

## **LED spotlights and downlights.**

Lighting at its  
best.



LEDs - The highlight of the future.

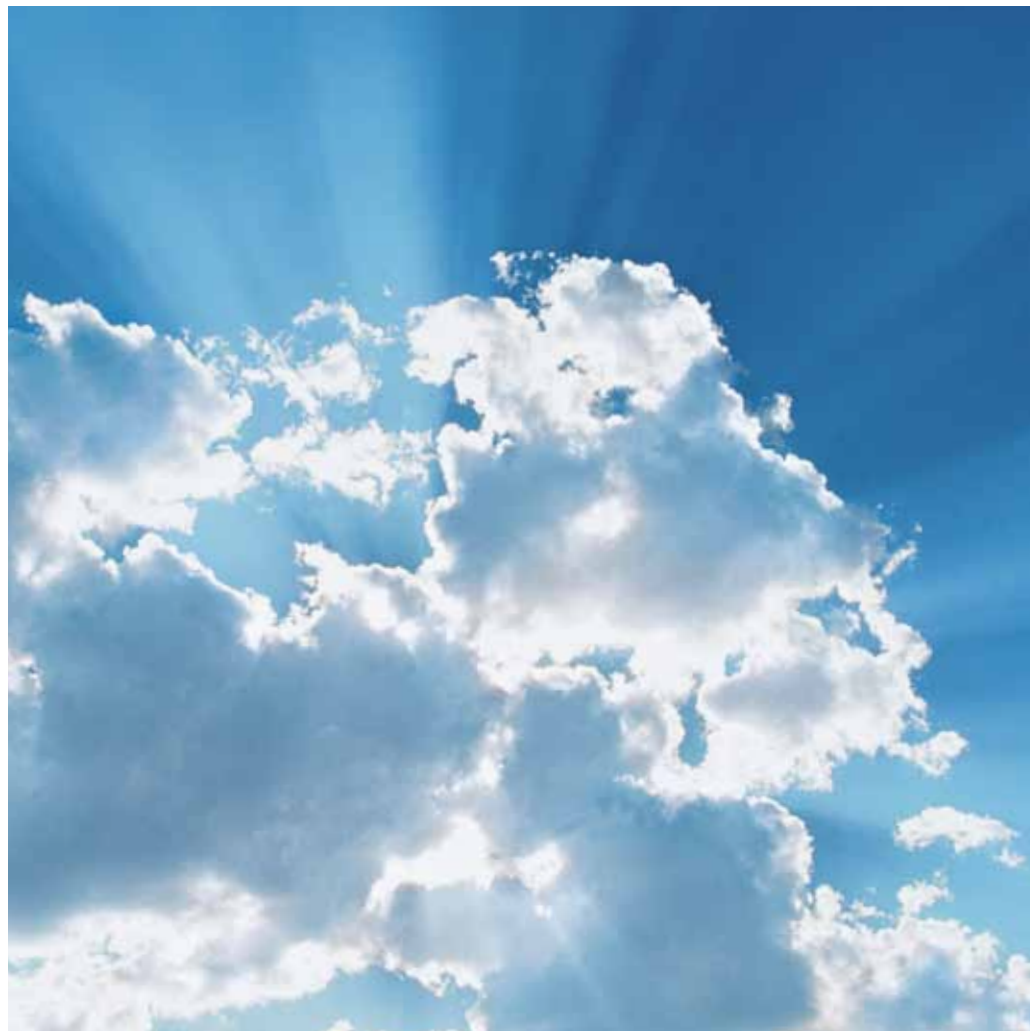
LEDs revolutionise. LEDs open up new possibilities. LEDs raise questions. Only understanding, experience, skill and foresight can guarantee that the opportunities this innovation presents can be used purposefully.

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.



Content.

- LED Spotlight 4
- LED Downlights 6
- LED Technology 8
- Poco Spot LED passive cooling 15
- Poco Spot LED active cooling 19
- Poco Spot LED with PAL+ technology 23
- InMax LED 27
- LED Downlights 30
- Poco Downlighter LED 33
- PAL+ technology 34
- Poco System EFT 39
- Poco System EFT system components 42
- Oxxo LED 45
- Minimo LED 51
- Numbers index and glossary 55



Poco Spot LED passive



Poco Spot LED active



Poco System EFT LED



InMax LED

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

**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.

**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.





Poco System EFT



Poco Downlighter LED



Oxxo LED



Minimo LED

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

**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.

**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 upmost 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.



#### Poco Spot LED passive

- passive cooling without active ventilators
- guaranteed noiseless

#### Poco Spot LED active

- maximum LED lighting package
- integrated high performance ventilator

#### Poco Downlighter LED

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

#### Poco System EFT with LED

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

#### Poco Spot PAL+

- HiFi light
- best colour rendering
- variable colour temperature

#### Poco Downlighter PAL+

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

#### Poco System EFT with PAL+

- best light quality even without busbar
- lighting colours suitable for meat, fish, cheese and bakery displays
- pivots and swivels

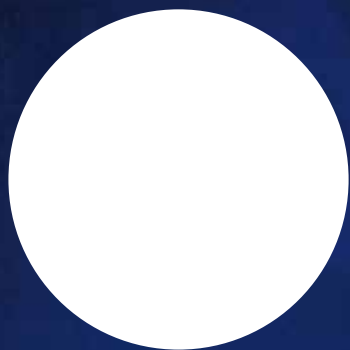




Cooler lights mean greater efficiency.  
Poco Spot LED with passive or active cooling.

**Stay lovely and cool** – a motto that can also apply to the Poco Spot LED. LED (Light Emitting Diodes) 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.





63

lm/W

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°
- 350° 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

⊕ ⊖ 960°C

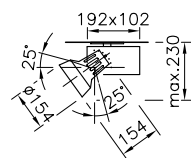




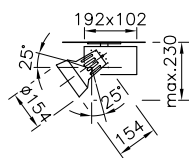
Poco Spot LED passive.



Spotlight LED, silver and white



Spotlight LED, silver and white

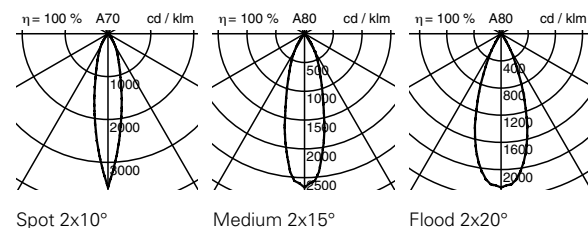


1~adaptor			3000K	4000K
42W	Spot 2x10°	silver	<b>66H1.S27DA</b>	<b>66H1.S27JA</b>
42W	Medium 2x15°	silver	<b>66H1.M27DA</b>	<b>66H1.M27JA</b>
42W	Flood 2x20°	silver	<b>66H1.F27DA</b>	<b>66H1.F27JA</b>
42W	Spot 2x10°	white	<b>66W1.S27DA</b>	<b>66W1.S27JA</b>
42W	Medium 2x15°	white	<b>66W1.M27DA</b>	<b>66W1.M27JA</b>
42W	Flood 2x20°	white	<b>66W1.F27DA</b>	<b>66W1.F27JA</b>

3~adaptor			3000K	4000K
42W	Spot 2x10°	silver	<b>66H3.S27DA</b>	<b>66H3.S27JA</b>
42W	Medium 2x15°	silver	<b>66H3.M27DA</b>	<b>66H3.M27JA</b>
42W	Flood 2x20°	silver	<b>66H3.F27DA</b>	<b>66H3.F27JA</b>
42W	Spot 2x10°	white	<b>66W3.S27DA</b>	<b>66W3.S27JA</b>
42W	Medium 2x15°	white	<b>66W3.M27DA</b>	<b>66W3.M27JA</b>
42W	Flood 2x20°	white	<b>66W3.F27DA</b>	<b>66W3.F27JA</b>

42W dimm. reg. DALI for mounting on a Global Trac Control Plus **66\*15.\*\*27DC** **66\*15.\*\*27JC**  
 \***H** silver resp. **W** white  
 \*\***S** Spot, **M** Medium, **F** Flood

Psys 42W  
 LL 2200/2650 lm  
 TCP 3000K/4000K  
 CRI >80  
 L70 50'000h







65

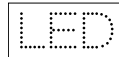
lm/W

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

**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°
- 350° 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

⊕ ⊖ 960°C



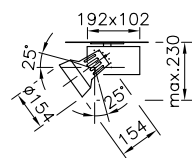
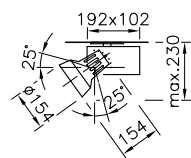


Poco Spot LED active.



Spotlight LED, silver and white

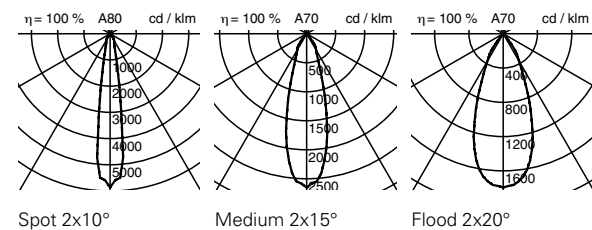
Spotlight LED, silver and white



1~adaptor			3000K	4000K
55W	Spot 2x10°	silver	<b>66H1.S40DA.00</b>	<b>66H1.S40JA.00</b>
55W	Medium 2x15°	silver	<b>66H1.M40DA.00</b>	<b>66H1.M40JA.00</b>
55W	Flood 2x20°	silver	<b>66H1.F40DA.00</b>	<b>66H1.F40JA.00</b>
55W	Spot 2x10°	white	<b>66W1.S40DA.00</b>	<b>66W1.S40JA.00</b>
55W	Medium 2x15°	white	<b>66W1.M40DA.00</b>	<b>66W1.M40JA.00</b>
55W	Flood 2x20°	white	<b>66W1.F40DA.00</b>	<b>66W1.F40JA.00</b>

3~adaptor			3000K	4000K
55W	Spot 2x10°	silver	<b>66H3.S40DA.00</b>	<b>66H3.S40JA.00</b>
55W	Medium 2x15°	silver	<b>66H3.M40DA.00</b>	<b>66H3.M40JA.00</b>
55W	Flood 2x20°	silver	<b>66H3.F40DA.00</b>	<b>66H3.F40JA.00</b>
55W	Spot 2x10°	white	<b>66W3.S40DA.00</b>	<b>66W3.S40JA.00</b>
55W	Medium 2x15°	white	<b>66W3.M40DA.00</b>	<b>66W3.M40JA.00</b>
55W	Flood 2x20°	white	<b>66W3.F40DA.00</b>	<b>66W3.F40JA.00</b>

Psys 55W  
 LL 3500 lm  
 TCP 3000K/4000K  
 CRI >80  
 L70 50'000h







Your latest sales argument: light.

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°  
350° 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%



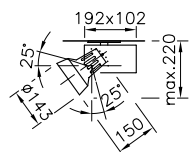
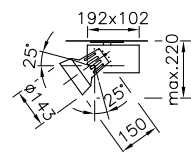


# Poco Spot PAL+.



Spotlight PAL+, silver

Spotlight PAL+, white



**3~adaptor 2500K - 6500K**

38W	Medium 2x15°	<b>66H3.M307I.01</b>	
38W	Flood 2x20°	<b>66H3.F307I.01</b>	
38W	Medium 2x15°	<b>66H5.M307E.01*</b>	DMX controlled
38W	Flood 2x20°	<b>66H5.F307E.01*</b>	DMX controlled

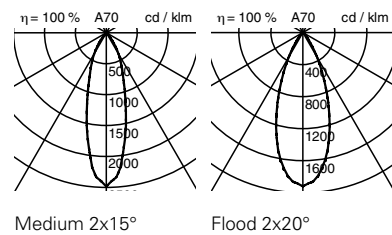
**\*for mounting on a  
Global Trac Control Plus**

**3~adaptor 2500K - 6500K**

38W	Medium 2x15°	<b>66W3.M307I.01</b>	
38W	Flood 2x20°	<b>66W3.F307I.01</b>	
38W	Medium 2x15°	<b>66W5.M307E.01*</b>	DMX controlled
38W	Flood 2x20°	<b>66W5.F307E.01*</b>	DMX controlled

**\*for mounting on a  
Global Trac Control Plus**

Psys 38W  
LL 2100 lm  
TCP 2500K-6500K  
CRI >90  
L70 50'000h







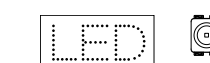
The retail spotlight -  
now with LED.

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 only the room and the products that look better. The visitors also feel welcome - and this improves success and sales volume.

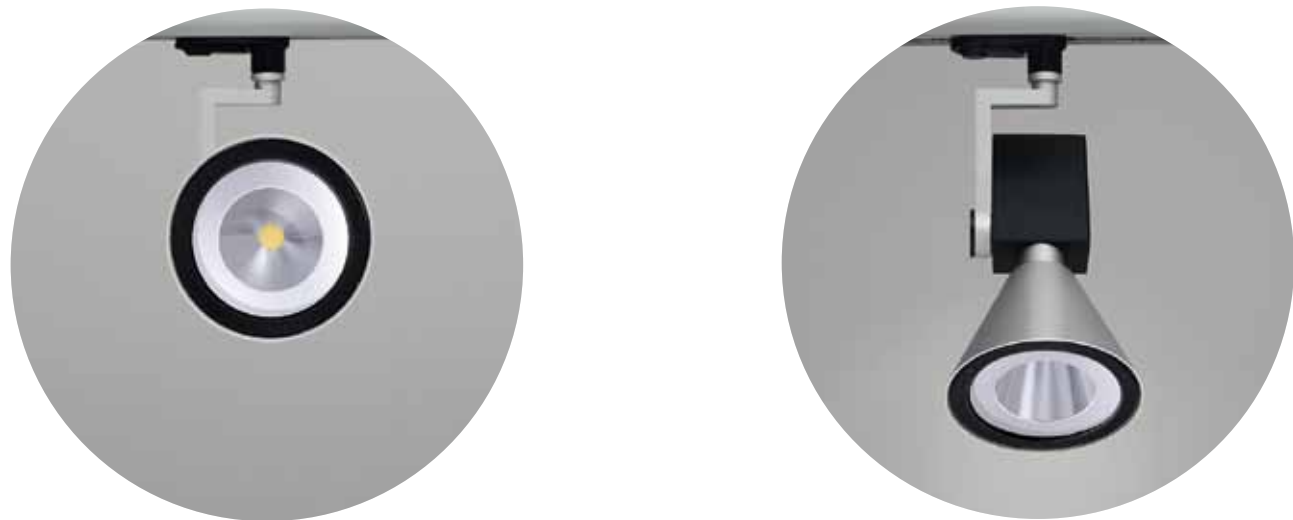
- Spotlight with LED (Light Emitting Diode)
- LED warm white 3000K or neutral white 4000K with CRI >80
- Aluminium die-cast control gear box, thermo painted black
- Aluminium die-cast reflector housing, thermo painted metallic silver
- Passive cooling
- Encased aluminium reflector, silver anodised
- 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

□ ▽ 960°C

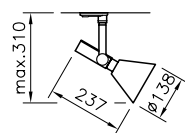




InMax LED.

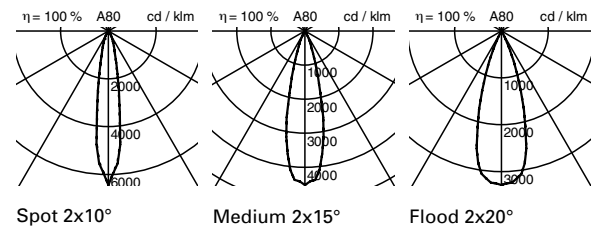


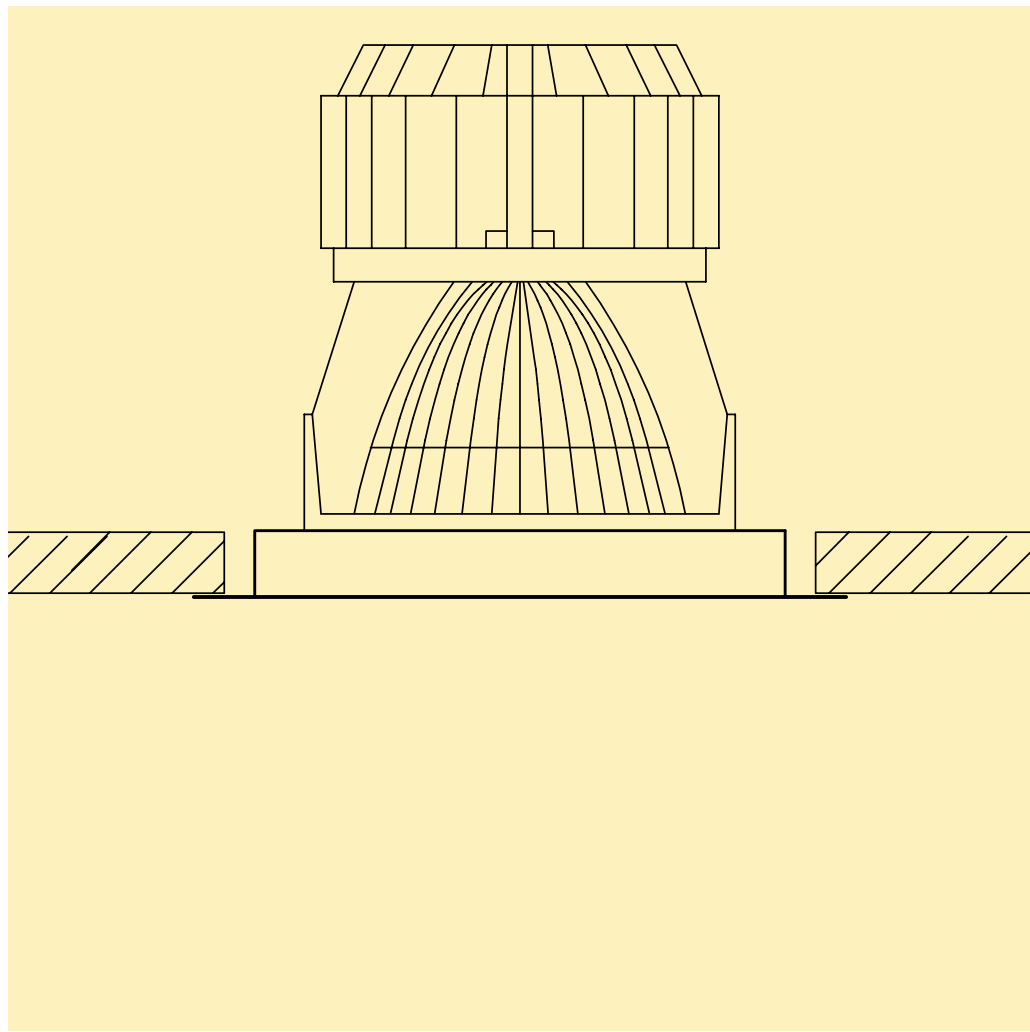
**Spot LED**



3~adaptor		3000K	4000K
25W	Spot 2x10°	<b>68SH3S12DA</b>	<b>68SH3S12JA</b>
25W	Medium 2x15°	<b>68SH3M12DA</b>	<b>68SH3M12JA</b>
25W	Flood 2x20°	<b>68SH3F12DA</b>	<b>68SH3F12JA</b>

Psys 25W  
 LL 1030lm  
 TCP 3000K/4000K  
 CRI >85  
 L70 50'000h





## 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.

## Downlights with LED.

The ideal pairing for greater efficiency.

**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.



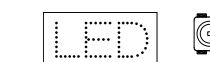


## A downlight with the strength of a spotlight. Poco Downlight LED.

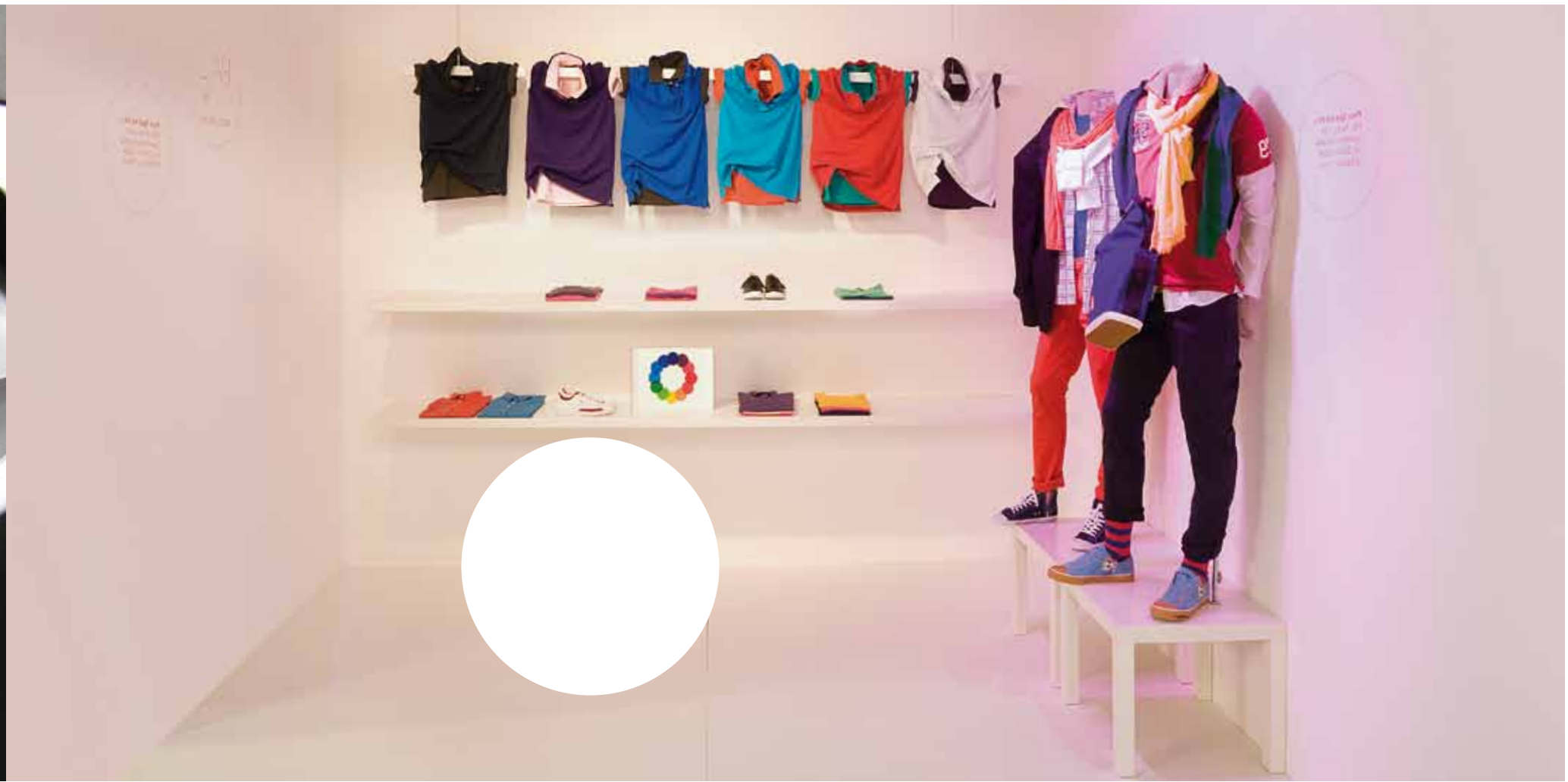
Is it a downlight? Is it a spotlight? No, it's Poco Downlighter LED. Poco Downlighter a LED combines the discretion of a downlight with the flexibility of a spot. When built into the suspended ceiling, a patented joint permits a swivelling motion otherwise unique to spotlights. A lighting bundle that 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°
- 350° horizontal adjustment, vertical tilt up to: 60°
- Utilised flux up to 2650 lumens
- Integral HF electronic control gear

⊕ ⊞ ▽ 850°C







Daylight of the  
POS.

## 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)
- 355° 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+.

## Poco Downlighter LED.

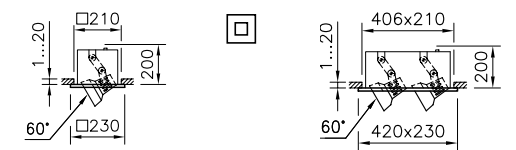
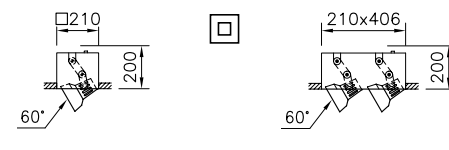
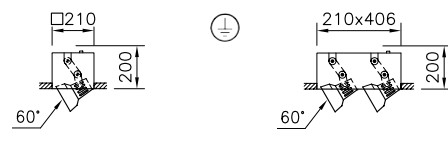
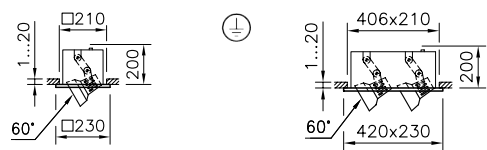


Recessed directional spotlight PAL+ LED, with ceiling trim

Recessed directional spotlight PAL+ LED, without ceiling trim

Recessed directional spotlight PAL+ LED, with ceiling trim

Recessed directional spotlight PAL+ LED, without ceiling trim



Specification	2500-6500K
1x38W Medium 2x15°	<b>65SH5M3071.01</b>
1x38W Flood 2x20°	<b>65SH5F3071.01</b>
2x38W Medium 2x15°	<b>65SH6M3071.01</b>
2x38W Flood 2x20°	<b>65SH6F3071.01</b>

Dimming and colour temperature adjustable by push buttons

Specification	2500-6500K
1x38W Medium 2x15°	<b>65S.5M3071.01</b>
1x38W Flood 2x20°	<b>65S.5F3071.01</b>
2x38W Medium 2x15°	<b>65S.6M3071.01</b>
2x38W Flood 2x20°	<b>65S.6F3071.01</b>

Dimming and colour temperature adjustable by push buttons

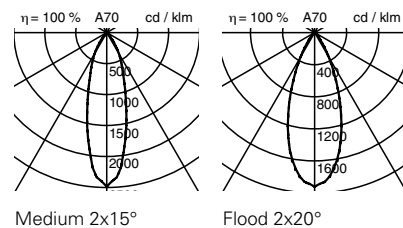
Specification	3000K	4000K
1x45W Spot 2x10°	<b>65SH5S30DA.01</b>	<b>65SH5S30JA</b>
1x45W Medium 2x15°	<b>65SH5M30DA.01</b>	<b>65SH5M30JA</b>
1x45W Flood 2x20°	<b>65SH5F30DA.01</b>	<b>65SH5F30JA</b>
2x45W Spot 2x10°	<b>65SH6S30DA.01</b>	<b>65SH6S30JA</b>
2x45W Medium 2x15°	<b>65SH6M30DA.01</b>	<b>65SH6M30JA</b>
2x45W Flood 2x20°	<b>65SH6F30DA.01</b>	<b>65SH6F30JA</b>

Specification	3000K	4000K
1x45W Spot 2x10°	<b>65S.5S30DA.01</b>	<b>65S.5S30JA</b>
1x45W Medium 2x15°	<b>65S.5M30DA.01</b>	<b>65S.5M30JA</b>
1x45W Flood 2x20°	<b>65S.5F30DA.01</b>	<b>65S.5F30JA</b>
2x45W Spot 2x10°	<b>65S.6S30DA.01</b>	<b>65S.6S30JA.01</b>
2x45W Medium 2x15°	<b>65S.6M30DA.01</b>	<b>65S.6M30JA.01</b>
2x45W Flood 2x20°	<b>65S.6F30DA.01</b>	<b>65S.6F30JA.01</b>

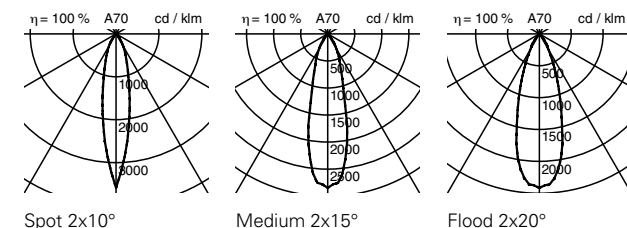
for DALI dimmable luminaires substitute the **A** in the ref.nr. with a **C**

Ordering example: 1x45W, Spot 2x10°, 65SH5S30DA.01 → 65SH5S30DC.01

Psys 38W  
LL 2100 lm  
TCP 2500-6500K  
CRI >90  
L70 50'000h



Psys 44W  
LL 3000K 2200 lm  
LL 4000K 2650 lm  
TCP 3000K/4000K  
CRI >80  
L70 50'000h







Reliably mounted, fully adjustable.  
Poco System EFT (Eco Fix Technology).

**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 down light 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!

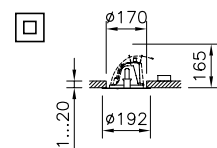


# Poco System EFT with PAL+ and LED



- 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**

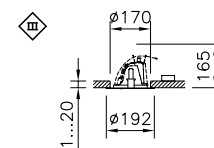


Louvre set to be ordered separately. 3000K 4000K

28W	Spot 2x10°	<b>61W.S22DA.00</b>	<b>61W.S22JA.00</b>
28W	Medium 2x15°	<b>61W.M22DA.00</b>	<b>61W.M22JA.00</b>
28W	Flood 2x20°	<b>61W.F22DA.00</b>	<b>61W.F22JA.00</b>

for DALI dimmable luminaires substitute the **A** in the ref.nr. with a **C**  
Ordering example: 1x28W, Spot 2x10°, 61W.S22DA.00 → 61W.S22DC.00

**Recessed directional spotlight PAL+, black**



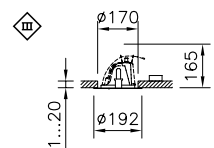
Louvre set to be ordered separately. 2500-6500K

29W	Flood 2x20°	<b>61S.M157I.03</b>
-----	-------------	---------------------

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

**Recessed directional spotlight PAL+, white**



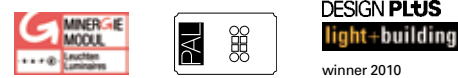
Louvre set to be ordered separately. 2500-6500K

29W	Flood 2x20°	<b>61WS.M157I.03</b>
-----	-------------	----------------------

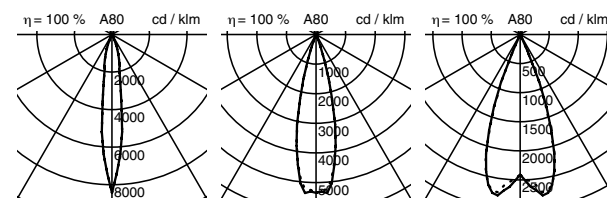
Dimming and colour temperature adjustable by external means

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

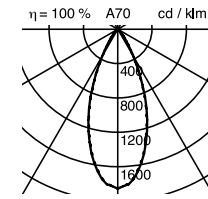
IP40 960°C



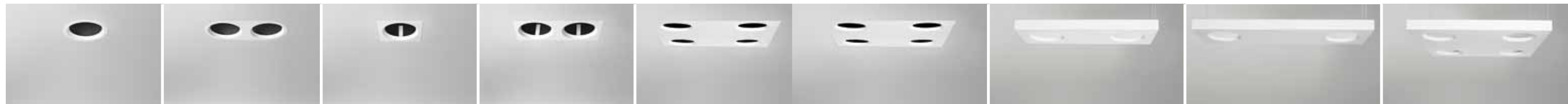
Psys 28W  
LL 3000K 2000 lm  
LL 4000K 2100 lm  
TCP 3000K/4000K  
CRI >80  
L70 50'000h



Psys 29W  
LL 1550 lm  
TCP 2500K-6500K  
CRI >90  
L70 50'000h



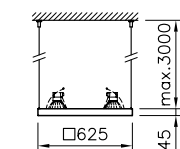
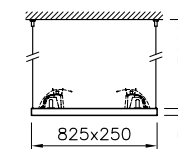
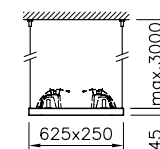
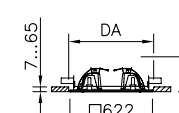
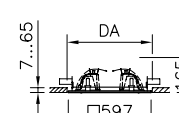
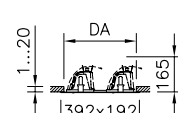
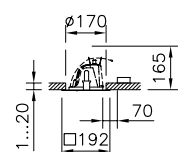
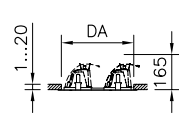
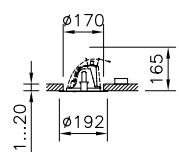
Poco System EFT. System components.



Frame set, for recessed mounting, black and white

Frame set, for recessed mounting, white

Frame set, for pendant mounting, white



Specification

63RAMSET.01S  
63RAMSET.01W

63RAMSET.02S  
63RAMSET.02W

63RAMSET.11S  
63RAMSET.11W

63RAMSET.12S  
63RAMSET.12W

63RAMSET.31W

63RAMSET.32W

63RAMSET.51W

63RAMSET.52W

63RAMSET.53W

Wire cord suspension included



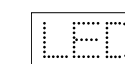


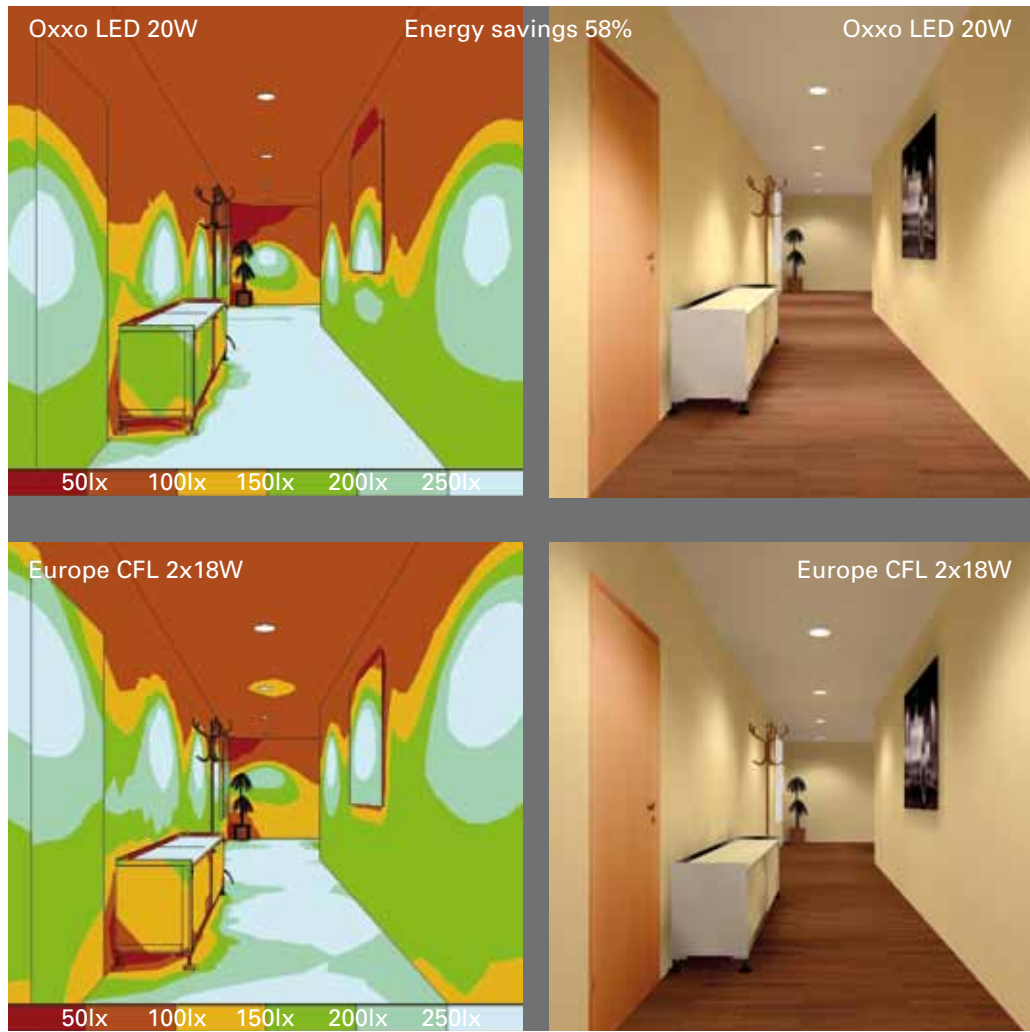
75  
lm/W

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 lumens
- For ceiling thickness of 1-25mm
- IP20
- With or without diffuser in clear glass, IP44 from below by closed ceilings





75  
lm/W

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.



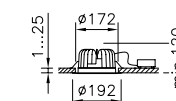
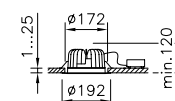
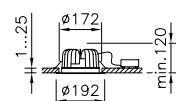
# Oxxo LED.



**Recessed downlight**

**Recessed downlight , IP44, with glass, clear**

**Recessed downlight, IP44, with glass, clear**



Aluminium step reflector		3000K	4000K
20W	Medium 2x30°	<b>21WB2A16DA.03</b>	<b>21WB2A16JA.03</b>
20W	Flood 2x40°	<b>21WB2C16DA.03</b>	<b>21WB2C16JA.03</b>
30W	Medium 2x30°	<b>21WB2A21DA.03</b>	<b>21WB2A21JA.03</b>
30W	Flood 2x40°	<b>21WB2C21DA.03</b>	<b>21WB2C21JA.03</b>

Aluminium step reflector		3000K	4000K
20W	Medium 2x30°	<b>21WB3A16DA.03</b>	<b>21WB3A16JA.03</b>
20W	Flood 2x40°	<b>21WB3C16DA.03</b>	<b>21WB3C16JA.03</b>
30W	Medium 2x30°	<b>21WB3A21DA.03</b>	<b>21WB3A21JA.03</b>
30W	Flood 2x40°	<b>21WB3C21DA.03</b>	<b>21WB3C21JA.03</b>

Step reflector, white		3000K	4000K
20W		<b>21WB3W.16DA.03</b>	<b>21WB3W.16JA.03</b>
30W		<b>21WB3W.21DA.03</b>	<b>21WB3W.21JA.03</b>

for DALI dimmable luminaires substitute the **A** in the ref.nr. with a **C**  
 Ordering example: 1x20W, Medium 2x30°, 21WB2A16DA.03 → 21WB2A16DC.03

for DALI dimmable luminaires substitute the **A** in the ref.nr. with a **C**  
 Ordering example: 1x20W, Medium 2x30°, 21WB3A16DA.03 → 21WB3A16DC.03

for DALI dimmable luminaires substitute the **A** in the ref.nr. with a **C**  
 Ordering example: 1x20W, 21WB3W16DA.03 → 21WB3W16DC.03

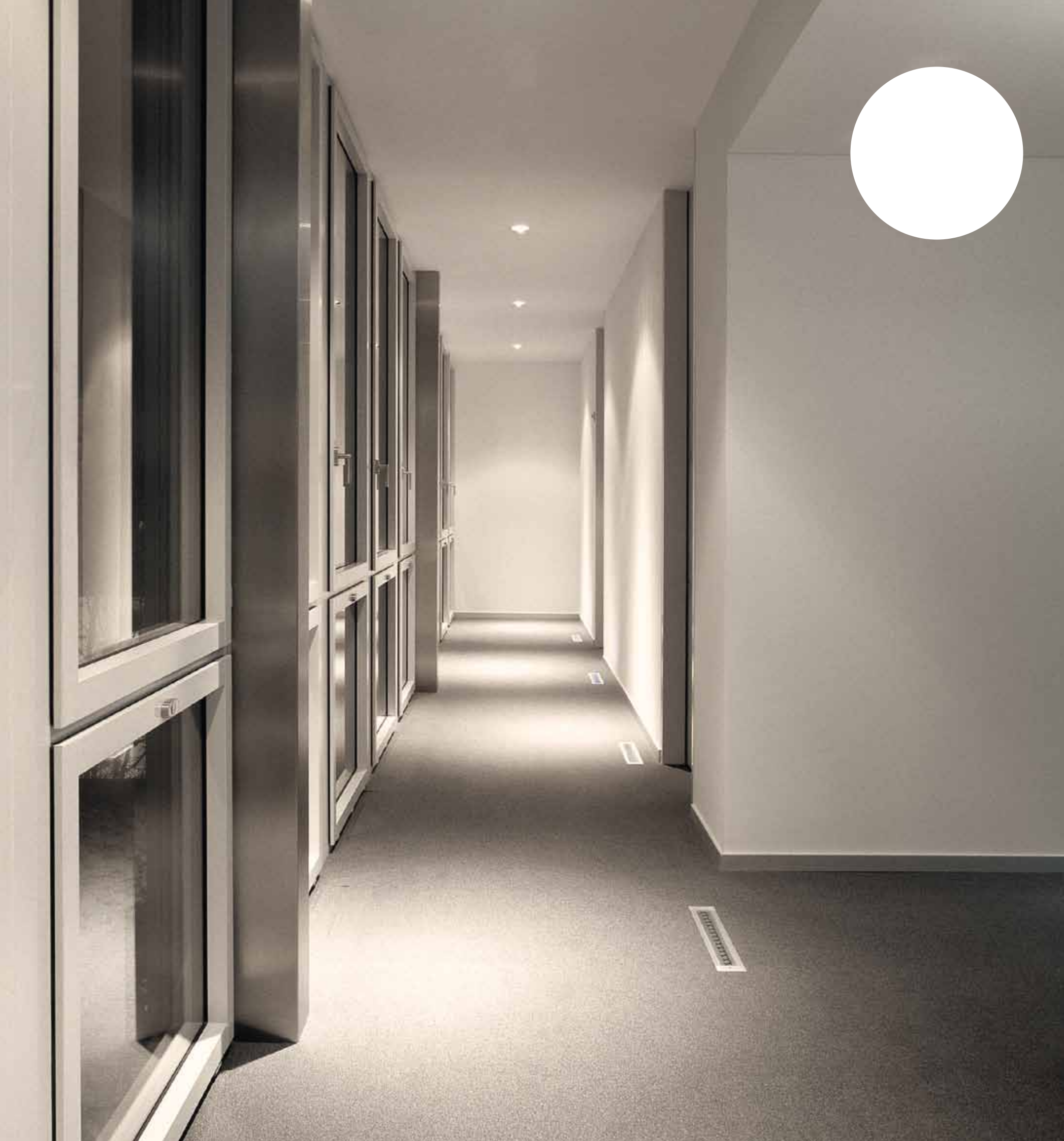
Reinforcement ceiling ring for ceiling thickness < 7 mm **21SET172.02**  
 Concrete recessed box **21EB172.01** or **21EB172.02** to be ordered separately

Psys 20/30W		η = 100 % A70 cd / klm	η = 100 % A60 cd / klm
LL	20W 3000K 1600 lm		
LL	20W 4000K 1750 lm		
LL	30W 3000K 2100 lm		
LL	30W 4000K 2350 lm		
TCP	3000K/4000K		
CRI	>80	Medium 2x30°	Flood 2x40°
L70	50'000h	UGR <19	UGR <23

Psys 20/30W		η = 100 % A70 cd / klm	η = 100 % A60 cd / klm
LL	20W 3000K 1450 lm		
LL	20W 4000K 1600 lm		
LL	30W 3000K 1900 lm		
LL	30W 4000K 2100 lm		
TCP	3000K/4000K		
CRI	>80	Medium 2x30°	Flood 2x40°
L70	50'000h	UGR <19	UGR <23

Psys 20/30W		η = 100 % A50 cd / klm
LL	20W 3000K 1400lm	
LL	20W 4000K 1550lm	
LL	30W 3000K 1850lm	
LL	30W 4000K 2050lm	
TCP	3000K/4000K	
CRI	>80	
L70	50'000h	



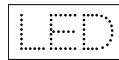


**70**  
lm/W

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

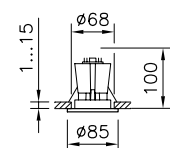




Minimo LED.



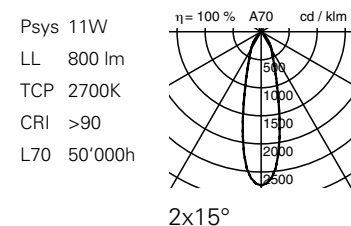
Downlight, white ring



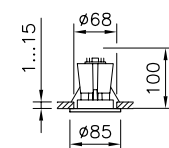
Specification

11W **2649W.A08BK** 2700K

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



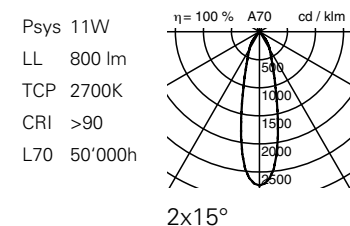
Downlight, black ring



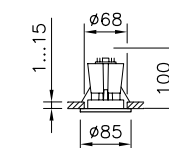
Specification

11W **2649S.A08BK** 2700K

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



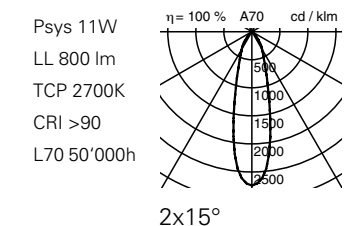
Downlight, silver ring



Specification

11W LED **2649H.A08BK**

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





## Table of contents.

### Table of contents

Ref. no	Page	Ref. no	Page	Ref. no	Page	Ref. no	Page
21	48/49	63	42/43	66	16/20/24	2649	52/53
61	40/41	65	36/37	68	28	BGLLED	41

## 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  
 (Photographer: Ruedi Walti, Basel, Switzerland)  
 31 Stoecklin Küchen, Aesch, Switzerland  
 35 Fashion Store, Düsseldorf, Germany  
 38/40 Merkur, Wien, Austria  
 54 Klimahaus, Bremerhaven, Germany

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