LED Light Units for Line Scan Applications

HLND Series

Main Features Inherited from Previous Models

- **LED Color:** White or Red
- **Compact:** 35-mm Width
- **Saves Space:**
- **Max. Length:** 2,700 mm

Changes to Model Names

The model names have changed. Select models from the lists on the right.

Technical Data

Typical Examples

**Illuminance – LWD Characteristic—**

- LWD: Light Working Distance (the distance from the emitting surface of a Light Unit to the workplace)

- **HLND-500SW2-T** (model for transmitted illumination)
- **HLND-500RD-R** (model for reflected illumination)
- **HLND-500RD-T** (model for transmitted illumination)

**Uniformity (Model for Transmitted Illumination)**

- **White** Luminance Distribution of HLND-500SW2-TT

* The values given here are for reference only. Results for individual Units may vary.*

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### Specifications

The specifications are the same as those of the previous models.

<table>
<thead>
<tr>
<th>Model</th>
<th>HLND-DDDSW2-TT</th>
<th>HLND-DDDSW2-RR</th>
<th>HLND-DDDORD-TT</th>
<th>HLND-DDDORD-RR</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED color</td>
<td>White (SW2)</td>
<td>Red (RD)</td>
<td>White (SW2)</td>
<td>Red (RD)</td>
</tr>
<tr>
<td>Type</td>
<td>Transmitted Illumination (TI)</td>
<td>Reflected Illumination (RI)</td>
<td>Transmitted Illumination (TI)</td>
<td>Reflected Illumination (RI)</td>
</tr>
<tr>
<td>Temperature/</td>
<td>6,500 K (typ.)</td>
<td>624 nm (typ.)</td>
<td>6,500 K (typ.)</td>
<td>624 nm (typ.)</td>
</tr>
<tr>
<td>Peak wavelength</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Case material**: Aluminum alloy
- **Connector**: Metal Connector (SRCN2A16-7P)
- **Polarity and signals**: 1, 2, and 3: +; 4, 5, and 6: –; 7: NC
- **Spelling environment**: Temperature: 0 to 40°C; Humidity: 20% to 85% RH (with no condensation)
- **Storage environment**: Temperature: -20 to 60°C; Humidity: 20% to 85% RH (with no condensation)
- **Certification**: Conforms to safety standard EN 62471. RoHS compliant
- **Cooling method**: Natural air cooling
- **Spectral distribution**: Emitting surface length (TI) / Reflected illumination (RI)

**Dimensions (mm)**

- **HLND-DDDSW2-TT/RR**
  - Emitting surface length: 100 to 2,700 (emitting surface)
  - Overall length: A + 56.3

- **HLND-DDDORD-TT/RR**
  - Emitting surface length: A + 56.3
  - Overall length: B + 4.5

- **Model**
  - HLND-100: 100 mm
  - HLND-300: 300 mm
  - HLND-600: 600 mm
  - HLND-900: 900 mm
  - HLND-1200: 1,200 mm
  - HLND-1500: 1,500 mm
  - HLND-1800: 1,800 mm
  - HLND-2100: 2,100 mm
  - HLND-2400: 2,400 mm
  - HLND-2700: 2,700 mm

<table>
<thead>
<tr>
<th>Model</th>
<th>Emitting surface length (Cm)</th>
<th>Power consumption (max.)</th>
<th>Weight (max.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>White (SW2)</td>
<td>Red (RD)</td>
<td></td>
</tr>
<tr>
<td>HLND-100</td>
<td>100 mm</td>
<td>10 W</td>
<td>4.8 W</td>
</tr>
<tr>
<td>HLND-300</td>
<td>300 mm</td>
<td>30 W</td>
<td>14 W</td>
</tr>
<tr>
<td>HLND-600</td>
<td>600 mm</td>
<td>60 W</td>
<td>29 W</td>
</tr>
<tr>
<td>HLND-900</td>
<td>900 mm</td>
<td>91 W</td>
<td>43 W</td>
</tr>
<tr>
<td>HLND-1200</td>
<td>1,200 mm</td>
<td>107 W</td>
<td>58 W</td>
</tr>
<tr>
<td>HLND-1500</td>
<td>1,500 mm</td>
<td>133 W</td>
<td>72 W</td>
</tr>
<tr>
<td>HLND-1800</td>
<td>1,800 mm</td>
<td>160 W</td>
<td>86 W</td>
</tr>
<tr>
<td>HLND-2100</td>
<td>2,100 mm</td>
<td>186 W</td>
<td>101 W</td>
</tr>
<tr>
<td>HLND-2400</td>
<td>2,400 mm</td>
<td>213 W</td>
<td>115 W</td>
</tr>
<tr>
<td>HLND-2700</td>
<td>2,700 mm</td>
<td>240 W</td>
<td>130 W</td>
</tr>
</tbody>
</table>

For product improvement, specifications and designs are subject to change without notice.

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**NOTICE**

- Carefully read the product’s Instruction Guide before use to ensure correct operation.
- For product improvement, specifications and designs are subject to change without notice.

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**CCS Inc.**

**Headquarters**
Shimodachiuri-agaru, karasuma-dori, kamigyo-ku, Kyoto 602-8011 JAPAN
TEL: +81-75-415-8284 / FAX: +81-75-465-8278
URL: http://www.ccs-grp.com/
E-mail: sales@ccs-inc.co.jp

**CCS Europe NV/SA**
Bergenseestraatweg 423, Bus 13
1600 Sint-Pieters-Leeuw, Belgium
TEL: +32-(0)-2)333-0080 / FAX: +32-(0)-2)333-0081
Email: info@ccseu.com

**CCS Inc. Shanghai office**
17B, China Economic Trade Building, 7Rd Zhizhu, Zhuzhlin, Futian District, Shenzhen 518040 P.R.China
Email: ccschina@ccs-inc.co.jp

**CCS Inc.**

**CCS America, Inc**
5 Burlington Woods Suite 204 Burlington, MA 01803 USA
URL: http://www.ccsamerica.com
Email: info@ccsamerica.com

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