Mast
PRODUCTS

Mast
PRODUCTS

LED's
innovate!

Catalogue 2013
Mast Products Int.

"London"
"Liverpool"
&
"Southampton"

The "London", "Liverpool" and "Southampton" are made of 316 Stainless Steel with a white powder coated Aluminium back body designed with integral spring clips for simple mounting.

They are suitable for both interior and exterior use.

The trim bezels are available in either White Powder Coat or Polished Stainless Steel finish.

Specifications
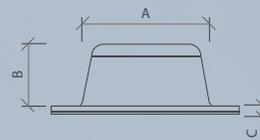Art. No.: LIV-010101-PS & LIV-010101-WH

LED Options:

1	45mm LED Engine Art.No.RB303030 to RB373737
2	48mm LED Engine Art.No.RE040404 to RE060606
3	60mm LED Engine Art.No.RF606060 to RF616167
Ø	102mm Bezel White Powder Coated or Polished SS finish
A	84mm
B	32mm
C	1,5mm

IP65

Finishes available

Specifications
Art. No.: LON-010101-PS & LON-010101-WH

LED Options :

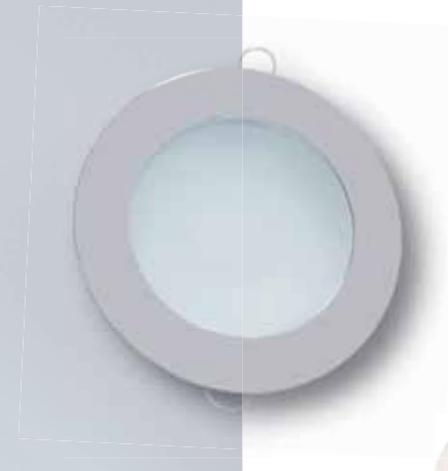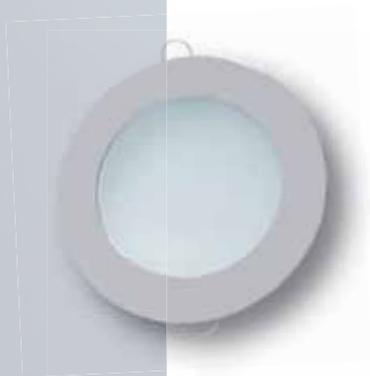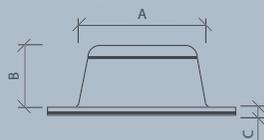| 1 | 45mm LED Engine Art.No.RB303030 to RB373737 |
2	48mm LED Engine Art.No.RE040404 to RE060606
3	60mm LED Engine Art.No.RF606060 to RF616167
Ø	88mm Bezel White Powder Coated or Polished SS finish
A	74mm
B	30mm
C	1,5mm

IP65

Finishes available

Specifications
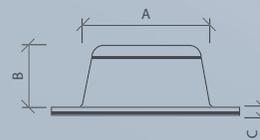Art. No.: SOU-010101-PS & SOU-010101-WH

LED Options:

1	60mm LED Engine RF606060 to RF616167
2	103mm LED Engine RB383838 to RB383850
Ø	154mm Bezel White Powder Coated or Polished SS finish
A	118mm
B	37mm
C	1,5mm

IP65

Finishes available

"VENICE" & "NAPLES"

The "Venice" and "Naples" are made of 316 Stainless Steel with a white powder coated Aluminium back body designed for screw mounting.

They are suitable for both interior and exterior use. The trim bezels are available in either White Powder Coat or Polished Stainless Steel finish.

Finishes available

Specifications
Art. No.: VEN-010101-PS & VEN-010101-WH
& VEN-010101-SN & VEN-010101-BP

LED Options:

1	45mm LED Engine Art.No.RB303030 to RB373737
2	48mm LED Engine Art.No.RE040404 to RE060606
Ø	80mm Bezel White Powder Coated or Polished SS finish
A	53mm
B	18mm
C	7mm

Other colours availeble on request

IP65

"ROME" & "MILANO"

The "Rome" and "Milano" are made from the newest PPS heat conductive plastic which eliminates any potential for corrosion.

The back body is designed for screw mounting. They are suitable for both interior and exterior use and are available in a White or Chrome finish.

Finishes available

Specifications
Art. No.: ROM-010101-CP & ROM-010101-WH

LED Options:

1	45mm LED Engine Art.No.RB303030 to RB373737
2	48mm LED Engine Art.No.RE040404 to RE060606
Ø	80mm Bezel White or Chrome finish
A	53mm
B	18mm
C	7mm

IP65

Finishes available

Specifications
Art. No.: NAP-010101-PS & NAP-010101-WH
& NAP-010101-SN & VEN-010101-BP

LED Options:

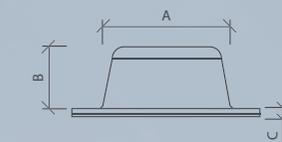|	
1	45mm LED Engine Art.No.RB303030 to RB373737
2	48mm LED Engine Art.No.RE040404 to RE060606
3	60mm LED Engine Art.No.RF606060 to RF616167
Ø	100mm Bezel White Powder Coated or Polished SS finish
A	64mm
B	25mm
C	8mm

Other colours availeble on request

IP65

Finishes available

Specifications
Art. No.: MIL-010101-CP & MIL-010101-WH

LED Options:

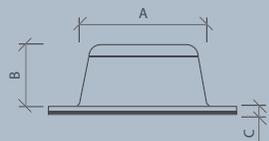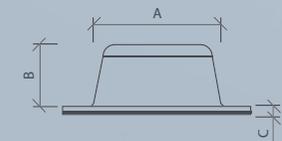|	
1	45mm LED Engine Art.No.RB303030 to RB373737
2	48mm LED Engine Art.No.RE040404 to RE060606
3	60mm LED Engine Art.No.RF606060 to RF616167
Ø	100mm Bezel White or Chrome finish
A	64mm
B	25mm
C	8mm

IP65

"Marbella"
&
"Madrid"

The "Marbella" and "Madrid" are interior lights designed to swivel. They are constructed of Stainless Steel and have internal spring clips in the back body for simple mounting.

They are available in White Powder Coat or Polished Stainless Steel finish.

Finishes available

Specifications
Art. No.: MAR-010101-CP & MAR-010101-WH
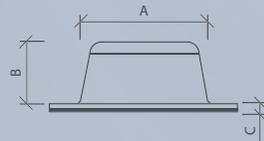
LED Options:		
1	50mm LED Engine Art.No. RF040404 to RF060606	
Ø	80mm Bezel White Powder Coated or Polished SS finish	
A	21mm	
B	65mm	
C	8,5mm	

IP55

Specifications
Art. No.: TAR-010101-PS, TAR-010101-SC

LED Options:		
1	48mm LED Engine	
Ø	80mm Polished Stainless and Satin Chrome.	
A	61mm	
B	22mm	
C	5mm	

IP55
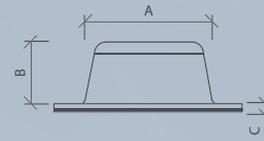
The "TARIFA" is an interior light which is designed to swivel. They are constructed of StainlessSteel and have internal spring clips in the back body for simple mounting.

Finishes available

Specifications
Art. No.: MAD-010101-CP & MAD-010101-WH

LED Options:		
1	50mm LED Engine Art.No. RF040404 to RF060606	
Ø	80mm x 80mmBezel White or Polished SS finish	
A	21mm	
B	65mm	
C	8,5mm	

IP55

Finishes available
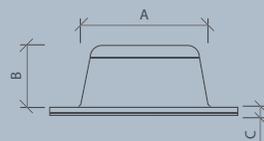
Specifications
Art. No.: COR-010101-PS, COR-010101-SC

LED Options:		
1	60mm LED Engine	
Ø	80mm Polished Stainless and Satin Chrome.	
A	61mm	
B	31mm	
C	5mm	

IP55
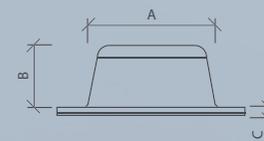
The "Cordoba" is an interior light. They are constructed of Stainless Steel and have internal spring clips in the back body for simple mounting.

Finishes available

"SEVILLA"

Specifications
Art. No.: RF040404 to RF060606

LED Options :
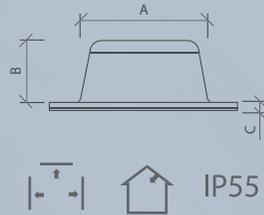
1	45mm LED Engine Art.No.RB303030 to RB373737
2	48mm LED Engine Art.No.RE040404 to RE060606
Ø	103mm Bezel White Powder Coated or Polished SS finish
A	57mm
B	27mm
C	5,5mm

Other colours availeble on request

Finishes available

IP55

Technical Details Of The LED Engines
An M4 screw is provided on the back side of all LED Engines for easy installation.

Specifications
Art. No.: RE040404 to RE060606

Options - Light Colour:

1	Warm White 3200K*
2	Cool White 5500K*
3	3 Colour W/B/R* (White, Blue, Red)
4	7 Colour W/B/R/G/Y/P/B* (White, Blue, Red, Green, Yellow, Purple, Light Blue)

Power Input: 10-24V/AC or 10-30V/DC
Power Consumption: 3 Watts

48mm LED Engine

*The Engines are all available with a 4 wire internal dimming version or a 2 wire version which can be dimmed with our external DR050505 LED dimmer. All Engines are reverse polarity protected.

An M4 screw is provided on the back side of all LED Engines for easy installation

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Front Cover Fitting Kits Retro Fit Light

Choose your fixture for interior use.

For interior use, the Retro Fit LED Light Units can easily be fitted with the available front cover fitting kits which are available in a round or square shape, in 4 different finishes - white, brass, brushed aluminium and chrome.

The MR16 size unit will also fit any standard MR16 light fixture from any supplier.

Finishes available

Specifications
Art. No.: RF101010-RF101017

Front Cover Round:
MR16 Size Ø62mm
60mm Size Ø76mm

Front Cover Square:
MR16 Size 62mm x 62mm
60mm Size 76mm x 76mm
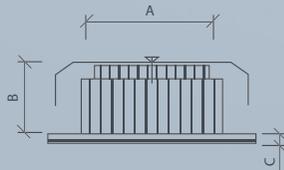
Retro Fit 3Watt MR16 Size:
A- 52mm Cut out
B- 25mm Depth
C- 2,5mm Thick

Retro Fit 3Watt 60mm Size:
A- 65mm Cut out
B- 25mm Depth
C- 2,5mm Thick

IP44

Specifications
Art. No.: RF040404 to RF060606

Options Light Colour:

1	Warm White 3200K*
2	Cool White 5500K*
3	3 Colour W/B/R*1 (White, Blue, Red)
4	7 Colour W/B/R/G/Y/P/B*1 (White, Blue, Red, Green, Yellow, Purple, Light Blue)

Power Input: 10-24V/AC or 10-30V/DC
Power Consumption: 3 Watts

50mm LED Engine

*The Engines are all available with a 4 wire internal dimming version or a 2 wire version which can be dimmed with our external DR050505 LED dimmer.
*1 Available in a 2 wire version non dimmable or a 4 wire version dimmable. 2 wire versions will change colour when turning off and on power.
All Engines are reverse polarity protected.
All our 2, 3 and 7 colour RGB lights will self-synchronize with each other.

60mm LED Engine

*The Engines are all available with a 4 wire internal dimming version or a 2 wire version which can be dimmed with our external DR050505 LED dimmer.

*1 Only available in 4 wire dimming.

All Engines are reverse polarity protected.

All our 2, 3 and 7 colour RGB lights will self-synchronize with each other.

Specifications
Art. No.: RF606060 to RF616167

Options Light Colour:

1. Warm White 3200K*
2. Cool White 5500K*
3. 2 Colour B/W (Blue, White)*1
4. 3 Colour W/B/R* (White, Blue, Red)
5. 7 Colour W/B/R/G/Y/P/B* (White, Blue, Red, Green, Yellow, Purple, Light Blue)

Power Input: 10-24V/AC or 10-30V/DC
Power Consumption: 3 Watts

Specifications
Art. No.: ML010101-ML060607

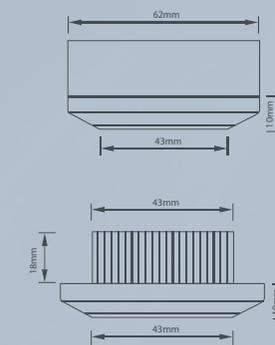|	
Light Source :	3x 1 Watt LED'S
Power Source :	10V-30V/DC
Power consumption :	3 Watt
LED colours :	Warm White, Cool White or Bright Blue
Material :	Anodized Aluminium
Finish :	Aluminium & White

62mm
10mm
43mm
43mm
18mm
10mm
43mm

IP67

High Power LED Multilight

The Multi Light is designed to be used in many ways and can even be fitted in 'hard knock' environments or outside as they come with hardened glass and are waterproof.

This light may be either surface mounted or recess mounted by simply removing the back housing.

The Multi Lights are a perfect choice for use as spreader lights.

For recessed mounting simply remove the backside housing.

Finishes available

45mm LED Disc Engine 7&15 pcs SMD

*This Engine can be dimmed with our DR050505 LED Dimmer.
All Engines are reverse polarity protected.
*1 Light will change colours when power is cycled on and off.

*This Engine can be dimmed with our DR050505 LED Dimmer.
*1 Will change colour when turning off and on power. Not dimmable.
All Engines are reversed polarity protected.
All our 2, 3 and 7 colour RGB lights will self-synchronize with each other.

7pcs SMD

Specifications
Art. No.: RB303030 to 3131

Options Light Colour:

1. Warm White 3200K*
2. Warm White + 1 RED LED*1

Power Input: 10-24V/AC or 10-30V/DC
Power Consumption: 1,2 Watts

15pcs SMD

Specifications
Art. No.: RB353535 to RB353545

Options Light Colour:

1. Warm White 3200K*
2. Cool White 5500K*
3. 3 Colour W/B/R (White, Blue, Red)*1

Power Input: 10-24V/AC or 10-30V/DC
Power Consumption: 2,5 Watts

Specifications
Art. No.: RB101010-RB222223

Light Source :	7 Super Bright Chip LED's
Power Source :	10V-30V AC/DC
Power consumption :	1,2 Watt
LED colours :	Warm White & Soft White
Material :	G4 Anodized Aluminium MR11/MR16 Glass
Mounting :	Replacement fitting

IP55

G4, MR11 & MR16 LED Replacement Bulbs

With the G4, MR11 and MR16 7-Super Bright Chip LED Replacement Bulbs, you can instantly replace all of your halogen lights with LED's.
These LED Replacement Bulbs will give you the light output equivalent of a 10watt halogen bulb.

The G4 version is available with side or back pins depending on the fixture it must be fitted into. Ceiling lights will typically use the side pin version, and reading lights will typically use the back pin version.
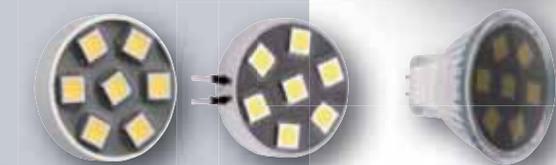
Bay15D LED Replacements Bulbs

The Bay15d 50-LED Replacement Bulb will replace your conventional incandescent light bulb, instantly converting your navigation lights to LED, for boats up to 20 meters.

Available colours are White, Red, Green, Two Colour Red/Green and Three Colour Red/Green/White to fit all versions of navigation light fittings.

These LED bulbs consume merely 3.5watts of power and have the same light output as a conventional 25watt incandescent bulb.

Specifications
Art. No.: RB10101-RB050505

Light Source :	50pcs 5mm Super Bright LED's
Power Source :	10V-30V/DC
Power consumption :	3,5 Watt
LED colours :	All Around Red, Green, White, Two colour Red, Green, Three colour Red, Green, White
Material :	Anodized Aluminium
Fitting :	Bay15D

IP67

LED Step/Courtesy Light

Specifications
Art. No.: SC010101-SC040404

Light Source :	5x 5mm Super bright LED's
Power Source :	10V-30V/DC
Power consumption :	0,5 Watt
LED colours :	Warm White or Cool White
Material :	Aluminium
Finish :	Chrome & Brass
Dimensions :	110mm Long, 20mm Height & 13mm Width
Mouting :	Surface mounted

IP67

The LED Step/Courtesy Light is designed not to shine into your eyes when lighted. Due to the cover design, the light shines downward.
There are also no visible screws because of the smart mounting system.
The 5mm Super Bright LED's in this fixture are available in Warm White or Cool White, with two choices of finishing, Chrome or Brass.

BA15D, BA15S & Festoon T13x44 18 Double Chip LED Replacement Bulbs

The BA15d, BA15s & Festoon style 18-Double Chip LED Replacement Bulbs will replace your conventional incandescent light bulbs, instantly converting your navigation lights to LED, for boats up to 12 meters. Because each LED has two Chips, the Replacement Bulb has the same light output compared with 36 normal LED's.

Available colours are White, Red, Green & Two Colour Red/Green, to fit all versions of navigation lights.

The LED Replacement Bulbs consume merely 2watts of power and have the same light output as a conventional 10watt light bulb.

For some brand manufacturers of navigation lights fixtures, a bulb with our special dimple fitting is required for fitting in these fixtures. These Replacement Bulbs with the special fitting we call "Special Dimple Fitting".

Specifications
Art. No.: RB060606-RB090912

Light Source :	18pcs Double Chip Super Bright LED's
Power Source :	10V-15V/DC
Power consumption :	2 Watt
LED colours :	All Around Red, Green, White & Two Colour Red & Green
Material :	Anodized Aluminium
Fitting :	BA15D, BA15S, Festoon T13x44 & Festoon "Special Dimple Fitting"

IP67

Flexible LED Strip

Specifications
Art. No.: LL010101 - LL010104

Light Source :	Flexible SMD LEDstrip
Power Source :	10V-15V/DC The RGB needs Driver DR020202-12V to power
LED Colours :	Warm White, Cool White, Bright Blue and 7 colour RGB
Material :	Flexible Silicon Strip
Mounting :	Surface Mounting
Dimensions :	17mm Width in pcs of 500 mm lenght

IP67
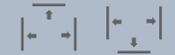
This very flexible waterproof LED Strip is easy to fit due to the 3M tape on the back. The Strips are available in Warm White, Cool White, Bright Blue and 7-Colour RGB. The RGB range of colours are White, Red, Light Blue, Dark Blue, Purple, Yellow and Green. The RGB Flexible LED Strip requires a driver to power and control the colour settings. This Driver will allow you to set colours, gradually change through all 7 colours, and provides dimming control.

The LED Strip may be cut every 10cm to achieve the length required for the installation. The Strip is available in lengths of 50cm with connectors on each end for easy connection. Extension cables of 10 meter length and corner connections are also available.

As with all of our RGB Lights, there is also a mode to gradually change through all of the colours, and when connected in a circuit together with our 7 colour RGB Retro Fit Lights these will all operate synchronised.

High Power LED Bars

These anodized aluminium units are slim and waterproof, thus allowing you to quickly and easily install or add lighting wherever it may be required.
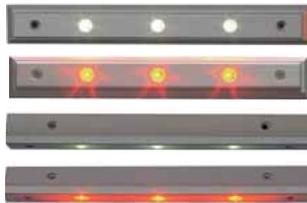The small 21cm LED Bars come in two shapes - flat and triangular, and in various output colours.

The small flat shape is perfect for use as a boom light.

The long 95cm and 125cm LED Bars are available only in the flat version, in Warm White, Cool White or 7-Colour RGB light output.

The long LED Bars in Cool or Warm White are perfect for use as engine room lights.

Specifications
Art. No.: LB707070-LB909090

Light Source :	3x1 Watt LED's
Power Source :	10V-15V/DC
Power consumption :	3 Watt
LED Colours :	Flat Version: Warm White, Cool White Bright Blue & Red Triangle version: Warm White & Red
Material :	Anodized Aluminium
Finish :	Aluminium
Dimensions :	3cm Width, 21cm Long & 1cm height
Mounting :	Surface Mounted

95cm/125cm Version:

Light Source:	18x1Watt 0r 24x1Watt LED's
Power Source:	10V-15V/DC
Power consumption:	18Watt or 24Watt
LED Colours:	Warm White & Cool White
Material:	Anodized Aluminium
Finish :	White
Dimensions :	3cm Width, 1cm height & 95cm or 125cm Long
Mounting:	Surface Mounted

IP67

Slim LED Bar

The Slim SMD LED bar can be installed with the polycarbonate hooks on the rail of a bimini top, or by removing the hooks they can be fitted with screws underneath cabinets, etc. The light output is Warm White which is comfortable for your eyes.

With a car plug and converter, which is supplied with the slim LED bars, you can choose to power the light with either low voltage or high voltage.

The slim bar is supplied with 5 meters of wire with connectors to connect the car plug or the converter.

The light is perfect in situations where light is temporarily required and must be able to be removed.

Specifications
Art. No.: SB010101

Light Source :	24x 0,25 Watt SMD LED's
Power Source :	10V-30V AC/DC or high voltage by converter
Power consumption:	6 Watt
LED Colours :	Warm White
Material :	Aluminium polycarbonate
Mounting :	Surface Mounting
Dimensions :	10mm x 15mm x 500mm

IP44

Specifications
Art. No.: WR010101 - WR010103

Light Source :	1x 3 Watt LED
Power Source :	10V-30V AC/DC
Material :	Aluminium
Led colours:	Warm White
Dimensions :	3cm stiff shaft, 10cm flexible shaft, 30cm flexible shaft
Finish:	Chrome
Mounting:	Surface mounting

IP55

LED Wall/Reading Light

The LED Wall/Reading Light comes in 3 different design shapes. A 3cm stiff shaft, a 10cm flexible shaft and a 30cm flexible shaft.
These lights are provided with a built-in dimmer switch which is controlled by the push button on the base. The lights may also be controlled by a wall switch in a circuit of lights - when the light is powered it will come on, and then may be controlled for on/off and dimming by the push button on the fixture.

Specifications
Art. No.: CH010101-CH020202

Light Source :	18x Very Bright White LED's
Power Source :	10V-30V/DC
Power consumption :	1,2 Watt
Material :	Aluminium
Finish :	Chrome & Brass
Dimensions :	30cm Flexible Shaft
Mounting :	Surfaced Mounted

IP55

LED Chart/Reading Light With Touch LED

In the dark you can always find this light very easily due to the red LED which is lighted all the time.

Simply touch the red LED, and the very bright white LED's will light up. Touch the LED again, and the white LED's will turn off, leaving only the red LED on.

With the red LED on all the time, this light serves as low level illumination for navigation at night.

Moon

Two NEW Courtesy lights with a lot of colour options

The "Moon" is a new LED courtey light made with a plastic back body and 316 stainless steel bezel. It is available in white powder coat or Polished Stainless Steel finish. A choice of light output colour is available including a 3 colour RGB version.

Specifications
Art. No.: ML707070 to ML717175

Options light colour :

1	Warm white 3200K*
2	Cool white 5500K*
3	Bright blue*
4	3 Colour RGB W/B/R *1

Power input :   10-24V/AC or 10-30V/DC

Power
consumption :   0,5 Watts

Ø 78mm x 37mm

* This light can be dimmed with our DR050505 LED dimmer.
* 1 Light will change colours when power is cycled on and off.
All our 2,3 and 7 colours RGB lights will self-synchronize with each other.

IP65
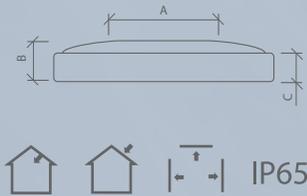
Specifications
Art. No.: MP010101 - HV- MP020202 HV/LV

Options light colour:

1 - Warm white 3200K LV + HV*
2 - Soft white 3900K LV + HV*
3 - Soft white 3900K + red circuit LV + HV*
4 - Soft white HV + white circuit LV*1

Power input :
LV=Low voltage 10-24V/AC or 10-30V/DC
HV= High voltage 85V-265V/AC 50~60Hz

Power
consumption: 18 Watts

Installation :   Surface mounting with bracket or flush mounting without bracket.

"Oceanus"

NEW Utility Light with a lot of Features.

The "Oceanus" is a multipupose utility light made of polycarbonate with an anodised aluminium heat sync. It is avaiable in high voltage and/or low voltage, and also a version with additional red circuit, or an emergency low voltage backup circuit.
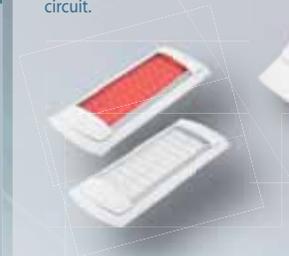
Withe and red Cirquits

Star Courtesy Light.

The "star" is our new LED courtesy light made with a polycarbonate body and 316 stainless steel ring. The rear housing is made from chrome plated brass. Different light colours outputs are available including 3 and 7 colour RGB

Specifications
Art. No.: ML404040 to ML505045

Options light colour :

1	Warm white 3200K*
2	Cool white 5500K*
3	Bright blue*
4	Red*
5	3 Colours RGB W/B/R (White/Blue, Red) *1
6	7 Colour W/B/R/G/Y/P/B* (white, Blue, Red, Green, Yellow, Purple, Light blue) *1

Ø 36mm

Power input :   10-24V/AC or 10-30V/DC

Power
consumption :   0,5 Watts

* This light can be dimmed with our DR050505 LED dimmer.
* 4 wire dimming version.
All our 2, 3 and 7 colour RGB lights will self-synchronize with each other.

IP65
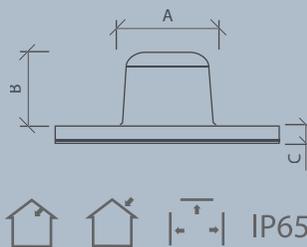
Specifications
Art. No.: FL020201-LV - FL020212-LV

Light Source :	1x 10 Watt ceramic LED
Power Source :	10V-30V DC
Power consumption:	10 Watt
LED colours :	Warm White, Soft White
Material :	Aluminium & A4316 Stainless steel
Dimensions :	120mm x 85 mm x 55mm

IP66

LED Flood Light

For this 10 watt LED Flood Light we use the newest Ceramic and Chip technology which can replace a 50 watt halogen flood light.
All stainless steel parts including the bracket are made of high quality A4 316 stainless steel, and the finish is achieved with a double powder coating process which makes the light salt waterproof. These LED Flood Lights will be available in a Grey or White Finish, and offer the choice of Warm White 3200K or Soft White 3900K colour output.

Driver/Dimmer Manual & Wiring Diagram RGB LED Bars

The DR010101 Driver/Dimmer is for use with the RGB LED Bars with 4.2V/DC input.
A pulse (momentary) switch is required to control the driver.

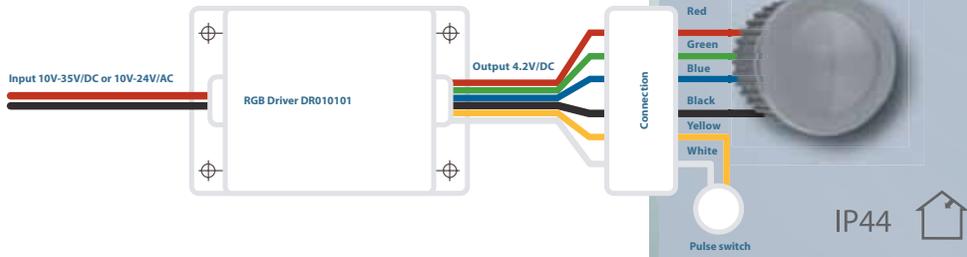The green, blue, grey and red wires should always be connected with similar coloured wires. This is extremely important because the LED's are sensitive to polarity.

Specifications
Art. No.: DR010101

Connection with :	RGB LED Bars
Power Source :	Input: 10V-24V AC or 10V-35V/DC
Output :	4.2V / 15A
Dimming Mode :	Yes
Control Switch :	Pulse/Momentary Switch
Material :	Aluminium Housing

WARNING: IF NOT CONNECTED PROPERLY, THE LED ENGINE WILL FAIL!
USE CAUTION TO NOT CONNECT THE WHITE AND YELLOW CONTROL WIRES TO ANY POWER SOURCE. IF THE WHITE AND YELLOW WIRES ARE CONNECTED TO ANY POWER SOURCE, EVEN BRIEFLY, THE UNIT WILL FAIL! NO WARRANTY CAN BE ALLOWED FOR ANY UNIT THAT HAS HAD THE WHITE AND YELLOW WIRES CONNECTED TO ANY POWER SOURCE.

Input 10V-35V/DC or 10V-24V/AC
RGB Driver DR010101
Output 4.2V/DC
Connection
Red
Green
Blue
Black
Yellow
White
Pulse switch
IP44

Driver/Dimmer Manual & Wiring Diagram RGB LED Line

The DR020202 Driver/Dimmer is for use with the Flexible RGB LED Lines.
We have a 12V and a 24V version available depending on the voltage system to place the line.
A pulse switch is needed to control the driver. It will allow you to control the colour setting and dimming.
The green, blue, grey and red wires should always be connected with the similar coloured wires on the LED Line. This is very important, because the LED's are sensitive to polarity.
The white and yellow wires are for connecting the control switch.
WARNING: IF NOT CONNECTED PROPERLY, THE LED LINE WILL BREAK DOWN!

The 12V version can be connected with a max. of 5 meter RGB LED Line.
The 24V version can be connected with a max. of 10 meter RGB LED Line.
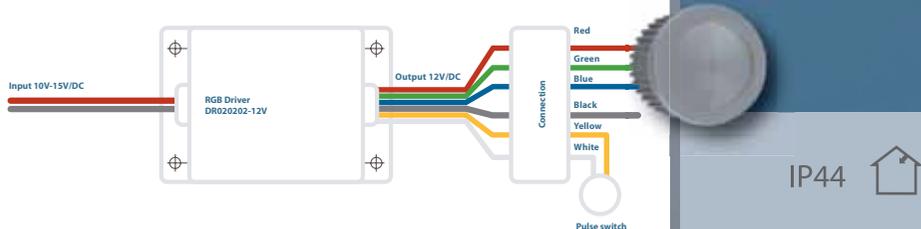
Specifications
Art. No.: DR020202-12V

Connection with :	Flexible RGB LED Line
Power Source :	10V-15V/DC
Output :	12V/DC
Dimming Mode :	Yes
Control Switch :	Pulse/Momentary Switch
Material :	Polycarbonate

Input 10V-15V/DC
RGB Driver DR020202-12V
Output 12V/DC
Connection
Red
Green
Blue
Black
Yellow
White
Pulse switch
IP44

Retro Fit Led Units Extended Version Manual & Wiring Diagram

WARNING: USE CAUTION TO NOT CONNECT THE WHITE AND YELLOW CONTROL WIRES TO ANY POWER SOURCE. IF THE WHITE AND YELLOW WIRES ARE CONNECTED TO ANY POWER SOURCE, EVEN BRIEFLY, THE UNIT WILL FAIL! NO WARRANTY CAN BE ALLOWED FOR ANY UNIT THAT HAS HAD THE WHITE AND YELLOW WIRES CONNECTED TO ANY POWER SOURCE.
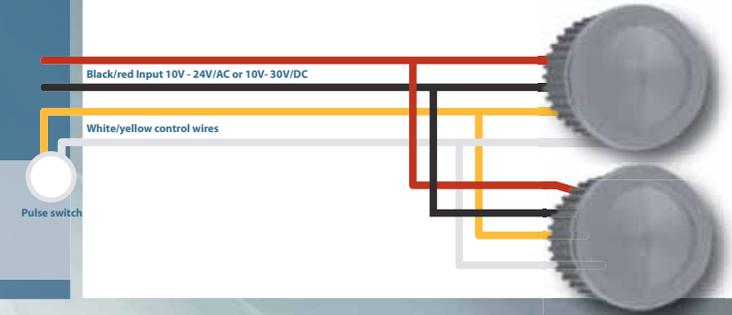
The extended version of the Retro Fit Light Unit will allow you to dim the LED lights as the dimmer is built in to the light. It is a 4-wire system. The black and red wires are the power input wires. The light will operate on a voltage range of 10-24 volts AC, or 10-30 volts DC.
The white and yellow wires are to be connected to a pulse (momentary) switch for on/off and dimming control.

For controlling multiple units in a single circuit simply connect the all yellow wires together and all white wires together and connect them all to the same pulse (momentary) switch.
Although the power to the lights may be provided from more than one source, as long as the unit's yellow and white control wires are connected together the circuit may be operated by a single control switch. Additional pulse (momentary) switches may be paralleled together to allow for controlling the light circuit from more than one location.

Black/red Input 10V - 24V/AC or 10V- 30V/DC
White/yellow control wires
Pulse switch

Dimmer 10V-30V/DC – 10V-30V/DC Manual & Wiring Diagram

Specifications
Art. No.: DR050505

Power Source :	Input: 10V-30V DC / Output: 10V-30V/DC - 4A Max
Control Switch :	Pulse/Momentary Switch
Material :	Polycarbonate Housing

WARNING: USE CAUTION TO NOT CONNECT THE WHITE AND YELLOW CONTROL WIRES TO ANY POWER SOURCE. IF THE WHITE AND YELLOW WIRES ARE CONNECTED TO ANY POWER SOURCE, EVEN BRIEFLY, THE UNIT WILL FAIL! NO WARRANTY CAN BE ALLOWED FOR ANY UNIT THAT HAS HAD THE WHITE AND YELLOW WIRES CONNECTED TO ANY POWER SOURCE.

The dimmer DR050505 is a 10V-30V/DC special LED dimmer for our LED Lights.
A pulse (momentary) switch is required for controlling the on/off and dimming mode.
The driver can handle up to 50 watts of LED lights.

For this dimmer the newest smart dimming technology is used for smooth dimming of our LED Lights.

Red/black Input 10V-30V/DC
Dimmer 10V-30V/DC to 10V-30V/DC 50Watt Max. DR050505
Red/black output 10V-30V/DC 4A
White/yellow control wires
Pulse switch
IP44

Information

IP44	
IP55	
IP65	
IP67	
IP68	

Protection from solids :	Protection from liquids :
Tools & small wires (>1mm)	Water spray from any direction
Limited dust ingress protection	Low pressure water jets from any direction
à Totally protected against dust (protection from solids), Protected against low pressure jets if water from all directions - limited ingress permitted (protection from liquids).	
Total dust ingress protection	
Total dust ingress protection	Total dust ingress protection
Interior use	Temporary immersion between 15cm and 1m depth
Exterior use	
Wall and Ceiling	
Wall and Floor	
Tread Resistant	

Distribution info

For availability of our LED products please visit our website at www.mastproducts.com.
Go to the LED Lights distributor page for your nearest stockist.
If you can't find a stockist near you please contact us at info@mastproducts.com.

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Notes