

DL 185 LED / DM 190 LED

THE ENERGY-EFFICIENT SOLUTION FOR THE FUTURE



YOUR ADVANTAGES

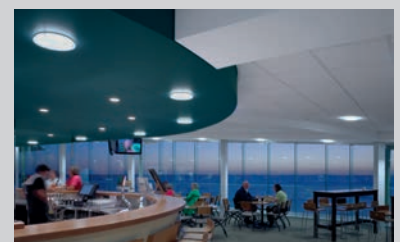
- ✓ Up to 30% energy saving
- ✓ High luminous efficacy up to 81 lm/W
- ✓ Radial louvre: according to EN 12464-1
- ✓ Intelligent thermal management
- ✓ Longevity designed up to 75,000 hr
- ✓ For general lighting
- ✓ Made in Germany
- ✓ Compatible with all SPITTLER modular glass accessories
- ✓ Ceiling cut-outs equivalent to corresponding SPITTLER compact fluorescent downlights

Future-proof: modular design allows simple retrofit of electrical and optical components without tools

Advantages when refurbishing: by designing the LED downlights to have the identical ceiling cut-outs as the existing compact fluorescent fittings you can simply retrofit without re-working the ceiling aperture.

Changing over is simple, without the need for tools, and flexibility is provided in the ability to use the existing SPITTLER glass accessories. It is also possible to mix SPITTLER downlights for CFL with LED downlights without any visual changes for the familiar light perception.

The choice is up to you which areas are to be upgraded to use sustainable lighting.



Typical application area:
general lighting

LAMP SOURCE COMPARISON



TC-D 2 x 13 W

Luminous flux: **1800 lm**
Efficacy: **69 lm/W**
Average lifetime: **10.000 h***

*depending on lamp brand and ballast



Hochleistungs-LED 18 W

Luminous flux: **1400 lm**
Efficacy: **78 lm/W**
Lebensdauer: **75.000 h***

*70% luminous flux

DL 185 LED DM 190 LED

Round or square modular recessed downlight with high-power LED in SMD technology. Die-cast ceiling trim, white powder-coated, adjustable without tools. Fixing of the bezel via bayonet lock. Housing made of galvanized sheet steel. Ceiling installation via quick-release springs without any tools. Suitable for ceiling plate thickness from 1 - 25 mm. C/w remote converter. LED element exchangeable. Intelligent thermal management. Reflector made of high-polished metalised pure aluminium for maximum efficiency and colour-neutral light reflection. Options for fittings with an inset translucent PMMA lens providing high light transmission, or a frosted diffuser offering a good light uniformity. A cross louvre is available to provide glare control. DM 190 LED according to EN12464-1. A later supplies of the luminaire with decor glasses is possible without using tools.



Installation without tools



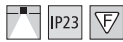
Quick installation



Dimmable versions



High-power LED technology

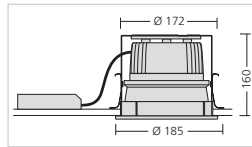


DL 185 LED – Translucent lens

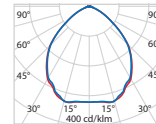
Version	Converter 350 mA	Converter 1-10V	Converter (DALI)	Luminous flux	Weight
LED 18 W, 3000 K	185.551.18.33	185.551.18.43	185.551.18.63	1300 lm	1,6 kg
LED 18 W, 4000 K	185.551.18.34	185.551.18.44	185.551.18.64	1400 lm	1,6 kg

DL 185 LED – Frosted diffuser

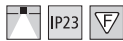
Version	Converter 350 mA	Converter 1-10V	Converter (DALI)	Luminous flux	Weight
LED 18 W, 3000 K	185.591.18.33	185.591.18.43	185.591.18.63	1300 lm	1,6 kg
LED 18 W, 4000 K	185.591.18.34	185.591.18.44	185.591.18.64	1400 lm	1,6 kg



Dimensions
Diameter \varnothing 185 mm
Ceiling cut-out \varnothing 172 mm
Recessed height 160 mm



LED 18 W (3000K) with translucent lens
Half-value angle $2 \times 46^\circ$
Shielding angle 25°
Luminance for $\gamma = 65^\circ$ 7500 cd/m²
Light output ratio 78%

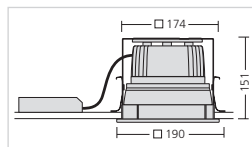


DM 190 LED – Translucent lens

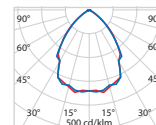
Version	Converter 350 mA	Converter 1-10V	Converter (DALI)	Luminous flux	Weight
LED 18 W, 3000 K	190.551.18.33	190.551.18.43	190.551.18.63	1300 lm	1,6 kg
LED 18 W, 4000 K	190.551.18.34	190.551.18.44	190.551.18.64	1400 lm	1,6 kg

DM 190 LED – Frosted diffuser

Version	Converter 350 mA	Converter 1-10V	Converter (DALI)	Luminous flux	Weight
LED 18 W, 3000 K	190.591.18.33	190.591.18.43	190.591.18.63	1300 lm	1,6 kg
LED 18 W, 4000 K	190.591.18.34	190.591.18.44	190.591.18.64	1400 lm	1,6 kg



Dimensions
Outer dimension 190 x 190 mm
Ceiling cut-out 174 x 174 mm
Recessed height 151 mm

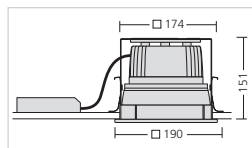


LED 18 W (3000K) with translucent lens
Half-value angle $2 \times 40^\circ$
Shielding angle 25°
Luminance for $\gamma = 65^\circ$ 1000 cd/m²
Light output ratio 63%

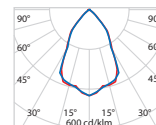


DM 190 LED – Cross louvre

Version	Converter 350 mA	Converter 1-10V	Converter (DALI)	Luminous flux	Weight
LED 18 W, 3000 K	190.541.18.33	190.541.18.43	190.541.18.63	1300 lm	1,7 kg
LED 18 W, 4000 K	190.541.18.34	190.541.18.43	190.541.18.64	1400 lm	1,7 kg



Dimensions
Outer dimension 190 x 190 mm
Ceiling cut-out 174 x 174 mm
Recessed height 151 mm



LED 18 W (3000K)
Half-value angle $2 \times 30^\circ$
Shielding angle 43°
Luminance for $\gamma = 65^\circ$ 200 cd/m²
Light output ratio 52%

Attachments (Please order separately!)

Panel sheet module 100	185.0320	190.0320M
Mineral fibre reinforcing plate	185.1320	190.1320M
Adjusting ring or frame	185.2010	190.2010M
Concrete casting drum	185.2035	190.2035M

Decore attachment (Please order separately!)

Clear safety glass pane, IP 54	185.901	190.901
Clear acrylic pane, IP 54	185.912	190.912
Kunststoffscheibe, klar, IP 54, ballwurf- und vandalismusgeschützt	185.911	-
Suspended, frosted glass ring or frame	185.904	190.904
Suspended, blue glass ring or frame	185.909	190.909