LED spotlights and downlights.
Lighting at its best.
LEDs - The highlight of the future.

LEDs revolutionise. LEDs open up new possibilities. LEDs raise questions. Only understanding, experience, skill and foresight can guarantee that the opportunities this innovation presents can be used purposefully.

Regent’s aim is to fully exploit the potential of LEDs in every downlight and spotlight. We are accelerating our inhouse LED development and are always on the lookout for new materials, forms and technologies. This enables us to exploit the advantages of LEDs in every single luminaire for your benefit.
Illuminate every display to maximum effect. An effect that is all the more appealing in daylight quality. With the innovative LED spotlights from Regent, this Utopia becomes a reality. It is finally possible to bathe goods in their true light. Because the highly efficient LED technology PAL+ with its complete colour rendering, generates truly white light (CRI 94). UV and IR neutral, without goods damaging radiation.

Bright spots for your sales area.
The LED spotlights by Regent.

Poco Spot LED passive.
The spot with the crown. No wearing parts, low-maintenance and highly efficient.

Poco Spot LED active.
The high performance spotlight for food and retail with integrated active ventilation.

Poco System EFT LED
For in-built or suspension mounting in various settings, no tools required.

InMax LED
The successful Regent spotlight series - now in an LED version.
The use of LEDs as a light source is ideal for downlights. After all, LEDs are already directional light sources. Thus light control, for example, by an accurate reflector technology, is easier. This also increases energy efficiency. One could almost say that the use of LEDs in Downlights by Regent is a dream partnership.

LEDs find the perfect partner.
In the downlights from Regent.

Poco System EFT.
The mounting system that integrates rotation and swivelling possibilities.

Poco Downlighter LED.
Proven Poco power from the ceiling, fully pivoting and swivelling.

Oxxo LED.
With a hefty 75 lumen/watt, this is the power package among downlights.

Minimo LED.
Compact dimensions with direct connection to the 230 V mains.
LED – Technology.

Status of development. Alongside the traditional light sources, the relatively modern LED is relentlessly on the rise.

The enormous speed of development is creating some new challenges for the lighting industry. Development duration and life-cycle must be examined critically.

From the colourful coffee machine display to workplace lighting: For some years now the lighting industry has been significantly affected by restructuring, and the reason for this is the LED! The transformation from blue to white light by means of a phosphorus filter opens up a whole new world of lighting to the LED.

The first tentative steps in this direction came to naught due to excessively high expectations on the part of the user and overly ambitious promises made by manufacturers. The burgeoning technology also had to cope with initial susceptibility to error. The electronics market, triggered by quantities and with high introductory prices, also played its part in ensuring that the launch into this brave, new – and more efficient – world was not a successful one.

In the meantime, the industry has got to grips with the matter and is offering ever improved quality at ever better prices. The LED is being integrated as far as possible into ever more areas of lighting technology. Reasons for this are not hard to come by: Along with a high level of efficiency and an unprecedented potential for expansion, the electronic component offers the utmost in resilience and durability. Integration in existing lighting concepts is progressing ever more rapidly. The luminaires in the Regent range that use LEDs as the lighting component are enjoying ever greater popularity and are proving to be bang on trend.
Four aces for your light.
The spotlights and downlights in the Poco family.

- passive cooling without active ventilators
- guaranteed noiseless

- maximum LED lighting package
- integrated high performance ventilator

- HiFi light
- best colour rendering
- variable colour temperature

- fully pivotable and adjustable
- bracket plus in-ceiling mounting element

- PAL+ quality from the ceiling
- optimally pivots and swivels (bracket)
- settings selection by push buttons

- now with fixed white LEDs
- with precise, rotation symmetrical reflectors
- compact, fully wired unit

- best light quality even without busbar
- lighting colours suitable for meat, fish, cheese and bakery displays
- pivots and swivels
Cooler lights mean greater efficiency.
Poco Spot LED with passive or active cooling.

*Stay lovely and cool* – a motto that can also apply to the Poco Spot LED. LED (Light Emitting Diode) transform around three quarters of the energy they use into heat, which wouldn’t be a problem if the electronic components did not react very sensitively to temperature rise. So cooling plays an important role when it comes to the construction of LED luminaires. Intelligent thermo management is the answer: Passive or active.
The luminaire with the crown.
Poco Spot LED with passive cooling.

How does an LED luminaire get rid of its heat? A question our engineers work long and hard to answer. Poco Spot LED offers – depending on performance requirements – active and passive cooling. For the spotlight with passive cooling, a crown is placed around the LED module. The cooler surrounding air passes through its prongs and the heat exchange takes place. We call this integrated thermo-management.

- Spotlight with LED (Light Emitting Diode)
- LED warm white 3000K or neutral white 4000K with Ra >80
- Aluminium die cast housing, powder coated silver or white
- Passive cooling
- Encased mirror aluminium reflector
- 3 beam spreads Spot 2 x 10°, Medium 2x15°, Flood 2x20°
- 360° horizontal adjustment, extended vertical tilt up to: 25°
- 2650 lumens of utilised flux
- Integral HF electronic control gear
- Adaptor for single or three circuit track

63 lm/W

960°C
### Spotlight LED, silver and white

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<thead>
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</tr>
</thead>
<tbody>
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</tr>
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</table>

42W dimm. reg. DALI

for mounting on a
Global Trac Control Plus

**M silver resp. W white**

**S Spot, M Medium, F Flood**
It lies in the nature of the object: The higher the LED performance, the greater the cooling surface needs to be. Logical: yes. Possible: no. Because the Poco Spot LED has limits in terms of size and design. The solution is simple yet effective: You apply a built in ventilator. This supports the existing cooling body and dissipates more heat. An essential element that makes a high light flux possible even within the compact dimensions of the Poco Spot LED.

- Spotlight with LED (Light Emitting Diode)
- LED warm white 3000K or neutral white 4000K with CRI >80
- Aluminium die cast housing, powder coated silver or white
- Integrated active cooling
- Encased mirror aluminium reflector
- 3 beam spreads Spot 2 x 10°, Medium 2x15°, Flood 2x20°
- 360° horizontal adjustment, extended vertical tilt up to: 25°
- Almost replaces a 70W HIT, 3500 lumen
- Integral HF electronic control gear
- Adaptor for single or three circuit track

The luminaire with a ventilator.
Poco Spot LED with active cooling.
Poco Spot LED active.

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<tr>
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<tr>
<td>55W Flood 2x20°</td>
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</table>

Spotlight LED, silver and white
Light sells.

Poco Spot LED with PAL+ technology.

Make use of the appealing power of light to win over customers. With PAL+ technology you can present your products in sunlight, without subjecting them to high temperatures. With the high quality of PAL+ LED, PAL+ achieves excellent colour rendering of 94. This means: sunlight quality in the showroom, in the display window and on the shelves. Entirely free of “harmful” UV and IR radiation. So meat, fish, bread and textiles always appear under optimum light. In true colour, undistorted and without spoiling.

- Spotlight with PAL+ LED-technology
- Aluminium die cast housing, powder coated silver or white
- Integral HF electronic control gear
- Integrated active cooling
- Encased mirrored aluminium reflector
- 2 beam spreads Medium 2x15°, Flood 2x20°
  - 360° horizontal adjustment, extended vertical tilt up to: 25°
- 2100 lumens of utilised flux
- Integral HF electronic control gear
- Adaptor for three circuit track
- Colour rendering index CRI up to 94
- No UV or IR radiation
- Application related light setting adjustment via integral push buttons covering 4 settings:

  **PAL**
  - Variable colour temperature:
    - 2500K; 2700K; 3000K; 3500K; 4000K; 4500K; 5000K; 5700K and 6500K

  **FOOD**
  - Predefined food settings:
    - for meat – cheese – fish – bakery products

  **COLOUR**
  - Predefined Colour settings:
    - in light green – blue – red – magenta

  **DIM**
  - Dimming of lighting selected from PAL, FOOD or COLOUR settings:
    - 100%; 10%; 20%; 30%; 40%; 50%; 60%; 70%; 80%; 90%
Poco Spot PAL+.

<table>
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<tr>
<td>38W</td>
<td>Medium 2x15°</td>
</tr>
<tr>
<td>38W</td>
<td>Flood 2x20°</td>
</tr>
</tbody>
</table>

*for mounting on a Global Trac Control Plus

### 38W 66V3.M307E.01
- DMX controlled

### 38W 66V3.F307E.01*
- DMX controlled

*for mounting on a Global Trac Control Plus
Lighting means staging. InMax now with LEDs.

Play with light and entertain the eyes - InMax turns shopping into retail entertainment. Regent has now supplemented its successful spotlight series with an LED spot. With just 25 watts, the luminaire produces the light output of a 75-watt halogen bulb version. The additional option of a colder light colour of 4000K opens up more possibilities for use of the InMax LED in numerous applications. So it’s not just the room and the products that look better. The visitors also feel welcome - and this improves success and sales volume.

- Spotlight with LED (Light Emitting Diode)
- LED warm white 3000K or neutral white 4000K with CRI >80
- Aluminium die-cast control gear box, thermo painted black
- Aluminium die-cast reflector housing, thermo painted metallic silver
- Passive cooling
- Encased aluminium reflector, silver anodised
- 3 beam spreads Spot 2 x 10°, Medium 2x15°, Flood 2x20°
- Full 360° horizontal adjustment, extended vertical tilt up to: 17°
- Concealed wiring in adjustment arm
- Integral HF electronic control gear
- Adaptor for single or three circuit track
InMax LED.

<table>
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<th>3-adaptor</th>
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<td>685H1M12JA</td>
</tr>
<tr>
<td>25W Flood 2x20°</td>
<td>685H0F12DA</td>
<td>685H1F12JA</td>
</tr>
</tbody>
</table>

Pays 25W
LL 1000lm
TCP 3000K/4000K
CRI ≥85
L70 50'000h

Spot 2x10°
Medium 2x15°
Flood 2x20°
Downlights. The radiant verticals.

Downlights – as the name suggests – radiate a cone of light downwards. They are usually recessed in ceilings and light up the floor or the walls. In entrance areas, corridors and arcades downlights are particularly appropriate. As inconspicuous architectural details they serve the purpose of general lighting, thus establishing the lighting foundation of a space.

The age of LEDs has caught up with downlights, too. The reasons for this are obvious. Thanks to their tremendously long lifespan and the low maintenance associated with this, LED downlights represent the ideal solution for hard to reach places. Another advantage is that downlights by Regent are predominantly passively cooled. This requires no additional energy and frees up the luminaires from excess wearing parts. In a nutshell: anyone looking for efficiency should pair downlights with LEDs.

Downlights with LED.
The ideal pairing for greater efficiency.
A downlight with the strength of a spotlight. Poco Downlight LED.

Is it a downlight? Is it a spotlight? No, it’s Poco Downlighter LED. Poco Downlighter a LED combines the discretion of a downlight with the flexibility of a spot. When built into the suspended ceiling, a patented joint permits a swivelling motion otherwise unique to spotlights. A lighting bundle that meets every requirement.

- Recessed directional spotlight with 1 or 2 LED (Light Emitting Diodes)
- LED warm white 3000K or neutral white 4000K with CRI >80
- Recessed housing, internal thermo painted black
- Luminaire with or without silver ceiling trim
- Reflector housing in die-cast aluminium, thermo painted black
- Integrated active cooling
- Encased reflector in pure aluminium, high-gloss silver
- 3 beam spreads Spot 2 x 10°, Medium 2x15°, Flood 2x20°
- 360° horizontal adjustment, vertical tilt up to: 60°
- Utilised flux up to 2650 lumens
- Integral HF electronic control gear
Your best sales tool – light. Thanks to Poco PAL+ technology.

Food products on sale not only need to look fresh for longer, but they also need to stay fresh. Regent has developed the Poco PAL+ system for this very purpose.

With its daylight imitating colour spectrum, Poco PAL+ guarantees seamless colour recognition. The true-white LEDs use supply light that is UV and heat (IR) free. This means: there is no heating or physical chemical change to the lit goods. This way food will stay fresh and textiles, do not bleach.

Even protective elements such as UV blockers or food filters – which actually absorb desirable white light – are no longer necessary. This optimises costs, boosts sales and ensures a sunny atmosphere among customers and staff.

WHAT’S NEW AT A GLANCE

- True-white light source CRI up to 94!
- Adjustable light colour (2500K to 6500K)
- 385° pivot, 60° swivel
- Universal mounting for ceiling strengths of 1-20mm
- Functional luminous flux of 1500 lumen
- Ideal light distribution with average 2 x 20°
Poco Downlighter PAL+.

### Specification: 2500-6500K

<table>
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<tr>
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<th>Type</th>
<th>Beam Angle</th>
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<td>1x38W</td>
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<td>1x38W</td>
<td>Flood</td>
<td>2x20°</td>
<td>G53H5F030DA.01</td>
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<tr>
<td>2x38W</td>
<td>Flood</td>
<td>2x20°</td>
<td>G53H5F030DAA.01</td>
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</tbody>
</table>

Dimming and colour temperature adjustable by push buttons.

Poco Downlighter LED.

### Specification: 3000K-4000K

<table>
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<td>Flood</td>
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<td>2x45W</td>
<td>Flood</td>
<td>2x20°</td>
<td>G53H5F030DAA.01</td>
</tr>
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</table>

Dimming and colour temperature adjustable by push buttons.

for DALI dimmable luminaires substitute the A in the ref. nr. with a C

Ordering example: 1x45W, Spot 2x10°, G53H5S030DA.01 → G53H5S030DCA.01
It sounds contradictory, but it is possible. With Poco EFT, Regent has developed a system that not only holds the lighting unit in place reliably, but also offers the greatest possible freedom of movement. Poco System EFT makes easy work out of not just pivoting and swivelling the spotlights, but also replacing them. Since the only tool needed is a pair of hands.

From the single built-in ring to the built-in two-part combination to the hanging four-part combo: all elements are fitted with the same spot fitting. The choice of appropriate light sources is therefore up to the user. Be it LED, high-performance or halogen bulbs: every combination is possible.

EFT – Eco Fix Technology

Eco 1 stands for economical. Because with EFT the downlight can be fixed, pivoted and swivelled by hand. And the exhibited product is perfectly lit in an instant. Entirely without tools, with virtually no effort.

Eco 2 stands for ecological. All mechanical parts are made using minimum quantities of plastic and metal. And what’s more, they are recyclable.

Fix 1 stands for fixing. The same spring mechanism that keeps the downlight in the ceiling opening also permits it to pivot, swivel and direct.

Fix 2 now also applies in fixed white! The same head, the modern LED technology, with precision reflectors!
Poco System EFT with PAL+ and LED

**PAL**
Variable colour temperature:
2500K; 2700K; 3000K; 3500K; 4000K; 4500K; 5000K; 5700K and 6500K

**FOOD**
Predefined food settings:
for meat – cheese – fish – bakery products

**COLOUR**
Predefined Colour settings:
in light green – blue – red – magenta

**DIM**
Dimming of lighting selected from PAL, FOOD or COLOUR settings:
100%; 10%; 20%; 30%; 40%; 50%; 60%; 70%; 80%; 90%

---

### Recessed directional spotlight LED, white

- **Lumen set to be ordered separately:**
  - 3000K: 3000 lm
  - 4000K: 4000 lm

<table>
<thead>
<tr>
<th>Watt</th>
<th>Beam Angle</th>
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<tr>
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<tr>
<td>28W</td>
<td>2x20°</td>
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</tr>
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for DALI dimmable luminaires substitute the A in the ref nr. with a C

Ordering example: 1x28W, Spot 2x10°, 61W.S22DA.00 ➔ 61W.S22DA.C00

### Recessed directional spotlight PAL+, black

- **Lumen set to be ordered separately:**
  - 2500-6500K: 2900-5500 lm

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Dimming and colour temperature adjustable by external means

### Recessed directional spotlight PAL+, white

- **Lumen set to be ordered separately:**
  - 2500-6500K: 2900-5500 lm

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<td>Flood 2x20°</td>
<td>61W.M157I.03</td>
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Dimming and colour temperature adjustable by external means

---

- **Electronic control gear:**
  - 220-240 / 48V to be ordered separately

- **BGLED.TC.03**
  - 50W for 1 x recessed directional spotlight

- **BGLED.TC.04**
  - 70W for 2 x recessed directional spotlights

- **BGLED.TC.05**
  - 70W for 2 x recessed directional spotlights

---

**Variable colour temperature:**
2500K; 2700K; 3000K; 3500K; 4000K; 4500K; 5000K; 5700K and 6500K

**Predefined food settings:**
for meat – cheese – fish – bakery products

**Predefined Colour settings:**
in light green – blue – red – magenta

**Dimming of lighting selected from PAL, FOOD or COLOUR settings:**
100%; 10%; 20%; 30%; 40%; 50%; 60%; 70%; 80%; 90%

**Electronic control gear:**
220-240 / 48V to be ordered separately

**BGLED.TC.03**
- 50W for 1 x recessed directional spotlight

**BGLED.TC.04**
- 70W for 2 x recessed directional spotlights

**BGLED.TC.05**
- 70W for 2 x recessed directional spotlights
**Poco System EFT. System components.**

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<th>Frame set, for pendant mounting, white</th>
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**Specification**

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<th>63RAMSET.52W</th>
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Wire cord suspension included
LEDs find a champion.
With Oxxo LED.

Downlights are not just used to provide basic lighting. Sometimes primary unit quality is required. If a powerful light package is what’s needed, Oxxo LED does the job. With a system efficiency of a possibly record-breaking 75 lumen/watt, Oxxo LED is able to flood a room with light and prevent any glare while doing so. And all with passively cooled LED light engines in various light levels and reflector variations.

- Recessed downlight with LED (Light Emitting Diode)
- LED warm white 3000K or neutral white 4000K, CRI 80
- Housing with ceiling trim in die cast aluminium, white
- Reflector in polished aluminium or white
- Medium 2x30°, UGR 19
- Flood 2x40°
- Passive cooling
- HF electronic in separate control gear container
- FlexBox prewired, through wiring possible
- Utilised flux up to 2300 lumen
- For ceiling thickness of 1-25mm
- IP20
- With or without diffuser in clear glass, IP44 from below by closed ceilings
CFL – LED comparison.

LED shines thanks to its efficiency, too. The comparison is always astounding: The same lighting situation, in one scenario, with compact fluorescent bulbs; in another, with the new Oxxo LED. The result is truly astonishing: Notable energy efficiency enhancement of over 50% with the same or even better lighting. A good thing for you, the onlooker and your wallet.
Recessed downlight

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<th>CCT</th>
<th>Type</th>
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Recessed downlight, IP44, with glass, clear

for DALI dimmable luminaires substitute the A in the ref. nr. with a C

Ordering example: 1x20W, Medium 2x30°, 21WB3A16DA.03 → 21WB3A16DC.03

Reinforcement ceiling ring for ceiling thickness < 7 mm 21SET172.02

Concrete recessed box 21EB172.01 or 21EB172.02 to be ordered separately
A little one that’s got what it takes. Minimo LED.

Minimo scores points for its compact dimensions and direct connection to the 230 V mains. So the dimmable midget among downlights is the ideal replacement for classic halogen luminaires - saving a very respectable 85% of energy. Not bad for a little one.

- Recessed downlight with LED (Light Emitting Diode)
- LED warm white 2700K CRI >90
- Direct connection to 230V
- Direct light emission
- Die cast aluminium, white
- Cover ring in black, silver or white
- Reflector in polished aluminium
- Beam spread Spot 2 x 15°
- Passive cooling
- Integral HF electronic control gear
- For ceiling thickness of 1-15mm
Minimo LED.

Specification
11W 264W.A08BK 2700K

All models are dimmable through trailing edge phase control dimmers! Concrete recessed box EB023 to be ordered separately.
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Glossary.

Psys: System power in Watts (W)
LL: Luminous flux in lumens (lm)
TCP: Colour temperature in Kelvin (K)
CRI: Colour Rendering Index
L70: Lifetime in hours (h): the duration in which the LED delivers a luminous flux of minimum 70%.
UGR: Unified Glare Rating

References.

Front Klimahaus, Bremerhaven, Germany
5 Klimahaus, Bremerhaven, Germany
7 Taschen- und T-Shirt-Laden, Basel, Switzerland
13 Belgacom-Proximus, Belgium
14/17 Klimahaus, Bremerhaven, Germany
18 Klimahaus, Bremerhaven, Germany
22 Hieber Binzen, Germany
26 Alinea, Basel, Switzerland
29 Keramik Laufen AG, Laufen, Switzerland
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31 Stoecklin Küchen, Aesch, Switzerland
35 Fashion Store, Düsseldorf, Germany
38/40 Merkur, Wien, Austria
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