



TECHNICAL
INSTALLATION
TAFELBERG

APPROVAL

| | NAME | SIGNATURE | POSITION | DATE |
|---------------|------|-----------|----------|------|
| PREPARED BY: | | | | |
| REVIEWERD BY: | | | | |
| APPROVED BY: | | | | |

1.1. TECHNICAL INFORMATION

1.1.1. Power data

| | |
|---------------------|--------------------------|
| RATED POWER | 70W |
| INPUT VOLTAGE RANGE | 200 – 240 VAC 50/60Hz |
| INPUT TYPE (AC/DC) | AC – Alternating current |
| CONNECTED POWER | 70 – 100W charging |
| POWER FACTOR | >0.9 |

1.1.2. LED data

| | |
|--------------------|--------------------------|
| LED BARND | CREE®, Luxeon® or Osram® |
| CCT | 3000 – 5000 Kelvin |
| CRI | ≥80 |
| LED RATED LIFETIME | 80 000 hours |

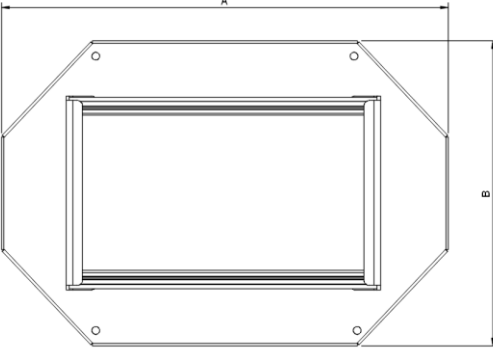
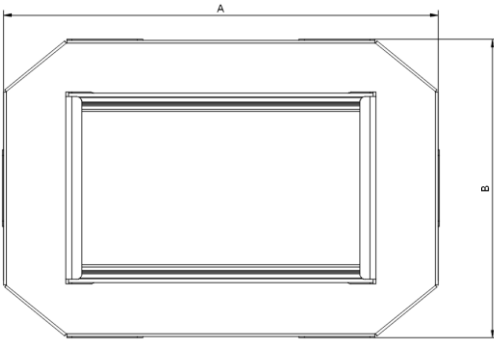
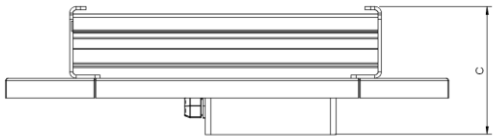
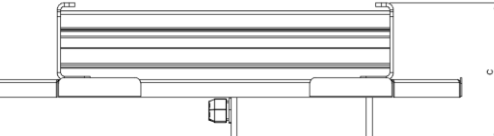
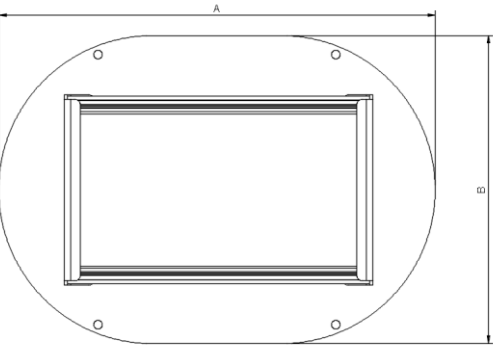
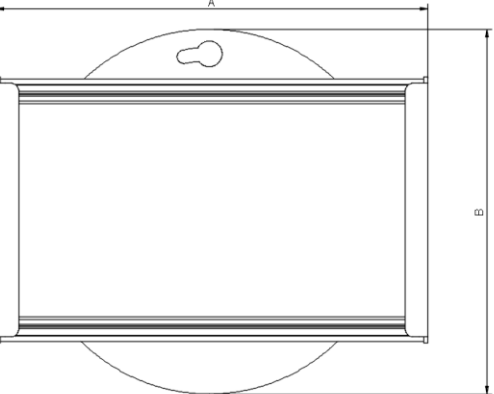
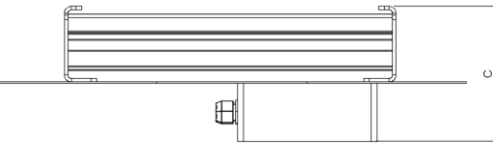
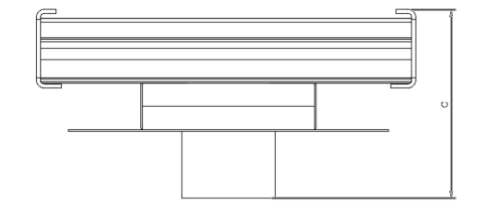
1.1.3. Emergency data

| | |
|------------------|--------------|
| BATTERY TYPE | Lithium-ion |
| OPERATION PERIOD | 1 or 4 hours |
| POWER | 24w |

1.1.4. Luminaire data

| | |
|-------------------|--------------------|
| IP RATING | IP65 |
| BEAM ANGLES | 120° |
| DIMMABILITY | none |
| MOUNTING POSITION | Retrofit baseplate |

1.1.5. Luminaire physical characteristics

| Product description Wattage and sizes | | | |
|---|-----------|--|-----------|
| | 70W - B40 | 70W - M44 | 70W - NOR |
| A (mm) | 407 | 400 | 404 |
| B (mm) | 277 | 275 | 285 |
| C (mm) | 120 | 120 | 120 |
| Weight (kg) | 3.5 | 3.5 | 3 |
| B40 | | M44 | |
|  | |  | |
|  | |  | |
| NOR | | M22 | |
|  | |  | |
|  | |  | |

1.2. INSTALLATION INSTRUCTION

1.2.1. Part number break down.

Part no. example. HB – 20 – C – D – B40 – 40D – C – 3

| LUMINAIRE DESCRIPTION | WATTAGE | CCT – COLOUR TEMPERATURE | COVER | BASE PLATE | COMPONENT USED |
|-----------------------|------------|---|-------------------------------------|--------------------------|---|
| HB – High Bay | 36w 70w | W – Warm white (3000K) N – Neutral white (4000K) C – Cool white (5000K) | D- Diffused UHI None – Clear UHI | B40 M44 NOR M22 | 40D – fixed CCR 7R5 – adjustable CCR |

1.2.2. Diagrams/drawings

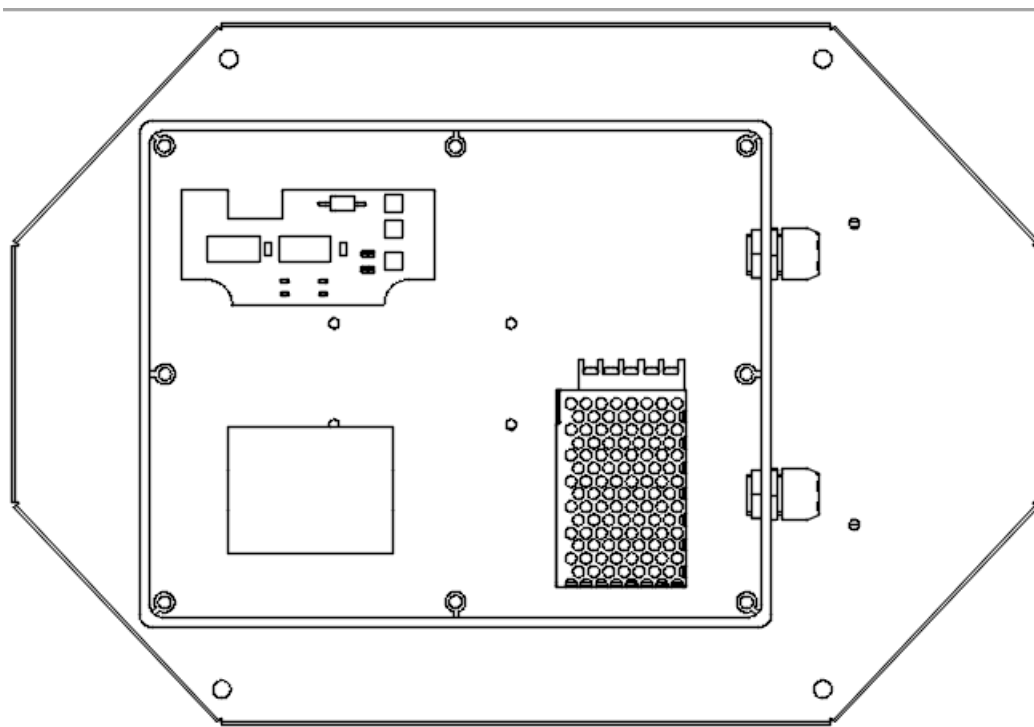


Figure 1 EME control gear

1.2.3. Installation instructions

The Installation must be carried out by a Qualified Electrician in compliance with the local code of practice.

Tools required:

Phillips head screwdriver No.2

Flathead screwdriver 5.5mm

10mm spanner or socket with wrench

Dependent on fasteners that will be used the tools may vary.

Step 1. Confirm main power supply is switched off.

Step 2. Remove old luminaire fitting from base plate.

Step 3. Open protection unit enclosure on the back of the new Tafel Berg luminaire.

Step 4. Connect main power supply to protection unit as shown in diagram above.

Step 5. Close protection unit enclosure on the back of the new Tafel Berg Luminaire.

Step 6. Fasten retrofit base plate to old base.

Step 7. Switch main power supply on.

Step 8. Test luminaire. The luminaire should switch on immediately without any warmup striking.