- Suitable for high (+55°C) and low (-50°C) temperatures
- Elevated degree of protection IP67
- IIB + H2 marking (hydrogen)
- Zones 1, 2, 21, 22

SLEE

- Hinge for opening lamp holder housing
- Tempered shockproof glass
- Ex e housing for terminal entries
- Supporting bracket

B.59
SLEE series floodlights have been specially designed for lighting large indoor and outdoor areas in hazardous zones. Thanks to their versatility and small size, they are the ideal solution for those seeking a balance of quality and value for money. Apart from being suitable for use in environments where there is hydrogen (H2) present, they are also certified with a high degree of mechanical protection (IP67) and guarantee a symmetrical and concentrated distribution of light. The symmetrical reflector makes sure that the light is spread symmetrically in all directions to provide uniform lighting. Electrical connection with the floodlight is made via a terminal board in a “Ex e” enclosure that allows the entry to the lighting fixture through a cable gland with an “Ex” O-ring (non barrier) as specified in the installation specification standards (EN/IEC 60079.14). As these units comply with international standards (IEC Ex), they can be installed anywhere in the world. SLEE series floodlights also comply with anti light pollution standards (Regional Law date 27 March 2000 N°17 – Article 6).

Application sectors:
- Oil refineries
- Chemical and petrochemical plants
- Onshore plants
- Offshore plants
- Perimeter lighting
- Anti light pollution
- Presence of hydrogen
- 100% Cortem product

CERTIFICATION DATA

Classificazione: Group II Category 2GD

Installation: EN 60079.14

zone 1 - zone 2 (Gas) zone 21 - zone 22 (Dust)

Marking: CE 07/22 II 2GD Ex de IIB + H2 T2/T3/T4 - Ex tD A21 IP 66/67

Certification: ATEX CESI 03 ATEX 200

IEC Ex CES 18.0003X

TR CU AVAILABLE

INMETRO AVAILABLE

All IEC Ex, TR CU and INMETRO certification data can be downloaded at www.cortemgroup.com

Standards:
- European Directive 2011/64 RoHS

Class temperature:
- 300°C (T2)
- 200°C (T3)
- 135°C (T4)

Ambient temperature:
- Standard (IIB+H2) -20°C +55°C
- Special (IIB) -50°C +55°C

Degree of protection: IP66/67

This equipment can be used in an environment containing explosive atmosphere and with the presence of hydrogen.
SLEE series Rectangular horizontal floodlights

MECHANICAL FEATURES

Body: Low copper content aluminium alloy
Glass face: Shock and high temperature resistant tempered glass
Gaskets: Silicone acid/hydrocarbon resistant
Internal reflector: Anodised aluminium
Supporting bracket: Galvanised steel
Mounting: 3 x Ø12 holes
Bolts and screws: Stainless steel
Entries: 2 x ISO M25 entries. Floodlight set with 1 x PLG2IG plug
Coating: Polyester coating Ral 7035 (Light grey)

The STANDARD of the aluminium alloy used by Cortem has passed the tests required by standards EN60068-2-30 (hot/humid cycles) and EN60068-2-11 (salt mist tests)

ELECTRICAL FEATURES

Lamp holder: E40 ceramic
Rated voltage: 230 V AC
Rated frequency: 50 Hz
Connection: Direct connection to the terminal board L, N, Pe. Section 4 mm², suitable for input/output
Wiring: Silicone rubber cables with glass braid insulation for high temperatures
Power factor: 0.96

ACCESSORIES AVAILABLE / SPECIAL REQUESTS

Discharge lamp
Different rated voltages
Cable gland: NAV25IB for armoured cable or NEV25IB for non-armoured cable
Angular orientation system
Reinforced supporting bracket for mounting on mobile structures
Frame for mounting floodlight on pole
## SLEE series dimensional drawings

<table>
<thead>
<tr>
<th>Code</th>
<th>Dimensions mm</th>
<th>Lamp type</th>
<th>Lamp holder</th>
<th>Watt</th>
<th>Class Ta +55 °C</th>
<th>Max Temp. superf. °C</th>
<th>Weight kg</th>
<th>mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLEE-40IM5</td>
<td>296 482 480 174 291</td>
<td>metal halide</td>
<td>E40</td>
<td>250</td>
<td>T3</td>
<td>165</td>
<td>26</td>
<td>550x350x540</td>
</tr>
<tr>
<td>SLEE-40IM6</td>
<td>296 482 480 174 291</td>
<td>metal halide</td>
<td>E40</td>
<td>400</td>
<td>T3</td>
<td>191</td>
<td>27</td>
<td>550x350x540</td>
</tr>
<tr>
<td>SLEE-40N5</td>
<td>296 482 480 174 291</td>
<td>high pressure sodium</td>
<td>E40</td>
<td>250</td>
<td>T3</td>
<td>168</td>
<td>26</td>
<td>550x350x540</td>
</tr>
<tr>
<td>SLEE-40N6</td>
<td>296 482 480 174 291</td>
<td>high pressure sodium</td>
<td>E40</td>
<td>400</td>
<td>T2 (T3 Ta+53°C)</td>
<td>201</td>
<td>27</td>
<td>550x350x540</td>
</tr>
</tbody>
</table>

### SLEE-40 floodlight kits with 400 W ballast are supplied as standard with a separate enclosure housing starter and capacitor.

![Diagram of SLEE-40 floodlight](image)

Dimensions in mm

---

**Example:**

- **SLEE-40N5**
- **Lamp LAMPNAV400W**
- **Cable gland NAV25IB**
- **other ...see key**

---

**DON’T FORGET TO ORDER THE ACCESSORIES**

**ED.2020**
<table>
<thead>
<tr>
<th>ILLUSTRATION</th>
<th>DESCRIPTION</th>
<th>MODEL</th>
<th>FEATURES</th>
<th>CODE</th>
<th>KEY</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="High pressure sodium vapour lamp" /></td>
<td>High pressure sodium vapour lamp</td>
<td>E40</td>
<td>250 W (ST250W) 400 W (ST400W)</td>
<td>LAMPNAV250WPLU</td>
<td></td>
</tr>
<tr>
<td><img src="image2" alt="Metal halide lamp" /></td>
<td>Metal halide lamp</td>
<td>E40</td>
<td>230 W (MT250W) 360 W (MT400W)</td>
<td>LAMP230WJMT; LAMP360WJMT</td>
<td></td>
</tr>
<tr>
<td><img src="image3" alt="Reinforced supporting bracket" /></td>
<td>Reinforced supporting bracket for mounting on mobile structures</td>
<td>SLEE-40</td>
<td>Material: galvanised steel</td>
<td>G-418/1</td>
<td></td>
</tr>
<tr>
<td><img src="image4" alt="Cable gland" /></td>
<td>Cable gland</td>
<td>ISO M25</td>
<td>For models and codes, visit <a href="http://www.cortemgroup.com">www.cortemgroup.com</a></td>
<td>NAV25IB; NEV25IB</td>
<td></td>
</tr>
<tr>
<td><img src="image5" alt="Front ring with glass" /></td>
<td>Front ring with glass</td>
<td>SLEE-40</td>
<td>Material: In copper free aluminium with tempered glass front</td>
<td>G400-0322</td>
<td></td>
</tr>
<tr>
<td><img src="image6" alt="Supporting bracket" /></td>
<td>Supporting bracket</td>
<td>SLEE-40</td>
<td>Material: galvanised steel</td>
<td>G-418</td>
<td></td>
</tr>
<tr>
<td><img src="image7" alt="Angular orientation system" /></td>
<td>Angular orientation system fitted to supporting bracket (locking point every 15°)</td>
<td></td>
<td>Material: stainless steel</td>
<td>G-604</td>
<td></td>
</tr>
<tr>
<td><img src="image8" alt="Frame for mounting floodlight on pole" /></td>
<td>Frame for mounting floodlight on pole</td>
<td></td>
<td>Material: galvanised steel</td>
<td>G-0534</td>
<td></td>
</tr>
<tr>
<td><img src="image9" alt="Sodium vapour and metal halide ballast" /></td>
<td>Sodium vapour and metal halide ballast</td>
<td>250W IM5 400W IM6 250W N5 400W N6</td>
<td>230V 50Hz</td>
<td>R-250NA; R-400; R-250NA; R-400NA</td>
<td></td>
</tr>
<tr>
<td><img src="image10" alt="Ceramic lamp holder" /></td>
<td>Ceramic lamp holder</td>
<td>E40</td>
<td>750V - 16A</td>
<td>PORT.E40</td>
<td></td>
</tr>
</tbody>
</table>
Ex de

Ex de

On Cortem Group web site you can download .LDT and .IES lighting data files for the design and simulation of lighting levels in 2D and 3D, rendering and ray tracing.

<table>
<thead>
<tr>
<th>ILLUSTRATION</th>
<th>DESCRIPTION</th>
<th>MODEL</th>
<th>FEATURES</th>
<th>CODE</th>
<th>KEY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Capacitor for sodium vapour</td>
<td>250 W</td>
<td>35μF 250V</td>
<td>F-35</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>400 W</td>
<td>50μF 250V</td>
<td>F-50</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Capacitor for metal halide</td>
<td>250 W</td>
<td>30μF 250V</td>
<td>F-30</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>400 W</td>
<td>40μF 250V</td>
<td>F-40</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Igniter</td>
<td>250 W</td>
<td>100-400 W</td>
<td>R100</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>400 W</td>
<td></td>
<td>R100P</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reflector</td>
<td>SLEE-40</td>
<td>Material:</td>
<td>G-726</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>anodised aluminium</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

On Cortem Group web site you can download .LDT and .IES lighting data files for the design and simulation of lighting levels in 2D and 3D, rendering and ray tracing.