

CELL

DOUBLEPOWER!! CELL

HIGH EFFICACY

NO GLARE

DOUBLEPOWER!! LED LINEAR LIGHT CELL

- Luminous flux efficacy up to 165 lm/W
- Extremely low glare factor
- Various power variations and lighting characteristics + combinations
- Designed for complete light rows, various busbar and installation systems
- L80B10 = 80 000 hours
- IP20
- 8 year warranty

doublepower!!
industrial lighting | intelligent | efficient



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Lighting for commercial, retail, clean logistics and other operations.

Main features

- Its design and lighting characteristics ensure highly uniform illumination and minimum loss beyond the illuminated area
- Luminous flux efficacy up to 165 lm/W at Ta +45°C
- Extremely low glare factor
- Modularity – power variations – series connection modules (1-8 modules in a row)
- Variability – HO and HE designs (see further) and a full series of lighting characteristics and combination options
- L80B10 > 80 000 hours at Ta +45°C
- IP20
- Transparent and opaque cover options
- Special frame available for a significantly lower glare factor
- Connector / through connection / bushing
- Easy and quick installation, available for use with busbar systems

Modularity and variability for maximum luminous efficacy for all of your lighting needs

Doublepower!! luminaire CELL comes in HE (maximum luminous flux efficacy) and HO (maximum flux from light) designs. The luminaire is highly modular given its series connection modules and is available in 8 power variations (1 through 8 modules) for HE and HO designs. A full line of lighting characteristics can be used, each module is equipped with its own optics and it is possible to combine various lighting characteristics within a single luminaire.

Therefore, with doublepower!! CELL lights, you will achieve tailor-made lighting results with maximum efficacy.

Low glare with high luminous efficacy

In spite of its high efficacy (165 lm/W for the HE version and 162 lm/W for the HO version), the doublepower!! CELL luminaire ensures comfort without unpleasant glare. No matter the installation height and any level of lighting, the glare values of the doublepower!! CELL lights is safely below the specified standard values. We achieved the high efficacy and low glare by combining a special design of lights, optic system and illumination area layout.



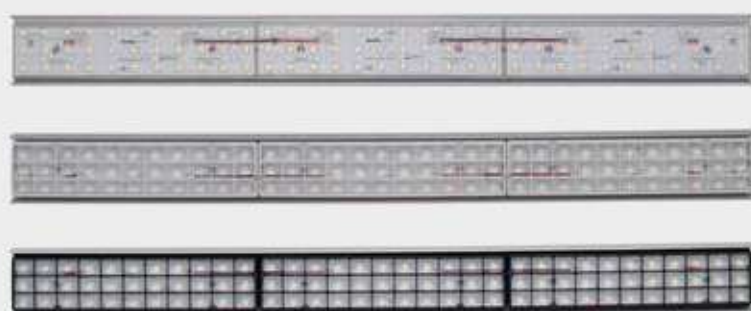
The luminaire comes in variations with connector or bushing.



Versatile suspension and fixation. The luminaire adapts to any installation options and limitations. It can be hung individually or as a continuous row of lights. Also available is a busbar system.



With a uniquely designed aluminium body, low power supply and overall design, all components in the luminaire operate in extreme temperature comfort.



With a combination of special luminaire designs, optic system and illumination area layout, CELL lights reach a high level of efficacy at a very low glare factor. Transparent and prismatic covers, as well as special screens, are available for reducing the glare factor even more.





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Sustainability

The lighting solution is economically beneficial only with the long-term assurance of lighting conditions, energy efficiency and overall functionality. Just as with all doublepower!! product lines, the CELL luminaire is also developed and manufactured with a hardline goal of longevity and sustainability.

The basic service life of a doublepower!! CELL luminaire for parameter L80B10 is a minimum of 80 000 hours, for parameter L80B50 even greater than 105 000 hours. All components in the luminaire operate at extreme comfort, deeply below limiting temperature values thanks to the uniquely designed body, low power supply and overall design.

Tailor-made to operation, simple installation

doublepower!! CELL comes with IP20 protection rating and is therefore designed for modest operations in terms of contamination.

In spite of its efficient temperature management, the design of the doublepower!! CELL luminaire is subtle and handling the luminaire is very easy and quick. Versatile suspension and fixation, and variations with connector or bushing demonstrates that the luminaire will adapt to any options and limitations to installation. A solution for local lighting, lighting solution with distribution of independently hung lights based on operating needs, as well as for continuous rows of lights.

We will design a suitable and economical installation solution – where it be busbar system or other hanging systems.

Luminaire dimensions

Florence2 (flat), optics 60°, 90°

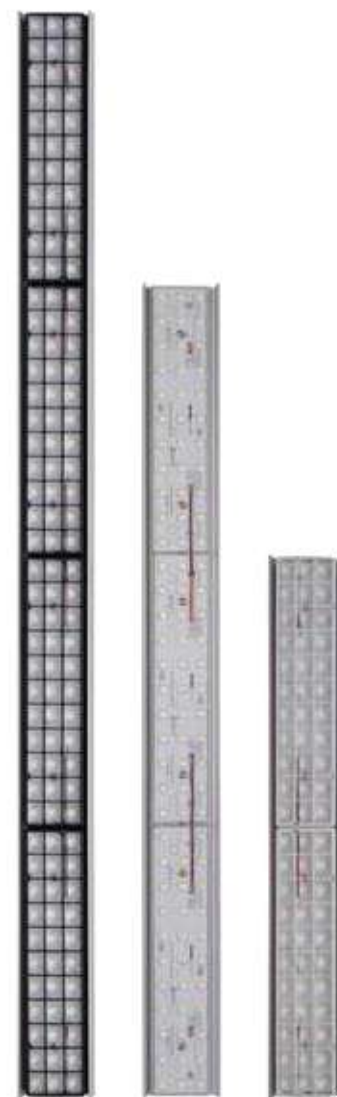
| model | weight | length | height | width |
|-----------------|--------|--------|--------|-------|
| 2x module units | | 57 | 7,3 | 7,8 |
| 3x module units | | 85,5 | 7,3 | 7,8 |
| 4x module units | | 114 | 7,3 | 7,8 |
| 5x module units | | 142,5 | 7,3 | 7,8 |
| 6x module units | | 171 | 7,3 | 7,8 |
| 7x module units | | 199,5 | 7,3 | 7,8 |
| 8x module units | | 228 | 7,3 | 7,8 |

With screen, 30°, 60°, 90° □ optics, asymmetric

| model | weight | length | height | width |
|-----------------|--------|--------|--------|-------|
| 2x module units | | 58,2 | 7,3 | 7,8 |
| 3x module units | | 87,3 | 7,3 | 7,8 |
| 4x module units | | 116,4 | 7,3 | 7,8 |
| 5x module units | | 145,5 | 7,3 | 7,8 |
| 6x module units | | 174,6 | 7,3 | 7,8 |
| 7x module units | | 203,7 | 7,3 | 7,8 |
| 8x module units | | 232,8 | 7,3 | 7,8 |



The luminaire has high quality LED chips from Samsung with chromatic temperatures of 2700K through 6500K.



All CELL lights come in variations with 2 to 8 modules.

NEED ADDITIONAL INFORMATION? JUST CONTACT US. WE'LL BE HAPPY TO GIVE YOU MORE.
CALL +420 222 312 917 OR EMAIL US AT INFO@DOUBLEPOWER.CZ.





Specifications

| | 2 modules | 3 modules | 4 modules | 5 modules | 6 modules | 7 modules | 8 modules |
|-----------------------------|--|-----------|-----------|-----------|-----------|-----------|-----------|
| HE version input power | 22,6 W | 33,9 W | 45,2 W | 56,5 W | 67,8 W | 79,1 W | 90,4 W |
| HO version input power | 26 W | 39 W | 52 W | 65 W | 78 W | 91 W | 104 W |
| Luminous flux at 4000K HE | 3 726 lm | 5 588 lm | 7 451 lm | 9 314 lm | 11 177 lm | 13 039 lm | 14 902 lm |
| Luminous flux at 4000K HO | 4 221 lm | 6 331 lm | 8 441 lm | 10 551 lm | 12 662 lm | 14 772 lm | 16 882 lm |
| Chip efficiency / HE light | 181 lm/W / 165 lm/W | | | | | | |
| Chip efficiency / HO light | 178 lm/W / 162 lm/W | | | | | | |
| Light source | Samsung chip 2700K – 6500K | | | | | | |
| Service life | L80B10 = 80 000 hours, L80B50 = 105 000 hours at Ta +45°C | | | | | | |
| Front cover | PMMA optics | | | | | | |
| Luminaire body | Anodized aluminium profile | | | | | | |
| | Highly efficient heat conduction for optimal light temperature management | | | | | | |
| | Low operating temperatures of the light and components | | | | | | |
| Rating | IP20 | | | | | | |
| Operating temperatures | -25°C ~ +50°C | | | | | | |
| Optic system and reflectors | Linear optics 60° / 90° / 85°+ 40°, asymmetric and special characteristics | | | | | | |
| Miscellaneous | Extremely low glare factor rate = high illumination comfort | | | | | | |
| | DALI / DSI control available, option to integrate with doublepower DALI/KNX complex control system | | | | | | |
| Manufacturer | doublepower!! s.r.o. Czech Republic | | | | | | |

Lighting characteristics

