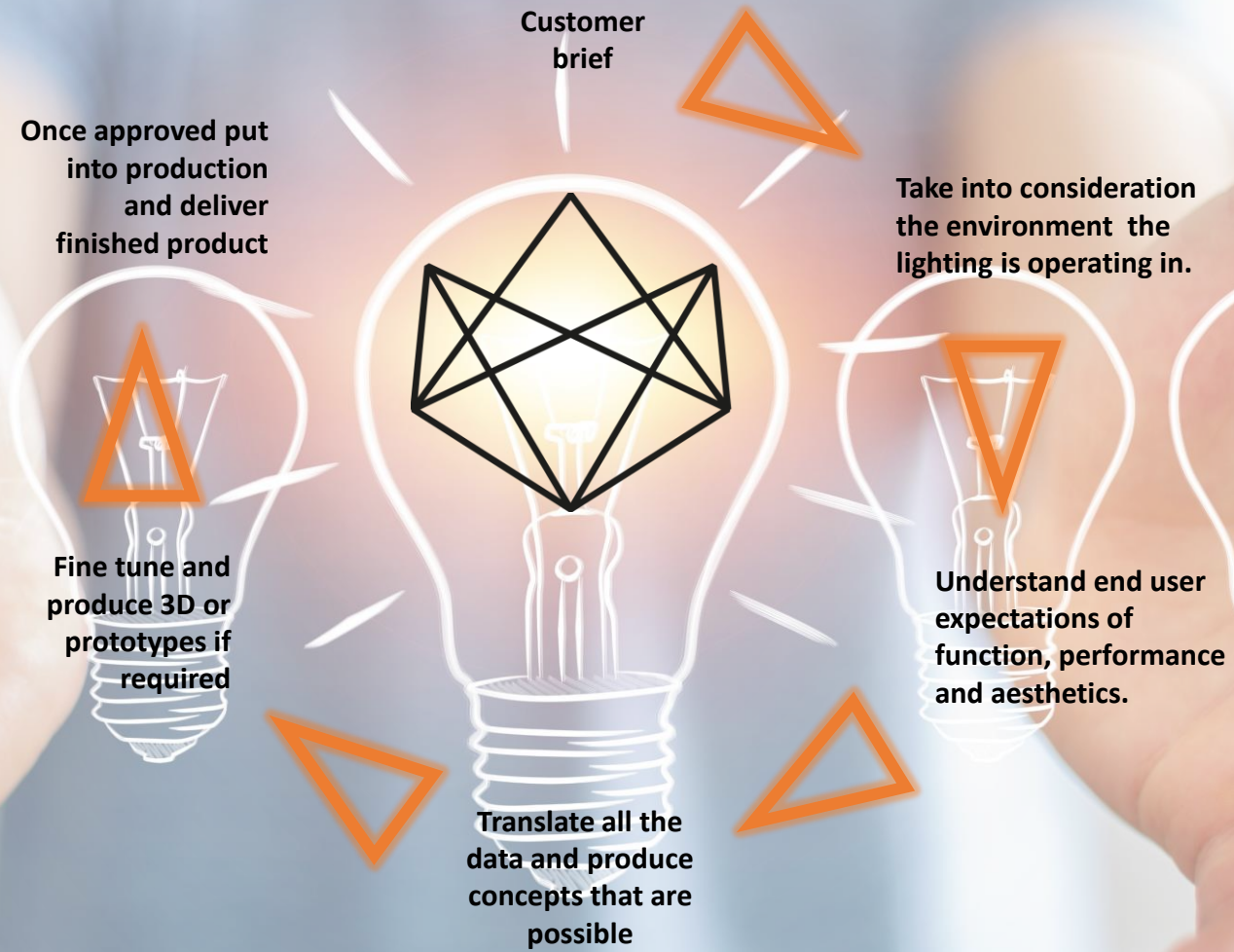
- Custom ceiling type integration
- Recessed trimless linear runs with spots and general lighting
- One off bespoke items to suit
- Small run lighting to replace existing units





### Our process

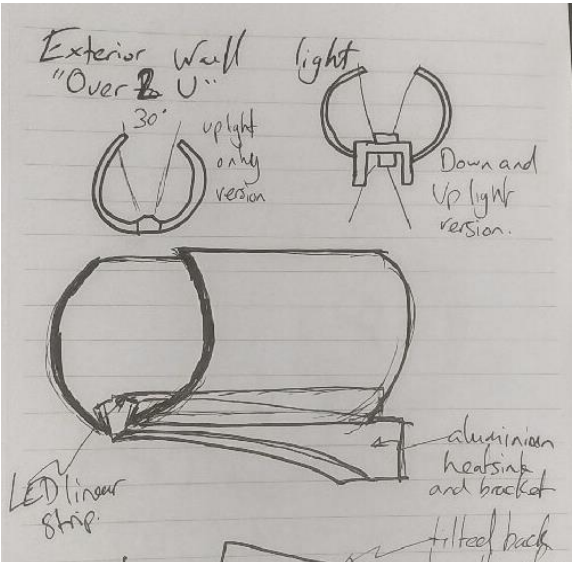
Listening to our customers requirements and producing a solution that makes them smile is our goal every time.







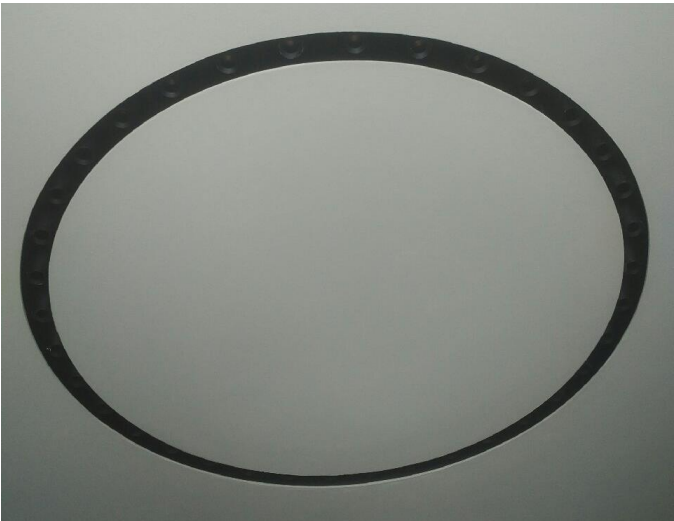
Custom linear profiles



Design service



PIR infill panels to suit different manufacturers



Bespoke fittings



Made to fit lighting



Product listings

Contents – click on the image to go straight to the page!

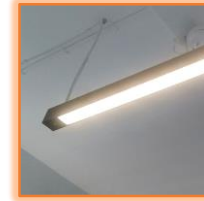


### 01 – PRO Line linear lighting

High performance linear lighting for commercial applications in suspended, recessed and surface mounting



Recessed



Suspended  
Down light  
only



Suspended  
Up and  
down light

### 02 – LED Linear profiles

A variety of small to medium LED profiles for use with LED tape for commercial and residential applications



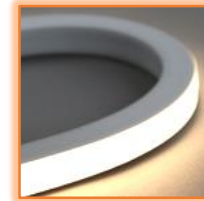
From 25mm  
to 100mm  
wide

### 03– LED Whip

A flexible LED profile in either side or top emitting varieties. Useful for commercial or residential applications.



Top  
emitting



Side  
emitting

### 04– Small commercial downlights

Downlights with high lumen output and small diameter of 100mm or less perfect for commercial applications



90mm 10w



103mm 11w



90mm IP65



105mm 20w



90mm 12w



Contents – click on the image to go straight to the page!



### 05 – Med commercial downlights

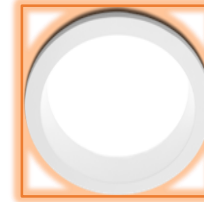
High output downlights for commercial applications in a medium sized form factor. Some models are capable of UGR<19



UGR<19



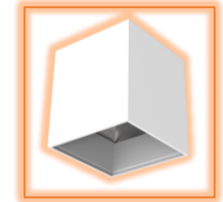
Square



Disc / IP44



Surface



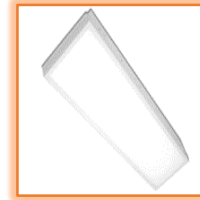
Square Surface

### 05 – Hornet recessed modular

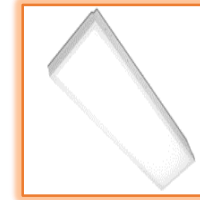
High performance and quality recessed modular Made in the UK to suit all ceiling types.



600 x 600



1200 x 300



1500 x 300

### 07– LiT bespoke modular

Made in the UK to your specifications. The LiT has it all



LiT  
Custom  
modular

### 08– Ancillary and Industrial

Lighting for stairs, corridors, back of house, industrial, car parks etc



IP65 Vapour Proof



IP66 Flood lights



IP66 High bays



Bulkheads



IP44/65 modulares



09 – Pro spot lights  
Spot lights with high aesthetic minimal  
qualities for high end residential and  
commercial applications



ATTO- 33mm



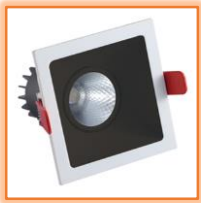
NANO- 50mm



MICRO- 90mm



Square - trimless



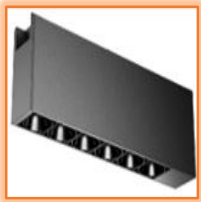
Square



Surface



Linear- trimless



Linear- surface



Linear- wall wash



Single,  
Double &  
Triple spots

10 – Suspended pendants  
High quality LED pendants for  
receptions and break out areas



610mm  
CASSI EVO



340mm  
CASSI



400mm  
600mm  
900mm  
TRACE





**11 – Magnetrac track**

High output magnetic track and lighting suitable for retail and commercial applications. Surface and recessed mounting. 50mm wide

Trimless



Surface



Linear



Linear Spots

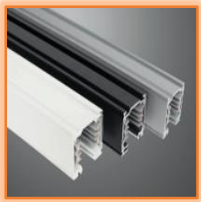


Spots



**12 – Track**

Standard track suitable for retail and commercial applications. Surface and recessed options.



3 circuit  
and  
DALI track



NANO  
Spot



MICRO  
Spot

**13 – Granite Line**

Recessed trimless linear with spots. Very slick solutions for receptions and retail projects



**14 – Emergency Lighting**

Recessed, surface, twin spot, slim head emergency lighting





PRO LINE linear lighting



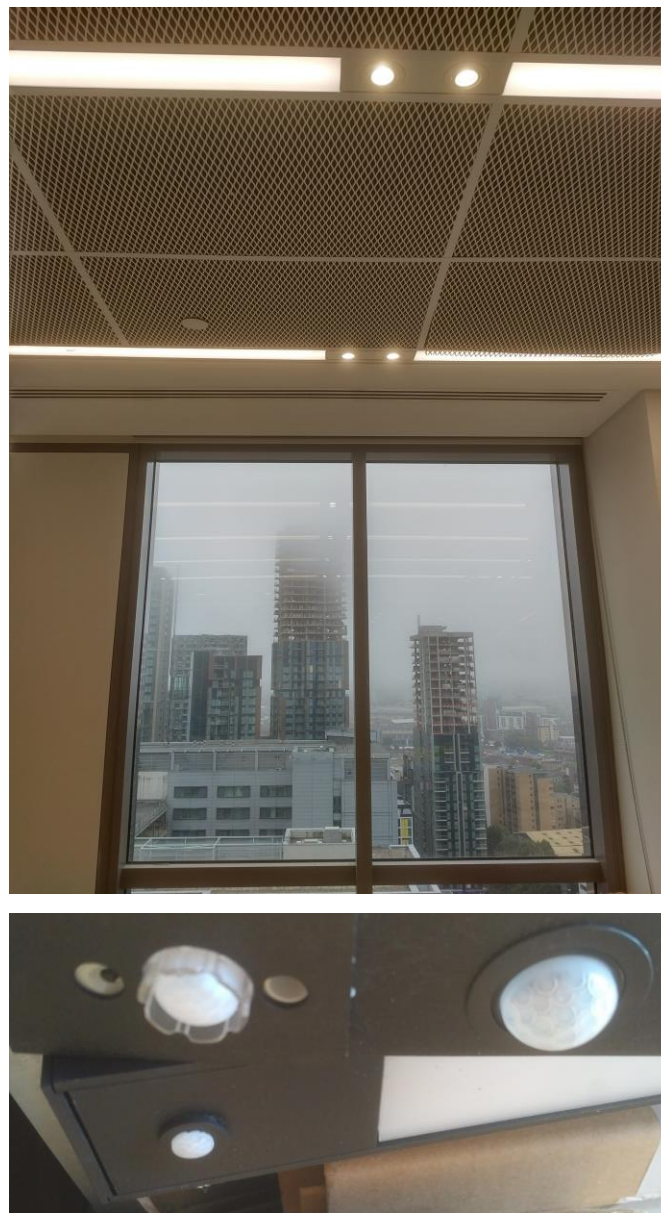
# PRO LINE linear lighting



## Description

PRO Line is not just a single profile light, but also a system of LED modules that can be combined to any length and to create almost any configuration imaginable for interior spaces. Besides its compact structure, the PRO Line series can even be designed with independent direct/indirect lighting output with separate intelligent control of brightness or color temperature, including three different types: anti-glare louvre for free glare, micro-prismatic diffuser for high visual comfort, opal PC diffuser for high efficiency.

High-quality materials, Minimalist look, Versatile technology gives PRO Line excellent aesthetics and high performance. Moulded end caps to deliver zero light bleed. Safety covers to ensure no live contact on the LED boards and a host of other features make the PRO Line the specification choice.



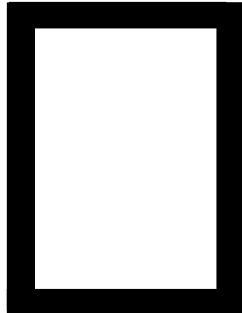


## PRO LINE PROFILE SHAPE IDEAS

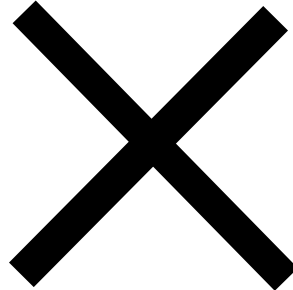
CORNER



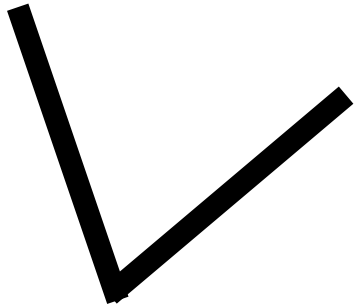
RECTANGLE



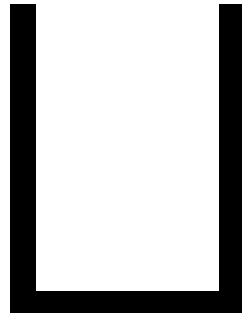
CROSS



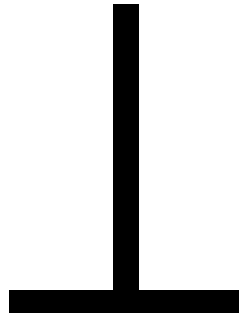
ODD ANGLES



U SHAPE



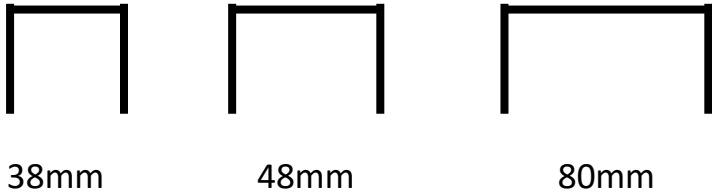
T SHAPE



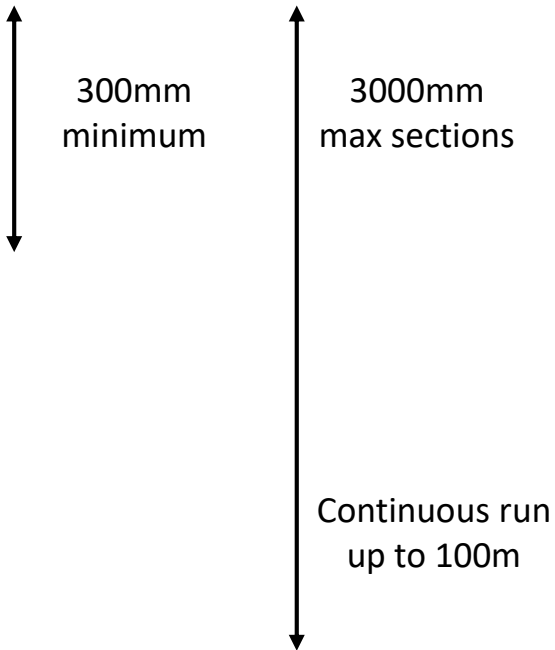
- Width 35mm , 48mm and 80mm wide
- Variable length – custom to your requirements
- Shapes—Linear, corner, cross, Square, T, U shapes
- LEDs with MacAdam3 colour tolerance
- Adjustable or fixed LED spot module options
- Flush or recessed infill panels can be made to accommodate other services
- Opal diffuser 70% LOR
- Trimless plaster in or surface mounting
- Tunable white option
- DALI as standard with DALI EM modules
- Quality Tridonic or Philips drivers and LEDs



PROFILE WIDTHS



PROFILE LENGTHS



LINEAR LIGHT OPTIONS



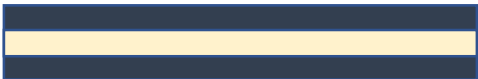
Infill panels



Linear light to total length and width



Linear lengths to suit with infill panels



Linear light to another width within main profile

SPOT LIGHT OPTIONS



Fixed Mini Spots – single, double or triple modules. Profile must be 48mm wide minimum



Adjustable spots- single modules. Profile must be 80mm wide minimum



Adjustable spots- double modules. Profile must be 80mm wide minimum

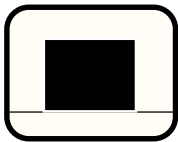


Adjustable spots- triple modules. Profile must be 80mm wide minimum

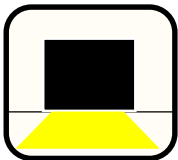




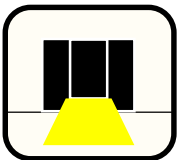
FURTHER PROFILE OPTIONS



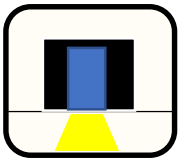
Trimless plaster in profile



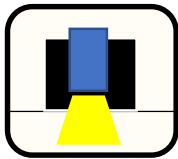
Linear lighting flush with edge of profile



Linear lighting recessed back from edge of profile



Spot lights flush with edge of profile



Spot lights recessed back from edge of profile

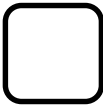
LED LINEAR AND SPOT OPTIONS



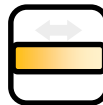
3000K LED source



4000K LED source



5000K LED source

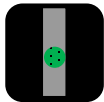


Tunable white



Emergency version. Standard or DALI EMPRO

INFILL OPTIONS



Integrated DALI PIR and photocells

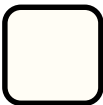


Infill panels to be a different colour to body of profile

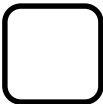


Integration of other services such as speakers, heat detectors, IOT sensors etc

FINISHES



White



Black



Custom RAL colour



## Description

Recessed linear lighting

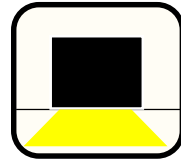
High quality aluminum profile

- diffuser: Micro Prismatic with excellent light transmission and homogeneous light distribution or high quality Opal PC
- powder coated finish in white RAL 9016, black RAL 9005 or grey RAL 9006 fine

Texture as standard

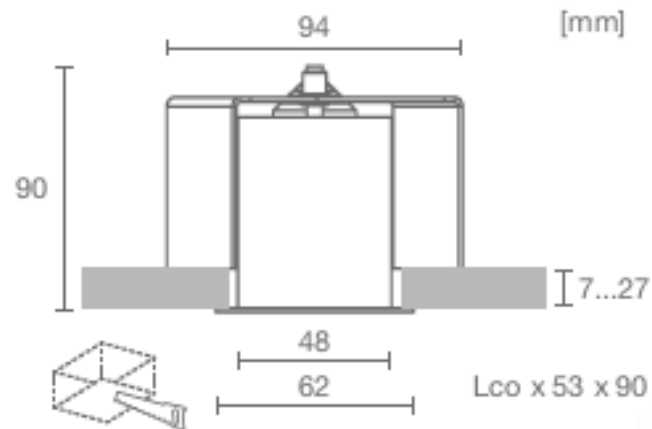
- including mounting kits

Trimless or trim profile



Recessed down light  
only.  
Trim or trimless

Standard lengths  
Start from 860mm  
Longest length 2260mm



## Features

- Aluminium housing
- 48mm wide
- DALI or switching
- Direct angle 100 degrees
- 3000K or 4000K  $ra > 82$
- Finished in black, White, Silver
- 27w LED 2500lm
- 46w LED 4240lm
- 74w LED 6729lm
- Standard lengths and custom available





## Description

Surface /suspended linear lighting

High quality aluminum profile

- diffuser: Micro Prismatic with excellent light transmission and homogeneous light distribution or high quality Opal PC
- powder coated finish in white RAL 9016, black RAL 9005 or grey RAL 9006 fine Texture as standard
- including mounting kits

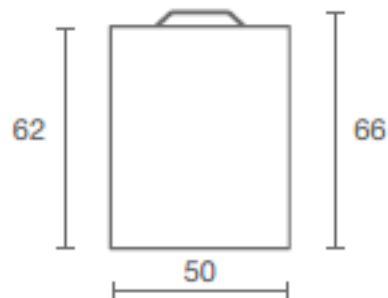
## Features

- Aluminium housing
- 50mm wide
- DALI or switching
- Direct angle 100 degrees
- 3000K or 4000K  $ra > 82$
- Finished in black, White, Silver
- 27w LED 2500lm
- 46w LED 4240lm
- 74w LED 6729lm
- Standard lengths and custom available



Surface or suspended  
Down light only

Standard lengths  
Start from 1266mm  
Longest length 2456mm







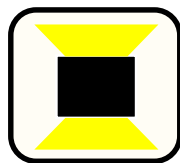
## Description

Surface /suspended linear lighting  
High quality aluminum profile with direct and indirect light distribution

- diffuser: Micro Prismatic with excellent light transmission and homogeneous light distribution or high quality Opal PC
- powder coated finish in white RAL 9016, black RAL 9005 or grey RAL 9006 fine Texture as standard
- including mounting kits

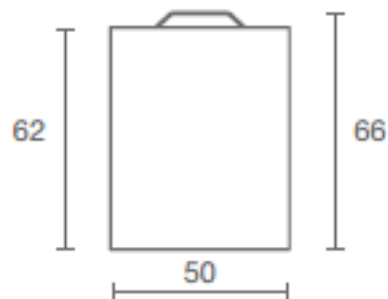
## Features

- Aluminium housing
- 50mm wide
- DALI or switching
- Direct angle 100 degrees
- 3000K or 4000K  $ra > 82$
- Finished in black, White, Silver
- 35w LED 3400lm
- 52w LED 5000lm
- 81w LED 7900lm
- Standard lengths and custom available



Suspended up and down light

Standard lengths  
Start from 860mm  
Longest length 2260mm





## NANO LED SPOT TECHNICAL DETAILS

Overview: The NANO range is a compact LED spot light finished in white, or black.  
Integrated in PRO LINE profile in single, double or triple spot options.  
Powered by Tridonic LED light engine and drivers.  
Available with 18, 36 or 60 degree beam angles.  
DALI dimming option.  
Three colour temps: 2700K, 3000K & 4000K  
Construction: Aluminium  
Controls: Electronic - Standard and DALI  
Efficiency: Optical efficiency (DLOR) 89%  
LED lifetime 60,000 hours L80  
Colour Rendering CRI>80 (CRI>90 on request)

Wattage	Luminaire Output	Colour temp
7.4W	514lm	4000K
12.3W	945lm	4000K
8W	500lm	3000K
13W	900lm	3000K



Data for 2700K is available upon request. Wattages quoted include any losses from the driver



48mm wide profile  
Integration with  
NANO spot



80mm wide profile  
Integration with  
NANO spot



## MICRO LED SPOT TECHNICAL DETAILS

Overview: The MICRO LED Spot range is a high output LED spot light finished in white, or black. Integrated into the PRO LINE profile in single, double or triple spot options.

Powered by Tridonic LED light engine and drivers.

Available with 18 or 36 degree beam angles.

DALI dimming option.

Two colour temps: 3000K & 4000K

Construction: Aluminium

Controls: Electronic - Standard and DALI

Efficiency: Optical efficiency (DLOR) 93%

LED Lifetime 60,000 hours L70

Colour rendering CRI>80 (CRI>90 on request)

Wattage	Luminaire Output	Colour temp
9W	750lm	4000K / 3000K
16.7	1650lm	4000K/ 3000K



Data for single spot only. Double or triple spots are 2 x and 3 x respectively. Wattages quoted include any losses from the driver







LED linear profiles



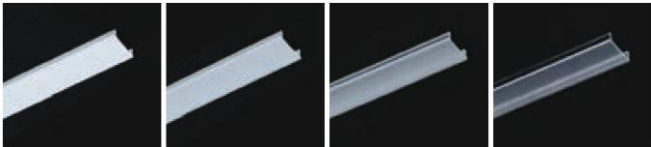
Description

A variety of LED profiles are available. Slim downlight only , wall wash, stair and up / down light to name a few. We will have the right profile for your project. Profile can be painted to any RAL colour you need.

Diffusers.

A compatible selection of diffusers is available for all profiles.

- Full Opal 70% LOR
- Opal 78% LOR
- Frosted 90% LOR
- Clear 94% LOR



Typical widths		20mm or less		30mm or less		50mm or less		100mm or less		>100mm
m down nt profile any RAL										
available for										





LED WHIP- flexible linear lighting





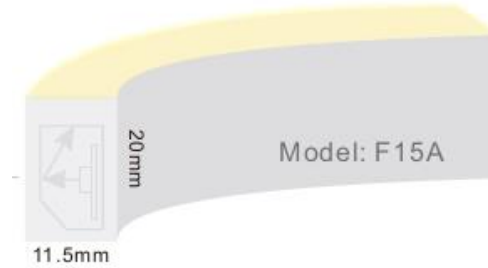
## Description

Flexible LED strip available in a variety of colour temperatures. Simple and easy to fit and wire. No visible LED dots for a pure line of light. Water proof to IP68.

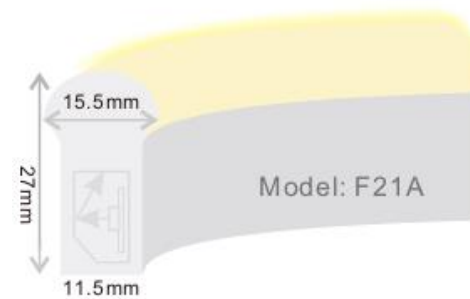
Two profiles – side emitting or top emitting  
Maximum bending radius 80mm horizontally for the WHIP-T top emitting and maximum bending radius 120mm vertically for the WHIP-S side emitting strip.

## Features

- Two profile to choose from
- DALI, DMX or switching
- Direct angle 120 degrees
- 3000K or 4000K  $ra > 80$
- Finished in grey
- 3000K 268lumens /m
- 4000K 312 lumens /m
- Standard lengths and custom available
- Flexible LED lighting
- IP68 rated
- IK08 rated

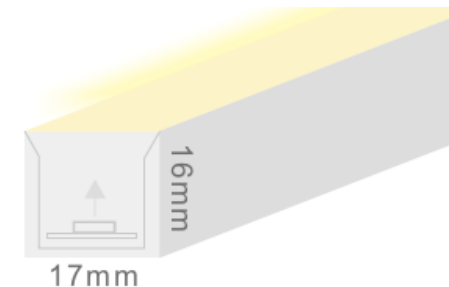


Model: F15A

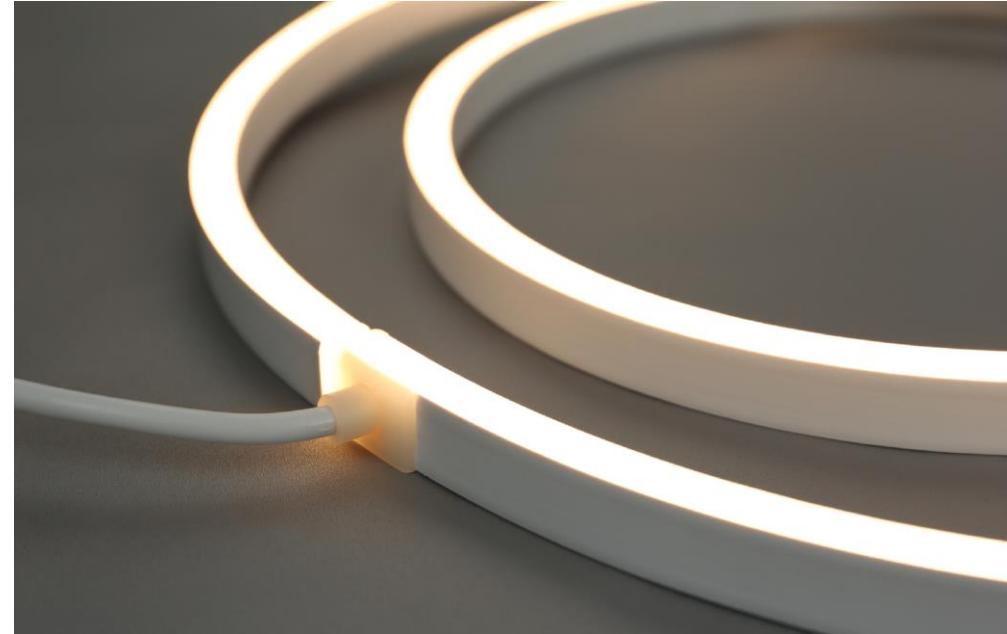


Model: F21A

LED WHIP-T top emitting strip



LED WHIP-S side emitting strip





Small commercial downlights

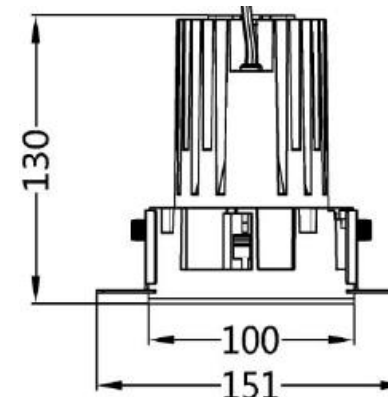
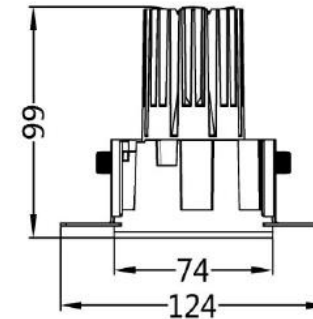
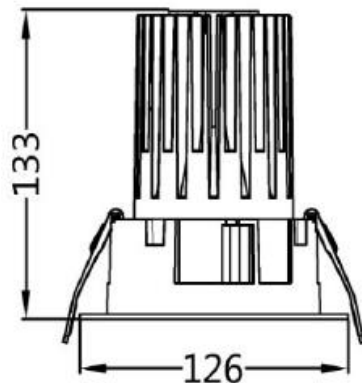
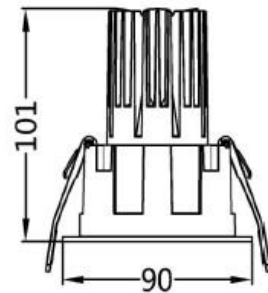


### Description

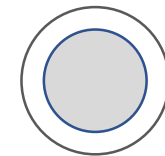
With anti glare technology this small recessed light will be welcome in any interior. A range of ring and diffuser colours will also mean this works with your interior scheme. Two sizes with output options to suit. Adjustable version with 20 degree tilt.

### Features

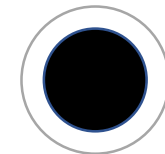
- Aluminium housing
- Compact light 90mm inc ring.
- Anti glare design
- 3000K or 4000K Ra>82
- Beam angle 15/36/55 degrees
- Cutout 80mm for 90mm
- Cutout 110mm for 125mm
- Dimming –DALI/1-10v/Switching
- 90mm 7w 600lumnes
- 90mm 10w 860 lumens
- 125mm 15w 1275 lumens
- 125mm 25w 2000 lumens



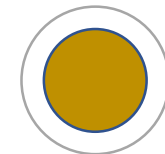
### Reflector options



WS-White Silver



WB-White Black



WG- White Gold



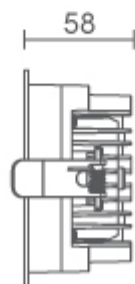
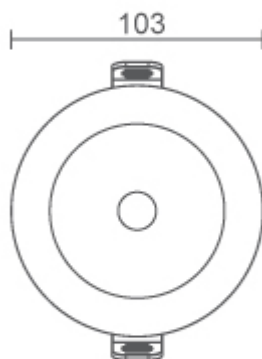


## Description

BURST-M has a choice of beam angles and outputs make this a very versatile downlight.. The BURST is low in height making it suitable for most applications

## Features

- Aluminium housing
- Compact light 103mm inc ring.
- Anti glare design
- 3000K or 4000K Ra>82
- Beam angle 36/60 degrees
- Cutout 90mm
- Dimming –DALI/1-10v/Switching
- 8w 776 lumens
- 11w 958 lumens

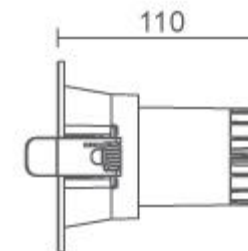


## Description

The CRICKET uses the CREE XPE LED engine to ensure quality and longevity of the downlight. A choice of beam angles and outputs make this a very versatile downlight.

## Features

- Aluminium housing
- Compact light 90mm inc ring.
- IP65 rated
- 3000K or 4000K Ra>82
- Beam angle 14/24/36 degrees
- Cutout 80mm
- Dimming –DALI/1-10v/Switching
- 8w 630 lumens
- 10w 800 lumens



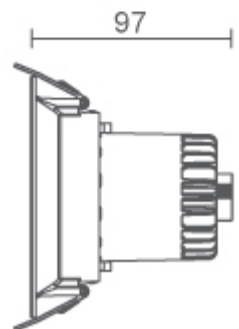
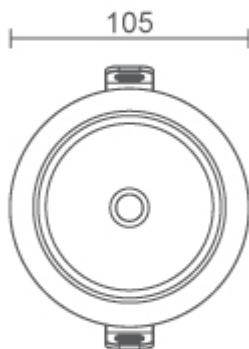


## Description

Higher output in a compact form factor the MANTIS also has a choice of beam angles and outputs make this a very versatile downlight..

## Features

- Aluminium housing
- Compact light 105mm inc ring.
- Anti glare design
- 3000K or 4000K Ra>82
- Beam angle 24/36/60 degrees
- Cutout 90mm
- Dimming –DALI/1-10v/Switching
- 13w 1180 lumens
- 15w 1430 lumens
- 20w 1860 lumens

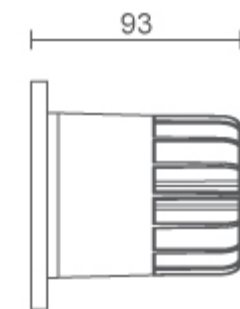


## Description

The RAY uses the CREE XPE LED engine to ensure quality and longevity of the downlight. A choice of beam angles and outputs make this a very versatile downlight.  
IP65 rated

## Features

- Aluminium housing
- Compact light 90mm inc ring.
- IP65 rated
- 3000K or 4000K Ra>82
- Beam angle 38/60 degrees
- Cutout 70mm
- Dimming –DALI/1-10v/Switching
- 9w 840 lumens
- 12w 1050 lumens



# Recessed WOLF LED downlight

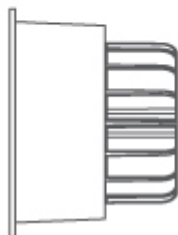
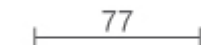
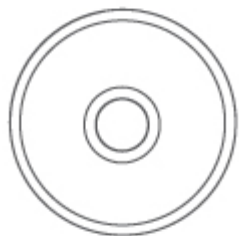


## Description

Good output in a compact glare free design. The WOLF also has a choice of beam angles. A high efficiency reflector produces a very effective spot light

## Features

- Aluminium housing
- Compact light 90mm inc ring.
- Anti glare design
- 3000K or 4000K Ra>82
- Beam angle 24/ 36/ 60 degrees
- Cutout 83mm
- Dimming –DALI/1-10v/Switching
- 10w 912 lumens







Medium commercial downlights

## Recessed BURST LED downlight



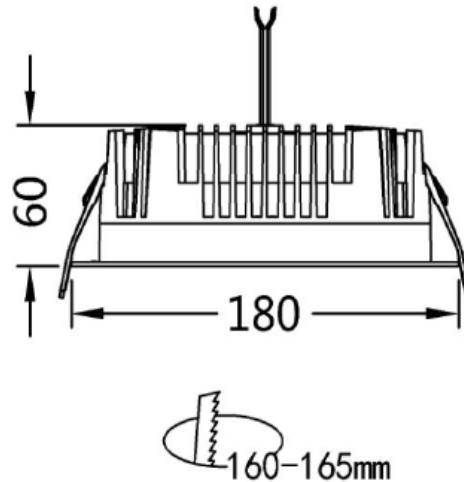
Black bezel option

### Description

A standard sized commercial downlight packing a UGR<19 rating and high efficiency of >100 lm/cw. IP44/65 versions also available. White or black reflector options

### Features

- Aluminium housing
- Anti glare design UGR<19
- 3000K or 4000K Ra>82
- Beam angle 90 degrees
- Cutout 160mm
- Dimming –DALI/1-10v/Switching
- 15w 1275 lumens
- 20w 1700lumens
- IP44 option
- IP65 option



## VULCAN LED downlight

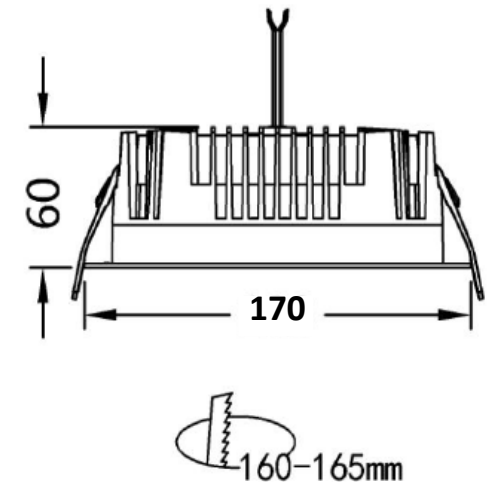


### Description

The VULCAN is a economical downlight with good efficiency and light output. Very low void to fit into tight spaces. The VULCAN has a recessed mounted frosted opal optic

### Features

- Aluminium housing
- 3000K or 4000K Ra>80
- Beam angle 90 degrees
- Cutout 160x 160mm
- Dimming –DALI/1-10v/Switching
- 15w 1275 lumens
- 20w 1700 lumens



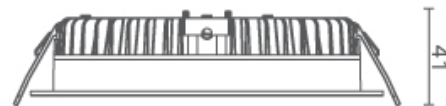
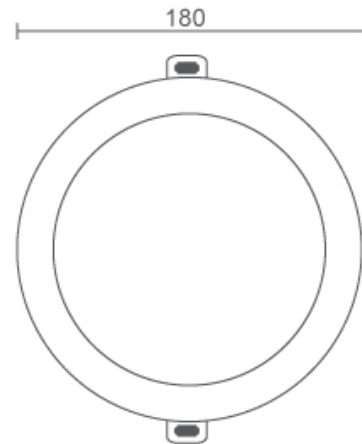


## Description

The STALK-R is a economical downlight with good efficiency and light output. Very low void to fit into tight spaces. The STALK has a recessed mounted frosted opal optic

## Features

- Aluminium housing
- 3000K or 4000K Ra>80
- Beam angle 90 degrees
- Cutout 160mm
- Dimming –DALI/1-10v/Switching
- 15w 1290 lumens
- 22w 1840 lumens

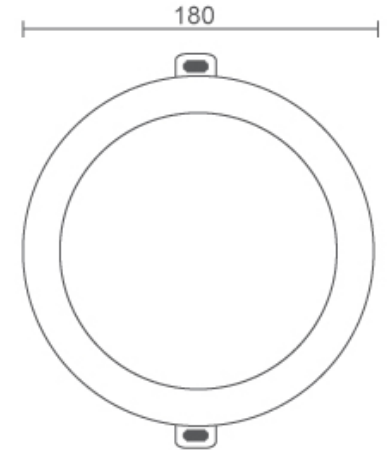


## Description

The STALK is a economical downlight with good efficiency and light output. Very low void to fit into tight spaces. The STALK has a flush mounted frosted opal optic

## Features

- Aluminium housing
- 3000K or 4000K Ra>80
- Beam angle 90 degrees
- Cutout 160mm
- Dimming –DALI/1-10v/Switching
- 15w 1290 lumens
- 22w 1840 lumens







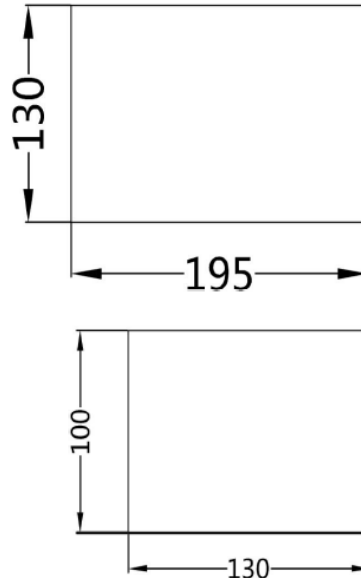
## Description

The Brevis D (Diffuser) is a Ø195mm large area downlight which can be surface (Standard) or suspended mounted. The heatsink is built into the body of the product which enables the downlight to run at cool temperatures without the common need for vents in the vertical walls. The downlight also has an IP44 rating when surface mounted.

## Features

- Aluminium housing
- 3000K or 4000K Ra>80
- 130mm high
- Beam angle 60 or 90 degrees
- White black or grey finishes
- Dimming –DALI/1-10v/Switching
- 15w 1360 lumens
- 20w 1800 lumens

BREVIS-DC compact  
130mm



## Description

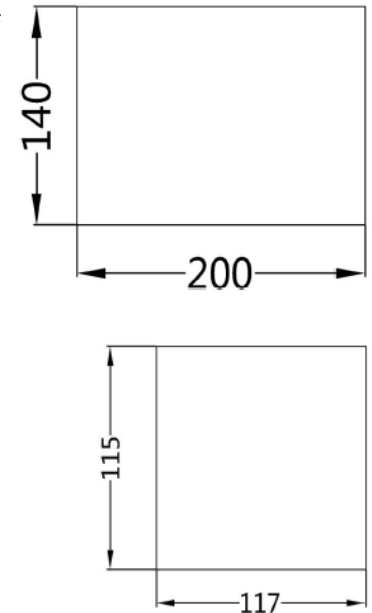
The Brevis R (Recessed Light Source) is a Ø200mm large area downlight which can be surface (Standard) or suspended mounted. The heatsink is built into the body of the product which enables the downlight to run at cool temperatures without the common need for vents in the vertical walls. The downlight also has an IP44 rating when surface mounted.

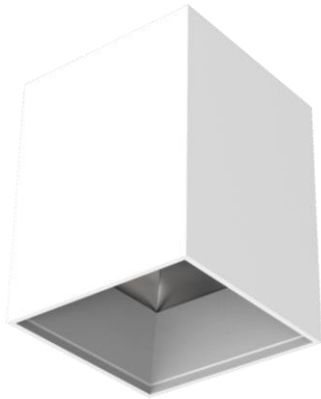
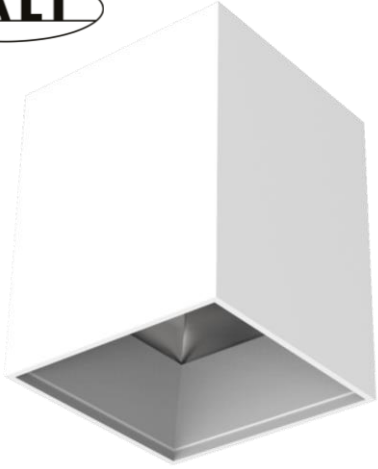
## Features

- Aluminium housing
- IP44 rated (surface mounted)
- 3000K or 4000K Ra>80
- 139mm high
- Beam angle 60 degrees
- White black or grey finishes
- Dimming –DALI/1-10v/Switching
- 20w 1700 lumens
- 25w 2125 lumens



BREVIS-RC compact  
117mm





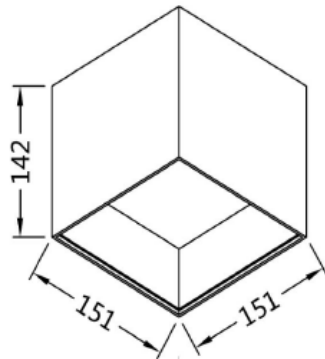
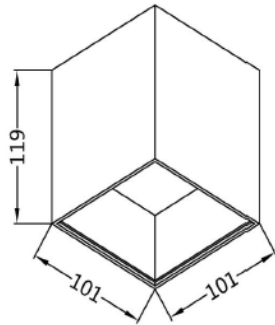
BREVIS-SRC compact  
101mm

#### Description

The Brevis R (Recessed Light Source) is 151mm square or 101mm square (compact) medium area downlight which can be surface (Standard) or suspended mounted. The heatsink is built into the body of the product which enables the downlight to run at cool temperatures without the common need for vents in the vertical walls. The downlight also has an IP20 rating when surface mounted.

#### Features

- Aluminium housing
- 3000K or 4000K Ra>80
- 133mm high
- Beam angle 38 degrees
- White black or grey finishes
- Dimming –DALI/1-10v/Switching
- 101mm 10w 861 lumens
- 101mm 15w 75 lumens
- 151mm 20w 1800 lumens
- 151mm 30w 2700 lumens



[www.silent.design](http://www.silent.design)



HORNET recessed modular lighting

Engineered and  
manufactured  
in UK







The Hornet is super versatile recessed light for your work environment. Not only is it easy to install, its highly efficient which means it won't cost the earth to operate. Its low glare optics provides an even soft light that promotes a happy work environment.

Designed and manufactured in the UK with high quality components, the Hornet is built to last. With plenty of options along with human centric lighting the Hornet is the best looking and performing modular light in the market.

- ✓ LG7 compliant
- ✓ Low glare UGR <19
- ✓ ECA technology list compliant
- ✓ Low running costs
- ✓ Happy workplace
- ✓ Easy on the eyes
- ✓ Easy to install
- ✓ Part L building reg compliant
- ✓ TP(a) fire rated optics
- ✓ Built to last

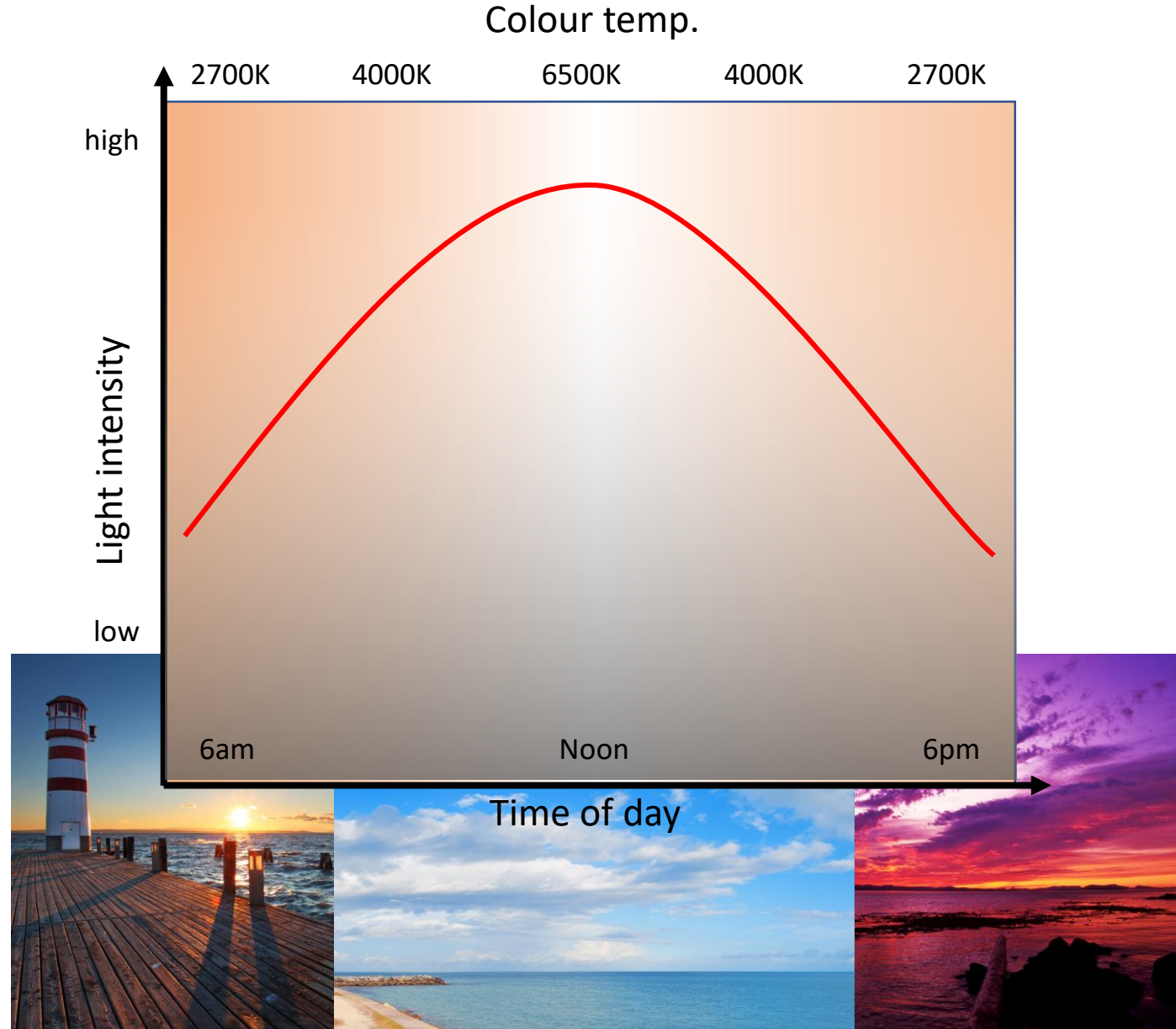
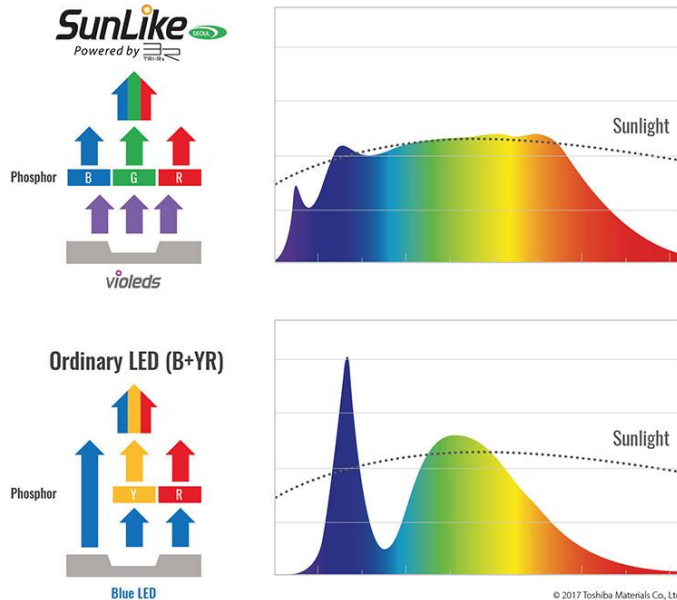


The great Hornet lighting potential:  
Increasing productivity  
Increasing accuracy  
Increasing performance



The Hornet can be equipped with two options for human centric lighting. We can incorporate some clever Sunlike LEDs that produce a full colour spectrum of light very close to natural sunlight. We can also use tunable white LEDs from 2700K to 6500K that tracks the change in colour temperature of the sun throughout the day.

Both options can be controlled via a time scheduled control system via DALI or Bluetooth. Please refer to our controls section for more details.





- Opal diffuser 70-80% efficient
- Standard sizes 500x 500, 600 x 600, 1200 x300mm
- LEDs with MacAdam3 colour tolerance. CRI>80 or CRI>90
- Recessed mounting within special SAS, Burgess etc ceilings
- Tunable white option for human centric lighting
- DALI as standard
- Quality Tridonic Advance LEDs or Philips Fortimo and drivers
- Standard or EMPRO emergency packs
- Air handling from 20l/s to 40l/s
- Custom edge details – teg, flush etc.
- Bluetooth and integrated PIR controls



## Compatible ceilings:

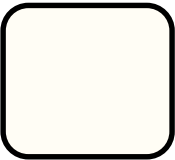
- SAS 120
- SAS 130
- SAS 150
- SAS 330
- Burgess
- Armstrong clip series
- Alugrid
- Trugrid
- T-grid standard



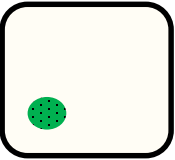
Custom edge detail means it will fit into any ceiling



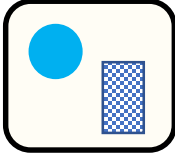




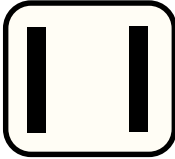
Addition of infill panels to the end of the light



Integrated DALI or Bluetooth PIR and photocells



Integration of other services such as speakers, heat detectors, IOT sensors etc



Air handling

**LED LIGHTING OPTIONS**



3000K LED source



4000K LED source



CRI>90 LED source

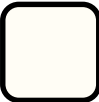


Tunable white / human centric lighting 2700K to 6500K



Emergency version. Standard or DALI EMPRO

**FINISHES**



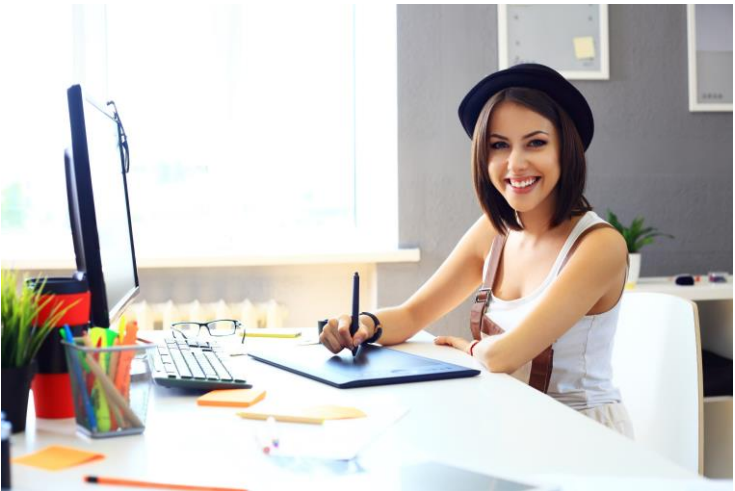
RAL 9010 20% gloss



RAL 9016 20 % gloss



Custom RAL colour



A range of clever features helps makes things easy from design to install and leaves you with a happy work space





**The latest class leading LED boards and drivers from Philips and Tridonic.**

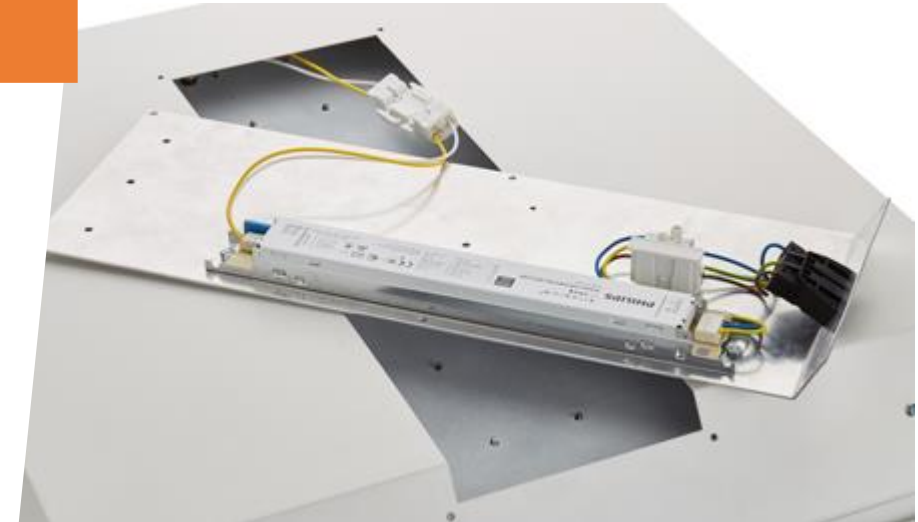


**Plug and play sockets as standard for quick installation**

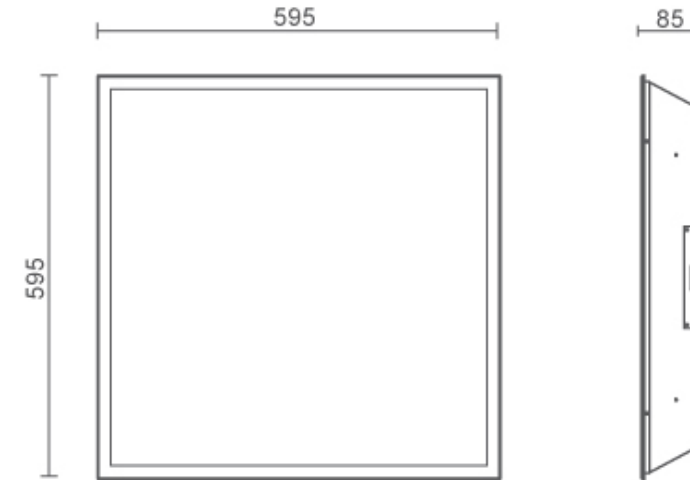
**The  
HORNET  
advantage**



**Bezels and edge details – tegular, flush – what do you need? We will make it for you.**



**Removable gear trays as standard. Need to convert a standard fitting to emergency? Just swap the gear tray out!**



## Description

Class leading modular product. Designed in Britain.

Manufactured in Britain. High quality LED and drivers from Philips.

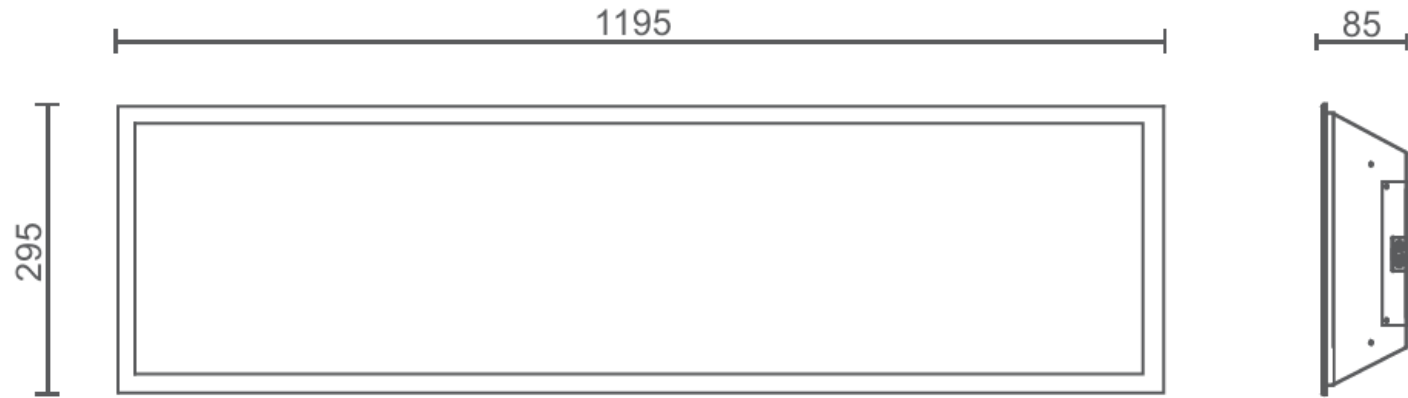
A truly adaptable modular for all metal ceiling types. Special edges and sizes can be made. DALI and DALI EMPRO is typical.

## Features

- Steel housing
- UGR<19
- Anti glare design
- Philips G2 fortimo LED
- Philips Simpleset LED driver calibration
- 5 year warranty
- TP(a) rated diffuser
- 3000K or 4000K Ra>80
- Dimming –DALI/1-10v/Switching
- Suitable for Burgess, Armstrong and SAS ceilings







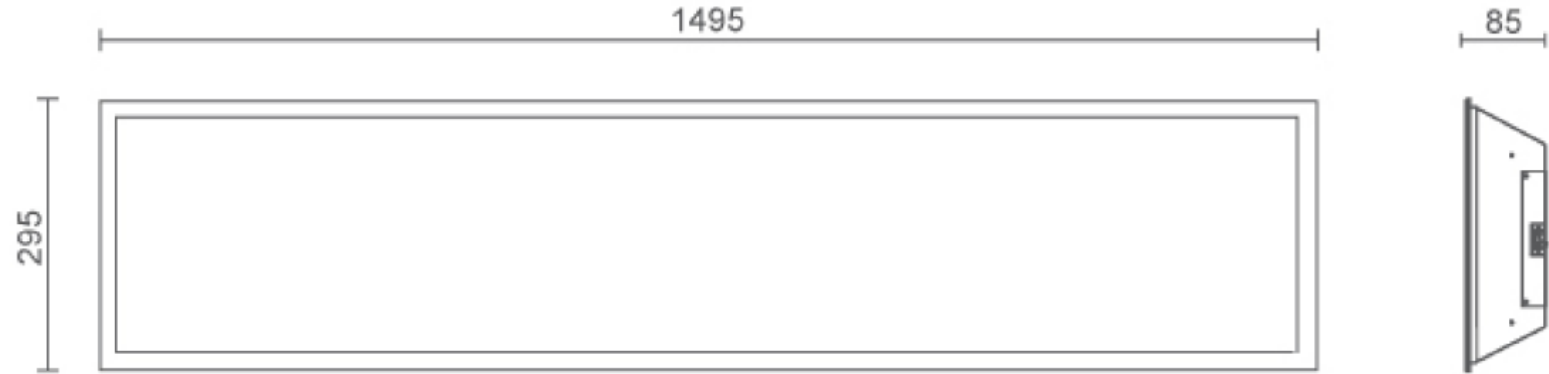
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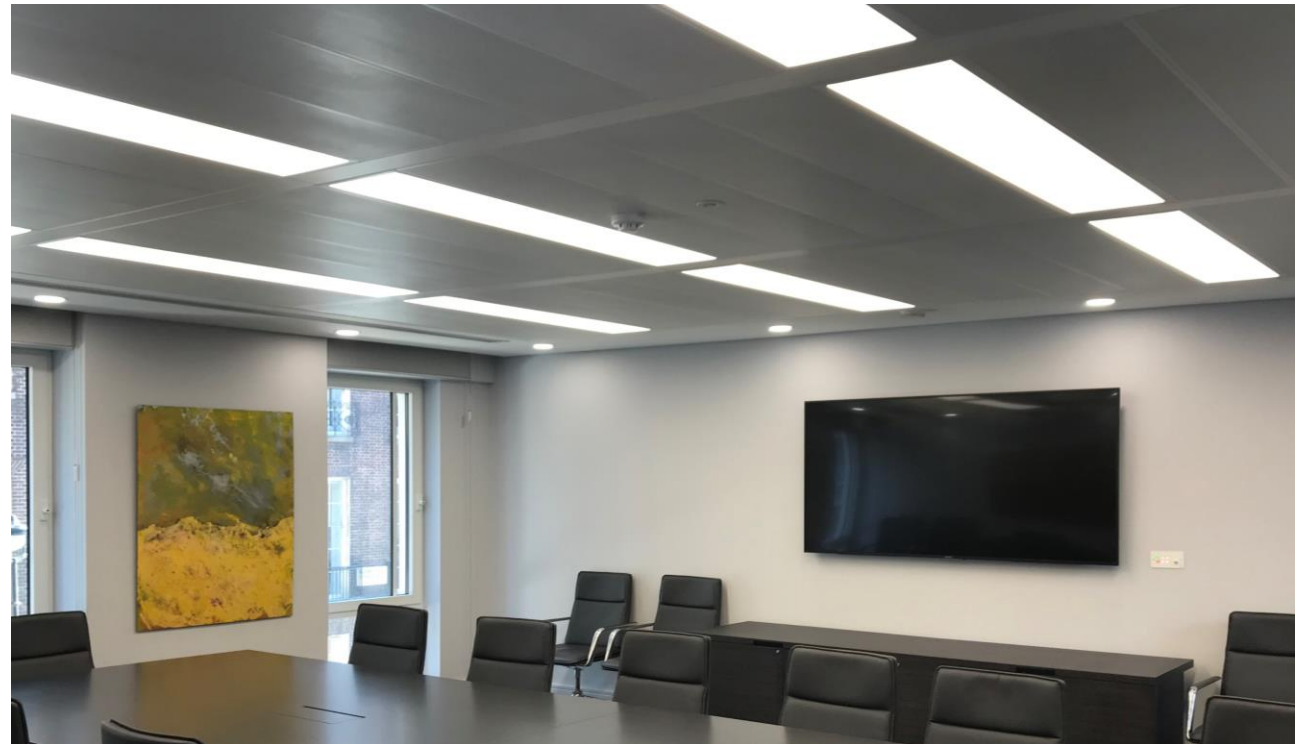


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- 3000K or 4000K Ra>80
- Dimming –DALI/1-10v/Switching
- Suitable for Burgess, Armstrong and SAS ceilings



[www.silent.design](http://www.silent.design)



LiT bespoke modular lighting

Engineered and  
manufactured  
in UK







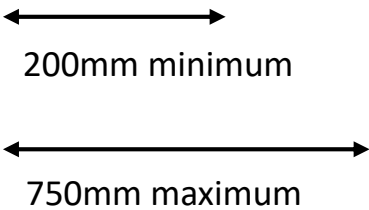
## The Light in Tile specification

- Variable tile width 200mm -600mm
- Variable tile length 300mm-2000mm
- Single or double lighting apertures
- LEDs with MacAdam3 colour tolerance. CRI>80
- Tiles can be made to accommodate sensors
- Opal diffuser 70% LOR
- Recessed mounting within special SAS, Burgess etc ceilings
- Tunable white option for circadian rhythm lighting
- DALI as standard
- Quality Tridonic Advance LEDs or Philips Fortimo drivers
- Air handling 20l/s to 40l/s

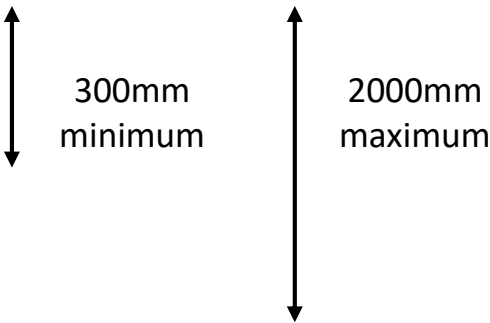












**LiT TILE WIDTH**



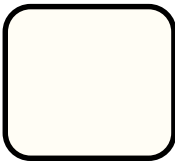
**LiT TILE LENGTH**



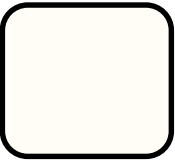
**LiT LINEAR LIGHT OPTIONS**

-  Light aperture 100mm wide
-  Light aperture 50mm wide
-  Double Light aperture 38mm wide each
-  Recessed aperture from front edge
-  Circular light aperture
-  Custom light aperture
-  750mm x 750mm tiles
-  500mm x 500mm tiles

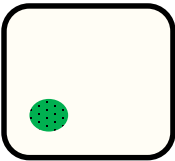
TILE OPTIONS



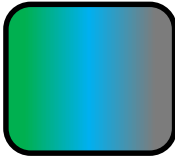
Standard solid tile



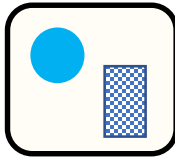
Perforated tile to suit ceiling



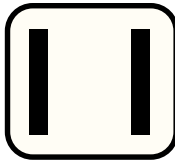
Integrated DALI PIR and photocells



Tile to be a different colour to the rest of ceiling



Integration of other services such as speakers, heat detectors, IOT sensors etc

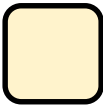


Air handling

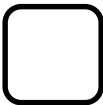
LED LIGHTING OPTIONS



3000K LED source



4000K LED source



CRI>90 LED source

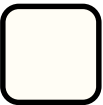


Tunable white 2700K to 6500K

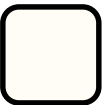


Emergency version. Standard or DALI EMPRO

FINISHES



RAL 9010 20% gloss



RAL 9016 20 % gloss



Custom RAL colour





IP and IK protected lighting for  
industrial and ancillary  
applications

## MEDIM IP66 IK08 Floodlight



### Description

Energy-saving floodlight fitting uses SMD LED source. A glass, prismatic diffuser and a die-cast aluminium reflector influence its excellent lighting parameters. An aluminium body, a glass diffuser and a metal gasket ensure high ingress protection against water and dust - IP 66. A clip and a fast mounting block inside enable electrical connection without using tools. Metal mounting side with an angle adjustment every 15° enables to direct the light beam precisely. Colour temperature 4000K; CRI>80; Standard Deviation Colour Matching (SDCM): ≤3

### Features

- Asymmetric or symmetric options
- 243mm x 330mm 48 watt 5050lm
- 265mm x 372mm 72 watt 7100lm
- 360mm x 450mm 120 watt 12400lm
- 4000K Ra>80
- Dimming –DALI/1-10v/Switching
- Adjustable mounting bracket every 15 degrees

## MAXIM IP66 IK08 Floodlight



### Description

High-quality floodlight with inbuilt LED source. The body is made of die-cast aluminium, powder coated in grey (RAL 9006), and the mounting bracket is made of black-painted steel. The diffuser is made of 5 mm thick tempered glass. It is equipped with directional lens matrices with 3 different light distributions: symmetrical (120°), asymmetric narrow ASN (30°) and asymmetric wide ASW (55°). Non-corrosive mounting bracket allowing for adjustment angles between 0° and 135°. The luminaire is available in 2 sizes: M and L. Versions available on request: with DALI.

### Features

- Asymmetric or symmetric options
- 396mm x 447mm 144 watt 21000lm
- 330mm x 447mm 23 watt 3600 lm
- 330mm x 447mm 35 watt 5300 lm
- 330mm x 447mm 48 watt 6800 lm

- 4000K Ra>80
- Dimming –DALI/1-10v/Switching
- Adjustable mounting bracket every 15 degrees



## Description

A powerful and reliable high bay fitting uses SMD LED source. A glass, prismatic diffuser and a die-cast aluminium reflector influence its excellent lighting parameters. An aluminium body, a glass diffuser and a metal gasket ensure high ingress protection against water and dust - IP 66. A clip and a fast mounting block inside enable electrical connection without using tools. Metal mounting for surface or suspended applications. Colour temperature 4000K; CRI>80; Standard Deviation Colour Matching (SDCM): ≤3

## Features

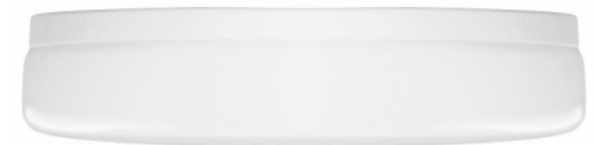
- Symmetrical beam
- 300mm x 424mm 96 watt 14000lm
- 396mm x 424mm 144 watt 21000lm
- 620mm x 430mm 192 watt 28000lm
- 820mm x 430mm 288 watt 42000lm
- 4000K Ra>80
- Dimming –DALI/1-10v/Switching
- Surface or suspended mounting

## Description

Surface mounted, round LED fitting with very high diffuser diameter, high luminous flux (78 lm/W) and even light distribution. Includes an integrated energy-saving light source . The base, powder coated white and black; light, white diffuser made using thermoforming method. Simple pawl-based mounting system does not require any additional tools. The luminaire may be used to replace standard four-lamp fittings in irregular shaped rooms. IP40 rated

## Features

- 400mm diameter, 100mm deep
- 3000k or 4000K options
- 3 hour EM pack with DALI option.
- 17 watt 1950 lumens
- White or black base.





## JANE 220mm-280mm IP54 bulkhead



### Description

Surface mounted, round LED light fitting with an ingress protection class of IP54 and an integrated energy-saving LED light source White base; diffuser made of impact resistant PC provides even light distribution and ensures a high impact resistance class (IK10). Additional overvoltage protection (SP500V).

### Features

- Opal diffuser
- IP54 rated
- IK10 rated
- 220mm 7 watt 800 lumens
- 280mm 13 watt 1500 lumens
- 72mm deep
- 3000K or 4000K
- Dimming –DALI/1-10v/Switching
- 3 hour EM version in 280mm diameter



## ARIA IP65 IK10 300mm Bulkhead



### Description

Surface mounted, round LED fitting with increased ingress protection class IP65 and integrated energy-saving LED light source. Body and base made of high-pressure cast aluminium and powder coated silver or graphite. Specially formed diffuser made of impact resistant PC ensures the highest possible impact resistance of the fitting (IK10). Color temperature 3000K/4000K, CRI>80, SDCM ≤ 3,

### Features

- 306mm diameter, 90mm deep
- 3000k or 4000K options
- 3 hour EM pack with DALI option.
- 17 watt 1950 lumens
- Silver or graphite base
- IK10 rated
- IP65 rated
- 15w 1550 lumens





## Description

ATLAS LED is a fitting with very high IP65 tightness and IK09 mechanical resistance. The solution based on integration of the diffuser and LED panel is applied in the fitting. The fitting has a lot of facilities making the mounting easier and faster: the system of diffuser suspension, adjustable mounting brackets ensuring the mounting tolerance +/-40mm. Standard equipment of the fitting: clips made of stainless steel (INOX). Warranty up to 5 years.

## Features

- Matt diffuser
- IP65 rated
- IK09 rated
- 1152mm 36 watts 4500 lumens
- 1432mm 47 watts 6000 lumens
- 85mm wide x 80mm deep
- 4000K
- Dimming –DALI/1-10v/Switching
- 3 hour EM version with DALI option



## Description

The lighting fixture has been designed from scratch. TYTAN LED BASIC includes new solutions which improve the light distribution and the temperature balance. The new LED panels ensure high luminous efficacy of >130 lm/W. This provides the required level of lighting along with significant energy savings.

The lighting fixture includes many improvements which facilitate and speed up the installation process: a solution involving the integration of the diffuser with the LED panel, a diffuser suspension system, and adjustable mounting brackets with an installation tolerance of +/-40 mm. As a standard, the fixture is equipped with robust clips made of stainless steel (INOX). The body of the fixture and the diffuser are resistant to UV radiation.

## Features

- Matt diffuser
- 1152mm 39 watts 5740 lumens
- 1152mm 48 watts 7100 lumens
- 1432mm 49 watts 7200 lumens
- 1432mm 71 watts 10400 lumens
- 3 hour EM pack with DALI option.
- IK09 rated
- IP65 rated





## Description

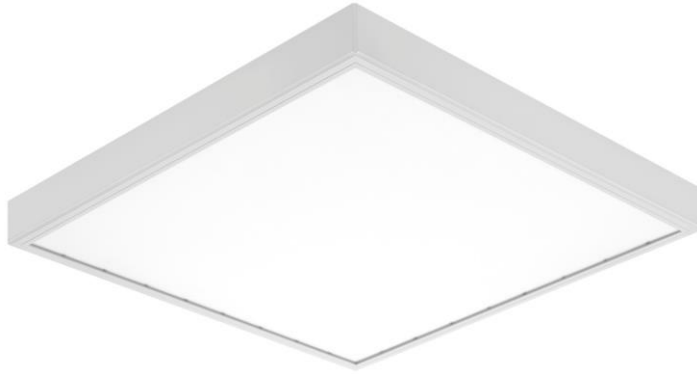
Class leading modular product. Designed in Britain. Manufactured in Europe. High quality LED and drivers from Philips and Tridonic. Through clever design a high IP65 rating is achieved. Special edges and sizes can be made. DALI and DALI EMPRO is typical.

## Features

- UGR<19 microprism diffuser
- Opal diffuser option
- Anti glare design
- Philips G2 fortimo LED
- Philips Simpleset LED driver calibration
- 5 year warranty
- 3000K or 4000K Ra>80
- Dimming –DALI/1-10v/Switching
- 24-60 watts
- 2950lm to 8100 lumens output
- 71mm deep
- Special surface version upon request







## Description

Class leading modular product. Designed in Britain. Manufactured in Europe. High quality LED and drivers from Philips and Tridonic. This comes as IP44 rated as standard. Special edges and sizes can be made. DALI and DALI EMPRO is typical.

## Features

- UGR<19 microprism diffuser
- Opal diffuser option
- Anti glare design
- Philips G2 fortimo LED
- Philips Simpleset LED driver calibration
- 5 year warranty
- 3000K or 4000K Ra>80
- Dimming –DALI/1-10v/Switching
- 24-60 watts
- 2950lm to 8100 lumens output





Professional Round Spot lights





Our Pro spot light range has a variety of trimless and trim downlights in various finishes and reflector combinations for that tailored look.

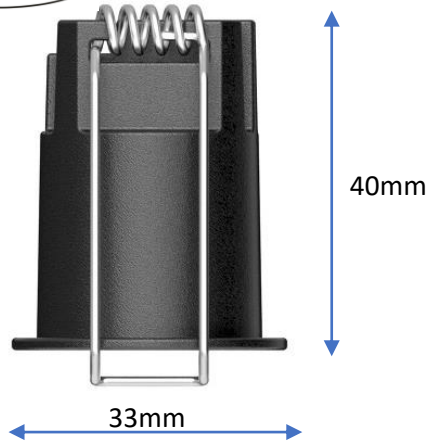


Optimal heatsink design, quality LED chips and drivers ensures the long life of the fitting





# Recessed ATTO LED spot light



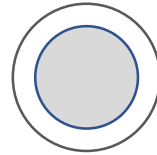
## Description

A tiny spot light for accent lighting. With anti glare technology this tiny recessed light will be welcome in any interior. A range of ring and diffuser colours will also mean this works with your interior scheme.

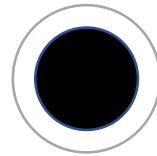
## Features

- Aluminium housing
- Compact light 33mm inc ring.
- Anti glare design
- 3000K or 4000K Ra>90
- Beam angle 18/25/34 degrees
- Cutout 28mm
- Dimming –DALI/1-10v/Switching
- 3w 200 lumens

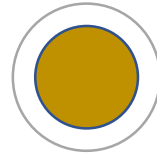
## Atto and Nano Ring and reflector colour combinations



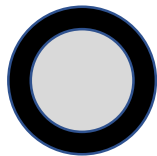
WS-White Silver



WB-White Black



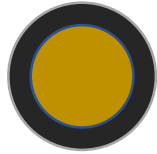
WG- White Gold



BS-Black Silver



BB-Black Black



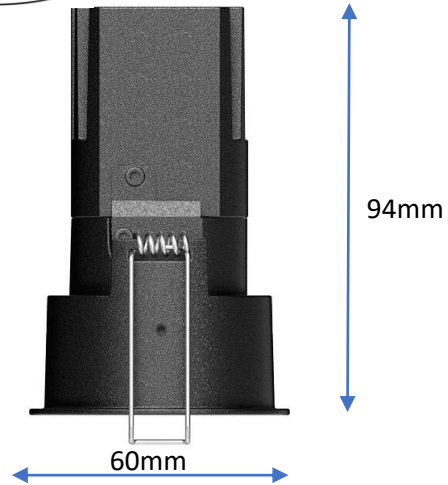
BG-Black Gold



## Recessed NANO LED spot light

## Adjustable NANO-A LED

## Wall wash NANO-W LED

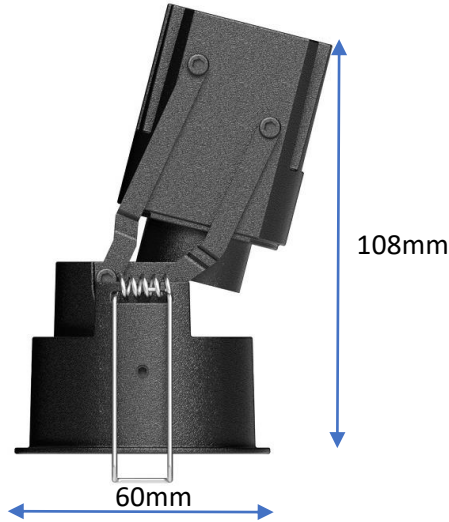


### Description

With anti glare technology this small recessed light will be welcome in any interior. A range of ring and diffuser colours will also mean this works with your interior scheme.

### Features

- Aluminium housing
- Compact light 60mm inc ring.
- Anti glare design
- 3000K or 4000K Ra>90
- Beam angle 15/25/40 degrees
- Cutout 54mm
- Dimming –DALI/1-10v/Switching
- 5w 350 lumens

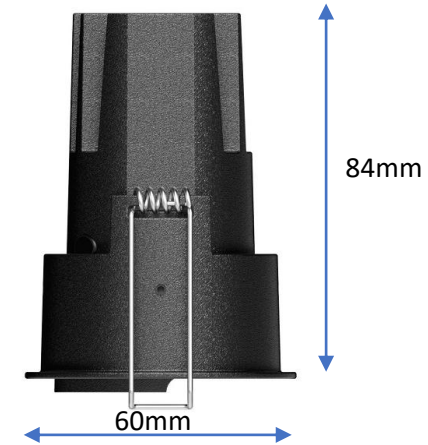


### Description

With anti glare technology this small recessed light will be welcome in any interior. A range of ring and diffuser colours will also mean this works with your interior scheme.

### Features

- Aluminium housing
- Adjustable tilt 0-25 degrees
- Adjustable rotate 360 degrees
- Compact light 60mm
- Anti glare design
- 3000K or 4000K Ra>90
- Beam angle 15/25/40 degrees
- Cutout 54mm
- Dimming –DALI/1-10v/Switching
- 5w 350 lumens



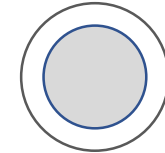
### Description

Specially developed wall wash optics this small recessed light will be welcome in any interior. Uniform wall wash whilst reducing bright spots.

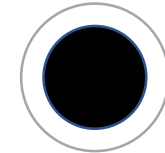
### Features

- Aluminium housing
- Wall wash optics
- Compact light 60mm
- Anti glare design
- 3000K or 4000K Ra>90
- Beam angle 15/25/40 degrees
- Cutout 54mm
- Dimming –DALI/1-10v/Switching
- 8w 500 lumens
- Black finish only

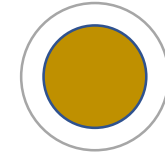
### Nano Ring and reflector colour combinations



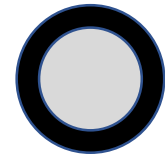
WS-White Silver



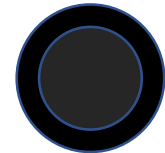
WB-White Black



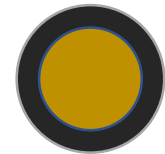
WG- White Gold



BS-Black Silver



BB-Black Black



BG-Black Gold



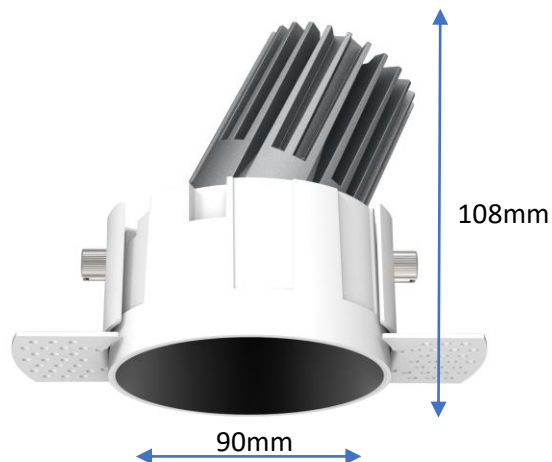
90mm

#### Description

With anti glare technology this small recessed light will be welcome in any interior. A range of ring and diffuser colours will also mean this works with your interior scheme.

#### Features

- Aluminium housing
- Trimless plaster in design
- Compact light 50mm exposed
- Anti glare design
- 3000K or 4000K Ra>90
- Beam angle 15/25/40 degrees
- Cutout 54mm
- Dimming –DALI/1-10v/Switching
- 7w 585 lumens

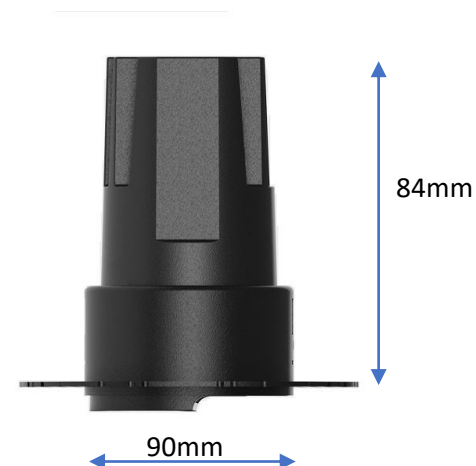


#### Description

With anti glare technology this small recessed light will be welcome in any interior. A range of ring and diffuser colours will also mean this works with your interior scheme.

#### Features

- Aluminium housing
- Trimless plaster in design
- Adjustable tilt 0-25 degrees
- Adjustable rotate 360 degrees
- Compact light 50mm
- Anti glare design
- 3000K or 4000K Ra>90
- Beam angle 15/25/40 degrees
- Cutout 54mm
- Dimming –DALI/1-10v/Switching
- 7w 585 lumens



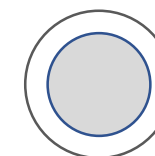
#### Description

Specially developed wall wash optics this small recessed light will be welcome in any interior. Uniform wall wash whilst reducing bright spots.

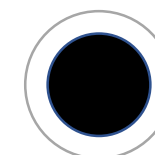
#### Features

- Aluminium housing
- Wall wash optics
- Compact light 50mm
- Anti glare design
- 3000K or 4000K Ra>90
- Cutout 54mm
- Dimming –DALI/1-10v/Switching
- 8w 500 lumens
- Black finish only

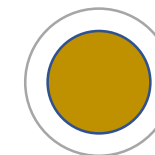
Nano  
Ring and reflector  
colour combinations



WS-White Silver



WB-White Black



WG- White Gold



## Recessed MICRO LED spot light



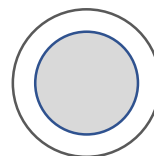
### Description

With anti glare technology this recessed light will be welcome in any interior. A range of ring and diffuser colours will also mean this works with your interior scheme.

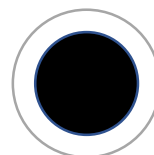
### Features

- Aluminium housing
- 90mm diameter inc. ring.
- Anti glare design
- 3000K or 4000K Ra>90
- Beam angle 20/27/34 degrees
- Cutout 80mm
- Dimming –DALI/1-10v/Switching
- 11w 750 lumens

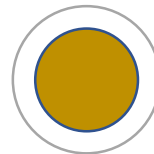
### Micro Ring and reflector colour combinations



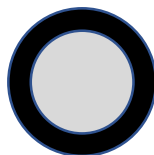
WS-White Silver



WB-White Black



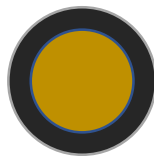
WG- White Gold



BS-Black Silver

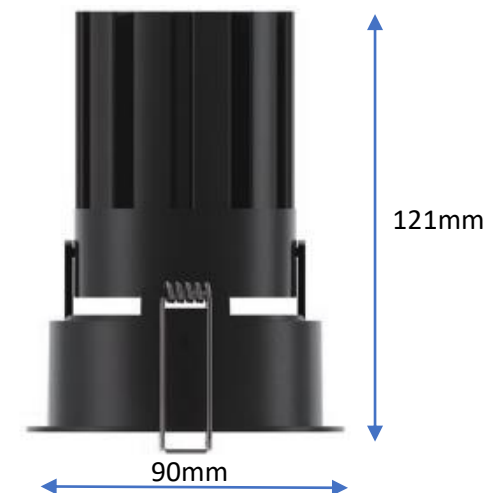


BB-Black Black



BG-Black Gold

## Adjustable MICRO-A LED spot light



### Description

With anti glare technology this recessed light will be welcome in any interior. A range of ring and diffuser colours will also mean this works with your interior scheme.

### Features

- Aluminium housing
- Adjustable tilt 0 to 25 degrees
- Adjustable rotate 0-360 degree
- 90mm diameter inc. ring
- Anti glare design
- 3000K or 4000K Ra>90
- Beam angle 20/27/34 degrees
- Cutout 80mm
- Dimming –DALI/1-10v/Switching
- 11w 750 lumens

# Surface MICRO-S LED spot light



135mm

77mm

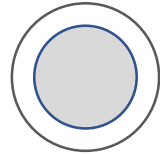
## Description

With anti glare technology this surface light will be welcome in any interior. A range of ring and diffuser colours will also mean this works with your interior scheme.

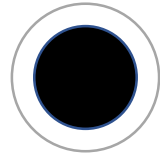
## Features

- Aluminium housing
- Surface mounted
- 77mm diameter. 135mm high
- Anti glare design
- 3000K or 4000K Ra>90
- Beam angle 20/27/34 degrees
- Dimming –DALI/1-10v/Switching
- 11w 750 lumens

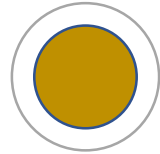
## Micro Ring and reflector colour combinations



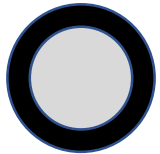
WS-White Silver



WB-White Black



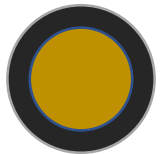
WG- White Gold



BS-Black Silver



BB-Black Black



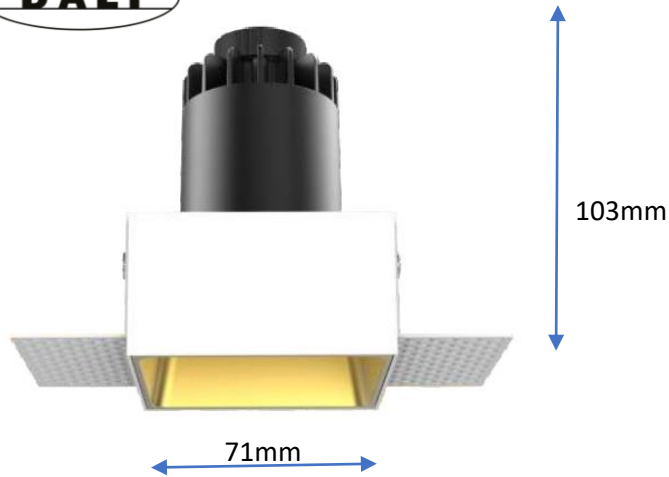
BG-Black Gold





Professional Square Spot lights



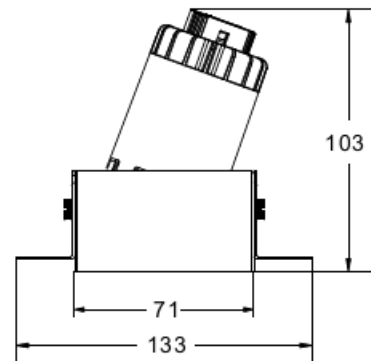


## Description

With anti glare technology this recessed light will be welcome in any interior. A range of ring and diffuser colours will also mean this works with your interior scheme. Adjustable tilt 20 degrees

## Features

- MICRO



Micro STA  
Square reflector  
colour options



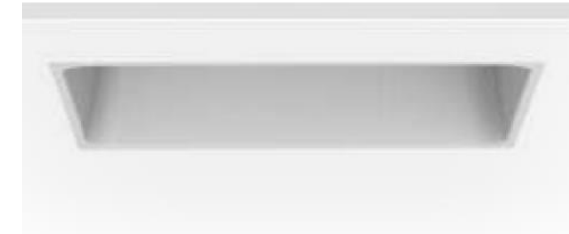
G- Gold



B- Black



W - White



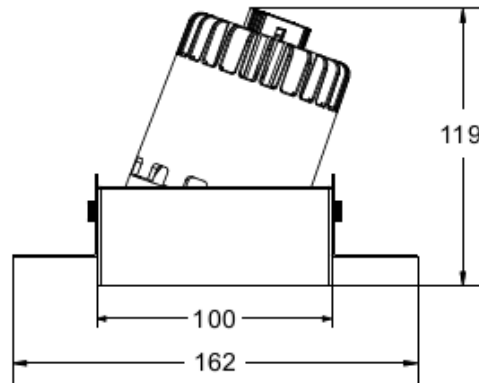
100mm

## Description

With anti glare technology this recessed light will be welcome in any interior. A range of diffuser colours will also mean this works with your interior scheme.

## Features

- Aluminium housing
- Trimless plaster in design
- Adjustable tilt 0 to 25 degrees
- 100mm exposed aperture
- Anti glare design
- 3000K or 4000K Ra>90
- Beam angle 15/36/60 degrees
- Cutout 102x 102mm
- Dimming –DALI/1-10v/Switching
- 15w 1053 lumens
- 20w 1249 lumens



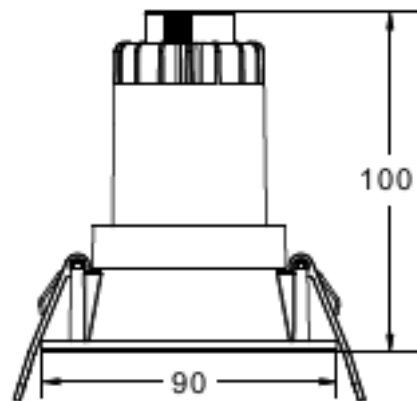


## Description

With anti glare technology this recessed light will be welcome in any interior. A range of ring and diffuser colours will also mean this works with your interior scheme.

## Features

- Aluminium housing
- 90mm with trim
- Anti glare design
- 3000K or 4000K Ra>90
- Beam angle 15/30/36 degrees
- Cutout 80 x 80mm
- Dimming –DALI/1-10v/Switching
- 8w 615 lumens
- 10w 725 lumens



Micro  
Square Reflectors  
colour



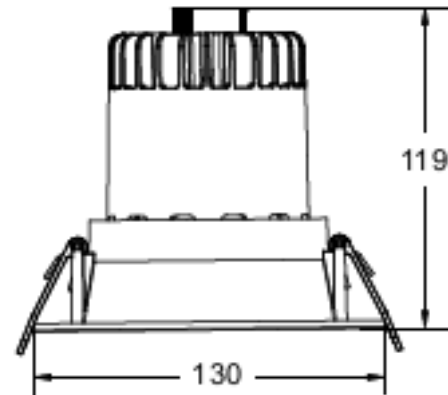
G- Gold



B- Black



W - White



## Description

With anti glare technology this recessed light will be welcome in any interior. A range of diffuser colours will also mean this works with your interior scheme.

## Features

- Aluminium housing
- 130mm with trim
- Anti glare design
- 3000K or 4000K Ra>90
- Beam angle 15/36/60 degrees
- Cutout 105x 105mm
- Dimming –DALI/1-10v/Switching
- 15w 1213 lumens
- 20w 1306 lumens

# Recessed STAGE –I, -II, -III spot lights



STAGE –I



STAGE –II



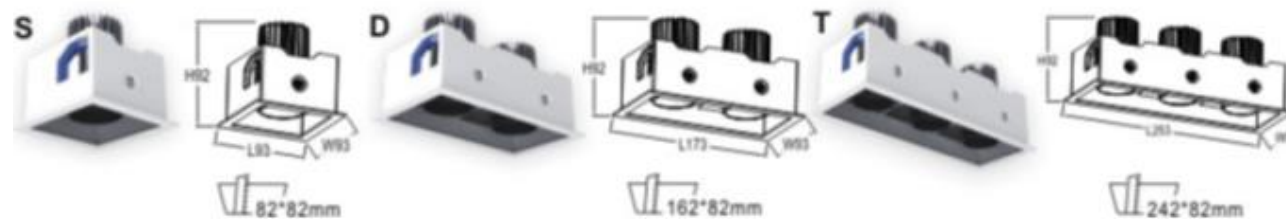
STAGE –III

## Description

With anti glare technology this recessed single, double or triple spot will be welcome in any interior. Adjustable tilt and rotation. Variety of beam angles and outputs available.

## Features

- Aluminium housing
- 93mm with trim
- Anti glare design
- 3000K or 4000K Ra>80
- Beam angle 15/36/60 degrees
- Cutout 82mm x 82mm (single)
- Dimming –DALI/1-10v/Switching
- IP44 rating optional
- 10w 920 lumens (single)
- 20w 1800 lumens (double)
- 30w 2700 lumens (triple)







Suspended pendant lighting



## Description

Round LED luminaire with a big diameter and an integrated energy-saving light source guarantees high luminous flux and even light distribution. Its body is made of white powder coated steel, and the diffuser is made of opal PMMA. It works perfectly while designing new applications as well as replacing traditional luminaires with energy-saving LED solutions. Specification: colour temperature 3000K, 4000K; CRI>80; lifespan of LED panels 50 000 hours

## Suspended features

- 400mm 22 watts 1900 lumens
- 600mm 50 watts 5050 lumens
- 900mm 100 watts 10300 lumens
- 70mm deep – 900mm is 86mm deep
- DALI or switching
- 3000K or 4000K  $ra > 82$
- IP20 rated

## Recessed features

- 400mm 30 watts 3000 lumens
- 70mm deep DALI or switching
- 3000K or 4000K  $ra > 82$
- IP40 rated

## Surface features

- 400mm 22 watts 1900 lumens
- 600mm 50 watts 5050 lumens
- 900mm 100 watts 10300 lumens
- 70mm deep – 900mm is 86mm deep
- DALI or switching
- 3000K or 4000K  $ra > 82$
- IP44 rated



# CASSI suspended pendant. 340mm diameter



## Description

The CASSI line of luminaires is distinguished by its elegant design that allows it to be used in a variety of arrangements. The minimalist aluminium shades, available as standard in three fashionable colour schemes, will emphasize the ambience of every interior, creating a strong decorative accent. The integrated energy-saving LED panel ensures high light quality and long-term trouble-free use.

Finishes:

- White with matt gold reflector
- Black with matt silver reflector
- Black with matt gold reflector

## Suspended features

- 340mm diameter
- 280mm high
- 1500mm long suspension cable and wire
- 9 watts 560 lumens
- 3000K or 4000K ra>80
- IP20 rated







## Description

The CASSI EVO line of luminaires is distinguished by its elegant design that allows it to be used in a variety of arrangements. The minimalist aluminum shades, available as standard in three fashionable color schemes, will emphasize the ambience of every interior, creating a strong decorative accent. Possibility of surface and suspended mounting allows various applications. The integrated energy-saving LED panel ensures high light quality and long-term trouble-free use. Optionally, there are versions equipped with a microwave motion sensor (RCR) and the possibility of control via the DALI protocol, increasing the energy-saving and functional properties of the luminaires.

Finishes:

White with matt gold reflector

Black with matt silver reflector

Black with matt gold reflector

## Suspended features

- 610mm diameter
- 150mm high
- 1500mm long suspension cable and wire
- 32 watts 2250 lumens
- 50 watts 3500 lumens
- 3000K or 4000K  $ra > 80$
- IP20 rated





PLANE series linear downlights



BB – Black with black louver



BS-Black with silver louver



WB-White with black louver



WS-White with silver louver

Description

The PLANE utilizes anti-glare optical technologies, combined with special designed round louvers to perform various light distributions. Multiple types of anti-glare technologies are employed to enhance visual comfort.

Trimless plaster in profile

Features

- Aluminium profile
- Trimless plaster in
- Available in 168mm modules
- 144mm x 30mm cutout
- DALI / 1-10v or switching
- Black with white or silver louver
- White with black or silver louver
- Beam angle 18,34 degrees
- High visual comfort
- 3000K or 4000K ra>90
- 7w LED 660lm



PLANE –TS and PLANE-TS-HO with square louver is also available



Description

The PLANE TR-HO Trimless plaster in profile has 50% more output than standard PLANE. Slightly different dimensions but other wise the same. Used where you need more light than the standard plane.

Features

- Aluminium profile
- Trimless plaster in
- Available in 294mm modules
- 50mm wide
- 290mm x 50mm cutout
- DALI / 1-10v or switching
- Black with white or silver louver
- White with black or silver louver
- Beam angle 18,36 degrees
- High visual comfort
- 3000K or 4000K ra>90
- 10w LED 900lm







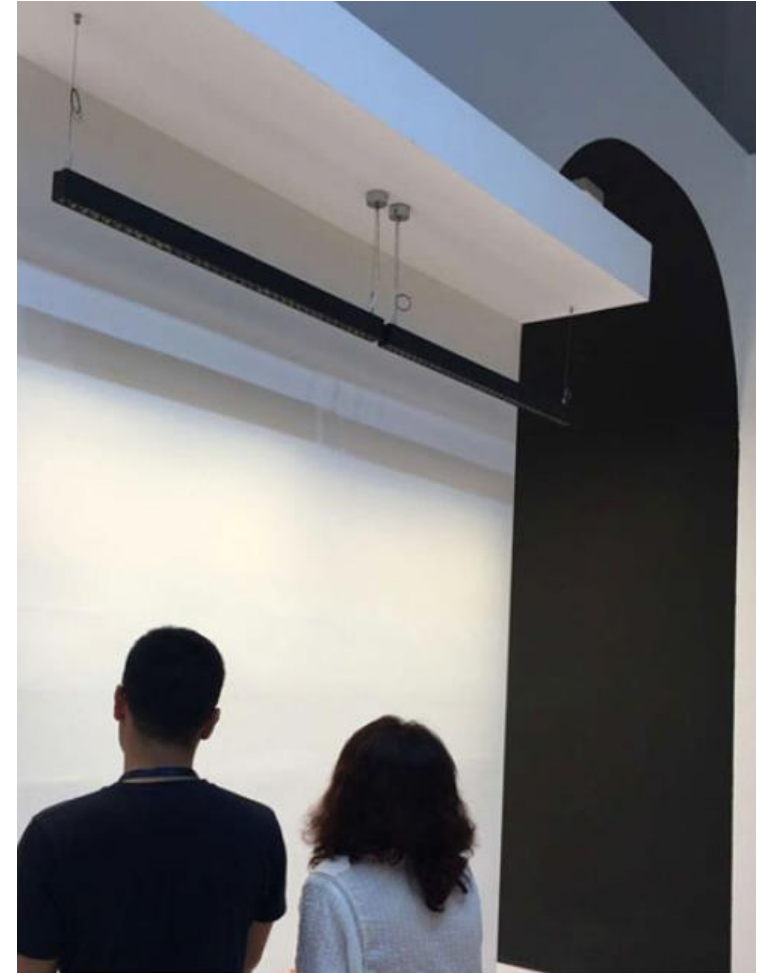
## Description

The PLANE utilizes anti-glare optical technologies, combined with asymmetrical optics to perform various light distributions. Multiple types of anti-glare technologies are employed to enhance visual comfort. Optics provide uniform wall wash lighting. Ultra thin profile of 25mm wide by 68mm high.

Trimless plaster in profile

## Features

- Aluminium profile
- Trimless plaster in
- Available in 298mm modules
- 25mm wide
- 265mm x 32mm cutout
- DALI / 1-10v or switching
- Black with white finish
- Wall wash optics
- High visual comfort
- 3000K or 4000K  $ra > 90$
- 7w LED 660lm



## Surface PLANE-SR LED downlight



BB – Black with black louver



BS-Black with silver louver



WB-White with black louver



WS-White with silver louver

### Description

The PLANE utilizes anti-glare optical technologies, combined with special designed Round louvers to perform various light distributions. Multiple types of anti-glare technologies are employed to enhance visual comfort.

Ultra thin profile of 25mm wide by 60mm high.

Surface mounted

### Features

- Aluminium profile
- Surface mounted
- 25mm wide
- Available in 135mm modules
- 144mm x 30mm cutout
- DALI / 1-10v or switching
- Black with white or silver louver
- White with black or silver louver
- Beam angle 18,34 degrees
- High visual comfort
- 3000K or 4000K  $ra > 90$
- 7w LED 660lm



PLANE –S and PLANE-S-HO with square louver is also available

## PLANE-SR-HO LED downlight



### Description

The PLANE utilizes anti-glare optical technologies, combined with special designed Round louvers to perform various light distributions. Multiple types of anti-glare technologies are employed to enhance visual comfort.

Thin profile of 50mm wide by 70mm high.

Surface mounted

50% more output than standard PLANE

### Features

- Aluminium profile
- Surface mounted
- 50mm wide
- Available in 294mm modules
- Surface mounted
- DALI / 1-10v or switching
- Black with white or silver louver
- White with black or silver louver
- Beam angle 18,34 degrees
- High visual comfort
- 3000K or 4000K  $ra > 90$
- 10w LED 900lm





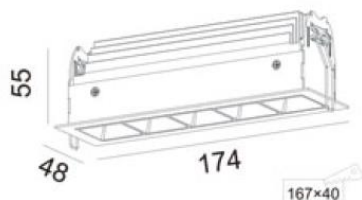
## Description

The SPLINTER utilizes anti-glare optical technologies, combined with square louvres modules to give very low glare properties. From one module to up to 5 modules at 3 watts each can be produced.

Thin profile of 45mm wide by 57mm high.  
Trimless or with trim versions available

## Features

- Aluminium profile
- Surface mounted
- 3 watt modules
- Available in 45mm modules
- DALI / 1-10v or switching
- Black with black louvre
- White with black louvre
- Beam angle 15,30, 50 degrees
- High visual comfort
- 3000K or 4000K  $ra > 90$
- 3w LED 150lm per module



5 LED



4 LED



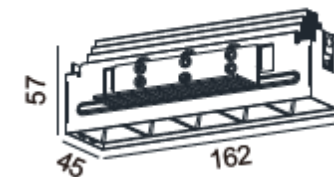
3 LED



2 LED



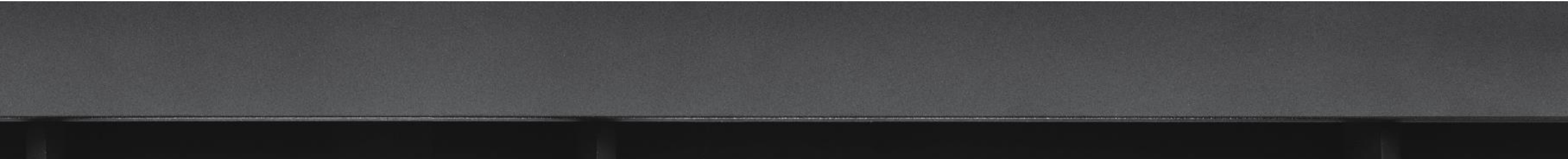
1 LED







Magnetrac pro track



General Lighting modules



Downlight modules



Wall wash modules



Accent / Spot light modules

**Description**

Magnetrac mini is a perfect integrated 48 volt lighting system. Magnetrac mini can achieve ultra compact structure and size, with a recessed, surface or suspended installation, that can be perfectly integrated into the building and has minimum impact on the architecture. Minimalist extruded aluminum profile, available to be flexible and continuously connected into any lengths or shapes.

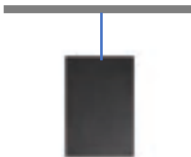
Versatile LED lighting modules are provided for varying combinations with tool-free installation for all kinds of applications: General Lighting, Accent Lighting, Wall-washing. Magnetrac not only means minimalistic lighting features but also high quality workmanship.



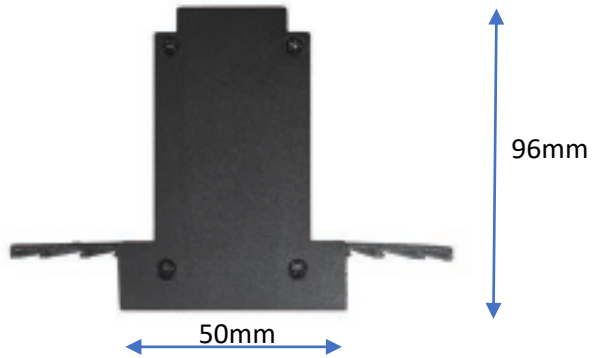
Magnetic track. recessed trimless mounting



Magnetic track. Surface mounting



Magnetic track. Suspended mounting

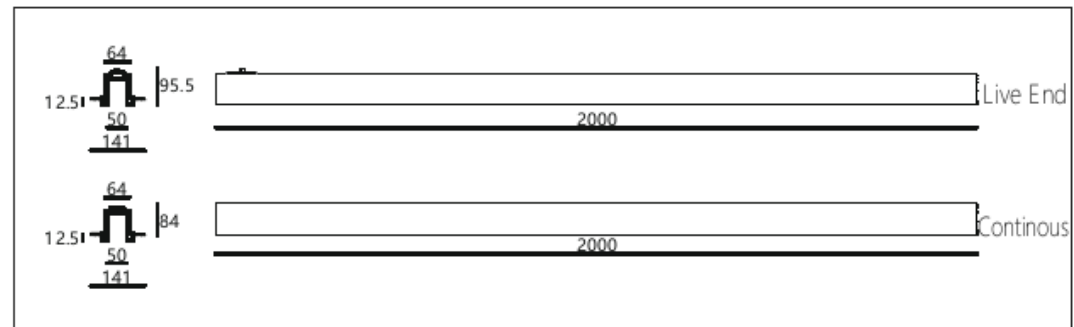
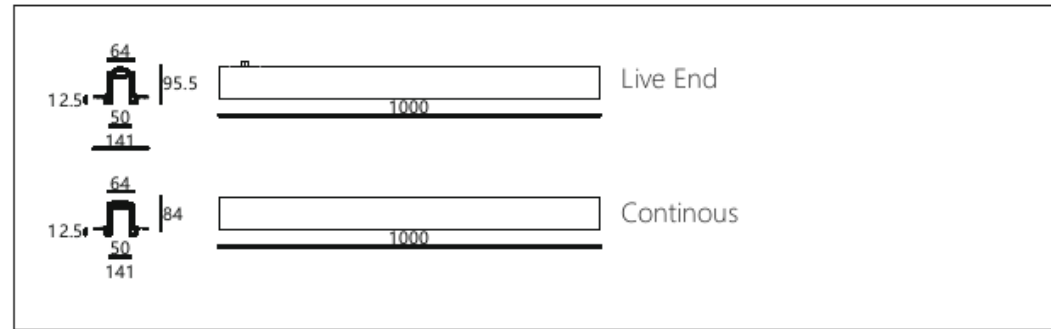
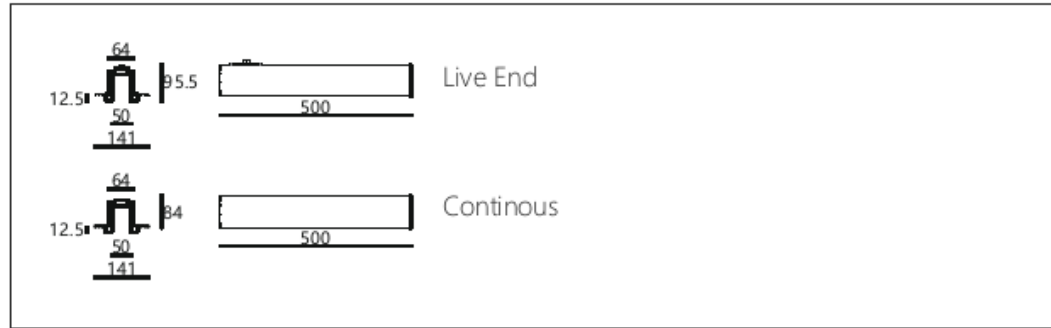


## Description

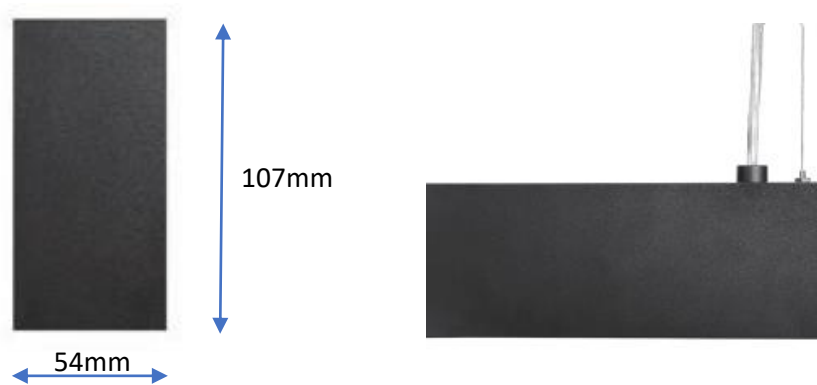
Low-voltage Magnet Track. With its trimless structure, Magnetrac will be seamlessly integrated into the architecture, and provide different lighting options and moods. Meanwhile, accessories for structure and electrical connection are also provided to guarantee a seamless installation

## Features

- Aluminium profile
- Width of inner space 50mm.
- Available in 0.5m, 1m, 2m
- Continuous or single runs
- DALI track or switching
- Cutout 65mm wide
- Black or White finish
- 90 degree corner also available





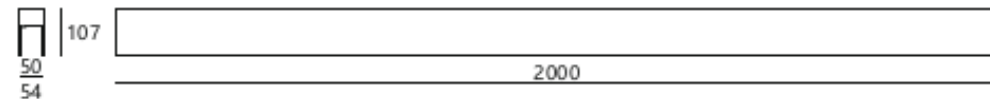
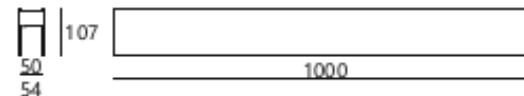


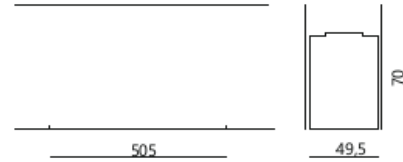
## Description

Low-voltage Magnet Track. With its surface structure, Magnetrac will be seamlessly integrated into the architecture, and provide different lighting options and moods. Meanwhile, accessories for structure and electrical connection are also provided to guarantee a seamless installation

## Features

- Aluminium profile
- Width of inner space 50mm.
- Available in 0.5m, 1m, 2m
- Continuous or single runs
- DALI track or switching
- Black or White finish
- 90 degree corners also available





### Description

General Lighting luminaires not only provide basic lighting but also serve as a functional spatial guidance in interior space. Supporting connection into lighting system to achieve illumination, correct color temperature and dimming. Unique optic-grade diffuser design to guarantee a seamless continuous connection.

Easy to install on the Magnetrac low-voltage magnetic track system

### Features

- Aluminium profile
- 50mm wide to be mounted in the track
- Available in 0.5m modules
- Continuous or single runs
- DALI track or switching
- Black or White finish
- Beam angle 105 degrees
- High visual comfort
- 3000K or 4000K  $ra > 90$
- 10w LED 950lm



When multiple luminaires need to be spliced continuously, a 30-metre long diffuser for easy installation a seamless continuous LED light line will be supplied separately by silent

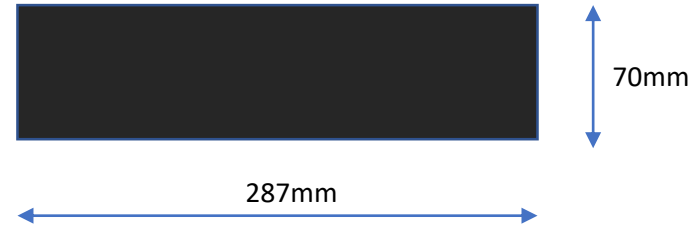
### Description

Downlight luminaires with pin hole optics to perform complete glare free operation and emission of light.

Easy to install on the Magnetrac low-voltage magnetic track system

### Features

- Aluminium profile
- 50mm wide to be mounted in the track
- Available in 287mm modules
- Continuous or single runs
- DALI track or switching
- Beam angle 22 degrees
- High visual comfort
- 3000K or 4000K  $ra > 90$
- 15w LED 900lm



## Description

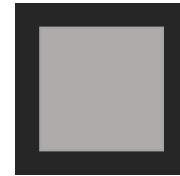
Spot light modules utilize anti-glare optical technologies, combined with special designed round louvers to perform various light distributions. Multiple types of anti-glare technologies are employed to enhance visual comfort. Easy to install on the Magnetrac low-voltage magnetic track system

## Features

- Aluminium profile
- 50mm wide to be mounted in the track
- Available in 287mm modules
- Continuous or single runs
- DALI track or switching
- Black with white or silver louver
- White with black or silver louver
- Beam angle 12, 22,35 degrees
- High visual comfort
- 3000K or 4000K ra>90
- 15w LED 900lm



BB – Black with black louver



BS-Black with silver louver



WB-White with black louver



WS-White with silver louver



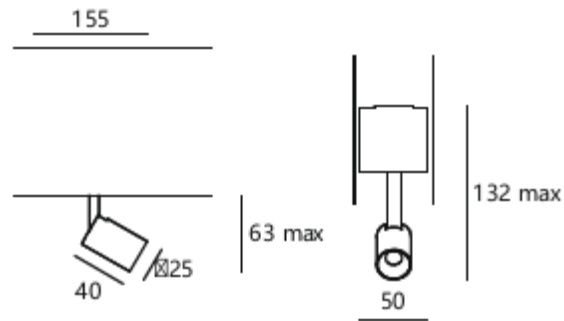
## Description

Downlight luminaires utilize anti-glare optical technologies, combined with special designed square louvers to perform various light distributions. Multiple types of anti-glare technologies are employed to enhance visual comfort. Easy to install on the Magnetrac low-voltage magnetic track system

## Features

- Aluminium profile
- 50mm wide to be mounted in the track
- Available in 287mm modules
- Continuous or single runs
- DALI track or switching
- Black with white or silver louver
- White with black or silver louver
- Beam angle 12, 22,35 degrees
- High visual comfort
- 3000K or 4000K ra>90
- 15w LED 900lm

## Magnetrac track ATTO-MT spot



### Description

The miniature adjustable spot utilizes anti-glare optical technologies, combined with special designed reflectors to perform various light distributions. Multiple types of anti-glare technologies are employed to enhance visual comfort.

Easy to install on the Magnetrac low-voltage magnetic track system

### Features

- Aluminium housing
- 25mm wide to be mounted in the track
- Available in 155mm modules
- 0-90 degree tilt
- 360 degree rotate
- DALI track or switching
- Beam angle 25,34 degrees
- Anti glare design
- 3000K or 4000K  $ra > 90$
- 3.5w LED 220lm



BB – Black with black reflector



BS-Black with silver reflector

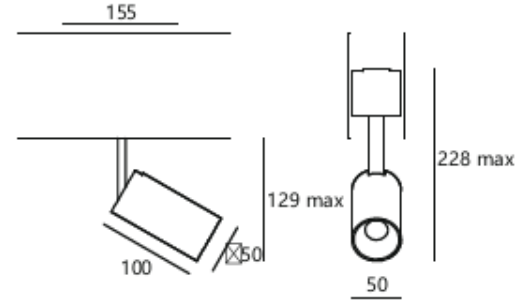


WB-White with black reflector



WS-White with silver reflector

## Magnetrac track NANO-MT spot



### Description

The small 50mm diameter adjustable spot utilizes anti-glare optical technologies, combined with special designed reflectors to perform various light distributions. Multiple types of anti-glare technologies are employed to enhance visual comfort.

Easy to install on the Magnetrac low-voltage magnetic track system

### Features

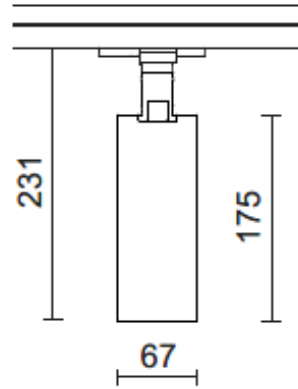
- Aluminium housing
- 50mm wide to be mounted in the track
- Available in 161mm modules
- 0-90 degree tilt
- 360 degree rotate
- DALI track or switching
- Beam angle 15, 25,40 degrees
- Anti glare design
- 3000K or 4000K  $ra > 90$
- 8w LED 550lm





Standard track lighting

## NANO-TS medium power LED track spot 12w -26w



### Description

The small 67mm diameter adjustable spot utilizes anti-glare optical technologies, combined with special designed reflectors to perform various light distributions. Multiple types of anti-glare technologies are employed to enhance visual comfort.

DALI or switching track options. Integral driver

### Features

- Aluminium housing
- 67mm diameter
- 0-90 degree tilt
- 360 degree rotate
- Single or three phase switching
- Beam angle 15, 30, 42, 60 degrees
- DALI dimming
- 3000K or 4000K  $ra > 92$
- 26w LED 2278lm
- 12w LED 1034lm

### Options



Snoot for accessories

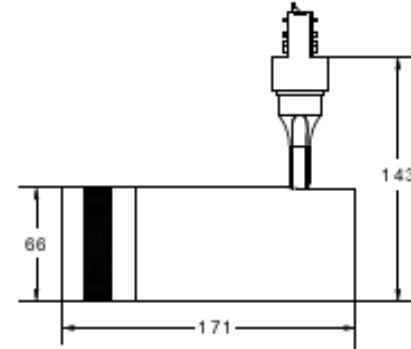


Honey comb louvre



Prismatic diffuser lens for soft edges

## NANO-TSZ medium power zoom track spot 10w -15w



### Description

The small 66mm diameter adjustable spot utilizes anti-glare optical technologies, combined with special designed reflectors to perform various light distributions. Multiple types of anti-glare technologies are employed to enhance visual comfort. Adjustable zoom from 15-50 degrees. 1-10v dimming or switching track options. Integral driver

### Features

- Aluminium housing
- 66mm diameter
- 0-90 degree tilt
- 360 degree rotate
- Single or three phase switching
- Beam angle 15 to 50 adjustable
- 1-10v dimming
- 3000K or 4000K  $ra > 92$
- 10w LED 955lm
- 15w LED 1245lm

## MICRO-TS high power LED track spot 20w -35w



### Description

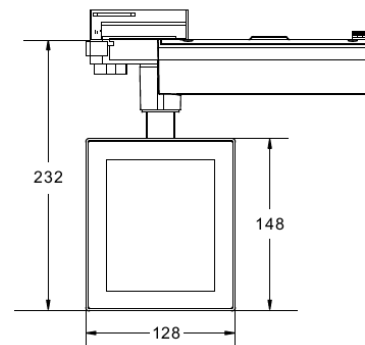
The 86mm diameter adjustable spot utilizes anti-glare optical technologies, combined with special designed reflectors to perform various light distributions. Multiple types of anti-glare technologies are employed to enhance visual comfort.

DALI or switching track. High lumen output

### Features

- Aluminium housing
- 86mm diameter
- 0-90 degree tilt
- 360 degree rotate
- Single or three phase switching
- Beam angle 12, 20, 30,36,45 degrees
- DALI dimming
- 3000K or 4000K ra>92
- 35w LED 2578lm
- 20w LED 1788lm

## MICRO-TSW high power LED wall wash 35w



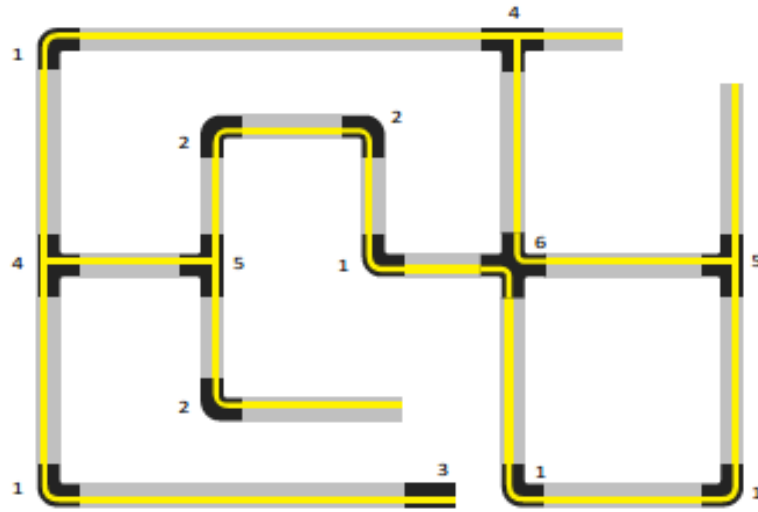
### Description

The MICRO-TSW is a high power LED asymmetrical wall wash fitting.

1-10v dimming or switching track options.

### Features

- Aluminium housing
- 148mm x 128mm
- 0-90 degree tilt
- 360 degree rotate
- Single or three phase switching
- Beam angle 90 degrees wall wash asymmetrical
- 1-10v dimming
- 3000K or 4000K ra>92
- 35w LED 2249lm



1 Outside L joint



2 Inside L joint



3 Right live end



4 Right T join



5 Left T join

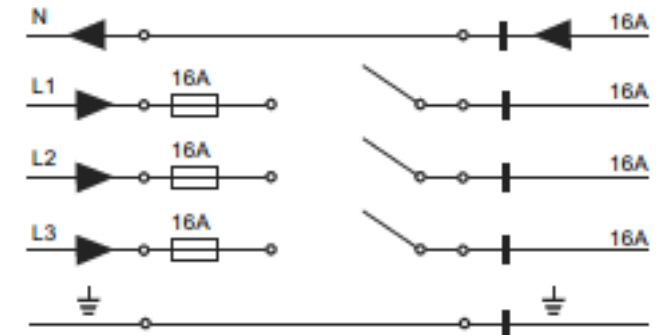
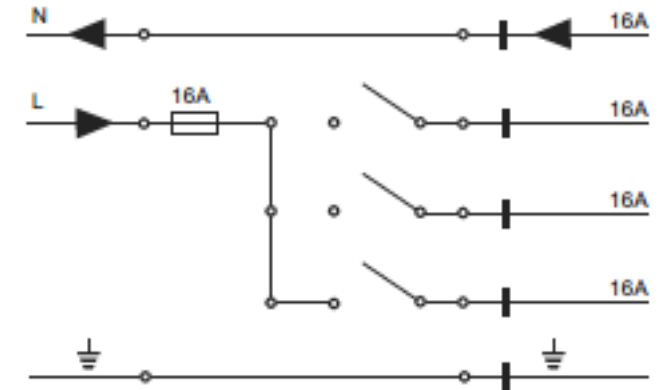


6 Cross join



## LIVE END FEEDS:

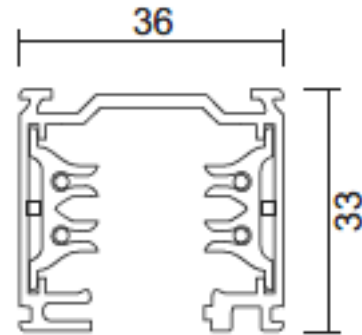
Live-end with earth on the left L  
Live-end with earth on the right R



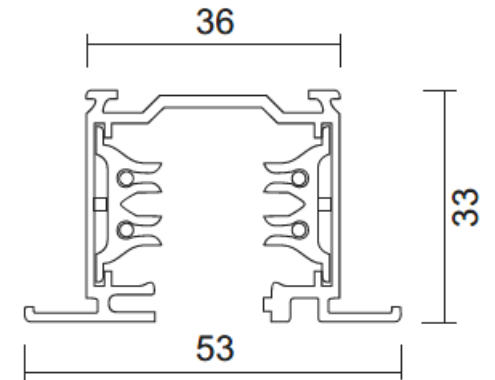
## WIRING DIAGRAMS:

The connections to a single phase 230/250V mains allows a total load of 16A, corresponding to 3680/4000 Watt, which can be divided among 3 circuits. The connection to a three circuit 230/400V electricity mains allows a total load of 16A, corresponding to 11040 Watt, which can be divided Among 3 circuits (3x3680 Watt).





Surface / Suspended



Recessed

## Description

Standard square track available in varying lengths and colours. Suspended / surface and recessed versions available

## Features

- Aluminium housing
- Single or three phase switching
- 1, 2, 3 or 4m lengths
- Mains dimmable

## Colours



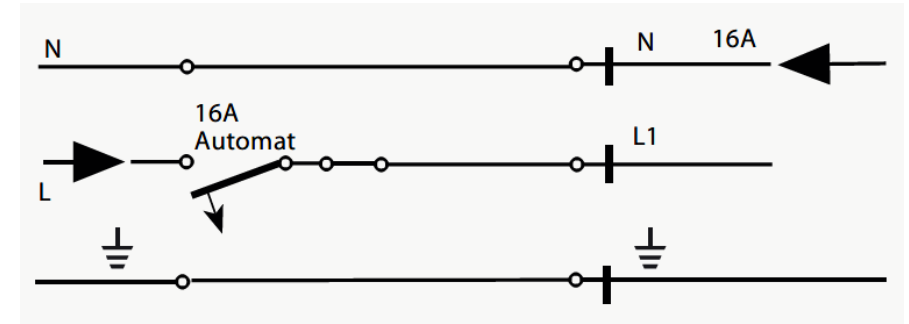
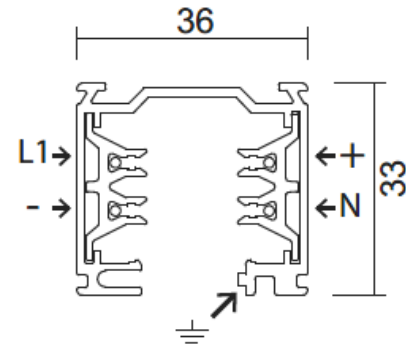
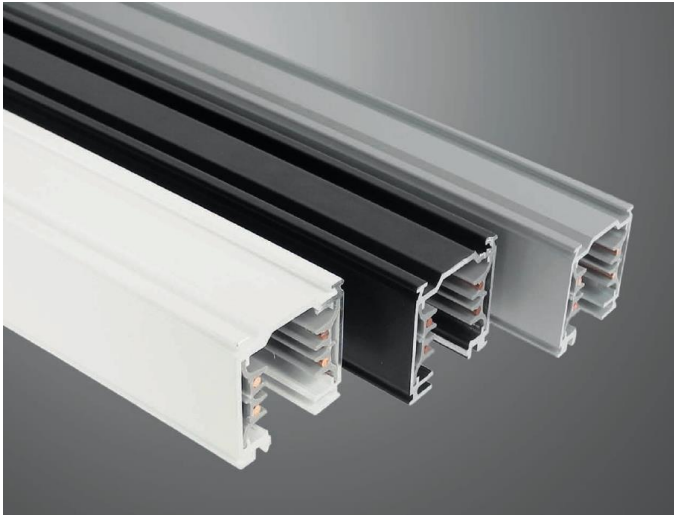
Black



White



Satin silver



Connection to single phase 230/250V mains allows a total load of 16A corresponding to 3680/4000W

## Description

Standard square track available in varying lengths and colours. Suspended / surface and recessed versions available. 2 control cable for digital or analogue dimming control protocols.

## Features

- Aluminium housing
- Single or three phase switching
- 1, 2, 3 or 4m lengths
- DALI, 1-10v, DMX dimmable

## Colours



Black

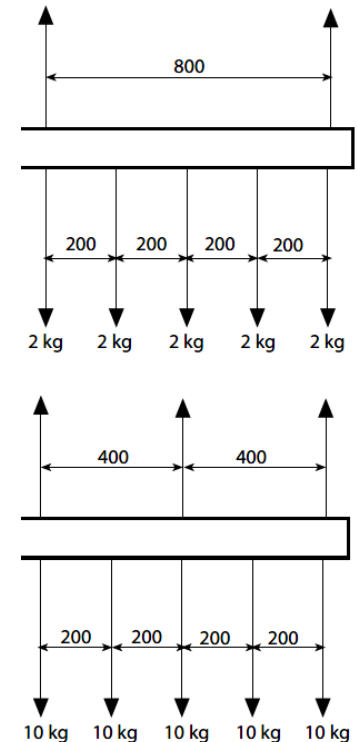


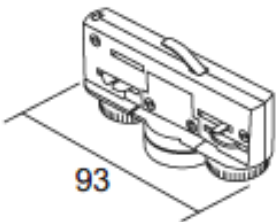
White



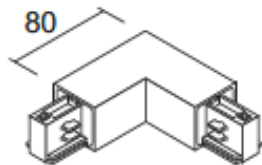
Satin silver

The track has a load capacity of 2 Kg every 800 mm. In case of 10 Kg load every 200 mm, a distance of 400 mm between the fixing points is recommended.

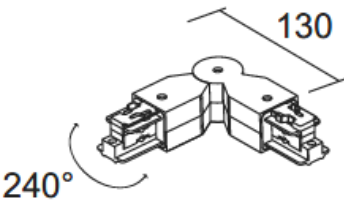




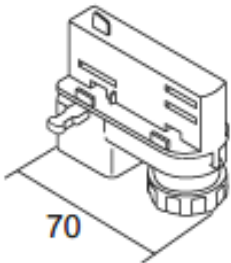
Electric and  
mechanical adaptor  
6A load 10kg max



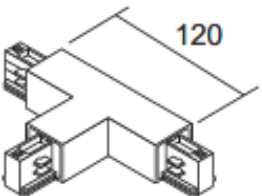
Inside L join  
Outside L join



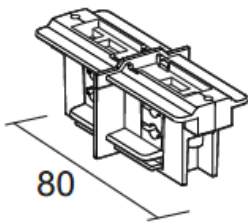
Adjustable angle  
joint



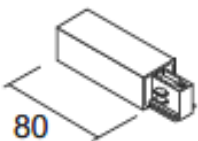
Electric and  
mechanical adaptor  
6A load 5kg max



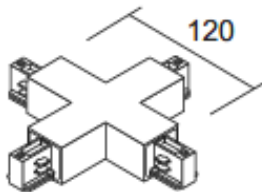
Right T join  
Left T join



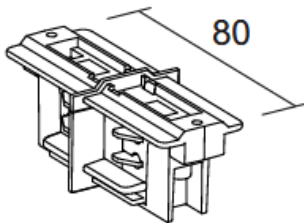
Mechanical straight  
joint with stop



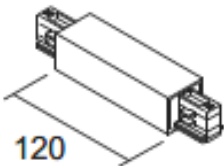
Right or left live end



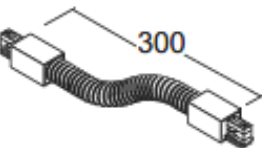
Cross join



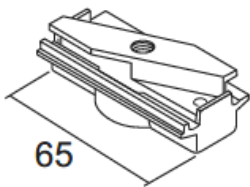
Electrical straight  
joint with stop



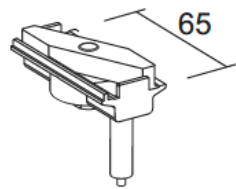
Central joiner



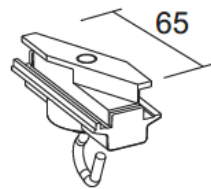
Flexible joint



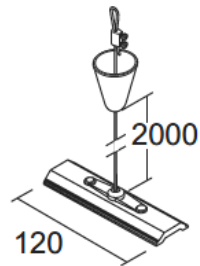
Mechanical adapter



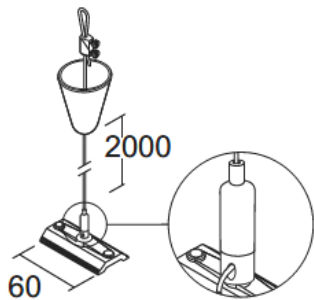
Mechanical adapter  
with automatic lock



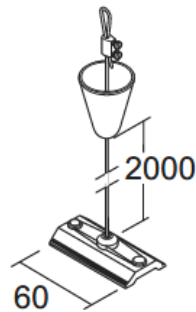
Mechanical adapter  
with hook



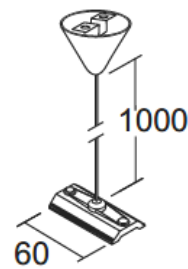
Suspension kit with  
2m steel wire and  
120mm steel plate



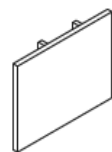
Suspension kit with  
2m steel wire,  
60mm steel plate,  
and locking device



Suspension kit with  
2m steel wire,  
60mm steel plate,



Suspension kit with  
1m translucent pipe,  
60mm steel plate,



Dead End plate track  
cover

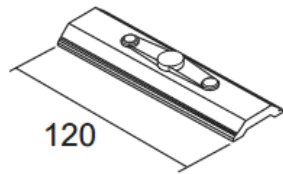
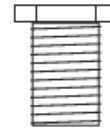
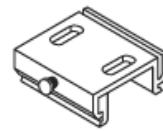


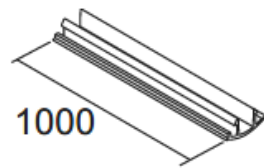
Plate 120mm



Nut for electro /  
mechanical adapter

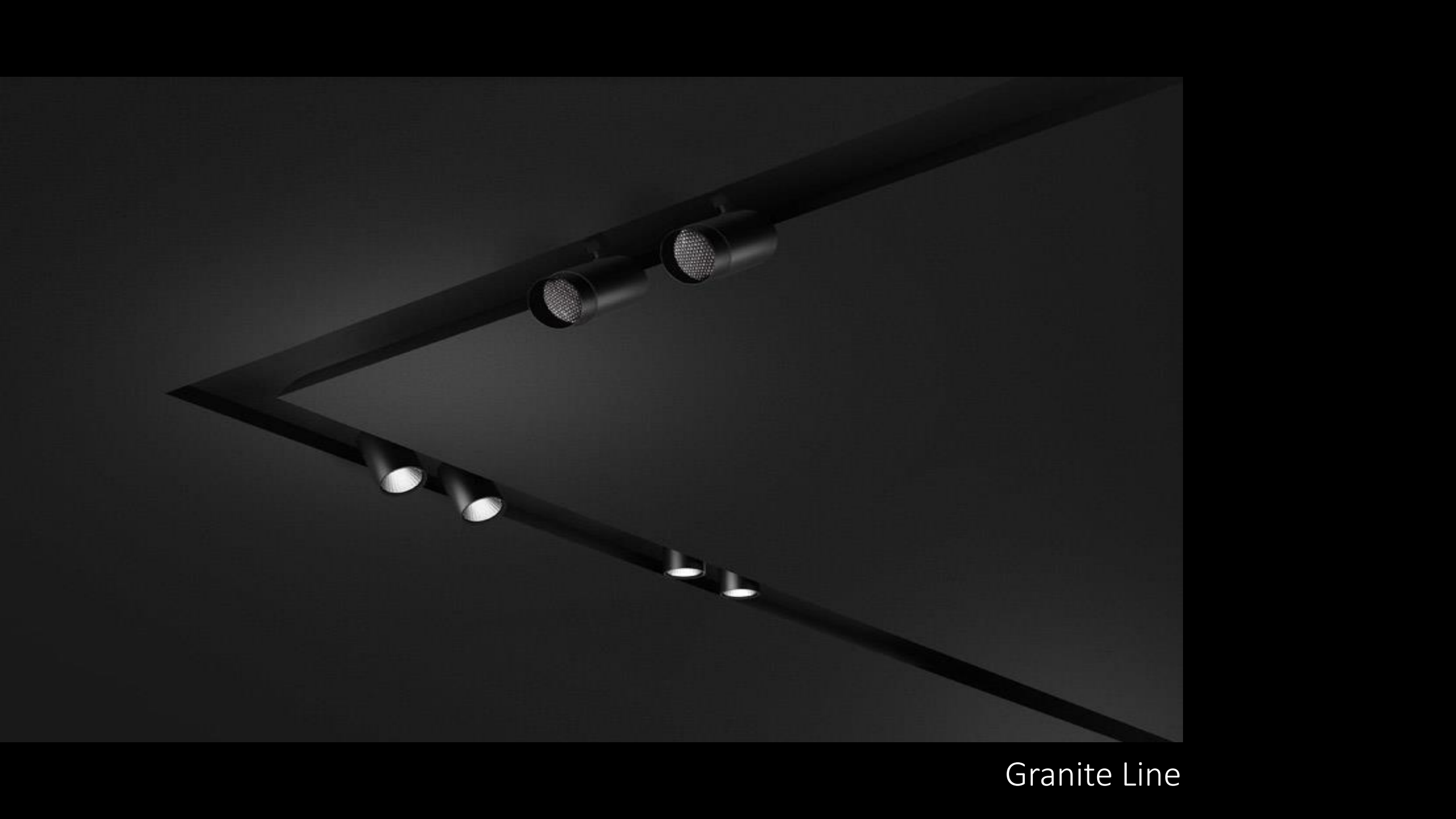


Ceiling kit



Track cover 1000mm  
to cover exposed  
track.





Granite Line



## Description

Granite Line is an indoor lighting system for application in plasterboard false-ceilings, allowing both the installation of concealed fittings, and creating an effect of luminous continuity at the same time.

Lighting becomes wholly integrated: it grants a wide range of project applications, thanks to a flexible and dynamic positioning of the luminous sources.

Ideal for applications in retail and hospitality, as well as in art galleries museums and reception areas.

Granite Line consists of two sizes of extruded aluminium profiles, in black finish, with or without a 3-circuit electrified square track. The spotlights, equipped with the last generation of COB LEDs, available in two sizes, can be anchored to the track through an innovative slide fixing system. Due to this anchoring system, the light fixtures can be easily installed and repositioned.

The fittings feature an adjustable arm with triple junction, that allows movements on both axes, in addition to the 350° orientation of the head.

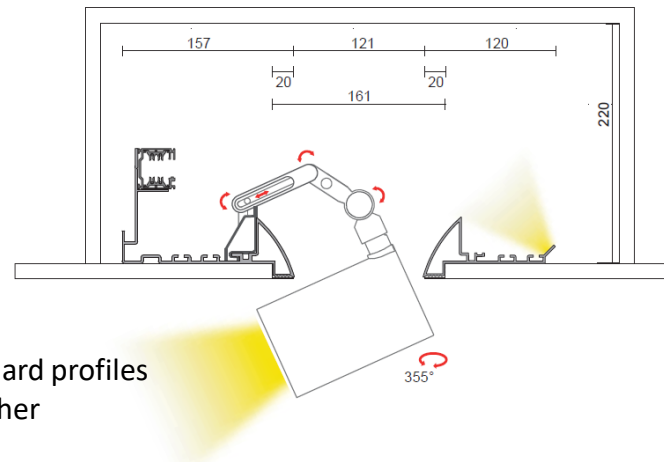
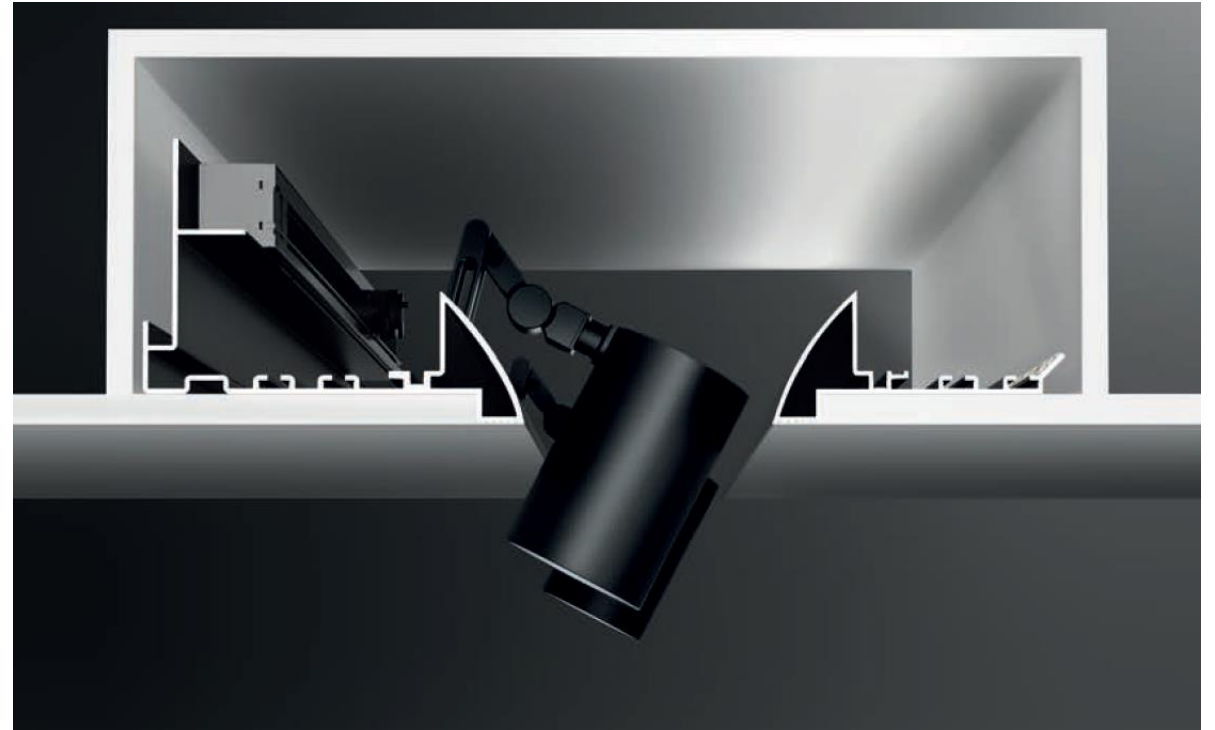




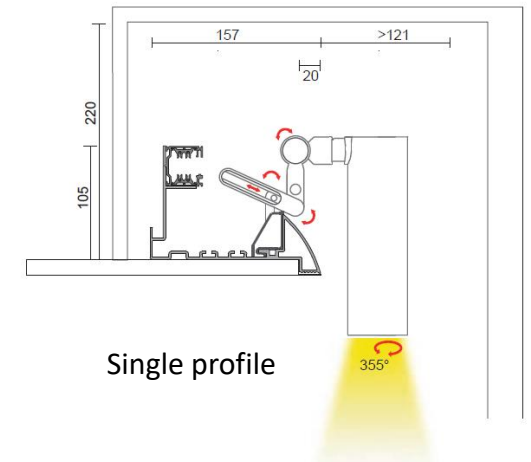
## Description

Granite Line is made up of two sided linear profiles. One profile holds the track and spot mounting duties and the other completes the opposite side and can also provide space for a linear LED tape which can provide further illumination options.

Lengths of the profile are either 1300mm or 2600mm long sections. These are joined with the mechanical joining kits. The profiles can be equipped with either DALI or mains dimmable track.



Standard profiles together



Single profile



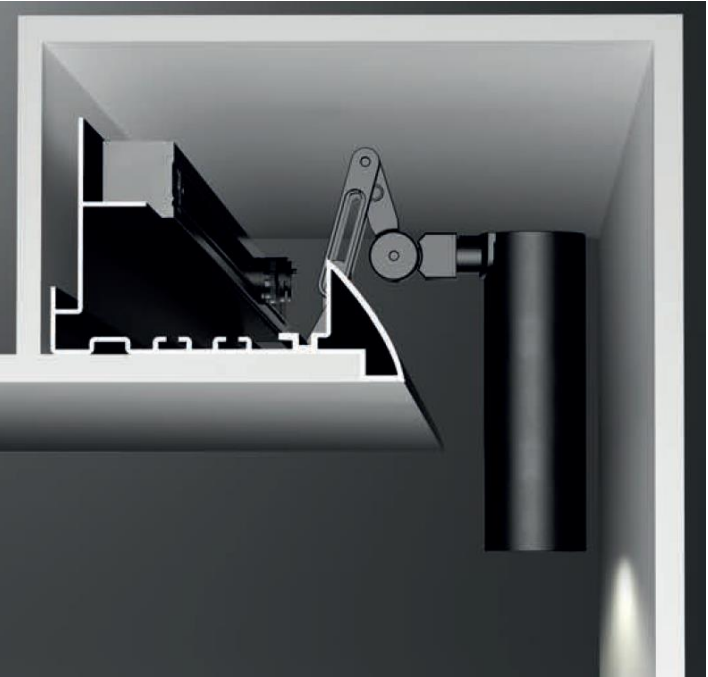
# Granite Line linear profile



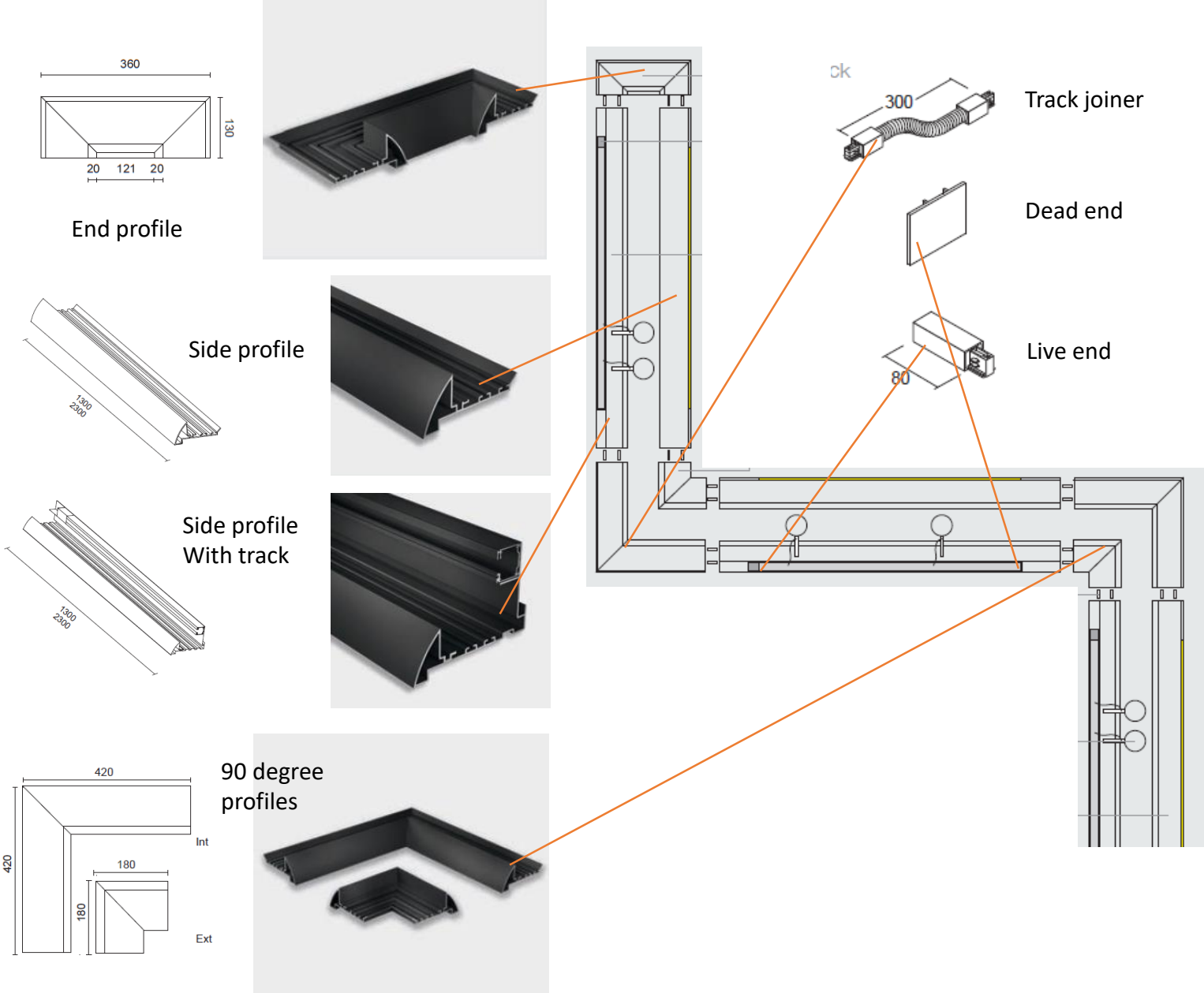
## Description

Granite Line is made up of two sided linear profiles. One profile holds the track and spot mounting duties and the other completes the opposite side and can also provide space for a linear LED tape which can provide further illumination options.

Lengths of the profile are either 1300mm or 2600mm long sections. These are joined with the mechanical joining kits. The profiles can be equipped with either DALI or mains dimmable track.



A single side maybe used when required such as against a wall.







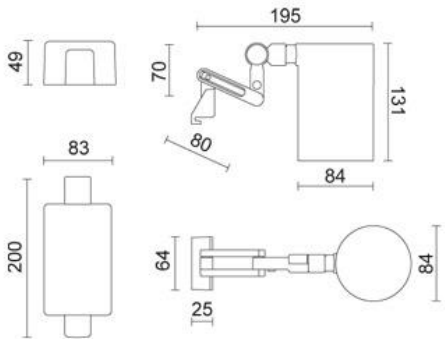
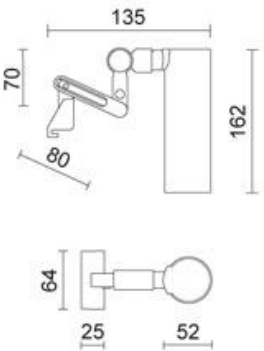
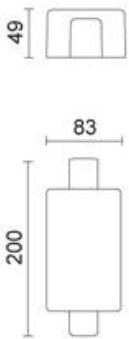
Description

Spotlights for Granite Line lighting system, equipped with a high efficiency COB LED. It features an adjustable arm with triple junction, for cardan movements on all axes, in addition to the 350° orientation of the head. Both professional optics to get different beam angles, and optical devices for a better visual comfort are available as accessories.

Notes : Max. 5 fittings on each 1300 mm Broadway profile. Max. 10 fittings on each 2300 mm Broadway profile.

Features

- Aluminium housing
- 52mm diameter for 1000- 2500 lumens
- 84mm diameter for 3000-4500 lumens
- Black or white finish
- 3000 or 4000K
- Wide variety of accessories
- Extremely adjustable
- Beam angles from 11 degree to 70 degree
- Switching or DALI dimming



Gold reflector accessory



Glass clear lens



24 degree reflector



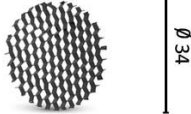
45 degree reflector

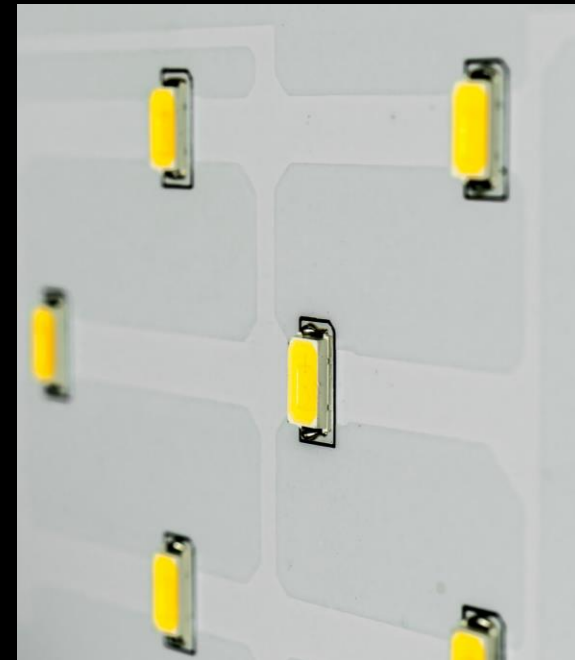


Extra wide reflector



Honeycomb louvre





Emergency escape lighting



## Description

Utilising our trained ICEL engineers, we can put together a compliant emergency lighting scheme for your project. Most of our product can be converted to emergency lighting. For stand alone products we have a range that will suit most situations.

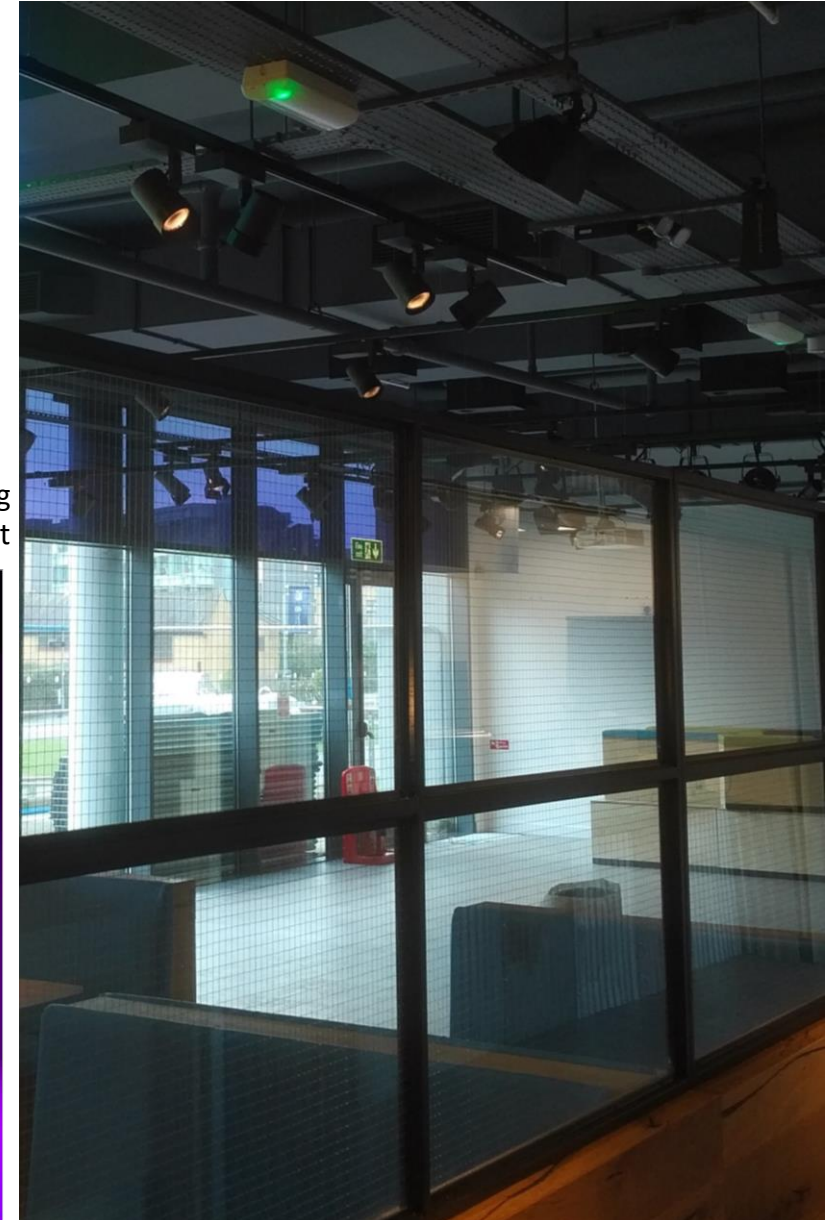
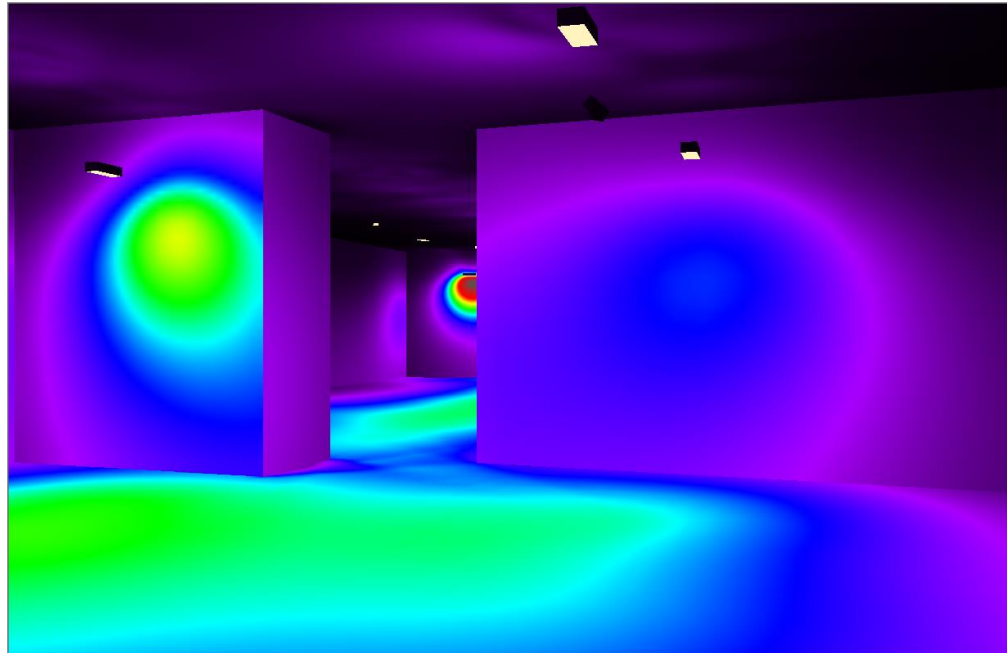
Lighting calculations can be performed to show compliance and a range of options can be explored

Recessed, surface, twin spots, self test, DALI EM packs, IP65 rated, colour matched finishes are a few of the product and services we offer.

Under rail emergency lighting solution



Lighting calcs produced for 15 lux minimum along the escape route and the end result

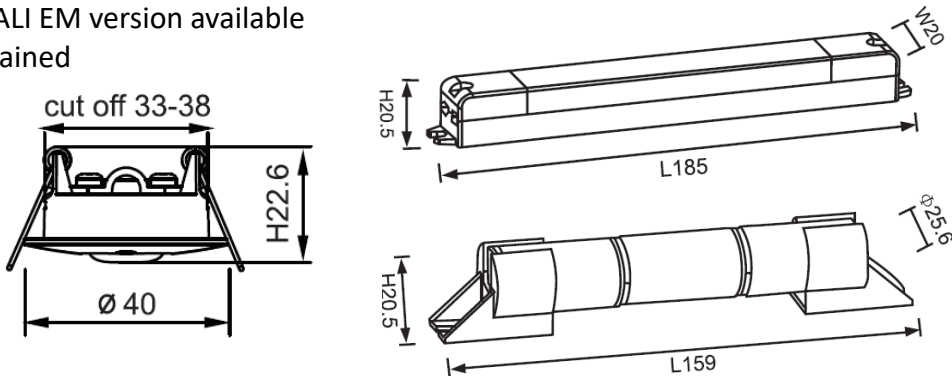




Description

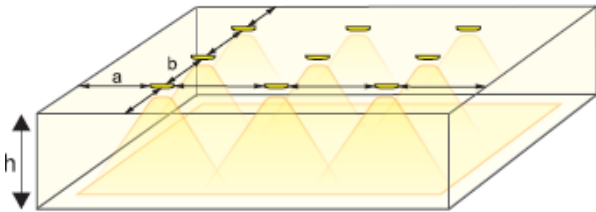
A small discreet recessed emergency down light with corridor or open plan lens options.  
2 watt 180 lumens

- 40mm diameter head
- Ni-Cd batteries
- 180 delivered lumens
- Corridor lens option
- Open plan lens option
- Black or white finish
- Tridonic DALI EM version available
- Non maintained



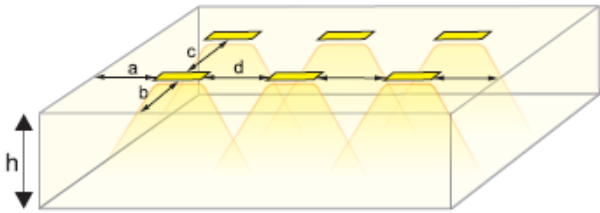
MOUNTING DISTANCE

0.5 lx Open Area Lens



Open	2W	
H (m)	a(m)	b(m)
2.8	6.7	15.8
3	6.8	16.5
4	7	16.8
5	7.5	17

1 lx Corridor Lens



Corridor	2W			
H (m)	a(m)	b(m)	c(m)	d(m)
2.8	8.7	2.1	4.5	19
3	9.1	2.2	4.5	20
4	10.1	2.4	5.1	24.2
5	6.5	2.4	5.1	26.5



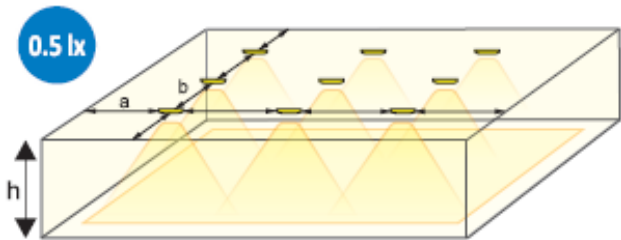
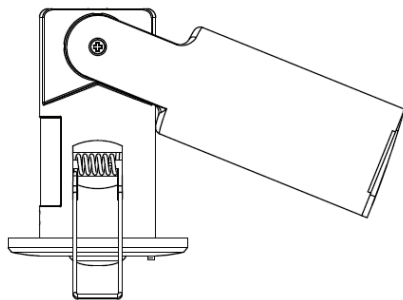
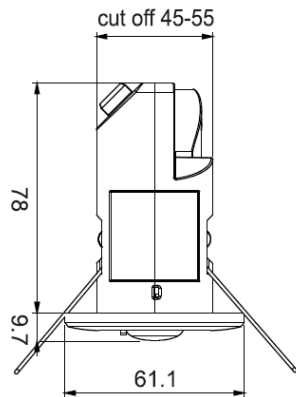
# ECLIPSE Recessed stand alone 3 watt emergency downlight



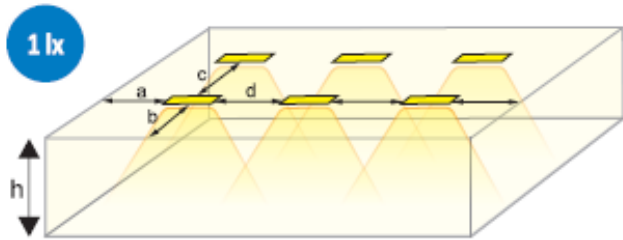
## Description

A small discreet recessed emergency down light with corridor or open plan lens options. 3 watt 280 lumens

- 60mm diameter head
- Advanced LiFePO4 batteries for longevity
- 280 delivered lumens
- Corridor lens option
- Open plan lens option
- Black or white finish
- Tridonic DALI EM version available
- Non maintained



Open	3W	
H (m)	a (m)	b(m)
2.8	5.6	14
3	5.7	14.3
4	6	15.4
5	6.2	16.2



Open	3W			
H (m)	a(m)	b(m)	c(m)	d(m)
2.8	9	1.8	4.5	22
3	9.2	1.8	4.6	22.7
4	9.7	1.8	5.1	25.1
5	9.8	2.4	5.2	26.5
6	7.0	2.1	5.1	26
7	5.7	1.5	6.2	24.6

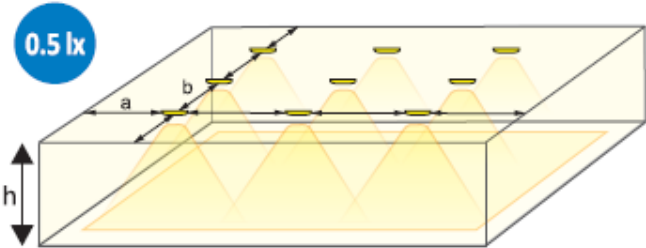
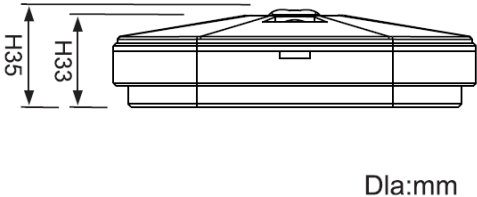
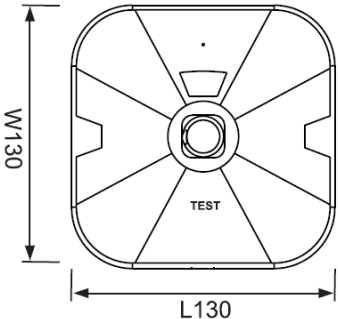
# PORT surface 3 watt emergency downlight



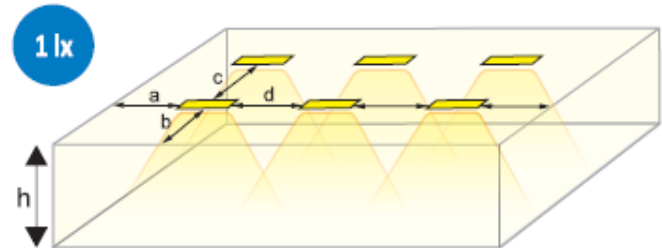
## Description

A surface mounted emergency down light with corridor or open plan lens options. A range of outputs for every situation. IP54 rated. 850 degree glow wire test passed.

- 130mm square, 35mm high
- Advanced LiFePO4 batteries for 3 hour operation
- 3 watt -260 delivered lumens
- Corridor lens option
- Open plan lens option
- Black or white finish
- Non maintained and Self test versions



Open	3W	
H (m)	a (m)	b(m)
2.8	5.6	14
3	5.7	14.3
4	6	15.4
5	6.2	16.2



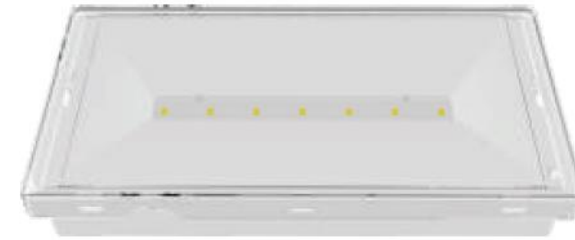
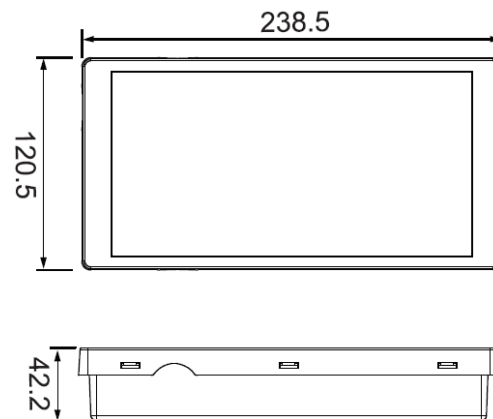
Open	3W			
H (m)	a(m)	b(m)	c(m)	d(m)
2.8	9	1.8	4.5	22
3	9.2	1.8	4.6	22.7
4	9.7	1.8	5.1	25.1
5	9.8	2.4	5.2	26.5
6	7.0	2.1	5.1	26
7	5.7	1.5	6.2	24.6



## Description

A stylish surface mounted IP65 rated emergency bulkhead (slim head as we like to call it!) A range of outputs for every situation. IP65 rated. 850 degree glow wire test passed. Multiple mounting options make this a versatile product

- 240mm x 121mm
- Advanced LiFePO4 batteries for 3 hour operation
- 3 watt -300 delivered lumens
- Recessed option
- Open plan lens option
- 20m viewing distance
- Maintained
- Non – maintained
- EN1838 compliant
- ISO 3864 compliant



Surface



Recessed



Ceiling

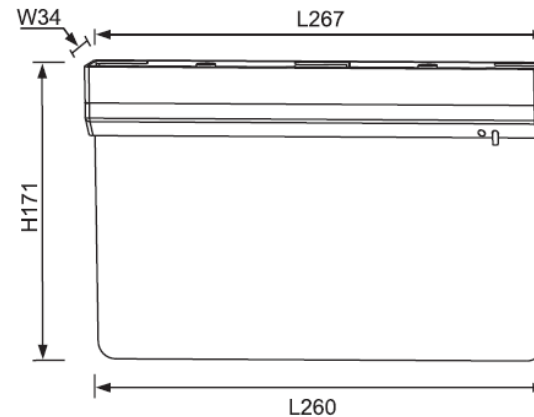
# SHIELD EXIT escape sign



## Description

A stylish emergency exit sign. A variety of mounting options and signs are available. The SHIELD uses the very latest Lithium Iron Phosphate battery technology for the longest possible product life cycle.

- 260mm x 145mm sign – 26m viewing distance
- Advanced LiFePO4 batteries for 3 hour operation
- 2 watt –
- Maintained
- Non – maintained
- ISO3864 and EN1838 compliant
- Self Test



## MOUNTING OPTIONS



Recessed mounted



Suspended mounted



Parallel mounted



Wall mounted



Perpendicular mounted



Perpendicular mounted

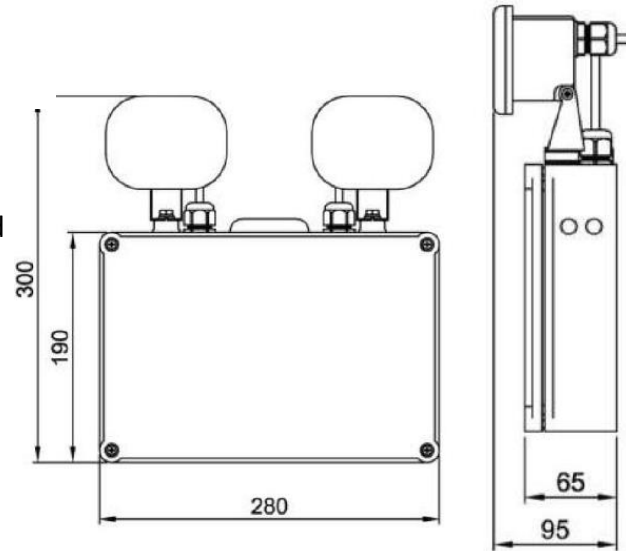




## Description

The GO is a simple to install 3 hour Non-Maintained LED Emergency Twin Spot unit with an ingress protection rating of IP65. Black or white finish.

- Ni-CD batteries for 3 hour operation
- 6 watts -610 lumens total output
- Maintained
- Non – maintained
- DALI and self test
- ISO3864 and EN1838 compliant





[www.silent.design](http://www.silent.design)



silent

Making illumination better