

Effizienzklasse Lichtquelle
Efficiency class light source
Classe d'efficacité énergétique de la source lumineuse
Efficiëntieklasse lichtbron
Classe di efficienza della sorgente luminosa
Clase de eficiencia de la fuente de luz
Ljuskällans energiklass
Energiklasse lyskilde
Energieffektivitetsklasse for lyskilden

Deutsch

Dieses Produkt enthält eine Lichtquelle der Effizienzklasse E.
Aus wärmetechnischen und lichttechnischen Gründen sowie dem Schutz elektronischer Bauteile vor ESD (Electro Static Discharge) kann die Lichtquelle nicht vom Kunden gewechselt werden.

English

This product contains a light source of efficiency class E.
Due to thermal and photometric properties as well as to protect electronic components from ESD (electrostatic discharge) the light source cannot be changed by the customer.

Français

Ce produit comprend une source lumineuse de classe d'efficacité énergétique E.
Pour des raisons techniques liées à la chaleur et à l'éclairage, ainsi que pour protéger les composants électroniques contre la décharge électrostatique (DES), la source lumineuse ne peut pas être remplacée par le client.

Nederlands

Dit product bevat een lichtbron van efficiëntieklasse E.
Om warmtetechnische en lichttechnische redenen almede de bescherming van elektronische componenten tegen ESD (elektrostatische ontlading) kan de lichtbron niet door de klant worden gewisseld.

Italiano

Questo prodotto contiene una sorgente luminosa con classe di efficienza E.
Per ragioni tecniche di temperatura e illuminazione e la protezione dei componenti elettrici dall'ESD (Electro-Static Discharge), la sorgente luminosa non deve essere sostituita dal cliente.

Español

Este producto contiene una fuente de luz con clase de eficiencia E.
Por motivos térmicos y luminotécnicos, así como para proteger los componentes electrónicos contra descargas electrostáticas (ESD), no se permite al cliente cambiar la fuente de luz.

Svenska

Denna produkt innehåller en ljuskälla i energiklass E.
Av värme- och ljus tekniska skäl samt avseende skyddet av elektroniska komponenter mot elektrostatiska urladdningar (ESD) kan ljuskällan inte bytas av kunden.

Norsk

Dette produktet inneholder en lyskilde i energiklasse E.
Av varme- og lystekniske årsaker samt for å beskytte de elektroniske komponentene mot ESD (Electro Static Discharge), er det ikke mulig for kunden å skifte lyskilde.

Dansk

Dette produkt indeholder en lyskilde i energieffektivitetsklasse E.
Af varmetekniske og lystekniske samt for at beskytte de elektroniske komponenter mod ESD (electrostatic discharge/statiske udledninger) kan kunden ikke selv udskifte lyskilden.

Tesis New Wallwasher and upright

Mounting instructions



Size 3: max. 44°C
Size 4: max. 55°C
Size 5: max. 48°C
Size 7: max. 48°C

(Ta = 25°C)

1



Sizes 3/4: max. 20kN
Sizes 5/7: max. 50kN
Accessory housing required



All sizes: max. 20kN
Accessory mounting kit for hollow floors required

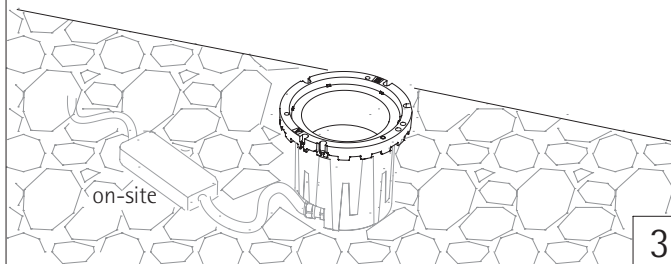


Only when mounted
in fixed housing (accessory)!

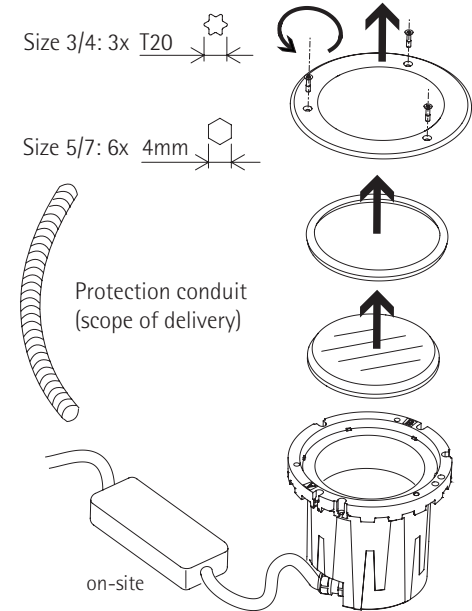
2



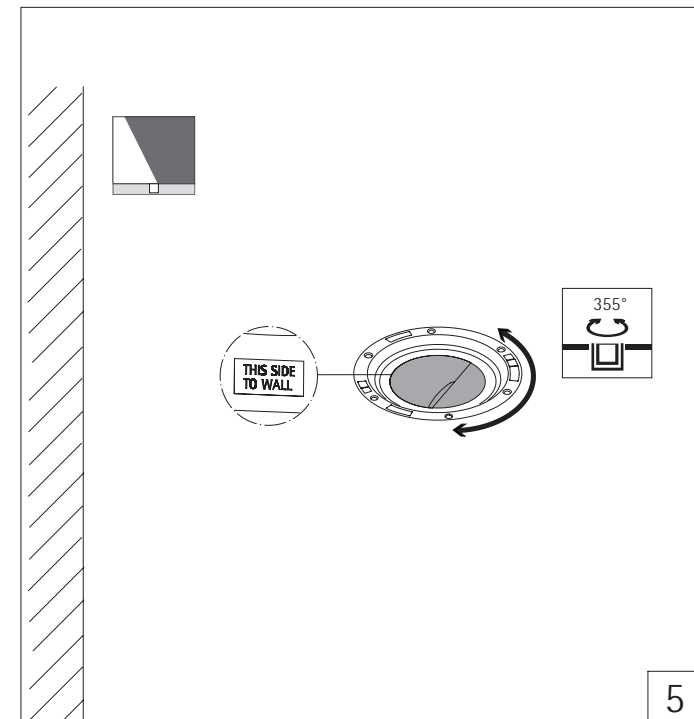
Install only with protection conduit!
Junction box on-site!
Only Flush mounting
versions possible



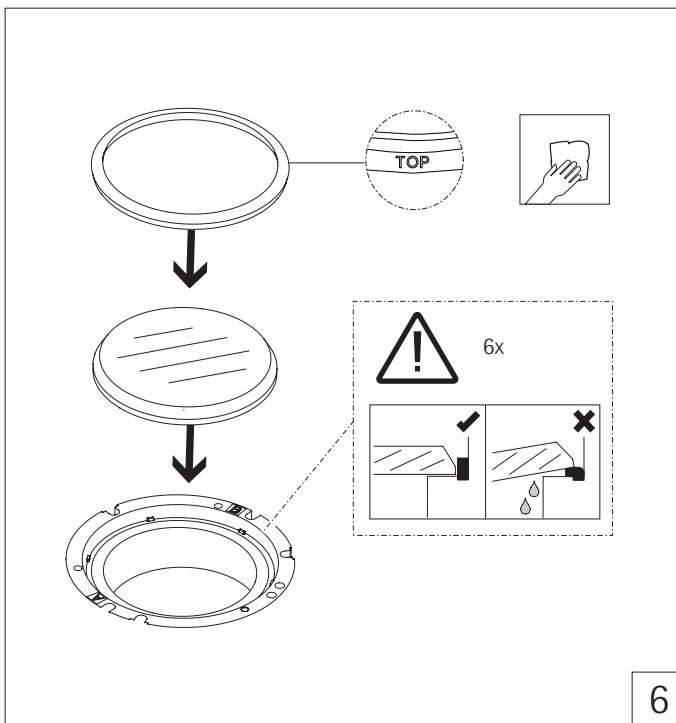
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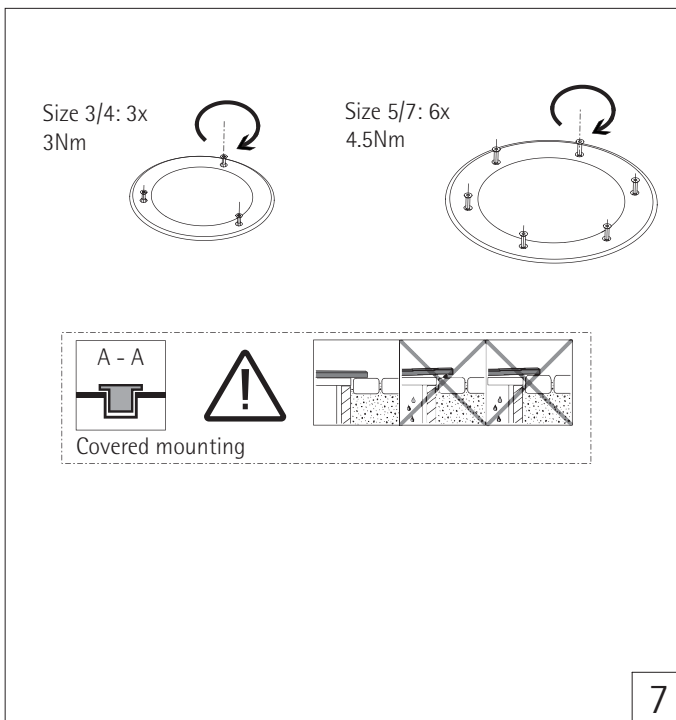
4



5



6



7

English

Please read these instructions carefully before installation and commissioning and hand over to the customer for retention.

General safety information

Warning! **Risk of electric shock!**

- Prior to maintenance and installation work on the luminaire, disconnect mains cables and any existing DALI control lines, secure them against being switched on again and check that they are voltage free.

- Operating luminaires with damaged connection cables or damaged protective glass is not permitted.

Attention!

When installing, always observe the national installation and accident prevention regulations.

Scope of delivery

Luminaire with free cable end, protective conduit

Intended use

- The luminaire is dust-tight and water pressure-tight. It is protected against splash water (IP65) and the consequences of permanent immersion in water up to a maximum depth of 3m (IP68 3m).

- The luminaire is suitable for outdoor use. It can be installed in the ground or, with approved accessories, in a hollow floor or in-ground housing. Approved accessories can be found in the luminaire data sheet.

- It is possible to walk on the luminaire; under certain conditions, you may drive over the luminaire.

Restrictions

Roll-over capability

- No steering movements, acceleration or braking should be carried out on the luminaire.

- To ensure that it is possible to drive over the luminaire mounted in the recessed housing, the housing must be screwed to a suitable foundation.

Maximum load

- The maximum permissible load of the luminaire or the accessories depends on the load-bearing capacity of the surface and the installation location. The permissible load for installation in the hollow floor and in the floor installation housing are shown in Fig. 2.

- Loads must not be applied with hard objects, either by impact or shock.

Choosing the mounting location

- When selecting the mounting location, observe the aforementioned points.

- Position the luminaire so as to avoid operation in direct sunlight or near other sources of heat. High ambient tempera-

tures can reduce the life and efficiency of the control gear or LED module.

- With the fixing set (accessory), the luminaire can be mounted in hollow floors, such as walkways or wooden terraces.

- Installation in the area of roadways is only permitted if the aforementioned restrictions are observed. Floor installation housing accessories required.

Caution! **Risk of accident!**

When installing on traffic routes, please note that there is an increased risk of slipping when the glass is wet.

Surface temperature of the protective glass

At an ambient temperature of 25°C, the surface temperature of the protective glass can reach a maximum of the values specified in Fig. 1.

Luminaire with DALI control gear

- All cables, materials and devices used must be suitable for mains voltage, as the DALI signal is not transmitted using safety extra low voltage (SELV).

- The DALI control lines and mains cable are basic insulated from each other. Maintaining the specified insulation barriers of the luminaire or device may also depend on components/products externally connected to the control bus. This is the responsibility of the control system designer and not the luminaire or device manufacturer.

Requirements for connection terminals

The luminaire is supplied with a free cable end. Observe the following notes and specifications for the electrical connection:

- 2-pole screw terminal or screwless terminal (standard), 4-pole screw terminal or screwless terminal (DALI)

- min. 250V / min. 1A

Assignment of the connection cable

Brown - phase

Blue - neutral

Black and grey - DALI

- The connection cable may be shortened. In this case, strip the wires and pre-treat them according to the terminal manufacturer's specifications.

- The terminal must be installed in an approved junction box or cast resin sleeve.

Mounting in the ground (Fig. 3)

1. Create a pit of a suitable size. The bottom of the pit must be load-bearing. Ensure adequate drainage.

2. Pull the supplied protective conduit over the connection cable.

3. Make the electrical connection via a connection terminal (on site) and a suitable cast resin sleeve or connection box (on site).

4. Insert the luminaire into the ground. On wallwashers, observe the "This Side to wall" labelling (Fig. 5).

Installation in hollow floor or floor-mounted housing
Accessories required. Follow the mounting instructions of the accessories!

Set up wallwashers

1. If not already done, open the luminaire (Fig. 4). Store disassembled parts in a clean place.

2. You may rotate the light insert. Observe the "This Side to wall" labelling (Fig. 5).

Close the luminaire

Assemble the parts in the sequence shown in Figs. 6 and 7.

Warning! **Risk of electric shock!**

The protection rating of the luminaire is only guaranteed when observing the following instructions:

- Sealing and mounting surfaces must be clean.

- The "Top" marking on the seal must point upwards (Fig. 6).

- The silicone spacers for centring the glass must not buckle during installation (Fig. 6).

- For overlapping installation, ensure that the cover ring lies fully on the luminaire and not on the surrounding floor. There must also be no foreign objects, such as stones, between the cover ring and the floor (Fig. 7).

- Tighten the cover ring screws crosswise. Observe the torques (Fig. 7).

Operating instructions

Replacement of LED modules

For reasons of operational safety, LED modules may only be replaced in the factory. If an LED module fails, the luminaire insert must be sent to the factory together with the control gear. The luminaire can also be sealed tightly without the luminaire insert.

Repair of the connection cable

In case of damage, the connection cable may be shortened. To change the connection cable, send the entire luminaire to the factory. Note: The connecting cable is longitudinally watertight and may only be replaced by the manufacturer.

Flashing of the LED module

It is normal for the LED module to flicker when switching on and off.

Cleaning

Always clean carefully using a soft cloth and a commercially available, ph-neutral, alcohol-free, non-abrasive cleaning agent.

Cleaning the luminaire insert

During normal operation, the inside of the luminaire cannot become dirty and does not need to be cleaned.

Warning! **Risk of electric shock!**

Switch off the mains supply and allow the luminaire to cool down before cleaning!

Disposal

In accordance with EU Directive WEEE (Waste Electrical and Electronic Equipment), luminaires must not be disposed of with other household waste. At the end of their life, luminaires must be taken to the appropriate local facility available for the disposal or recycling of electronic products.