Underwater and decorative LED lighting solutions

Greater energy efficiency, less consumption.

- Save up to 95% in energy.
- Service life of up to 100,000 hours.
- Wide range of LED lighting solutions.
Introduction

SERVICES

Three should be highlighted:
Lighting studies, customised designs and equipment, and our laboratory for developing light testing techniques.

LIGHTING STUDIES

We have a team of fully trained experts able to help you in the design of your project. All key decisions for a well-designed project must be taken prior to the execution phase, as well as to obtain the best performance from the luminaires. Our staff will be able to advise you during this phase and will assist you in selecting the best lighting system and luminaires for your project, as well as helping you to place these luminaires for the best possible illumination.

CUSTOMISED PROJECTS

We have a department of mechanical and electronic design, which enables us to give shape to any project. Thanks to our IT department with CAD/CAE software, we are able to deliver customised products and projects by developing prototypes and pre-production models rapidly that are tested in our laboratory. Our company has the capacity to design, mould and make prototypes and pre-production models before actually manufacturing any type of light fixture or injection-moulded plastic product.

EQUIPMENT AND FACILITIES

Our facilities have the best machines for manufacturing our products, in addition to state-of-the-art laboratory equipment for studying and testing luminaires. We have a GONIOPHOTOMETER for conducting these tests. This enables our lab technicians to obtain photometric data about our products and those of other manufacturers.

This equipment also allows us to conduct 3D simulations of the actual effect of the luminaires to be used in any given project by comparing the results of the different luminaires that could be used for it.

As we have the best equipment and experts in the sector, we are able to deliver a first-class service to our customers.

IDENTIFICATION

Technical symbols: CE marking Class I Class II Class III IP protection rating Seawater-proof
Almost 20% of the power generated in the world is used for lighting. According to studies conducted by the International Energy Agency (IEA), efficient lighting would result in a 10% saving on the world's electricity consumption. It can therefore be said that replacing a conventional light bulb is an environmentally friendly gesture that contributes to the global challenge of saving energy with the ultimate aim of stopping or, at least, delaying climate change.

**LEDs**

- Fluorescent
- Metal Halide
- Halogen
- Incandescent

**SERVICE LIFE OF LumiPlus LEDs**

L70 = 50,000h MAINTAINS 70% OF THE INITIAL LUMINOUS FLUX 50,000 HOURS INTO ITS SERVICE LIFE.
LumiPlus DESIGN PROJECTOR

The innovation and excellence of LumiPlus Design won a Reddot Award 2014, which recognises superior quality in a total of nine aspects that include innovation, functionality, ergonomics, ecology and durability. Available in two finishes, Pure White and Inox Effect, thanks to the use of an innovative technology called in-mould decoration (IMD). Its design blends in perfectly with any pool environment.

Moreover, LumiPlus Design floodlights are set at an angle of 14° to better light up a pool floor and reduce outdoor light pollution. LumiPlus Design projectors have improved luminous efficacy by around 40% in comparison with the main competitors in the market.

To illuminate a pool properly, it is recommended that a lamp from the LumiPlus 2.0 family be installed for every 25 m² of water surface.

Manufactured using IMD technology. Must always be installed submerged in water. Projectors without niche; for full projector assembly, select a niche suited for the pool in question. See p. 27.

Features
- Consumption
  - White: 4 W (50 VA)
  - White: 5 W (55 VA)
- Voltage
  - 12 V AC
- Service life
  - L70 - 50,000h
- Colours
  - 7/12**
- Energy saving* 90%

Connector cable
- 2.5m, H07RN-F 2x1.5 mm²

(*) In comparison with an incandescent PAR56 lamp
(**) Depends on whether the control system is ECO plus/Modulator 27818

LumiPlus RGB TOP
- 41008 LumiPlus remote control
- 27811 LumiPlus modulator

LumiPlus RGB ECO
- 32408 LumiPlus RGB/ECO switch

LumiPlus RGB DMX
- 41338 Software/Astral DMX controller
- 41339 Software/Astral DMX Pro controller

LumiPlus ModBus
- 57414 LumiPlus ModBus
- 57430 LumiPlus ModBus

LumiPlus LED app
- 59133 LumiPlus WiFi access point
- 59132 LumiPlus WiFi access point

(*) Light colours supplied to order

LumiPlus PAR56 2.0 LAMP

A range of LED lighting resulting from the advances made in the LumiPlus range. LumiPlus 20 lamps have light intensities three times greater and better energy efficiency than their predecessors.

Their enhanced luminous flux and optical efficiency will bring out the best of any facility.

If DMX lamps are installed, they must be connected to the DMX modulator (code 41107).

Manufactured using IMD technology. Must always be installed submerged in water.

Features
- Consumption
  - White: 48 W (64 VA)
  - Cool white: 43411 4.320 lm
  - RGB-DMX: 2.544 lm

Connector cable not included. Must always be submerged in water.

Light colour Code Luminous flux
- RGB 43411 2.544 lm
- Cool white 43412 4.320 lm
- RGB-DMX 45637 2.544 lm

(*) In comparison with an incandescent PAR56 lamp
(**) Depends on whether the control system is ECO plus/Modulator 27818

LumiPlus RGB TOP
- 41008 LumiPlus remote control
- 27811 LumiPlus modulator

LumiPlus RGB ECO
- 32408 LumiPlus RGB/ECO switch

LumiPlus RGB DMX
- 41338 Software/Astral DMX controller
- 41339 Software/Astral DMX Pro controller

LumiPlus ModBus
- 57414 LumiPlus ModBus
- 57430 LumiPlus ModBus

LumiPlus LED app
- 59133 LumiPlus WiFi access point
- 59132 LumiPlus WiFi access point

(*) Light colours supplied to order
**Led lighting for residential pools**

**LumiPlus PAR56 2.0 PROJECTOR**

PAR56 2.0 projectors light up pools to the same degree of luminosity as LumiPlus PAR56 2.0 projectors. They also are more energy efficient and emit less light pollution due to their optics, which optimise the amount of light projected and reduce light loss. The projectors in the LumiPlus range can be fastened using standard which optimise the amount of light projected and reduce light loss.

If DMX lamps are installed, they must be connected to the DMX or universal mounts. Niches must be purchased separately.

The projectors in the LumiPlus range can be fastened using standard which optimise the amount of light projected and reduce light loss.

More energy efficient and emit less light pollution due to their optics, LumiPlus PAR56 2.0 projectors light up pools to the same degree of luminosity as incandescent projectors.

**Features**

- **Light colours supplied to order**
- **Energy efficiency**

**Mount**

<table>
<thead>
<tr>
<th>Type</th>
<th>Light colour</th>
<th>Faceplate</th>
<th>Luminous flux</th>
</tr>
</thead>
<tbody>
<tr>
<td>STD</td>
<td>RGB</td>
<td>ABS</td>
<td>45610</td>
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<td>45620</td>
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<tr>
<td></td>
<td>RGB DMX</td>
<td>-</td>
<td>45540</td>
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<tr>
<td>Universal</td>
<td>Cool white</td>
<td>-</td>
<td>53841</td>
</tr>
<tr>
<td></td>
<td>RGB-DMX</td>
<td>-</td>
<td>53843</td>
</tr>
</tbody>
</table>

**Type of pool**

- **Concrete**
- **Prefabricated**
- **Panel**
- **Liner**
- **Pool**

**Light**

- **ABS**
- **Stainless steel**

**Consumption**

<table>
<thead>
<tr>
<th>Light colour</th>
<th>Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>RGB</td>
<td>48 W (64 VA)</td>
</tr>
<tr>
<td>RGB DMX</td>
<td>48 W (64 VA)</td>
</tr>
<tr>
<td>Cool white</td>
<td>2,544 lm</td>
</tr>
<tr>
<td>RGB-DMX</td>
<td>2,544 lm</td>
</tr>
<tr>
<td>Cool white</td>
<td>2,544 lm</td>
</tr>
</tbody>
</table>

**Service life**

- **Concrete**: 70,000 hours
- **Prefabricated**: 50,000 hours
- **Panel**: 50,000 hours
- **Liner**: 50,000 hours
- **Pool**: 50,000 hours

**Service life**

- **Concrete**: 70,000 hours
- **Prefabricated**: 50,000 hours
- **Panel**: 50,000 hours
- **Liner**: 50,000 hours
- **Pool**: 50,000 hours

**Connectors**

- **Connector cable**: 2,5 m. H07RN-F 2x1,5 mm²

**Connector cable**

- **Connector cable**: 2,5 m. H07RN-F 2x1,5 mm²

**Faceplates**

- **ABS**
- **Stainless steel**

**Colour**

- **RGB**
- **Cool white**
- **Warm white**
- **Neutral white**
- **Red**
- **Green**
- **Blue**

**Energy efficiency**

- **42%**

**L70 - 50.000h**

**Service life**

- **Concrete**: 50,000 hours
- **Prefabricated**: 50,000 hours
- **Panel**: 50,000 hours
- **Liner**: 50,000 hours
- **Pool**: 50,000 hours

**Energy efficiency**

- **42%**

**LuminoPlus central systems**

- LumiPlus RGB TOP 41988 LumiPlus remote control 27818 LumiPlus modulator
- LumiPlus RGB ECO 32458 LumiPlus RGB/NC switch

**LumiPlus S-LIM 2.0 PROJECTOR**

The S-Lim projector has small LEDS and a flat front that gives a better light distribution in any kind of pool (concrete, liner, panel, etc.).

If DMX lamps are installed, they must be connected to the DMX modulator (code 41107).

Available with a faceplate in ABS plastic or stainless steel.

It is an ideal luminaire for pools that are up and running, as it is extremely easy to install. As it does not have a niche, no building work is required to install it. It is mounted on a bracket that is screwed to the wall and holds the projector in place.

**Features**

- **Light colours supplied to order**
- **Energy efficiency**

**Mount**

<table>
<thead>
<tr>
<th>Type</th>
<th>Light colour</th>
<th>Faceplate</th>
<th>Luminous flux</th>
</tr>
</thead>
<tbody>
<tr>
<td>STD</td>
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<td>Universal</td>
<td>RGB-DMX</td>
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<td>-</td>
<td>56015</td>
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<td></td>
<td>Cool white</td>
<td>Stainless steel</td>
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</tbody>
</table>

**Type of pool**

- **Concrete**
- **Prefabricated**
- **Panel**
- **Liner**
- **Pool**

**Light**

- **ABS**
- **Stainless steel**

**Consumption**

<table>
<thead>
<tr>
<th>Light colour</th>
<th>Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>RGB</td>
<td>48 W (64 VA)</td>
</tr>
<tr>
<td>RGB-DMX</td>
<td>48 W (64 VA)</td>
</tr>
<tr>
<td>Cool white</td>
<td>2,544 lm</td>
</tr>
<tr>
<td>RGB-DMX</td>
<td>2,544 lm</td>
</tr>
<tr>
<td>Cool white</td>
<td>2,544 lm</td>
</tr>
</tbody>
</table>

**Service life**

- **Concrete**: 70,000 hours
- **Prefabricated**: 50,000 hours
- **Panel**: 50,000 hours
- **Liner**: 50,000 hours
- **Pool**: 50,000 hours

**Energy efficiency**

- **42%**

**L70 - 50.000h**

**Service life**

- **Concrete**: 50,000 hours
- **Prefabricated**: 50,000 hours
- **Panel**: 50,000 hours
- **Liner**: 50,000 hours
- **Pool**: 50,000 hours

**Energy efficiency**

- **42%**

**LuminoPlus central systems**

- LumiPlus RGB TOP 41988 LumiPlus remote control 27818 LumiPlus modulator
- LumiPlus RGB ECO 32458 LumiPlus RGB/NC switch

**LumiPlus RGB TOP**

41988 LumiPlus remote control 27818 LumiPlus modulator

**LumiPlus RGB ECO**

32458 LumiPlus RGB/NC switch

**LumiPlus control systems**

- LumiPlus RGB DMX 41330 Software/Astral DMX Pro controller
- LumiPlus modulator 41107 DMX touch screen
- LumiPlus ModBus 57434 LumiPlus ModBus
- LumiPlus WiFi app 59131 LumiPlus WiFi access point
- LumiPlus Wifi access point 57435 LumiPlus WiFi app
- LumiPlus ModBus 57434 LumiPlus ModBus
- LumiPlus remote control 51297 LumiPlus remote control
- LumiPlus ModBus 57434 LumiPlus ModBus
- LumiPlus remote control 51297 LumiPlus remote control
- LumiPlus WiFi app 59132 LumiPlus WiFi access point
- LumiPlus ModBus 57434 LumiPlus ModBus
- LumiPlus WiFi app 59131 LumiPlus WiFi access point

**www.astralpool.com**
**LumiPlus PAR56 1.11 LAMP**

PAR56 lamps have been developed to obtain maximum power efficiency. Manufactured for use in pools, in which a good and even distribution of light is required.

LED white light lamps are ideal for replacing PAR56 300 W halogen lamps as they save over 90% in power consumption and have a service life of up to 100 times longer than a PAR56 halogen lamp.

If RGB/DMX lamps are installed, they must be connected to the DMX modulator (code 41107).

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**New range of wireless lamps controlled using the LumiPlus Control Motion device.** The LumiPlus Motion Control device directly sends signals to the LumiPlus 1.11 RGB wireless lamps without the need for an external modulator.

The LumiPlus Motion Control device has a motion sensor that enables colours and sequences to be changed through movement.

The changes in colour, sequences and their speed, as well as turning the lamps on and off can be done using the remote control.

---

**Features**

- **Lumens**
  - RGB: 1100 lm
- **Consumption**
  - RGB: 27 W (37 VA)
  - RGB DMX: 27 W (37 VA)
- **Voltage**
  - 12 V AC
- **Service Life**
  - L70: 50,000 hours
- **Colours**
  - 12
- **Energy saving**
  - 91%

(*) In comparison with an incandescent PAR56 lamp

(**) Depends on whether the control system is ECO plus/Modulator 27818

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**Lumiplus control systems**

- LumiPlus RGB TOP 41988 LumiPlus remote control
- 27818 LumiPlus modulator
- LumiPlus RGB ECO 32458 LumiPlus/RGB N/C switch
- LumiPlus RGB DMX 41329 Software/Arduino DMX controller
- 41320 Software/Astral DMX-Pro controller
- 41107 DMX modulator
- 51297 DMX touch screen
- LumiPlus Modbus 37434 LumiPlus Modbus
- 37438 Modulator + LumiPlus Modbus
- LumiPlus LED app 39133 LumiPlus Wi-Fi access point
- 39132 Modulator + LumiPlus Wi-Fi access point

---

**LumiPlus Wireless**

- 59125 LumiPlus Control Motion
- 30635 LumiPlus Range Extender

---

**LumiPlus PAR56 1.11 RGB WIRELESS LAMP**

- Cable not included. must always be installed submerged in water. LumiPlus Motion Control cannot be submerged in water.

---

**Features**

- **Lumens**
  - RGB: 1100 lm
- **Consumption**
  - RGB: 27 W (37 VA)
  - RGB DMX: 27 W (37 VA)
- **Voltage**
  - 12 V AC
- **Service Life**
  - L70: 50,000 hours
- **Colours**
  - 7/12
- **Energy saving**
  - 91%

(*) In comparison with an incandescent PAR56 lamp

---

**LumiPlus control systems**

- LumiPlus Wireless 59125 LumiPlus Control Motion
- 30635 LumiPlus Range Extender
**LumiPlus PAR56 1.11 PROJECTOR**

To illuminate a pool properly, it is recommended to install a LumiPlus PAR56 1.11 every 20 m² of water surface. Note: In pools with dark colours it is recommended to use more projectors per m².

The projectors in the LumiPlus range can be fastened using standard or universal mounts. Niches must be purchased separately.

If DMX lamps are installed, they must be connected to the DMX modulator (code 41107).

This projector can be installed in newly built pools and any type of existing pool (concrete, panel, liner, etc.).

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**LumiPlus control systems**

- **LumiPlus RGB TOP**
  - 41084: LumiPlus remote control
  - 27818: LumiPlus modulator
- **LumiPlus RGB ECO**
  - 32458: LumiPlus RGB/TC switch
- **LumiPlus RGB DMX**
  - 41329: Software/ArtNet DMX controller
  - 41330: Software/ArtNet DMX Pro controller
  - 51297: DMX modulator
  - 31297: DMX touch screen
- **LumiPlus ModBus**
  - 37424: LumiPlus Modbus
  - 37428: Modulator + LumiPlus Modbus
- **LumiPlus LED app**
  - 59131: LumiPlus Wi-Fi access point
  - 59132: Modulator + LumiPlus Wi-Fi access point

---

**Features**

- **Light**
  - RGB
  - B: Blue *
  - G: Green *
  - R: Red *
  - NW: Neutral white *
  - WW: Warm white *
  - W: Cool white

- **Energy efficiency**

---

**Consumption**

- **RGB**: 27 W (37 VA)
- **RGB DMX**: 27 W (37 VA)

**Voltage**

- 12 V AC

**Service life**

- L70 - 50,000h

**Colours**

- RGB: 12*

**Energy saving**

- 95%

**Connector cable**

- 2.5m. H07RN-F 2x1.5 mm²

---

**Mount Light**

- **STD**
  - RGB: 56003 / 56004: 1.100 lm
  - Cool white: 52599 / 52600: 1.485 lm
- **Universal**
  - RGB: 53838: 1.100 lm
  - Cool white: 53839: 1.485 lm
  - RGB DMX: 53842: 1.100 lm

---

**LumiPlus RGB Wireless 1.11 PROJECTOR**

New range of wireless lamps controlled using the LumiPlus Control Motion device. The LumiPlus Motion Control device directly sends signals to the LumiPlus 1.11 RGB wireless lamps without the need for an external modulator.

The LumiPlus Motion Control device has a motion sensor that enables colours and sequences to be changed through movement.

The changes in colour, sequences and their speed, as well as turning the lamps on and off can be done using the remote control.

---

**Features**

- **Light**
  - RGB

- **Energy efficiency**
  - 91%
Led lighting for residential pools

LumiPlus S-LIM 1.11 PROJECTOR

The S-Lim projector has small LEDs and a flat front that gives a better light distribution in a pool. The RGB lamps in this new range reduce power consumption by 40% in comparison with the previous range.

If DMX lamps are installed, they must be connected to the DMX modulator (code 41107).

Available with faceplates in ABS plastic or stainless steel.

<table>
<thead>
<tr>
<th>Type of pool</th>
<th>Light colour</th>
<th>Faceplate</th>
<th>Luminous flux</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>RGB</td>
<td>ABS</td>
<td>1.100 lm</td>
</tr>
<tr>
<td></td>
<td>Cool white</td>
<td>Stainless steel</td>
<td>1.485 lm</td>
</tr>
<tr>
<td></td>
<td>RGB-DMX</td>
<td>ABS</td>
<td>1.100 lm</td>
</tr>
<tr>
<td></td>
<td>Cool white</td>
<td>Stainless steel</td>
<td>1.485 lm</td>
</tr>
<tr>
<td></td>
<td>RGB-DMX</td>
<td>Stainless steel</td>
<td>1.100 lm</td>
</tr>
</tbody>
</table>

RGB LumiPlus control systems:
- LumiPlus RGB TOP 47088
- LumiPlus remote control 27818
- LumiPlus modulator 41322
- LumiPlus RGB ECO 32458
- LumiPlus RGB/N/C switch 51297

RGB-DMX LumiPlus control systems:
- LumiPlus RGB DMX 43350
- Software/Astral DMX controller 41322
- 51297 DMX modules
- LumiPlus ModBus 57429
- LumiPlus ModBus 57430
- LumiPlus ModBus + LumiPlus ModBus
- LumiPlus LED app 59131
- LumiPlus WiFi access point 59132
- LumiPlus WiFi access point 59132

Must always be submerged in water.

LumiPlus S-LIM RGB 1.11 WIRELESS PROJECTOR

New range of wireless lamps controlled using the LumiPlus Control Motion device. The LumiPlus Motion Control device directly sends signals to the LumiPlus 1.11 RGB wireless lamps without the need for an external modulator.

The LumiPlus Motion Control device has a motion sensor that enables colours and sequences to be changed through movement.

The changes in colour, sequences and their speed, as well as turning the lamps on and off can be done using the remote control.

<table>
<thead>
<tr>
<th>Type of pool</th>
<th>Articles Kit</th>
<th>Luminous flux</th>
<th>Faceplate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>61314 1 projector + 1 Control Motion</td>
<td>1.100 lm</td>
<td>ABS</td>
</tr>
<tr>
<td>PreFabricated</td>
<td>61315 2 projectors + 1 Control Motion</td>
<td>1.100 lm</td>
<td>ABS</td>
</tr>
<tr>
<td>Concrete</td>
<td>61316 1 projector + Wireless</td>
<td>1.100 lm</td>
<td>ABS</td>
</tr>
</tbody>
</table>

Features:
- Consumption: RGB 27 W (37 VA)
- Voltage: 12 V AC
- Service life: L70 - 50,000h
- Colours: 12*
- Energy saving*: 71%
- Connector cable: 2.5m, H07RN-F 2x1.5 mm²

(*) In comparison with an extra-slim incandescent projector
(**) Depends on whether the control system is ECO plus/Modulator 27818

LumiPlus control systems:
- LumiPlus Wireless 59125
- LumiPlus Control Motion 46423
- LumiPlus RGB TOP 47088
- LumiPlus remote control 27818
- LumiPlus modulator 41322
- LumiPlus RGB ECO 32458
- LumiPlus RGB/N/C switch 51297
- LumiPlus ModBus 57429
- LumiPlus ModBus 57430
- LumiPlus ModBus + LumiPlus ModBus
- LumiPlus LED app 59131
- LumiPlus WiFi access point 59132
- LumiPlus WiFi access point 59132

Must always be submerged in water.

<table>
<thead>
<tr>
<th>Type of pool</th>
<th>Light colour</th>
<th>Energy efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>RGB</td>
<td>84%</td>
</tr>
<tr>
<td>PreFabricated</td>
<td>RGB</td>
<td>84%</td>
</tr>
</tbody>
</table>

(*) Light colours supplied to order.
Led lighting for residential pools

**LumiPlus 1.11 RAPID PROJECTOR**

To illuminate a pool properly, it is recommended that a spotlight from the LumiPlus Rapid family be installed for every 20 m² of water surface.

**Note:** Strongly recommended for pools in light colours. In pools with a dark or stainless steel finish, it is recommended to use more projectors per m².

LED lighting for concrete pools with polyester lining and panel pools with liner. Suitable for installation in many types of pool.

Easy to install and connect using fast-on terminals. Reliable thanks to the internal seals that prevent any power failures due to a wrongly wired cable and the handling of the internal components.

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**LumiPlus 1.11 RGB WIRELESS PROJECTOR**

To illuminate a pool properly, it is recommended that a spotlight from the LumiPlus Rapid family be installed for every 20 m² of water surface.

**Note:** Strongly recommended for pools in light colours. In pools with a dark or stainless steel finish, it is recommended to use more projectors per m².

LED lighting for concrete pools with polyester lining and panel pools with liner. Suitable for installation in many types of pool.

Must always be submerged in water. Easy to install in most connection nozzles with an inner G 1" 1/2 thread, wall conduits, Ø63 PN-6/10 pipes and niches (53956, 60229).

Features

- **Light colour**
  - Cool white

- **Energy efficiency**
  - **RGB**

- **Energy saving**
  - 95%

- **Connector cable**
  - 2,5m. H07RN-F 2x1 mm²

- Light colour supplied to order

---

**LumiPlus control systems**

- LumiPlus control systems
  - LumiPlus RGB TOP
    - 41988: LumiPlus remote control
    - 27818: LumiPlus modulator
  - LumiPlus RGB ECO
    - 32458: LumiPlus RGB/Eco switch

---

**LumiPlus RGB DMX**

- 41322: Software/Astral DMX controller
- 41323: Software/Astral DMX/IP controller
- 41187: DMX/Modbus
- 51290: DMX touch screen

- LumiPlus Modbus
  - 34797: LumiPlus Modbus
  - 34793: Modulator + LumiPlus Modbus

- LumiPlus LED app
  - 59127: LumiPlus Wi-Fi access point
  - 59132: Modulator + LumiPlus Wi-Fi access point

---

**LumiPlus Wireless**

- 59125: LumiPlus Control Motion
- 64623: LumiPlus Range Extender

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**Features**

- **Consumption**
  - RGB 27 W (37 VA)
  - WIRELESS 27 W (37 VA)

- **Voltage**
  - 12 V AC

- **Service life**
  - L70 - 50.000h

- **Colours**
  - 7/12*

- **Energy saving**
  - 91%

- **Connector cable**
  - 2,5m. H07RN-F 2x1 mm²

(*) In comparison with an incandescent PAR56 lamp

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**LED lighting for residential pools**
Led lighting for residential pools

**LumiPlus MINI 3.13 PROJECTOR**

To illuminate a pool properly, it is recommended that a spotlight from the LumiPlus 3.13 family be installed for every 5 m² of water surface.

**Note:** Strongly recommended for pools in light colours. In pools with a dark or stainless steel finish, it is recommended to use more projectors per m².

New family of **mini** LED projectors with greater light intensity, of higher quality and better energy efficiency.

Their design now makes for a more seamless fit in pools and they are easier to install than the current range. Suitable for installation in wall conduits, connector nozzles, niches and spas.

The LumiPlus Mini 3.13 projects are available in a Pure White or Inox Effect finish and are manufactured using IMD technology.

May be installed both in and out of the water. The RGB projector can be installed with a modulator (code 27818) and control a power load of up to 900 VA. In installations with a DMX controller, a power pack (code 52142) must also be installed.

May be installed both in and out of the water. The RGB projector can be installed with a modulator (code 27818) and control a power load of up to 900 VA. In installations with a DMX controller, a power pack (code 52142) must also be installed.

To illuminate a pool properly, it is recommended that

**LumiPlus MINI 2.11 PROJECTOR**

To illuminate a pool properly, it is recommended that a spotlight from the LumiPlus Mini 2.11 family be installed for every 5 m² of water surface.

**Note:** Strongly recommended for pools in light colours.

In pools with a dark or stainless steel finish, it is recommended to use more projectors per m².

---

**Table: LumiPlus MINI 3.13 PROJECTOR**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Finish</th>
<th>Concrete pools</th>
<th>Liner pools</th>
<th>Spac/Prefabricated pools</th>
<th>Prefabricated pool</th>
<th>Luminous flux</th>
</tr>
</thead>
<tbody>
<tr>
<td>RGB</td>
<td>Face plate</td>
<td>50027 / 50028 / 50034</td>
<td>50027 / 50028</td>
<td>50017 / 50021</td>
<td>50021</td>
<td>186 lm</td>
</tr>
<tr>
<td>IRON EFFECT</td>
<td>50035 / 50036</td>
<td>50027 / 50028 / 50034</td>
<td>50027 / 50028 / 50034</td>
<td>50017 / 50021 / 50022</td>
<td>50021 / 50022</td>
<td>186 lm</td>
</tr>
<tr>
<td>RGB DMX</td>
<td>Face plate</td>
<td>50027 / 50028 / 50034</td>
<td>50027 / 50028 / 50034</td>
<td>50017 / 50021 / 50022</td>
<td>50021 / 50022</td>
<td>315 lm</td>
</tr>
<tr>
<td>COOL white</td>
<td>Face plate</td>
<td>50027 / 50028 / 50034</td>
<td>50027 / 50028 / 50034</td>
<td>50017 / 50021 / 50022</td>
<td>50021 / 50022</td>
<td>315 lm</td>
</tr>
</tbody>
</table>

**Table: LumiPlus MINI 2.11 PROJECTOR**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Finish</th>
<th>Concrete pools</th>
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<tr>
<td>RGB</td>
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<td>50027 / 50028 / 50034</td>
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<tr>
<td>IRON EFFECT</td>
<td>50035 / 50036</td>
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<td>50017 / 50021 / 50022</td>
<td>50021 / 50022</td>
<td>186 lm</td>
</tr>
<tr>
<td>RGB DMX</td>
<td>Face plate</td>
<td>50027 / 50028 / 50034</td>
<td>50027 / 50028 / 50034</td>
<td>50017 / 50021 / 50022</td>
<td>50021 / 50022</td>
<td>315 lm</td>
</tr>
<tr>
<td>COOL white</td>
<td>Face plate</td>
<td>50027 / 50028 / 50034</td>
<td>50027 / 50028 / 50034</td>
<td>50017 / 50021 / 50022</td>
<td>50021 / 50022</td>
<td>315 lm</td>
</tr>
</tbody>
</table>

**Table: Features**

<table>
<thead>
<tr>
<th>Features</th>
<th>Power pack for Mini and Quadraled 41329</th>
<th>LumiPlus RGB TOP 41988</th>
<th>LumiPlus RGB ECO 32458</th>
<th>LumiPlus RGB DMX 41320</th>
<th>LumiPlus ModBus 57434</th>
<th>LumiPlus LED app 58132</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power pack for Mini and Quadraled</td>
<td>41329</td>
<td>41988</td>
<td>32458</td>
<td>41320</td>
<td>57434</td>
<td>58132</td>
</tr>
<tr>
<td>LumiPlus ModBus</td>
<td>57434</td>
<td>57434</td>
<td>57434</td>
<td>57434</td>
<td>57434</td>
<td>57434</td>
</tr>
<tr>
<td>LumiPlus LED app</td>
<td>58132</td>
<td>58132</td>
<td>58132</td>
<td>58132</td>
<td>58132</td>
<td>58132</td>
</tr>
<tr>
<td>LumiPlus RGB TOP</td>
<td>41988</td>
<td>41988</td>
<td>41988</td>
<td>41988</td>
<td>41988</td>
<td>41988</td>
</tr>
<tr>
<td>LumiPlus RGB ECO</td>
<td>32458</td>
<td>32458</td>
<td>32458</td>
<td>32458</td>
<td>32458</td>
<td>32458</td>
</tr>
<tr>
<td>LumiPlus RGB DMX</td>
<td>41320</td>
<td>41320</td>
<td>41320</td>
<td>41320</td>
<td>41320</td>
<td>41320</td>
</tr>
</tbody>
</table>

**Table: Consumption**

<table>
<thead>
<tr>
<th>Consumption</th>
<th>Voltage</th>
<th>Service life</th>
<th>Energy saving</th>
<th>Connector cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 W</td>
<td>12 V</td>
<td>10 - 50.000h</td>
<td>92%</td>
<td>2.5 m. H07RN-F 2x1.5 mm</td>
</tr>
</tbody>
</table>

(*) Light colours supplied to order

(**) Depends on whether the control system is ECO plus/Modulator 27818
Led lighting for residential pools

**LumiPlus MINI 2.11 PROJECTOR WITHOUT NICHE**

To illuminate a pool properly, it is recommended that a spotlight from the LumiPlus 2.11 family be installed for every 5 m² of water surface.

**Note:** Strongly recommended for pools in light colours.

In pools with a dark or stainless steel finish, it is recommended to use more projectors per m².

---

**Light**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Faceplate</th>
<th>Luminous flux</th>
</tr>
</thead>
<tbody>
<tr>
<td>RGB</td>
<td>S2128</td>
<td>186 lm</td>
</tr>
<tr>
<td>RGB-DMX</td>
<td>S2140</td>
<td>186 lm</td>
</tr>
<tr>
<td>Cool white</td>
<td>S2134</td>
<td>315 lm</td>
</tr>
</tbody>
</table>

**Features**

- **Consumption**
  - White: 4 W (6 VA)
  - RGB: 4 W (7 VA)
  - RGB-DMX: 6 W (9 VA)
- **Service life**
  - L70 - 50.000h
- **Energy saving**
  - 92%

(*) In comparison with a Mini incandescent projector
(**) Depends on whether the control system is ECO plus/Modulator 27818

---

**LumiPlus MICRO 2.11 PROJECTOR**

To illuminate a pool properly, it is recommended that a spotlight from the LumiPlus MICRO family be installed for every 5 m² of water surface.

**Note:** Strongly recommended for pools in light colours.

In pools with a dark or stainless steel finish, it is recommended to use more projectors per m².

---

**Light**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Faceplate</th>
<th>Luminous flux</th>
</tr>
</thead>
<tbody>
<tr>
<td>RGB</td>
<td>S2458</td>
<td>186 lm</td>
</tr>
<tr>
<td>RGB-DMX</td>
<td>S2459</td>
<td>186 lm</td>
</tr>
<tr>
<td>Cool white</td>
<td>S2460</td>
<td>315 lm</td>
</tr>
</tbody>
</table>

**Features**

- **Consumption**
  - White: 6 W (9 VA)
  - RGB: 4 W (7 VA)
  - RGB-DMX: 4 W (7 VA)
- **Service life**
  - L70 - 50.000h
- **Energy saving**
  - 92%

(*) In comparison with a Mini incandescent projector
(**) Depends on whether the control system is ECO plus/Modulator 27818

---

**LumiPlus control systems**

- **LumiPlus RGB TOP**
  - 41329 LumiPlus remote control 27818 LumiPlus modulator
- **LumiPlus RGB ECO**
  - 52145 LumiPlus RGB/EHC switch
- **LumiPlus RGB DMX**
  - 41328 Software/Astral DMX controller
  - 52142 Power pack for ECO and Quadrasted projectors
- **LumiPlus ModBus**
  - 57433 Modulator + LumiPlus ModBus
- **LumiPlus LED app**
  - 59132 LumiPlus WiFi access point

(*) Light colours supplied to order
# Control systems

## LUMIPLUS RGB ECO

<table>
<thead>
<tr>
<th>Article</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>32458</td>
<td>LumiPlus RGB N/C switch</td>
</tr>
</tbody>
</table>

The pushbuttons on this device control the colour changes and sequences of LumiPlus projectors. There is a range of 7 colours and 7 colour sequences. Maximum power input of 700 VA. It should be connected to the transformer’s primary winding with an output of 230 VAC.

## LUMIPLUS CONTROL MOTION

<table>
<thead>
<tr>
<th>Article</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>59125</td>
<td>LumiPlus Control Motion</td>
</tr>
</tbody>
</table>

This device is only compatible with LumiPlus wireless projectors. It is able to turn the wireless projectors on and off, change their colours and sequences, and select the speed of the sequences. In addition, it is sensitive to movement so that if the LumiPlus Motion Control is moved vertically the colour can be changed and if moved horizontally the sequence can be changed.

## LUMIPLUS RGB TOP

<table>
<thead>
<tr>
<th>Article</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>27818</td>
<td>Modulator with antenna for LumiPlus RGB projectors</td>
</tr>
<tr>
<td>41988</td>
<td>LumiPlus RGB control</td>
</tr>
</tbody>
</table>

This is able to turn the projectors on and off, change their colours and the speed of the sequences. It has a range of 12 colours and 8 sequences of colour changes. The LumiPlus modulator has an antenna with a range of 50 metres able to receive signals from the LumiPlus remote control (must be purchased separately).

If the LumiPlus modulator is operated using the LumiPlus RGB remote control, it is also possible to set a timer for turning the projectors off.

Maximum power input of 900 VA.

A total of 10 LumiPlus modulators can be synchronised.

## LUMIPLUS MODBUS

<table>
<thead>
<tr>
<th>Modulator</th>
<th>Article</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modbus</td>
<td>57434</td>
<td>LumiPlus Modbus</td>
</tr>
<tr>
<td>57435</td>
<td>Modulator + LumiPlus Modbus</td>
<td></td>
</tr>
</tbody>
</table>

The Modbus protocol enables the control of the LumiPlus modulator. It can be used to switch the projectors on and off, change their colours and the speed of sequences, as well as to set the time for putting the projectors in sleep mode. It has a range of 12 colours and 8 sequences of colour changes. The LumiPlus Modbus should only be installed as an additional feature to the LumiPlus modulator.

## LUMIPLUS WIRELESS RANGE EXTENDER

<table>
<thead>
<tr>
<th>Article</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>64633</td>
<td>LumiPlus Wireless Range Extender</td>
</tr>
</tbody>
</table>

The LumiPlus Wireless Range Extender is a product that has been specially designed to increase the range of the signal from the LumiPlus Wireless system in pools where there is a poor wireless signal due to architectural features or the surroundings, which make it difficult for the signals from the LumiPlus Motion Control to reach the LumiPlus wireless projectors.

## LUMIPLUS LED APP

<table>
<thead>
<tr>
<th>Article</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>59131</td>
<td>LumiPlus Wi-Fi access point</td>
</tr>
<tr>
<td>59132</td>
<td>Modulator + LumiPlus Wi-Fi access point</td>
</tr>
</tbody>
</table>

This app enables the LumiPlus modulator to be operated from a smartphone or tablet. It can be used to switch the projectors on and off, change their colours and the speed of sequences, as well as to set the time for putting the projectors in sleep mode. It has a range of 12 colours and 8 sequences of colour changes. The LumiPlus app should only be installed as an additional feature to the LumiPlus modulator.
Control systems

RGB DMX CONTROL SYSTEMS

The DMX (digital multiplexed) control system is the communications protocol used for controlling our lighting systems. It is able to create light displays for fountains and large water features, whereby spotlights can be lit up individually or in groups.

As a control system for illuminating fountains, it can be operated from a PC or a standalone programmable module. Comprising the Astral DMX (USB-DMX interface) and intuitive software, it enables users to control all of the settings of a projector or a group of projectors. Any colour from a selection of over 16 million colours may be chosen.

The system is an ideal solution for creating displays that almost last forever with spectacular results. There are two systems: the Astral DMX that controls illumination and the Astral DMX Pro, which in addition to controlling lighting is also able to synchronise music, video images and water effects.

LUMIPLUS RGB DMX

<table>
<thead>
<tr>
<th>Article</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>41329</td>
<td>Software/Astral DMX controller</td>
</tr>
<tr>
<td>41330</td>
<td>Astral DMX PRO Controller (enables synchronisation with music)</td>
</tr>
<tr>
<td>52142</td>
<td>Mini power pack and Quadralled RGB-DMX</td>
</tr>
<tr>
<td>41107</td>
<td>DMX Modulator (for all the LumiPlus range and strip projector)</td>
</tr>
<tr>
<td>51297</td>
<td>DMX Touch screen</td>
</tr>
</tbody>
</table>

NICHES FOR PROJECTORS

LumiPlus PAR56

<table>
<thead>
<tr>
<th>Concrete pool</th>
<th>Prefabricated pool</th>
<th>Panel pools</th>
</tr>
</thead>
<tbody>
<tr>
<td>With inserts</td>
<td>00349</td>
<td>00364</td>
</tr>
<tr>
<td>Without inserts</td>
<td>28867</td>
<td>23671</td>
</tr>
<tr>
<td>With inserts</td>
<td>29670</td>
<td></td>
</tr>
</tbody>
</table>

LUMIPLUS DESIGN

Concrete pool | Prefabricated pool | Panel pools |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>With inserts</td>
<td>59813</td>
<td>59814</td>
</tr>
<tr>
<td>Without inserts</td>
<td>59815</td>
<td>59818*</td>
</tr>
</tbody>
</table>

*Compatible with most niches in the market of ø180 to 190 mm (Hugo Lahme, MTS Products, Wibre, etc.); consult your dealer.

LUMIPLUS MINI

<table>
<thead>
<tr>
<th>Concrete pool</th>
<th>Prefabricated pool</th>
<th>Panel pools</th>
<th>Lime pools</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spot-light</td>
<td>06967</td>
<td>53964*</td>
<td>60229*</td>
</tr>
<tr>
<td>Rapid location</td>
<td>00369</td>
<td>49828</td>
<td></td>
</tr>
</tbody>
</table>

*Compatible with LumiPlus Mini 3.13

Niches for rapid coupling MINI projectors for concrete pools; suitable for both LED and halogen bulbs. The bulbs are easy to change as a considerable length of cable can be left at the back of the niche. They can be adjusted to the thickness of the gunite. There is a section of tubing on the front of the projectors that can be cut after a pool has been concreted over and the cable can be wound around a spool on the back of the casing. The niche’s stuffing box assembly can be reached from the tubing on the front of the casing.
**Led lighting for public pools**

**PAR 56 1.11 PROJECTOR IN STAINLESS STEEL**

Range of projectors made entirely of AISI-316 stainless steel with LED bulbs. Supplied with a 2.5 m cable and cable duct with a PG16 thread and PG16 to M25 converter.

Lamp assembly fastened to the niche using screws.

For full projector assembly, the niche must be purchased separately.

- **Features**
  - **Color**
    - RGB, Cool white
  - **Power**
    - 16 W (24 VA)
  - **Voltage**
    - 27 W (37 VA)
  - **Service life**
    - L70 - 50,000h
  - **Energy saving**
    - 95%
  - **Connector cable**
    - 2.5 m, H07RN-F 2x1.5 mm²

**LED lighting characteristics**

<table>
<thead>
<tr>
<th>Color</th>
<th>Light</th>
<th>Luminous flux</th>
</tr>
</thead>
<tbody>
<tr>
<td>RGB</td>
<td>54094</td>
<td>54099</td>
</tr>
<tr>
<td>Cool white</td>
<td>54095</td>
<td>54100</td>
</tr>
<tr>
<td>1,100 lm</td>
<td>1,485 lm</td>
<td></td>
</tr>
</tbody>
</table>

**NICHES FOR STAINLESS STEEL PROJECTORS**

<table>
<thead>
<tr>
<th>Concrete pool</th>
<th>Liner pool</th>
</tr>
</thead>
<tbody>
<tr>
<td>54112</td>
<td>54103</td>
</tr>
</tbody>
</table>

**LumiPlus control systems**

- LumiPlus RGB TOP 41988
- LumiPlus RGB DMX 41332
- LumiPlus RGB ECO 32458
- LumiPlus ModBus
- LumiPlus LED app

---

**Led lighting for public pools**

**PAR 56 2.0 PROJECTOR IN STAINLESS STEEL**

Range of projectors made entirely of AISI-316 stainless steel with LED bulbs. Supplied with a 2.5 m cable and cable duct with a PG16 thread and PG16 to M25 converter.

Lamp assembly fastened to the niche using screws.

For full projector assembly, the niche must be purchased separately.

- **Features**
  - **Color**
    - RGB, Cool white
  - **Power**
    - 58 W (60 VA)
  - **Voltage**
    - 27 W (37 VA)
  - **Service life**
    - L70 - 50,000h
  - **Energy saving**
    - 84%
  - **Connector cable**
    - 2.5 m, H07RN-F 2x1.5 mm²

**LED lighting characteristics**

<table>
<thead>
<tr>
<th>Color</th>
<th>Light</th>
<th>Luminous flux</th>
</tr>
</thead>
<tbody>
<tr>
<td>RGB</td>
<td>54092</td>
<td>54097</td>
</tr>
<tr>
<td>Cool white</td>
<td>54093</td>
<td>54098</td>
</tr>
<tr>
<td>2,544 lm</td>
<td>4,320 lm</td>
<td></td>
</tr>
</tbody>
</table>

**NICHES FOR STAINLESS STEEL PROJECTORS**

<table>
<thead>
<tr>
<th>Concrete pool</th>
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</thead>
<tbody>
<tr>
<td>54112</td>
<td>54103</td>
</tr>
</tbody>
</table>

**LumiPlus control systems**

- LumiPlus RGB TOP 41988
- LumiPlus RGB DMX 41332
- LumiPlus RGB ECO 32458
- LumiPlus ModBus
- LumiPlus LED app
### QUADRALED 2.11 PROJECTOR

Producers designed to be used in fountains, cascades and water features, as well as for illuminating other outdoor features such as monuments, trees, gardens, patios and murals.

Available with 1, 2, 3 and 4 spotlights. Made of aluminum and coated in rustproof paint. Projectors per m².

#### Features
- **Consumption**
  - RGB: 4 W (6 VA)
  - RGB DMX: 4 W (4 VA)

- **Voltage** 12V AC

- **Service life** L70 - 50,000h

- **Colours** 7/12*

- **Energy saving** 92%

- **Connector cable** 2,5m. H07RN-F 2x1,5 mm²

(* In comparison with a Mini incandescent projector

(**) Depends on whether the control system is ECO plus/Modulator 27818

#### LumiPlus control systems

- **LumiPlus RGB TOP**
  - 41988 LumiPlus remote control
  - 27918 LumiPlus Modulator

- **LumiPlus RGB ECO**
  - 32460 LumiPlus RGB-ECO switch

- **LumiPlus RGB DMX**
  - 41329 Software/Astral DMX controller
  - 41330 Software/Astral DMX Pro controller
  - 41107 DMX Modulator
  - 51297 DMX touch screen

- **LumiPlus ModBus**
  - 27428 LumiPlus Modbus
  - 27429 Modulator + LumiPlus Modbus

- **LumiPlus LED app**
  - 28123 LumiPlus Wifi access point
  - 28132 Modulator + LumiPlus Wifi access point

(*) Light colours supplied to order

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### STRIP PROJECTORS

The IP68 rated strip projectors are ideal for lighting up architectural and water features.

They have high intensity LEDs and elliptical lenses that make them extremely powerful sources of bright light. The projectors have been specially designed to completely bathe the feature to be illuminated in light as they bring out the full potential of the LEDs and the lenses used.

#### Features
- **Voltage** 12V AC

- **Service life** L70 - 50,000h

- **Colours** 7/12**

- **Connector cable** 2,5m. H07RN-F 2x1,5 mm²

(**) Depends on whether the control system is ECO plus/Modulator 27818

#### LumiPlus control systems

- **LumiPlus RGB TOP**
  - 41988 LumiPlus remote control
  - 27918 LumiPlus Modulator

- **LumiPlus RGB ECO**
  - 32458 LumiPlus RGB N/C switch

- **LumiPlus RGB DMX**
  - 41329 Software/Astral DMX controller
  - 41330 Software/Astral DMX Pro controller
  - 41107 DMX Modulator
  - 51297 DMX touch screen

- **LumiPlus ModBus**
  - 57434 LumiPlus ModBus
  - 57435 Modulator + LumiPlus ModBus

- **LumiPlus LED app**
  - 59131 LumiPlus Wifi access point

(*) Light colours supplied to order

---

### Decorative lighting

May be installed both in and out of the water. The RGB projector can be installed with a modulator (code 27818) and control a power load of up to 900 VA. In installations with a DMX controller, a QUADRALED RGB-DMX DMX power pack (code 52142) must also be installed (up to 9 projectors). Screws and wall plugs supplied.

### Decorative lighting

May be installed both in and out of the water. This product is not intended for pools, but rather for fountains, cascades and water features. Screws and wall plugs supplied if DMX projectors are installed, they must be connected to the DMX modulator (code 41107). Screws and wall plugs supplied.
**Decorative lighting**

**BRICK LIGHT SERIES PROJECTORS**

The Walk series is made up of a wide range of LED luminaires that are ideal for signposting and lighting up footpaths, parks and built-up areas.

**Series made up of:** Square 110 x 110 mm luminaires and round ones 105 mm in diameter.

<table>
<thead>
<tr>
<th>Light colour</th>
<th>Luminous flux</th>
</tr>
</thead>
<tbody>
<tr>
<td>RGB</td>
<td>50 lm</td>
</tr>
<tr>
<td>White</td>
<td>100 lm</td>
</tr>
</tbody>
</table>

The projector has a zinc plated steel niche to make installation easier.

**Light colour**

- **RGB**: Red *, Green *, Blue *
- **NW**: Neutral white *
- **WW**: Warm white *
- **W**: Cool white

(*) Light colours supplied to order

**Features**

<table>
<thead>
<tr>
<th>Consumption</th>
<th>Voltage</th>
<th>Service life</th>
<th>Colours</th>
<th>Connector cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>White (5 W)</td>
<td>12 V AC</td>
<td>L70 - 50.000h</td>
<td>7/12*</td>
<td>2.5m. H07RN-F 2x1,5 mm</td>
</tr>
<tr>
<td>RGB (5 W)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 W (9 VA)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(*) Depends on whether the control system is ECO plus/Modulator 27818

<table>
<thead>
<tr>
<th>Light colour</th>
<th>Code</th>
<th>Luminous flux</th>
</tr>
</thead>
<tbody>
<tr>
<td>RGB</td>
<td>5006</td>
<td>1.100 lm</td>
</tr>
<tr>
<td>Cool white</td>
<td>52607</td>
<td>1.465 lm</td>
</tr>
<tr>
<td>RGB-DMX</td>
<td>56009</td>
<td>1.100 lm</td>
</tr>
</tbody>
</table>

**STANDARD LumiPlus 1.11 PROJECTOR FOR FOUNTAINS**

This adjustable projector has been specially designed for installation in fountains and decorative water features.

Thanks to its three revolving axes, it can be turned in any direction.

It is supplied with screws and wall plugs.

A spotlight from the LumiPlus 1.1 family should be installed for every 20 m².

**Light colour**

- **RGB**: Red *, Green *, Blue *
- **NW**: Neutral white *
- **WW**: Warm white *
- **W**: Cool white

(*) Light colours supplied to order

**Features**

<table>
<thead>
<tr>
<th>Consumption</th>
<th>Voltage</th>
<th>Service life</th>
<th>Colours</th>
<th>Energy saving*</th>
</tr>
</thead>
<tbody>
<tr>
<td>White (27 W)</td>
<td>12 V AC</td>
<td>L70 - 50.000h</td>
<td>7/12**</td>
<td>65%</td>
</tr>
<tr>
<td>RGB (27 W)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RGB Dmx</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>27 W (37 VA)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
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<tr>
<td>Cool white</td>
<td>52607</td>
<td>1.465 lm</td>
</tr>
<tr>
<td>RGB-DMX</td>
<td>56009</td>
<td>1.100 lm</td>
</tr>
</tbody>
</table>

**Must always be submerged in water.**

<table>
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<tr>
<th>Light colour</th>
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<th>Luminous flux</th>
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<tbody>
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<td>RGB-DMX</td>
<td>56009</td>
<td>1.100 lm</td>
</tr>
</tbody>
</table>

**LumiPlus control systems**

| LumiPlus TOP | Code | LumiPlus RGB TOP 41088 LumiPlus remote control 27818 LumiPlus Modulator |
|--------------|------|---------------|---------------|
| LumiPlus RGB DMX | 41329 | Software/Astral DMX controller |
| LumiPlus ModBus | 57468 | LumiPlus ModBus |
| LumiPlus LED app | 59137 | LumiPlus LED app access point |
| LumiPlus Wi-Fi | 59133 | LumiPlus Wi-Fi access point |
| LumiPlus LED app | 59132 | LumiPlus LED app access point |

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| LumiPlus LED app | 59132 | LumiPlus LED app access point |
Decorative lighting

STANDARD LumiPlus 2.0 PROJECTOR FOR FOUNTAINS

The adjustable projector has been specially designed for installation in fountains and decorative water features.

Thanks to its three revolving axes, it can be turned in any direction.

It is supplied with screws and wall plugs.

A spotlight from the LumiPlus 2.0 family should be installed for every 25 m².

**Light colour** | **Code** | **Luminous flux**
---|---|---
RGB | 45635 | 2,544 lm
Cool white | 45636 | 4,120 lm
RGB DMX | 45648 | 2,544 lm

**Features**

- White / RGB • IPX8 •
- Must always be submerged in water

**Light colour** | **Energy efficiency**
---|---
RGB | 84%
Red * | 
Green * | 
Blue * | 
Neutral white * |
Warm white * | 
Cool white | 

(*) Light colours supplied to order

**Connector cable**

2,5m. H07RN-F 2x1,5 mm²

(*) In comparison with an incandescent PAR56 lamp

(**) Depends on whether the control system is ECO plus/Modulator 27818

**Connector cable**

2,5m. H07RN-F 2x1,5 mm²

(**) Depends on whether the control system is ECO plus/Modulator 27818

LumiPlus design systems:

- LumiPlus RGB TOP 41088
- LumiPlus remote control 27818
- LumiPlus Modulator

LumiPlus RGB ECO 32458

LumiPlus RGB DMX 41328

LumiPlus RGB N/C switch 59131

LumiPlus Wi-Fi access point 59132

LumiPlus RGB DMX 41328

Software/Astral DMX controller 41329

LumiPlus RGB N/C switch 59131

LumiPlus Modbus 27424

LumiPlus Modbus 27423

Modulator + LumiPlus Modbus

LumiPlus LED app 59132

LumiPlus Wi-Fi access point 59132

Modulator + LumiPlus Wi-Fi access point

**PHOTOMETRIC MEASUREMENT GUIDE**

**LumiPlus Design**

**White**

<table>
<thead>
<tr>
<th>Beam of Light</th>
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<th>Beam of Light</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>White</td>
<td>White</td>
</tr>
<tr>
<td>48 W (60 VA)</td>
<td>48 W (64 VA)</td>
<td>48 W (64 VA)</td>
</tr>
<tr>
<td>12 V AC</td>
<td>12 V AC</td>
<td>12 V AC</td>
</tr>
<tr>
<td>L70 - 50,000h</td>
<td>L70 - 50,000h</td>
<td>L70 - 50,000h</td>
</tr>
<tr>
<td>7/12**</td>
<td>7/12**</td>
<td>7/12**</td>
</tr>
</tbody>
</table>

**Light colour** | **Energy saving**
---|---
RGB | 84%

(**) Depends on whether the control system is ECO plus/Modulator 27818

**LumiPlus Micro 2.11**

**White**

<table>
<thead>
<tr>
<th>Beam of Light</th>
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</tr>
</thead>
<tbody>
<tr>
<td>White</td>
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</tr>
<tr>
<td>7/12**</td>
<td>7/12**</td>
<td>7/12**</td>
</tr>
</tbody>
</table>

**Light colour** | **Energy saving**
---|---
RGB | 84%

(Continued on next page...)

Data: 27818
Photometric measurements

**LumiPlus Mini 2.11**

<table>
<thead>
<tr>
<th>Color</th>
<th>Beam of Light</th>
<th>RGB-DMX</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td><img src="image1" alt="White Beam" /></td>
<td><img src="image2" alt="White Beam" /></td>
</tr>
<tr>
<td>RGB</td>
<td><img src="image3" alt="RGB Beam" /></td>
<td><img src="image4" alt="RGB Beam" /></td>
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<tr>
<td>RGB-DMX</td>
<td><img src="image5" alt="RGB-DMX Beam" /></td>
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</tbody>
</table>

**LumiPlus Mini 3.13**

<table>
<thead>
<tr>
<th>Color</th>
<th>Beam of Light</th>
<th>RGB-DMX</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td><img src="image7" alt="White Beam" /></td>
<td><img src="image8" alt="White Beam" /></td>
</tr>
<tr>
<td>RGB</td>
<td><img src="image9" alt="RGB Beam" /></td>
<td><img src="image10" alt="RGB Beam" /></td>
</tr>
<tr>
<td>RGB-DMX</td>
<td><img src="image11" alt="RGB-DMX Beam" /></td>
<td><img src="image12" alt="RGB-DMX Beam" /></td>
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</table>

**LumiPlus Rapid**

<table>
<thead>
<tr>
<th>Color</th>
<th>Beam of Light</th>
<th>RGB-DMX</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td><img src="image13" alt="White Beam" /></td>
<td><img src="image14" alt="White Beam" /></td>
</tr>
<tr>
<td>RGB</td>
<td><img src="image15" alt="RGB Beam" /></td>
<td><img src="image16" alt="RGB Beam" /></td>
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<tr>
<td>RGB-DMX</td>
<td><img src="image17" alt="RGB-DMX Beam" /></td>
<td><img src="image18" alt="RGB-DMX Beam" /></td>
</tr>
</tbody>
</table>

**LumiPlus S-LIM 1.11**

<table>
<thead>
<tr>
<th>Color</th>
<th>Beam of Light</th>
<th>RGB-DMX</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td><img src="image19" alt="White Beam" /></td>
<td><img src="image20" alt="White Beam" /></td>
</tr>
<tr>
<td>RGB</td>
<td><img src="image21" alt="RGB Beam" /></td>
<td><img src="image22" alt="RGB Beam" /></td>
</tr>
<tr>
<td>RGB-DMX</td>
<td><img src="image23" alt="RGB-DMX Beam" /></td>
<td><img src="image24" alt="RGB-DMX Beam" /></td>
</tr>
</tbody>
</table>

**LumiPlus S-LIM 2.11**

<table>
<thead>
<tr>
<th>Color</th>
<th>Beam of Light</th>
<th>RGB-DMX</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td><img src="image25" alt="White Beam" /></td>
<td><img src="image26" alt="White Beam" /></td>
</tr>
<tr>
<td>RGB</td>
<td><img src="image27" alt="RGB Beam" /></td>
<td><img src="image28" alt="RGB Beam" /></td>
</tr>
<tr>
<td>RGB-DMX</td>
<td><img src="image29" alt="RGB-DMX Beam" /></td>
<td><img src="image30" alt="RGB-DMX Beam" /></td>
</tr>
</tbody>
</table>

Photometric measurements