

DIAMO





Fischapark, Wiener Neustadt | AT

Architecture: Architektur Consult ZT GmbH, Graz | AT

Lighting project design: Bartenbach GmbH, Aldrans | AT

Electrical design: Planungsgruppe Grünbichler GmbH, Kapfenberg | AT



DIAMO | with flood reflector

The essence of brilliant lighting.

DIAMO, which incorporates unique lighting technology developed jointly with experts at Bartenbach GmbH, based in Aldrans near Innsbruck, is a highlight in the world of miniaturised recessed luminaires: intelligently designed reflectors ensure accurate light distribution by the high-power and efficient LED modules, without any spill light, as well as perfect glare control. The result: high-intensity pinpoint accent lighting with excellent lighting quality and maximum brilliance. DIAMO combines all these features in an extremely compact design, thus providing for new creative freedom in numerous indoor applications. DIAMO is a real diamond among LED downlights, enhancing both prestigious and functional areas in offices, setting goods in shops and retail areas brilliantly and powerfully centre stage, as it is ideally suited for use in hotels – from reception areas to hotel rooms.

DIAMO

Incredible brilliance in creative diversity



Complete product family

Colour rendering

Ra 90

Colour temperature

2700K and 3000K (warm white)
4000K (neutral white)

Control

switchable | dimmable
also available with Bluetooth®

DIAMO Downlight

Downlight with a minimised design that blends perfectly into the architecture.

Size (CCO)*

ø 68 mm

System capacity

LED 15 W | LED 25 W

Beam angles

Flood (30°) | Very wideflood (47°) | Wallwasher (72°)

tunableWhite

infinitely variable colour temperature from 2700K to 6500K
with consistently excellent colour rendering (CRI > 90)

Colours

Housing: White | Black
Reflector: White | Black | Copper | Brass

Fitting

with frame

*CCO = ceiling cut-out

DIAMO gimbal | reflector copper | M 1:1



DIAMO deep source

Downlight with recessed lighting head to maximise visual comfort.

Size (CCO)*

∅ 100 mm | □ 100 mm

System capacity

LED 12 W to 18 W

Beam angles

Spot (15°) | Flood (30°) | Very wideflood (47°)

Colours

Lighting head: White | Black
Reflector: White | Black | Copper | Brass
Frame: White | Black

Fitting

with frame



DIAMO gimbal (square/rectangular)

Modular system of pivot and swivel-mounted downlights in a square mounting frame (for one luminaire) or a rectangular mounting frame (for two to three luminaires).

Size (CCO)*

□ 100 mm | □ 196 mm | □ 290 mm
180° rotatable | 2 x 20° swivelling

System capacity

LED 12 W to 18 W

Beam angles

Spot (15°) | Flood (30°) |
Very wideflood (47°) | Wallwasher (72°)

Colours

Lighting head: White | Black
Reflector: White | Black | Copper | Brass
Frame: White | Black

Fitting

with frame | no frame



DIAMO gimbal (round)

Modular system for a pivot and swivel-mounted downlight in a round mounting frame.

Size (CCO)*

∅ 100 mm
180° rotatable | 2 x 20° swivelling

System capacity

LED 12 W to 18 W

Beam angles

Spot (15°) | Flood (30°) |
Very wideflood (47°) | Wallwasher (72°)

Colours

Lighting head: White | Black
Reflector: White | Black | Copper | Brass
Frame: White | Black

Fitting

with frame | no frame

DIAMO

Compact precision



DIAMO | LED downlight with flood reflector | scale 1:1

Housing

The high-quality housing made of die-cast aluminium ensures excellent heat dissipation based on optimised thermal management, which allows the use of high-output LED modules despite the extremely compact design.

White



LED module

Extremely powerful and efficient LED modules produce a luminous flux of up to 1900 lumens – for pinpoint accent lighting and excellent lighting quality, even in high rooms.

Fitting

The DIAMO downlight is installed easily and securely in the ceiling using two screw fixing mechanisms.

Reflectors

Intelligently designed reflectors made of super pure aluminium distribute the light with unique precision, providing for maximum brilliance and perfect glare control.

tunableWhite*

DIAMO is also available in the perfect combination of a miniaturised downlight with precise lighting technology, a high level of brilliance and state-of-the-art tunableWhite technology. The colour temperature is infinitely variable from 2700–6500K and can be controlled via DALI DT8 2010 Standard 2 or basicDim Wireless, with luminous flux remaining constant. The 3-channel technology ensures high colour consistency and light quality with MacAdam 3 and CRI > 90. The design is available with FL, VFL and WW light distribution.

*only available with DIAMO R68

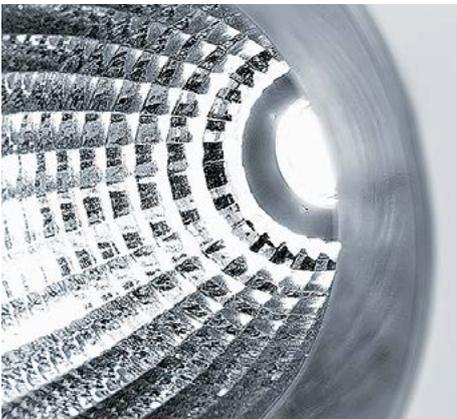


Autohaus Schweiger, Reutte | AT

Architects: Helmut Schweiger, Bernd Müller (archtirol), Tirol | AT

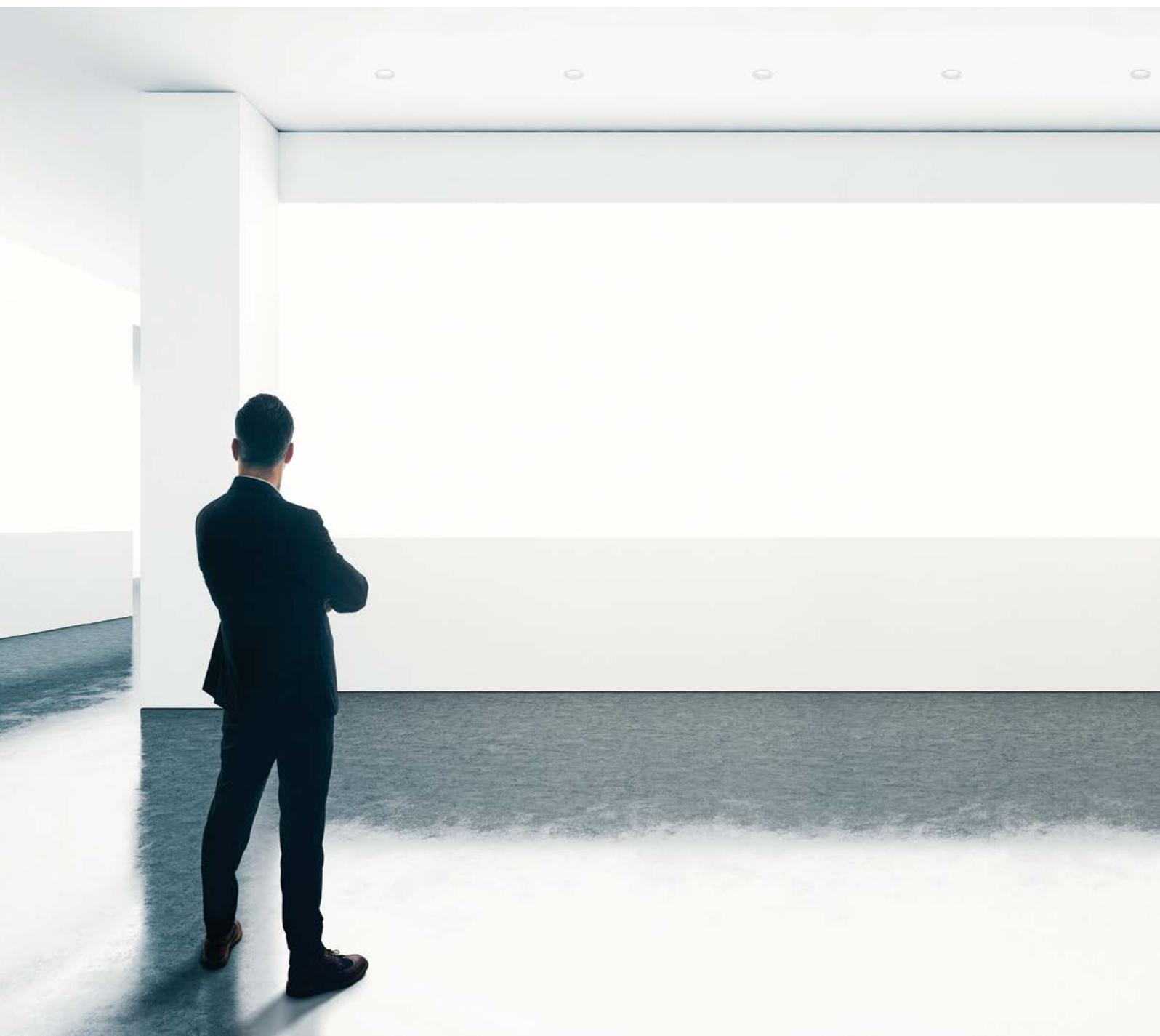
Electrical design: systech-solution GmbH, Reutte | AT

Electrical installation: Elektro Entstrasser und Elektrizitätswerke Reutte, Reutte | AT



DIAMO deep source

Perfect light comfort



Pleasant lighting effect from the depths

DIAMO deep source allows the light effect to take precedence with a lighting head that is recessed deep into the ceiling. Ceiling and luminaire form a perfect unit. No direct visibility of the light source and pleasant luminance levels guarantee maximum visual comfort and a consistently quiet ceiling appearance.

Fitting frame

White | Black

**Light module**

White | Black

**Reflector**

White | Black | Copper | Brass



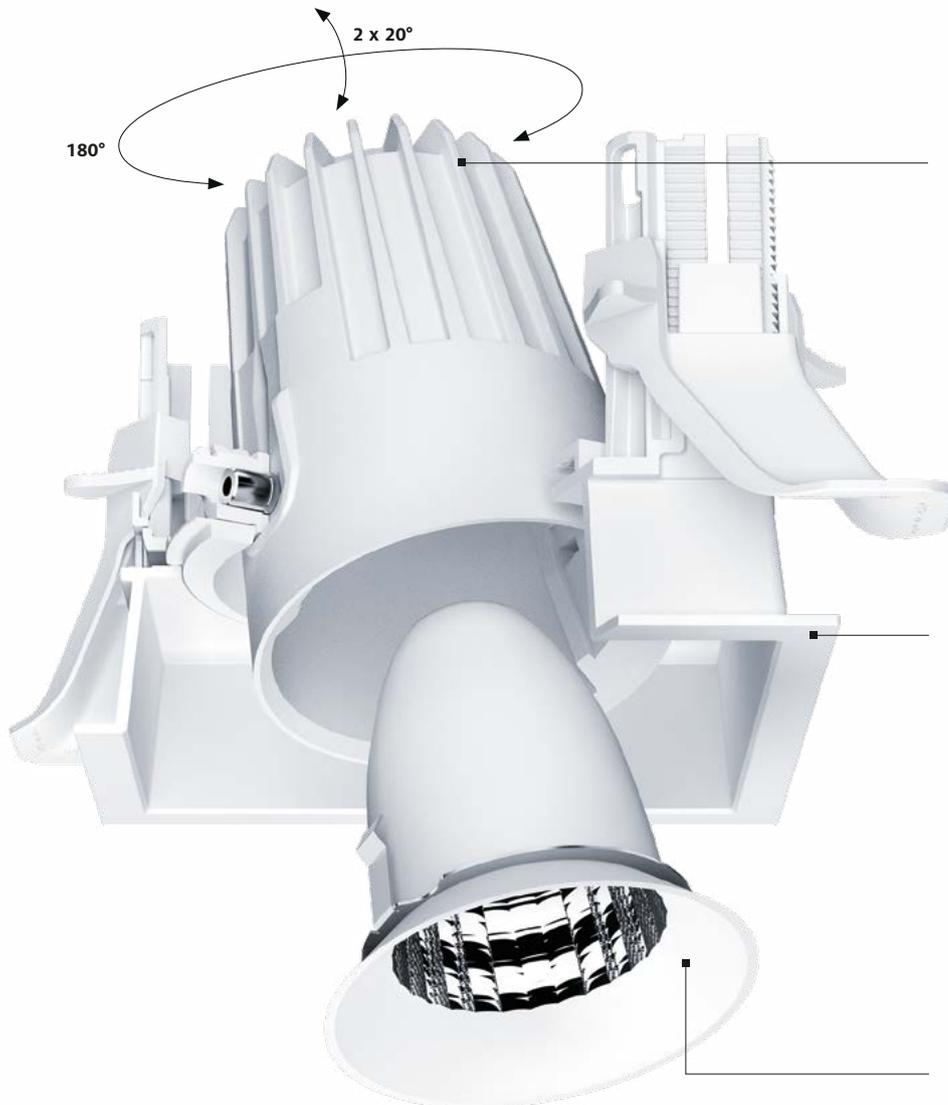
DIAMO deep source | square | Spot



DIAMO deep source | round | Flood

DIAMO gimbal

Personalise with colour and light



DIAMO gimbal | Flood | Reflector White | M 1:1

Lighting heads

Each lighting head can be rotated individually by 180 degrees and swivelled by 2 x 20 degrees - and always remains concealed in the ceiling. Subsequent replacement is also possible, as the lighting head is inserted into the fitting frame from below.

White | Black



Fitting frame

The variety of designs ranges from models with and without frames to round or square models for one light head or rectangular models for integrating two or three light heads. The flexible mounting concept makes it possible to fit the light heads in all frame variants with a simple click.

White | Black



Reflectors

Intelligently designed reflectors made of high-purity aluminium direct the light with unique precision, offering both maximum brilliance and perfect glare control. Thanks to the modular design, lighting heads and reflectors can be combined together in any colour. The excellent lighting effect remains constantly at the highest level.

White | Black | Copper | Brass



Individual luminaires with excellent lighting quality

DIAMO gimbal combines architectural design in a compact linear form with the exceptional and brilliant light quality of DIAMO. The blend of modular design and individually adjustable lighting heads allows for a high degree of flexibility, which is reflected in both the versatile application possibilities and the level of design freedom. The individual composition of the specific components creates luminaires that, with their wide range of colours, become unique personalised items.



DIAMO

Modular concept for DIAMO gimbal and DIAMO deep source



Lightheads



Spot

Flood

Very wideflood

Wall-washer

Housing colours



Personalise Reflector



Frames gimbal



Trim
single | double | triple
White or Black



Trimless
single | double | triple
White or Black



Trim
single
White or Black



Trimless
single
White or Black



Frames deep source



Square
White or Black



Round
White or Black



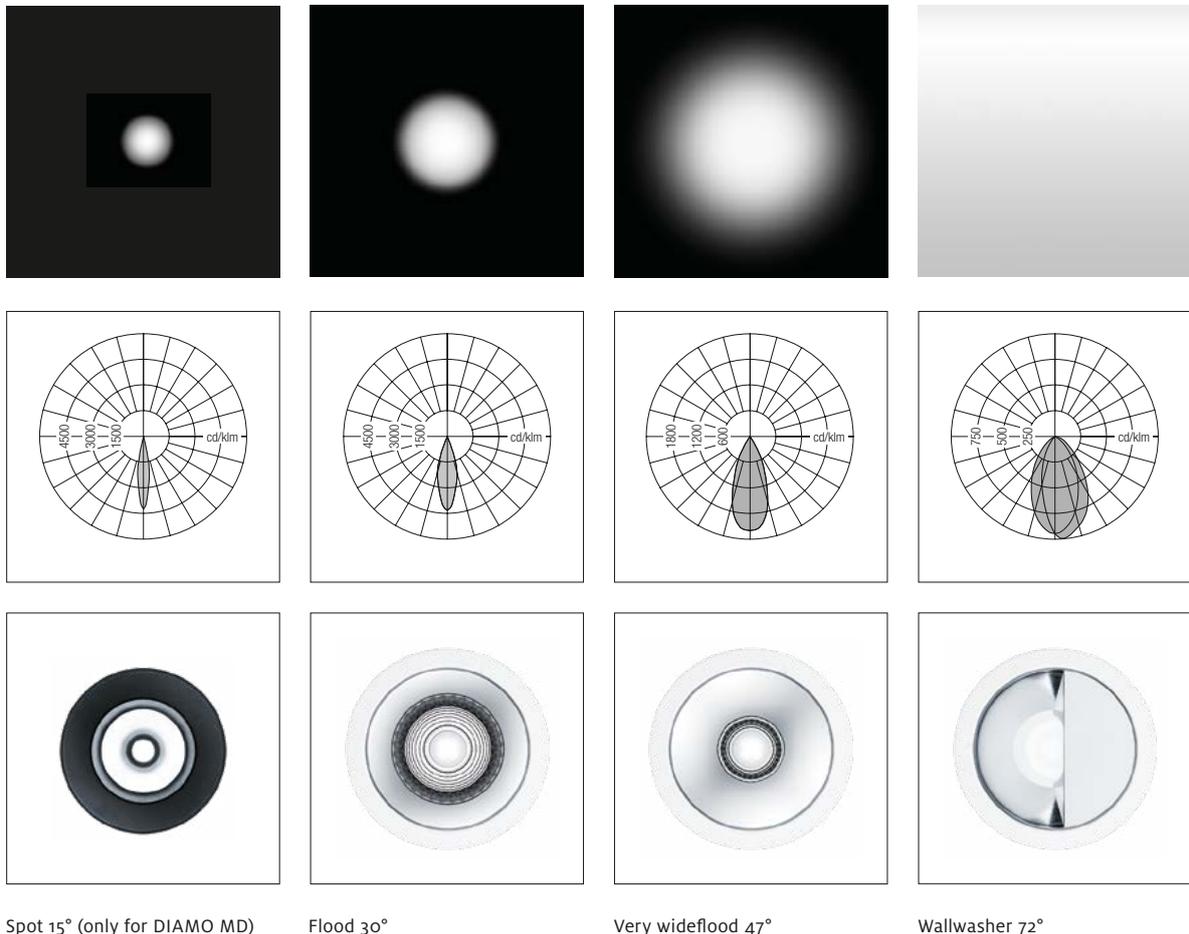
DIAMO

Light beam features

Thanks to reflectors with different light beam features - spot, flood, very wideflood and wallwasher - for fixed and swivelling downlights, well as spotlights, the DIAMO luminaire series offers an outstanding range of options for holistic lighting concepts with a uniform design language.

The spot variant puts the focus on individual objects with a narrow light distribution of 15 degrees. A glass lens with an anti-glare tube is used instead of a reflector. Vertical surfaces are evenly illuminated with the wallwasher version.

DIAMO beam angles



Spot 15° (only for DIAMO MD)

Flood 30°

Very wideflood 47°

Wallwasher 72°



DIAMO | LED downlight with wallwasher reflector | scale 1:1

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