LED INTERIOR LIGHTING

Universal Design Spot S100 / S102 / S104

Comfort lighting

Grey spot with square frame

White spot, IP 44

Exterior ambient ring

Interior ambient ring

SPOTS WITH AMBIENT FUNCTION

- → Highly efficient LED spots
- → Light colour available in either warm white or neutral white
- → Multiple uses as a result of many different options
- → Simple installation due to small installation depth and integrated terminals
- → Long-lasting aluminium housing

Technical specifications

HOUSING FRAMES

→ Round
→ Square

HOUSING COLOURS

White **Light grey** **Dark grey**

AMBIENT COLOURS

Blue **White** **Amber**

Optional: without ambient colour

AMBIENT RING

→ Interior
→ Exterior (only for IP 23)

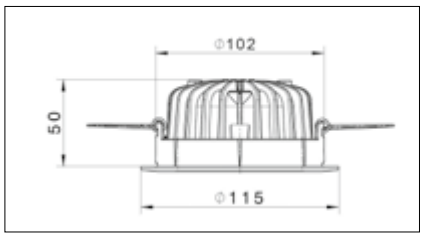
ANGLE OF RADIATION

→ 40°
→ 60°

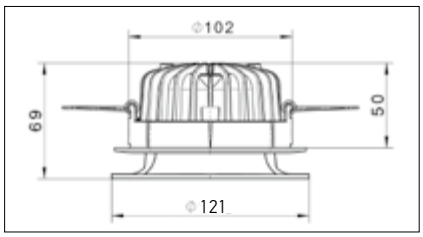
Advantages of S100 / S102 / S104

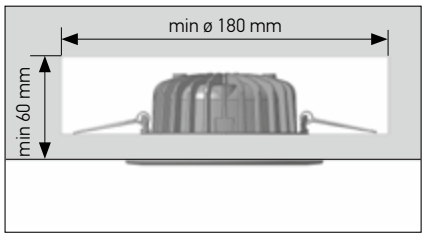
→ Patented ambient and function lighting combined in one spot
→ Colour rendering index > 85 (S100/S102) and > 80 (S104)
→ Special HELLA reflector technology for optimal illumination
→ High-tech converter solution to control two separate flow lines (ambient light, main light dimmable via 1 – 10 V interface)
→ Excellent thermal management
No overheating and low radiant heat
→ Average service life 60,000 hours
→ Small installation depth (50 mm)
→ Extremely shatter-proof components
→ Integrated terminals
→ Adjustable angle of inclination ± 20° (only for IP 23 versions)

Ambient ring, interior



Ambient ring, exterior





S100

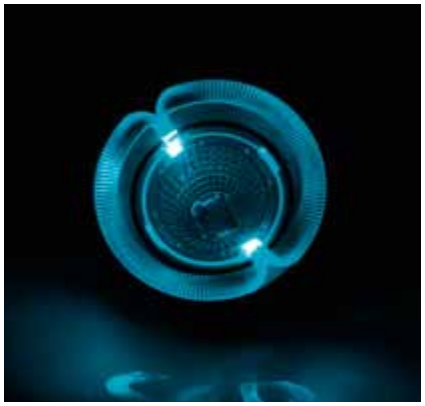
S102

S104

Ambient function

EFFECT

- → Through their ambient function, the Universal Design Spots can create subdued interior lighting
- → Ambient colour options are blue, white or amber
- → Available with interior or exterior ambient ring
- → The ambient function needs 50 mA constant current



Example: Light with exterior ambient ring in amber, blue and white.

LED DRIVERS

For S100 and S102, every high-quality LED driver with 700 mA constant power source is sufficient to control a lighting array. The S104 is controlled by a LED driver with 500 mA.

You can find information about LED drivers for interior LED lights from HELLA in a separate brochure or online at **www.hella.com/indoorlighting**

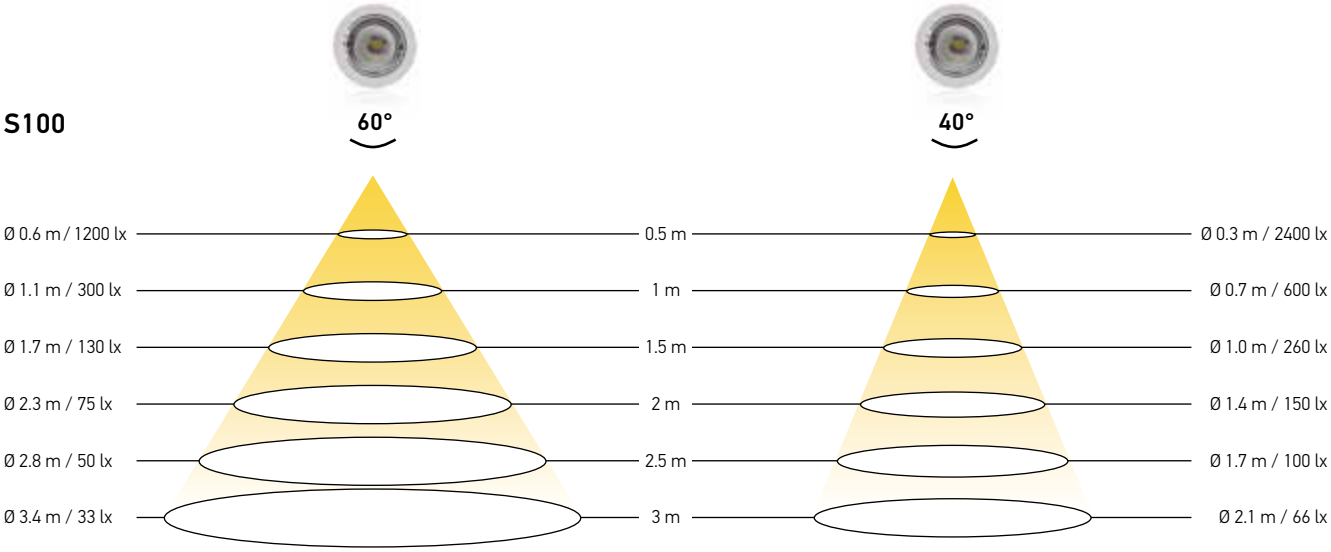
S1 LED driver 700 mA / 50 mA max. 16 W (S100 / S102)

M1 LED driver 700 mA / 50 mA mit max. 35 W (S100 / S102)
M1 LED driver 500 mA / 50 mA mit max. 25 W (S104)

ILLUMINATION LEVEL

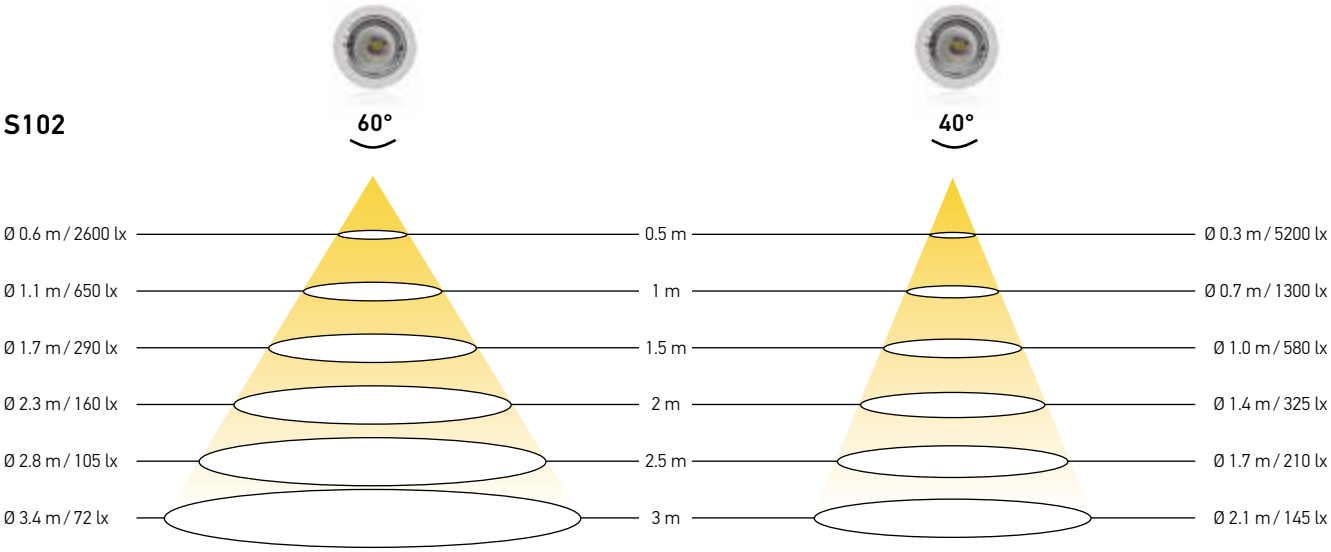
➔ Download the Dialux files from our Internet site.

S100



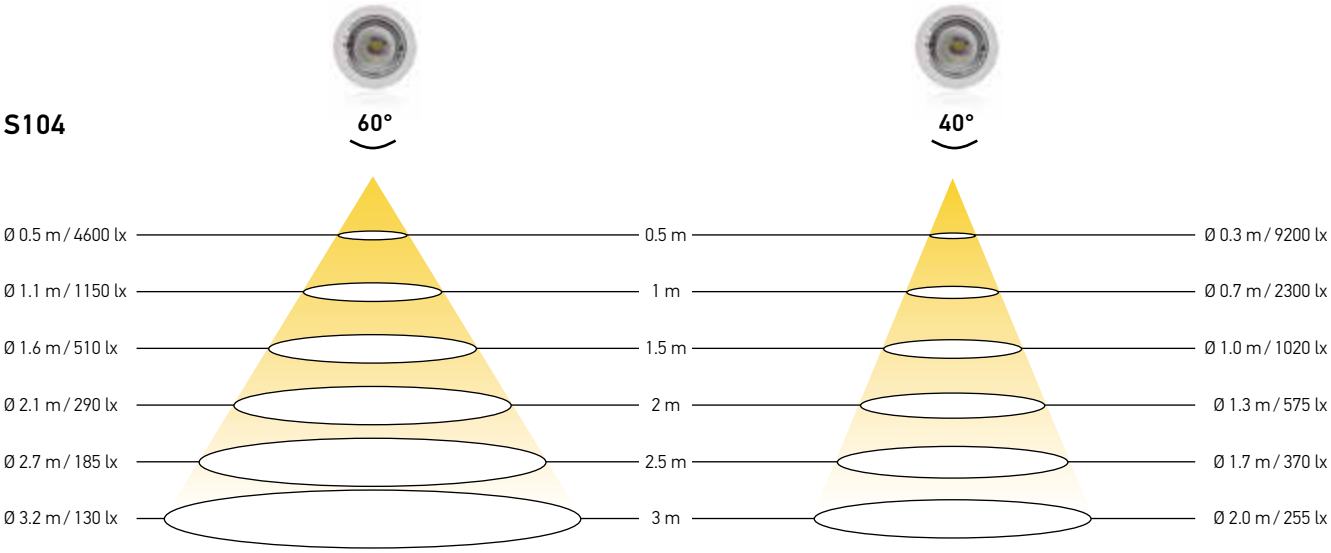
Diameter / Illumination level	Distance	Diameter / Illumination level

S102



Diameter / Illumination level	Distance	Diameter / Illumination level

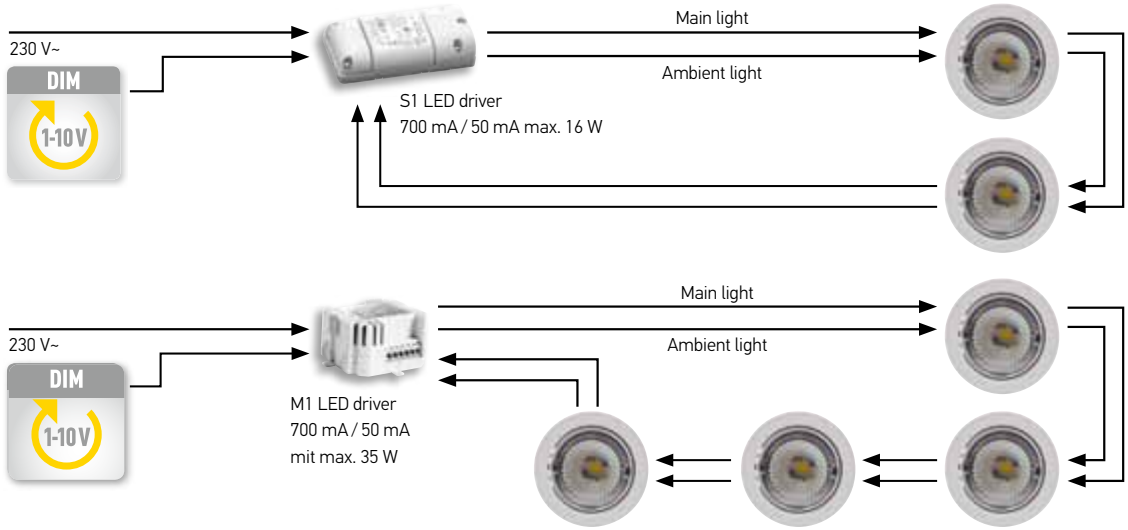
S104



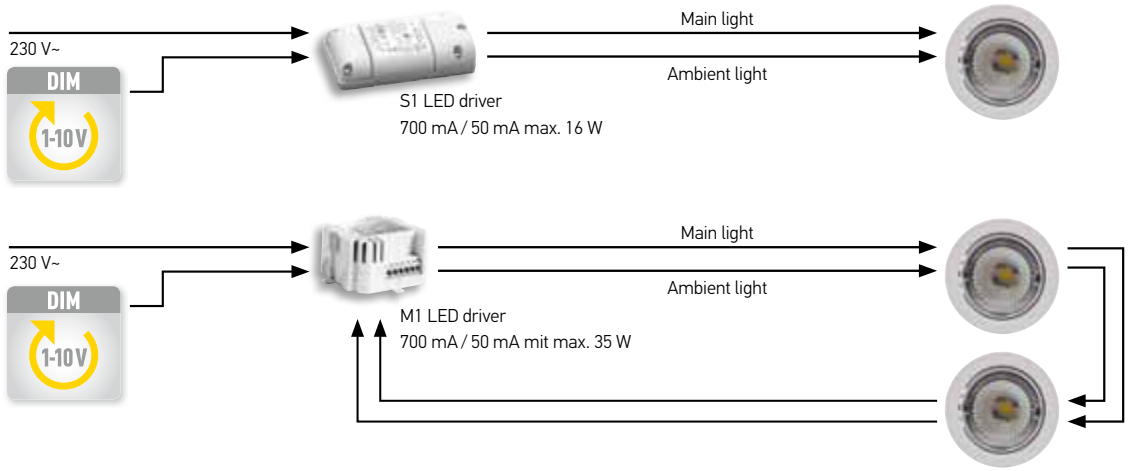
Diameter / Illumination level	Distance	Diameter / Illumination level

Connection examples

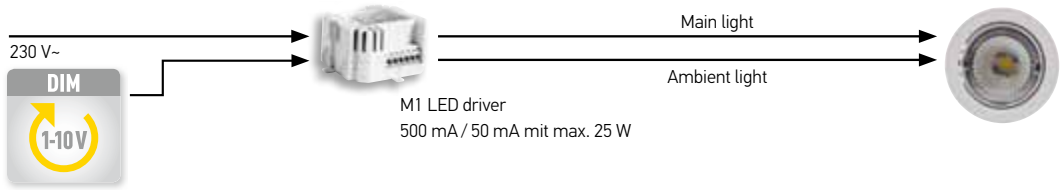
S100



S102



S104



NOTE! Installation by professional electrician only.

Compare for yourself!

2 x 18 W TC-D

Universal Design Spot S102

LONG-LASTING AND EFFICIENT ILLUMINANTS

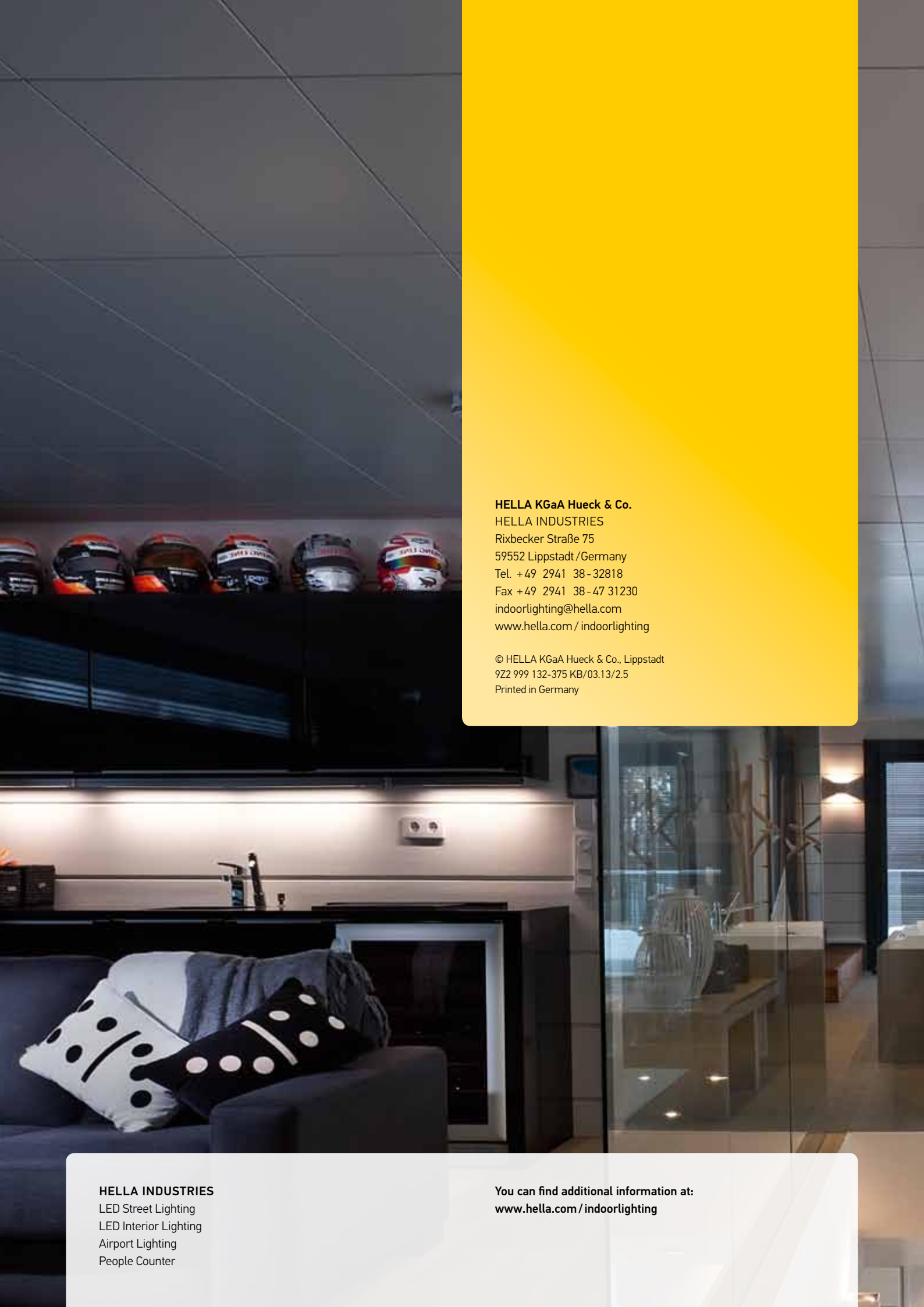
LEDs last many times longer than conventional illuminants. Efficient LEDs use only a fraction of the energy compared with traditional halogen and filament bulbs. LEDs are always a safe choice – they give off very little radiant heat, don't heat up, and contain extremely shatter-proof components. LED lights normally require a transformer since they work with extremely low voltage.

QUALITY GUARANTEE FROM HELLA

The LED lights in the Universal Design Spot series are energy efficient and innovative. With 20 years of experience in LED technology, HELLA is a pioneer in the development of vehicle lights (full-LED headlights).

We apply this know-how to the development of interior lights.

www.hella.com/indoorlighting



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LED Interior Lighting
Airport Lighting
People Counter

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