

ILLUMINATION



LUXEON CoB Core Range PW Gen 6

Engineered for vibrant colors



LUXEON CoB Core Range PW was built for applications that need the highest quality of light combined with market leading performances. Its beautiful color transforms areas into vibrant spaces. Above all, LUXEON CoB Core Range PW has a robust, long life span and fits easily into luminaire designs.

FEATURES AND BENEFITS

High efficacy and superior color quality at lower energy consumption

- Various LES sizes and flux output that fit different applications and requirements
- Best in class thermal resistance enabling the use of smaller heatsinks and prolonged product life span

Supported by a comprehensive optical, mechanical, and electrical ecosystem

PRIMARY APPLICATIONS

- Spotlights
- Track Lights
- Downlights
- Low Bay



LUXEON CoB Core Range PW product performance at specified test current, T = 85°C.

| LES ^[1] (mm) | NOMINAL CCT | MINIMUM CRI ^[2, 3, 4] | LUMINOUS FLUX ^[2] (Im) | | TYPICAL LUMINOUS | TEST CURRENT | ENERGY EFFICIENCY | |
|----------------------------|----------------|-------------------------------------|-----------------------------------|---------|---------------------|-----------------|----------------------|-------------------|
| | | | MINIMUM | TYPICAL | EFFICACY (lm/W) | (mA) | CLASS ^[5] | |
| 6 | 3000K | 90 | 961 | 1068 | 158 | 200 | D | L2C5-30901202106P |
| 6 | 3500K | 90 | 971 | 1078 | 159 | 200 | D | L2C5-35901202106P |
| 6 | 4000K | 90 | 978 | 1086 | 160 | 200 | D | L2C5-40901202106P |
| 9 | 3000K | 90 | 985 | 1095 | 161 | 200 | D | L2C5-30901202109P |
| 9 | 3500K | 90 | 997 | 1108 | 163 | 200 | D | L2C5-35901202109F |
| 9 | 4000K | 90 | 1007 | 1118 | 165 | 200 | D | L2C5-40901202109F |
| 9 | 3000K | 90 | 1453 | 1614 | 159 | 300 | D | L2C5-30901203109F |
| 9 | 3500K | 90 | 1458 | 1620 | 159 | 300 | D | L2C5-35901203109F |
| 9 | 4000K | 90 | 1459 | 1622 | 159 | 300 | D | L2C5-40901203109F |
| 9 | 3000K | 90 | 1894 | 2104 | 155 | 400 | D | L2C5-30901204109F |
| 9 | 3500K | 90 | 1917 | 2130 | 157 | 400 | D | L2C5-35901204109F |
| 9 | 4000K | 90 | 1935 | 2150 | 159 | 400 | D | L2C5-40901204109F |
| 13 | 3000K | 90 | 2863 | 3182 | 154 | 600 | D | L2C5-30901205I13F |
| 13 | 3500K | 90 | 2916 | 3240 | 157 | 600 | D | L2C5-35901205I13F |
| 13 | 4000K | 90 | 2967 | 3296 | 159 | 600 | D | L2C5-40901205I13F |
| 15 | 3000K | 90 | 4325 | 4805 | 156 | 900 | D | L2C5-30901208I15F |
| 15 | 3500K | 90 | 4344 | 4826 | 157 | 900 | D | L2C5-35901208I15F |
| 15 | 4000K | 90 | 4508 | 5009 | 163 | 900 | D | L2C5-40901208I15F |
| 15 | 3000K | 90 | 4369 | 4854 | 161 | 900 | D | L2C5-30901210I15F |
| 15 | 3500K | 90 | 4460 | 4955 | 164 | 900 | D | L2C5-35901210I15F |
| 15 | 4000K | 90 | 4500 | 5000 | 165 | 900 | D | L2C5-40901210I15F |

Notes:

1.

otes: Light Emitting Surface (LES) is the inner diameter (phosphor area) inside the dam. Lumileds maintains a tolerance of ±2 on CRI and ±6.5% on luminous flux measurements. Typical CRI is approximately 2 points higher than the minimum CRI specified, but this is not guaranteed. R9 value of 90CRI products is >50. Energy efficiency class as specified in Commission Delegated Regulation (EU) 2019/2015. The available range of energy efficiency classes is A-G. "x" designates SDCM, 2=2-SDCM, 0=3SDCM. 2.

3. 4. 5. 6.

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