

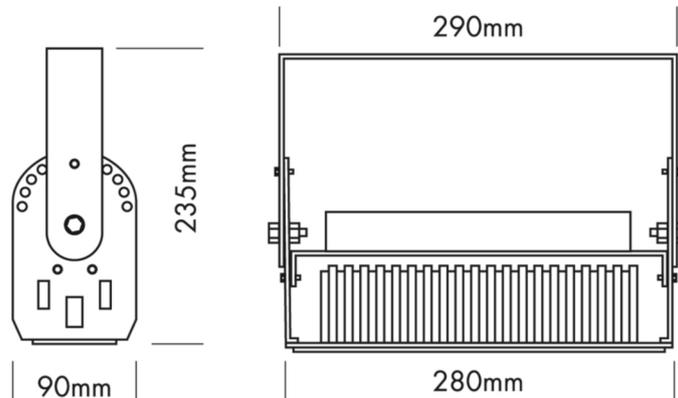
## Data sheet

L711F164 - High Bay Floodlight Standard 70 - 60deg

**PROLED**<sup>®</sup>

Article name: High Bay Floodlight Standard 70 - 60deg

Article number: L711F164



### Article description:

LED high bay luminaire for factory buildings, production halls, assembly halls, storage buildings, sales areas, exhibition spaces, ...

### Technical:

**Mounting type:** Surface-mounted on ceiling

**Adjustability:** Tilttable

**Controllability:** None

**Safety:** IP65

**Temperature range:** -10...45 °C

**Lifetime:** 50.000 h at L80B10

### Electric:

**System power:** 80 W

**Current:** 100-240 V

**Safety class:** 1

**EEL:** A++ - A

**UGR:** 25.06

### Shape and dimensions:

**Length:** 290 mm

**Width:** 90 mm

**Height:** 235 mm

**Weight:** 2.5 kg

### Light output 1 (LED 5700K - CRI 80):

**Lamp type:** LED

**Lamp power:** 80 W

**Total luminous flux:** 9500 lm

**Light efficiency:** 118.8 lm/W

**CCT:** 5700 K

**CRI:** 80

**Light distribution:** (Symmetrical) Wide flood (half value angle 45°...125°)

Status 08.12.2020

Technical amendments and errors reserved.

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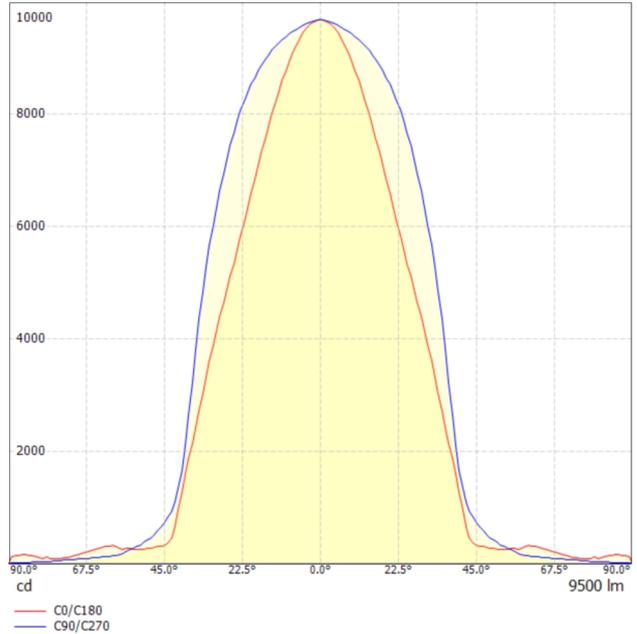
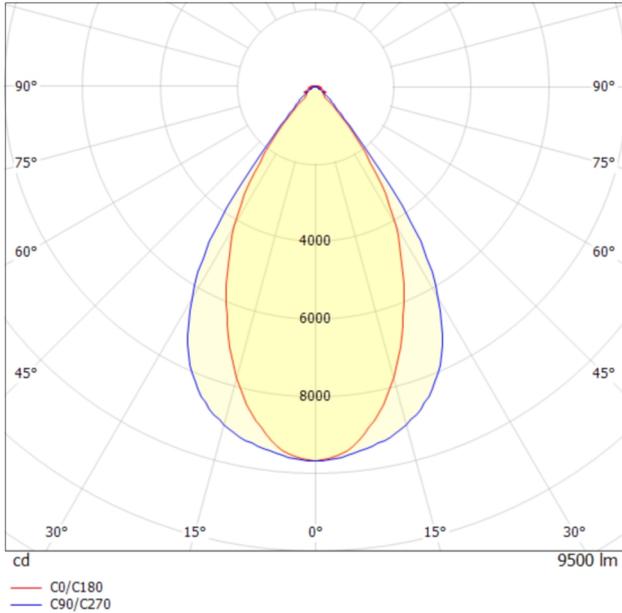
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# Data sheet

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| Distance | Cone diameter | Beam diameter | E(0°) | E(C90) | E(C0) | Illuminance   |
|----------|---------------|---------------|-------|--------|-------|---------------|
| 0.5      | 0.67<br>0.51  | 0.67<br>0.51  | 32085 | 34.0°  | 27.1° | 9164<br>11356 |
| 1.0      | 1.35<br>1.02  | 1.35<br>1.02  | 8021  | 34.0°  | 27.1° | 2291<br>2839  |
| 1.5      | 2.02<br>1.54  | 2.02<br>1.54  | 3565  | 34.0°  | 27.1° | 1018<br>1262  |
| 2.0      | 2.70<br>2.05  | 2.70<br>2.05  | 2005  | 34.0°  | 27.1° | 573<br>710    |
| 2.5      | 3.37<br>2.56  | 3.37<br>2.56  | 1283  | 34.0°  | 27.1° | 367<br>454    |
| 3.0      | 4.05<br>3.07  | 4.05<br>3.07  | 891   | 34.0°  | 27.1° | 255<br>315    |

Distance Cone diameter Illuminance

— C0/C180 (Half-peak divergence: 54.2°)  
— C90/C270 (Half-peak divergence: 68.0°)

### Glare evaluation according to UGR

| Observer position | 70   | 70   | 50   | 50   | 30   | 30   | 70                                      | 70   | 50   | 50   | 30   | 30   |  |
|-------------------|--|------|------|------|------|------|---|------|------|------|------|------|--|
| ρ Ceiling         | 50   | 30   | 50   | 30   | 30   | 50   | 30                                      | 50   | 30   | 50   | 30   | 30   |  |
| ρ Walls           | 20   | 20   | 20   | 20   | 20   | 20   | 20                                      | 20   | 20   | 20   | 20   | 20   |  |
| ρ Floor           | 20   | 20   | 20   | 20   | 20   | 20   | 20                                      | 20   | 20   | 20   | 20   | 20   |  |
| Room size         | Viewing direction at right angles to lamp axis |      |      |      |      |      | Viewing direction parallel to lamp axis |      |      |      |      |      |  |
| X                 | Y  |      |      |      |      |      |   |      |      |      |      |      |  |
| 2H                | 2H   | 23.4 | 24.2 | 23.7 | 24.4 | 24.6 | 24.8                                    | 25.5 | 25.1 | 25.8 | 26.0 | 26.0 |  |
| 2H                | 3H   | 23.9 | 24.6 | 24.2 | 24.8 | 25.1 | 24.8                                    | 25.5 | 25.1 | 25.8 | 26.0 | 26.0 |  |
| 2H                | 4H   | 24.0 | 24.7 | 24.3 | 24.9 | 25.2 | 24.8                                    | 25.5 | 25.2 | 25.8 | 26.0 | 26.0 |  |
| 2H                | 6H   | 24.3 | 24.9 | 24.6 | 25.2 | 25.5 | 24.8                                    | 25.4 | 25.2 | 25.7 | 26.0 | 26.0 |  |
| 2H                | 8H   | 24.5 | 25.1 | 24.9 | 25.4 | 25.7 | 24.8                                    | 25.4 | 25.2 | 25.7 | 26.0 | 26.0 |  |
| 2H                | 12H  | 25.2 | 25.7 | 25.6 | 26.1 | 26.4 | 24.8                                    | 25.4 | 25.2 | 25.7 | 26.0 | 26.0 |  |
| 4H                | 2H   | 23.4 | 24.1 | 23.8 | 24.4 | 24.6 | 24.7                                    | 25.4 | 25.1 | 25.6 | 25.9 | 26.0 |  |
| 4H                | 3H   | 24.0 | 24.6 | 24.4 | 24.9 | 25.2 | 24.8                                    | 25.4 | 25.2 | 25.7 | 26.0 | 26.0 |  |
| 4H                | 4H   | 24.2 | 24.7 | 24.6 | 25.1 | 25.4 | 24.9                                    | 25.4 | 25.3 | 25.7 | 26.1 | 26.1 |  |
| 4H                | 6H   | 24.6 | 25.0 | 25.0 | 25.4 | 25.8 | 25.0                                    | 25.4 | 25.4 | 25.7 | 26.1 | 26.1 |  |
| 4H                | 8H   | 25.1 | 25.4 | 25.5 | 25.8 | 26.2 | 25.0                                    | 25.4 | 25.4 | 25.8 | 26.2 | 26.2 |  |
| 4H                | 12H  | 26.0 | 26.3 | 26.5 | 26.7 | 27.2 | 25.0                                    | 25.4 | 25.5 | 25.8 | 26.2 | 26.2 |  |
| 8H                | 4H   | 24.3 | 24.6 | 24.7 | 25.0 | 25.4 | 24.9                                    | 25.3 | 25.3 | 25.7 | 26.1 | 26.1 |  |
| 8H                | 6H   | 24.8 | 25.1 | 25.3 | 25.5 | 26.0 | 25.0                                    | 25.3 | 25.5 | 25.8 | 26.2 | 26.2 |  |
| 8H                | 8H   | 25.4 | 25.6 | 25.9 | 26.1 | 26.6 | 25.1                                    | 25.4 | 25.6 | 25.8 | 26.3 | 26.3 |  |
| 8H                | 12H  | 26.7 | 26.9 | 27.2 | 27.4 | 27.9 | 25.3                                    | 25.5 | 25.8 | 26.0 | 26.5 | 26.5 |  |
| 12H               | 4H   | 24.2 | 24.6 | 24.7 | 25.0 | 25.4 | 24.9                                    | 25.2 | 25.3 | 25.6 | 26.1 | 26.1 |  |
| 12H               | 6H   | 24.8 | 25.1 | 25.3 | 25.5 | 26.0 | 25.1                                    | 25.3 | 25.6 | 25.8 | 26.3 | 26.3 |  |
| 12H               | 8H   | 25.5 | 25.7 | 26.0 | 26.2 | 26.7 | 25.2                                    | 25.4 | 25.7 | 25.9 | 26.4 | 26.4 |  |

| Variation of the observer position for the luminaire distances S |             |  |             |
|--|-------------|--|-------------|
| S = 1.0H   | +1.9 / -1.1 |  | +4.0 / -3.1 |
| S = 1.5H   | +3.9 / -1.3 |  | +6.6 / -3.8 |
| S = 2.0H   | +5.6 / -1.6 |  | +8.6 / -4.4 |
| Standard table   | ---         |  | BK01        |
| Correction summand   | ---         |  | 7.2         |

Correction glare indices referring to 9500lm total luminous flux

Status 08.12.2020

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