

## Lumistar ME-LED Projector

- Available sizes: 65, 80, 100, 125

### USE:

For application with screw sight glass. Combination of sight glass and light port, designed for round screw portholes in accordance with DIN 11851 or similar, DN 65 to DN 125.

Illumination of pipes, laboratory mixers, and the interiors of tanks, vats, agitators, and other typically sealed containers in non-explosive operational environments. Appropriate for food processing facilities.

### PROTECTION:

- When properly installed, dust-tight and safeguarded against splashing water, IP 65 in accordance with EN 60 529/DIN VDE 0470 Part 1.
- Maximum ambient temperature at the cable entry point: 40°C.
- Caution: Avoid direct eye contact with the light – Potential risk to your vision!

### Electrical specifications:

- Operating Voltage / Power:
- ME 65-LED and ME 80-LED: 12-24V DC – 1.5 W
- ME 100-LED and ME 125-LED: 24V AC/DC – 2 W
- Color temperature: 5000 K
- Luminous flux:
- 1.5 W = 104 lm
- 2.0 W = 170 lm
- Beam angle: 26° or 33°
- Transformers and electronic power supplies are available upon request.
- Integrated Switch: Lumistar ME-LED floodlights are available with or without an integrated push-button switch.



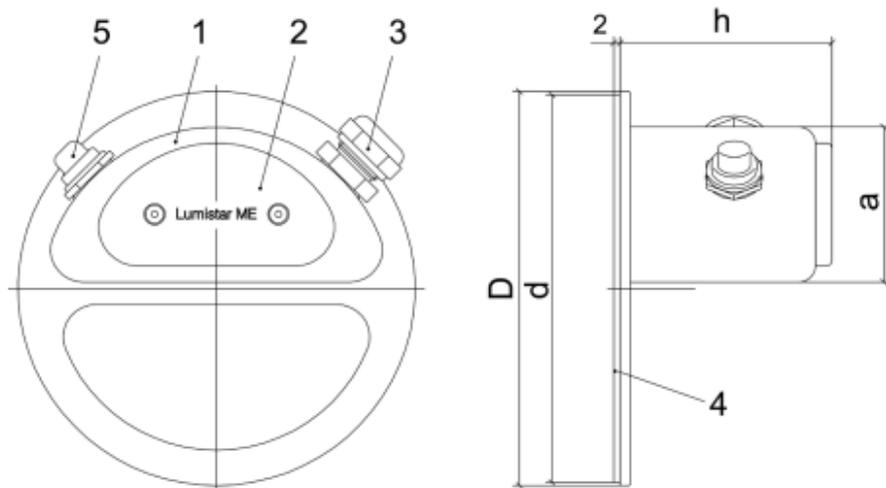
### MECHANICAL INSTALLATION:

- Please adhere to the specified tightening torque for the split nut cover (refer to the table).
- Loosen the slotted nut on the screw access point.
- Thread the slotted nut onto the connecting cable and the projector housing.
- Verify that the sight glass is properly aligned within the fitting.
- Align the projector by centering the alignment feature with the slotted nut.
- Secure the slotted nut against the welding adapter with the projector installed.

### ELECTRICAL CONNECTION:

- The Lumistar ME-LED floodlight is equipped with a 3 m heat-resistant connection cable (Lapptherm 105, rated for up to 90°C), pre-installed and ready for immediate use. Additional cable lengths can be provided upon request.
- The connection cable must be linked to the voltage source, ensuring that polarity is observed.
- **12-24 V DC: Brown (+), Blue (-), Green-yellow (ground)**
- **24 V AC/DC: Brown (-), Blue (-), Green-yellow (ground)**

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- 1. **Projector enclosure**
- 2. **Lid**
- 3. **Cable gland**
- 4. **Flanged ring seal**
- 5. **Press button**

| Size                                                                                          | /    | 1         | 2         | 3          | 4          |
|-----------------------------------------------------------------------------------------------|------|-----------|-----------|------------|------------|
| ME LED projector                                                                              | Type | ME 65-LED | ME 80-LED | ME 100-LED | ME 125-LED |
| Appropriate for screw porthole connections in accordance with DIN 11851 or similar standards. | DN   | 65        | 80        | 100        | 125        |
| Volt                                                                                          | In   | 12-24DC   | 12-24DC   | 24 AC/DC   | 24 AC/DC   |
| Power                                                                                         | IN   | 1.5       | 1.5       | 2          | 2          |
| Ø of the screw drilling circumference                                                         | D    | 89        | 102       | 122        | 152        |
|                                                                                               | d    | 86        | 99        | 119        | 149        |
|                                                                                               | a    | 35        | 35        | 48         | 48         |
|                                                                                               | h    | 50        | 50        | 65         | 65         |
| Nut opening in accordance with DIN 11851.                                                     | d8   | 80        | 94        | 115        | 138        |
| Approximate weight (kg)                                                                       | KG   | 0.340     | 0.360     | 0.460      | 0.480      |
| Color temperature                                                                             | K    | 5000      | 5000      | 5000       | 5000       |

**Options available upon request:**

Available with or without blood pressure monitoring

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