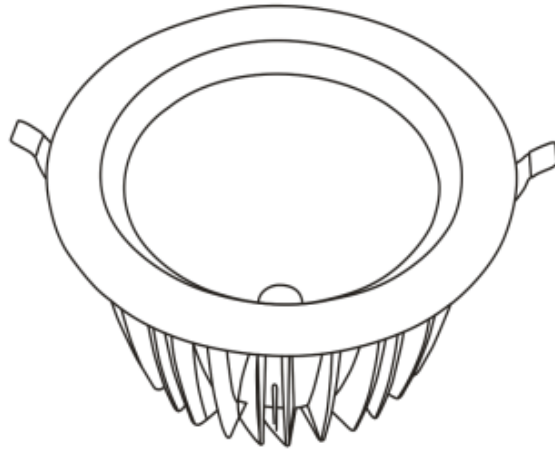


# **HYUNDAI**

L I G H T I N G



## **COB Downlight**

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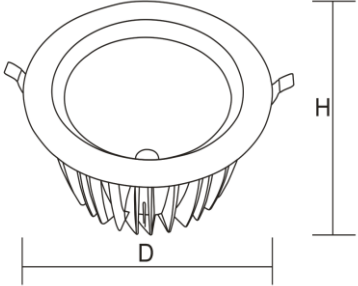
**10W**

**6500K**

**Technical Datasheet**

|                     |              |    |  |
|---------------------|--------------|----|--|
| Product Description | HDL-10W-6.5K | ID |  |
|---------------------|--------------|----|--|

**A、 Appearance Description**

|  <p style="text-align: center;">φ120*65mm</p> | Component No. | Component Name | Material Technics    | Color Effect | Remark |
|--|---------------|----------------|----------------------|--------------|--------|
|  | 1             | Ring           | Die casting Aluminum | White        |        |
|  | 2             | Heatsink       | Die casting Aluminum | Dark gray    |        |
|  | 3             | Glass          | Glass                | Clear        |        |
|  | 4             | Spring         | Steel+Plastic        | Silver+Black |        |
|  | 5             | Driver         | PC                   | White        |        |
|  | 6             | Reflector      | Aluminum             | Shining      |        |
|  |               |                |                      |              |        |

**B、 Structure**

| Parameter   | Units | Min             | Rating | Max | Remark |
|---|-------|-----------------|--------|-----|--------|
| Weight  | g     |                 |        |     |        |
| Surface Treatment   | -     | glass           |        |     |        |
| Driver  | -     | Isolated Driver |        |     |        |
| External Wire Diameter, Insulation Material And Temperature | -     | Wired           |        |     |        |
| Producted Grade   | -     | IP20            |        |     |        |
| Installation Method   | -     | Recessed        |        |     |        |

**C、 Product Certificate**

|           |                   |   |  |
|-----------|-------------------|---|--|
| Standards | ■ IEC60598 Series | <input type="checkbox"/> UL1598         | <input type="checkbox"/> GB7000 Series |
|           | ■ IEC61347 Series | <input type="checkbox"/> UL1310         | <input type="checkbox"/> GB19510       |
|           | ■ IEC62031 Series | <input type="checkbox"/> FCC 47 part 15 | <input type="checkbox"/> GB/T20145     |
|           | ■ IEC62471        | <input type="checkbox"/> CISPR15        | <input type="checkbox"/> ROHS          |
|           | ■ EN61000-3-2/3   | ■ IEC61547                              |  |

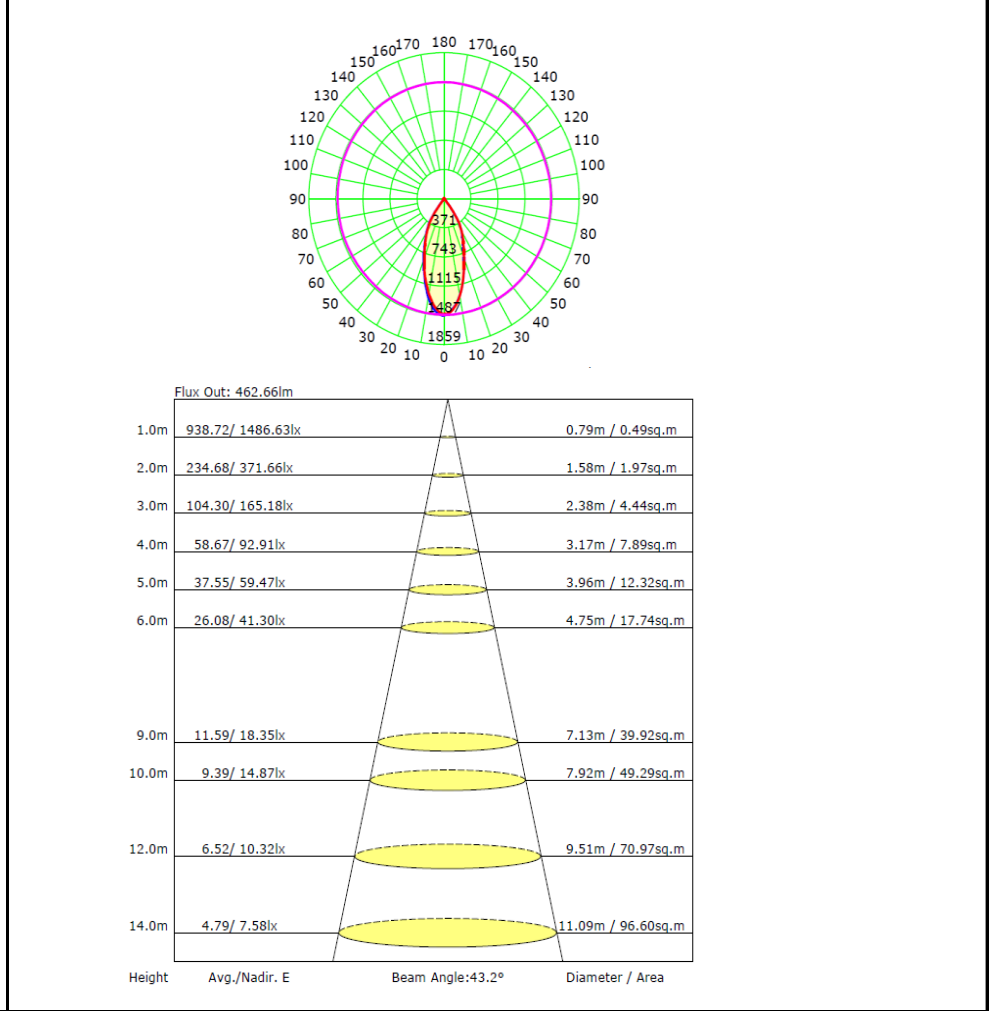
| D、 Electronic Data    |       |     |         |      |            |
|-----------------------|-------|-----|---------|------|------------|
| Parameter             | Units | Min | Rating  | Max  | Remark     |
| Supply Voltage        | V     | 220 | 230     | 240  |            |
| Supply Frequency      | Hz    |     | 50/60Hz |      |            |
| Supply Current        | mA    | 88  | 93      | 97.5 |            |
| Power Consumption     | W     | 9   | 10      | 12.6 |            |
| Power Factor          | -     |     | 0.6     |      |            |
| THD                   | %     |     |         | 12   |            |
| Flickering            | %     |     |         |      | No flicker |
| LED Driver Current    | mA    | 285 | 300     | 315  |            |
| LED Driver Voltage    | V     | 30  | 42      | 42   |            |
| LED Driver Efficiency | %     | 80  |         |      |            |
| Work Temperature      | °C    | -20 |         | 60   |            |
| Storage Temperature   | °C    | -20 |         | 50   |            |

| E、 Light Source Date |   |           |
|----------------------|---|-----------|
| LED Model            | - | COB       |
| LED Vendor           | - | Bridgelux |
| LM80 Report          | - | Yes       |

| D、 Electronic Data      |       |     |        |     |        |
|-------------------------|-------|-----|--------|-----|--------|
| Parameter               | Units | Min | Rating | Max | Remark |
| Luminous Flux-6500k±10% | lm    | 970 | 1000   |     |        |
| Max Luminous Intensity  | cd    |     |        |     |        |
| Beam Angle              | °     |     | 45     |     |        |
| Luminous Efficacy       | lm/W  |     | 100    |     |        |
| SDCM                    | -     |     |        | 5   |        |
| CRI                     | -     |     | 80     |     |        |

|                         |                    |        |      |  |               |
|-------------------------|--------------------|--------|------|--|---------------|
| Dominant Wavelength     | nm                 |        |      |  |               |
| Light Radiation Grade   | —                  |        |      |  |               |
| Chromaticity Coordinate | ■ CIE □ ANSI □ JIS |        |      |  |               |
| Color Temperature       | K                  |        | 6500 |  |               |
| Lumen Maintenance       | %                  | L80B10 |      |  |               |
| Dimming Range           | %                  |        |      |  | None-dimmable |

Light Distribution Curve



D、 Electronic Data

| Parameter                          | Units | Rating/Working Condition | Remark |
|------------------------------------|-------|--------------------------|--------|
| Lifetime                           | hrs   | 50000                    |        |
| Number of Switching Cycles         | Times | 25000                    |        |
| Starting Time                      | s     | <0.55                    |        |
| Ability Test                       | -     | PASS                     |        |
| High-low Temperature Cycle Test    | -     | PASS                     |        |
| High Temperature and Humidity Test | -     | PASS                     |        |