

Operating Manual

LED SPOTLIGHTS

Model number.: DTxx-DBTx-IBD744x



English Italiano
Deutsch Polski
Français Nederlands
Español Svenska

Thank you for choosing Scandinavian home spotlights. **If you have any questions, please contact our customer service, we are happy to help: contact@home-scandinavian.de**

Please read the following information carefully before installation. Keep the instructions for future reference.

Intended use

The luminaires are intended exclusively for operation on mains voltage (220-240 V AC, 50-60 Hz). Connection material such as junction boxes and connection terminals are not included.

Operate the luminaires indoors only and avoid the influence of high humidity, dust, vibrations - for more information, refer to the section 'Installation in the bathroom'. Avoid also exposure to heat or cold (greater than 50°C or less than -20°C). During operation, an ambient temperature of 40°C should not be exceeded. The luminaires are intended exclusively for mounting in ceilings. The luminaires are dimmable with trailing-edge dimmers.

The light source in the luminaire is replaceable by the end user. Replacements are available from our customer service.

Any use other than that described in this manual may result in personal injury, property damage or damage to the luminaires.

The pre-mounted optical element gives a light distribution in a beam angle of 65°. It can be removed for a more accentuated lighting. Without, the beam angle is 40°. To do this, turn the LED module slightly clockwise, remove it and take out the optical element before mounting the luminaire.

Installation in the bathroom

These luminaires are classified IP44 / IP20 (the addition "/ IP20" refers to the back and is unavoidable because the luminaires are tiltable). They may be used in bathrooms according to valid standards. However, there is, in addition to the mandatory residual current circuit breaker (FI/RCD tripping current ≤ 30 mA), one restriction: Directly above the shower and bathtub, the luminaires may only be used above a height of 225 cm, measured from the finished floor.

Installation regulations vary by region. Please contact your local electricity authority and make yourself familiar with the local regulations in your region.

Luminaires must be installed by a qualified electrician, who should know what is permissible.

Safety instructions and disclaimer

No liability is accepted for damage caused by improper use or non-observance of these instructions. In this case, there is also no claim for warranty.

Connection to mains voltage must be carried out by a qualified electrician.

The applicable accident prevention regulations must be complied with.

The basic rules are to be observed:

- Disconnect the circuit (switch off the circuit breaker and secure it against accidental reconnection, e.g. by placing a strip of adhesive tape over the circuit breaker)
- Determine the absence of voltage at all connections (using a suitable measuring device, check it for correct function beforehand)
- Grounding and short-circuiting
- Cover adjacent parts that are under voltage

Check the luminaire and connecting wire for possible damage before installation.

Never connect the luminaire immediately if it has previously been moved from a cold to a warm room. The resulting condensation can possibly destroy the luminaire. Allow the luminaire to come to room temperature before connecting it. This may take several hours.

The insulation of the luminaires corresponds to protection class II. Devices of protection class II must not be connected to the grounding conductor.

Store the luminaires only in a dry place.

The luminaires must never be operated in environments with flammable gases, vapours or dusts. There is a risk of fire and explosion.

During operation, the light source may heat up strongly and should therefore not be touched.

Do not open the luminaires, they do not contain any user-serviceable parts. Opening the luminaires poses a risk of electric shock.

If a luminaire should be defective, please contact our customer service. We are happy to help.

Never look directly into the switched-on luminaires. The high light intensity may cause eye damage.

In commercial facilities, the accident prevention regulations must be complied with.

Compatible dimmers

These luminaires can be operated with trailing-edge dimmers (dimmers for electronic loads). Leading-edge dimmers are not suitable.

The following dimmers have proven to be well suited in our tests:

1. Greenandco LED Dimmer gc-200 (very good dimming range, mounting with screws only, cover changeable, rotary dimmer)
2. Gira 2455 00 (smaller dimming range, mounting also with clamp claws, rotary dimmer, neutral conductor needed - otherwise high minimum brightness)
3. Shelly Dimmer 2 (best dimming range, for smart home, button not included, neutral conductor or Shelly Bypass needed)

Assembly

ATTENTION

Observe the safety instructions and the instructions for proper use!

The minimum distance between the luminaires and all other materials (ceiling structure, insulating material, steam barrier foil) must not be less than 20 mm, otherwise there is a risk of overheating and fire.

1. The ceiling cut-out should be 68 mm to 75 mm (ideally 70 mm) (luminaire outer diameter is 82 mm).
2. The blue connecting wire should be connected to the neutral conductor (N).
3. The brown connecting wire should be connected to the line conductor (L).

ATTENTION

During installation, the connecting wires must not be damaged under any circumstances. Check this before connecting the unit.

Connection terminals (e.g. Wago 221-413) are to be accommodated in an additional connection box with IP20 or higher, which must be equipped with strain relief for the connecting wires.

4. Lift the springs to the back and insert the luminaire into the ceiling cut-out. Push the luminaire further into the ceiling cut-out until it is even with the ceiling. Caution! The retaining springs can suddenly flip over and pull the luminaire against the ceiling. Therefore, do not grasp between the luminaire and the ceiling when inserting it. Danger of trapping!

5. Check that the luminaire is firmly fixed.

When using Wago clamps 221-413, two clamps are required for the connection of one luminaire. These clamps have the advantage that they are suitable for the flexible connecting wire of the luminaires and for rigid copper wire (cross-section 0.2 - 4 mm², strip 11 mm). The third connector can be used to connect another luminaire if necessary.

Cleaning and maintenance

ATTENTION

Before starting work, disconnect the luminaires from power (switch off the circuit breaker) and allow them to cool down.

Clean the surface only with a soft dry or damp cloth.

Do not use solvents or abrasive cleaners.

Disposal notice

Do not dispose of the luminaires in household waste.



Electronic equipment must be disposed of in accordance with local environmental regulations for waste disposal via the local collection points for electrical equipment.

Before handling in at a collection point for old devices, the light source must be removed from the luminaire. This can be done by turning it slightly counterclockwise.

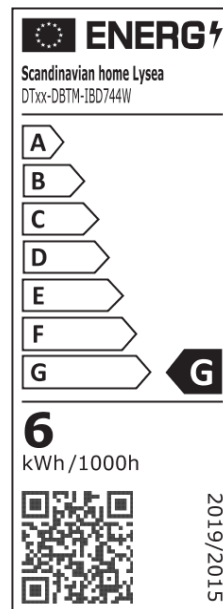
CE mark

By applying the CE mark, the manufacturer confirms compliance with all requirements of the applicable directives.

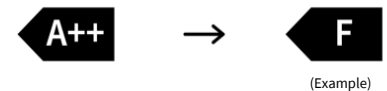
The CE mark is intended exclusively for the authorities and does not guarantee any performance characteristics.

Technical specifications

Dimmable	Yes (WarmDim)
Pivoting	Yes (±30°)
Wattage	5,8 W
Voltage	230 V~ 50 Hz
Colour Temperature	2100 - 3000 K
Luminous Flux (360° Sphere)	500 lm
Luminous Flux (90° Cone)	400 lm
Colour Rendering Index	CRI ≥ 90
Beam Angle (without / with Optical Element)	40° / 65°
Lifespan	25000 h
Outer Diameter	82 mm
Hole Diameter	68 - 75 mm
Installation Depth	35 mm
Ambient Temperature	max. ta = 40 °C
Distance to Insulation	min. 20 mm
Ingress Protection (front / rear)	IP44 / IP20
Protection Class	II
Material	Die-Cast Zinc



Note on the new EU energy label

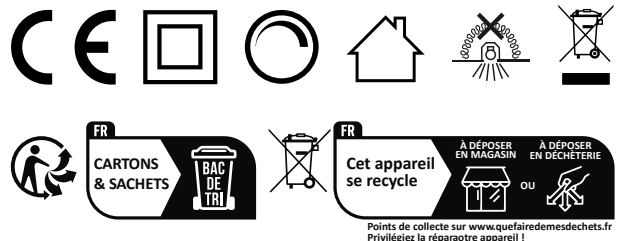


The new EU energy label applies from September 1, 2021. The previous plus classes have been abolished and changed to a classification from A-G. In addition, the measurement and evaluation procedure has been changed to make the label future-proof and future technologies comparable.

It may happen, for example, that a product that achieved class A++ according to the old energy label is now only classified as F. However, the product is still energy efficient since only the evaluation procedure has changed and not the product itself.

To compare reliably between the old and new energy labels even in the transition phase, we recommend comparing the power consumption (watts) and luminous flux (lumens).

Further information on the subject of energy efficiency can be found at: home-scandinavian.de/en/energy



home-scandinavian.de/en
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