



K2D

Switchable Wattage and CCT 4-pin LED DD Lamp with Emergency Option

Kosnic's latest LED DD sensor lamp takes a fresh approach to functional lighting with a design that offers selectable 9W, 12W or 18W output and 3000K, 4000K or 5000K CCT options on a single lamp. The lamps are recommended for the Ossa and Visio fittings and compatible with Kosnic plug-in emergency modules. The products bring the energy saving capabilities of LED technology to the commercial environment and the lamps may quickly replace existing fluorescent lamps with no rewiring where space allows.

K2DC9-18STD/4P-SCT

Specification

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| Voltage (eg 220-240 Vac 50/60Hz) | 220-240Vac 50/60Hz |
| Current (mA) | 60 (47 - 9W) (87 - 18W) |
| Rated Power (W) | 12 (9, 18) |
| CCT Words | Cool White (Warm White, Day Light) |
| CCT (K) | 4000 (3000, 5000) |
| Nominal Lifetime (h) | 30000 |
| L70B50 Lifetime (h) | 54000 |
| L80B10 Lifetime (h) | 54000 |
| L90 Lifetime (h) | 42000 |
| Total Luminous Flux (lm) | 1670 (1180 - 9W 3000k) (1200 - 9W 4000k/5000k) (1600 - 12W 3000k) (1670 - 12W 5000k) (2500 - 18W 3000k) (2660 - 18W 4000k/5000k) |
| Power Factor | 0.87 (0.84 - 9W) (0.9 - 18W) |
| Blue Light Hazard | RG1 |
| Glow wire temperature(°C) | 650 |
| Dimensions L x W x D (mm) | 22*φ252mm |
| Weight (kg) | 0.192 |
| In-rush current (peak/duration) (A) | 2.85 A / 40 μs |
| Ambient Temperature Range (°C) | -20 to 40 |
| Depth (mm) | 252 |

Light Source Specification

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| Lighting Technology Used | LED |
| Directional / Non Directional (DLS/NDLS) | NDLS |
| Light Source Cap Type (or other interface) | GR10q |
| Mains / Non-Mains (MLS/NMLS) | MLS |
| Connected Light source (Y/N) | N |
| Colour Tunable Light Source (Y/N) | N |
| High Luminance Light Source (Y/N) | N |

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| Anti-Glare Shield (Y/N) | N |
| Dimmable (Y/N/Specific dimmer) | N |
| Energy Consumption in on-mode (kWh/1000H) | 12 (9, 18) |
| Energy Efficiency Class (NEW FORMULA) | D (E - 9W 3000k) (D - 9W 4000k/5000k) (E - 12W 3000k) (D - 12W 5000k) (D - 12W) |
| Useful Luminous Flux (lm) | 1670 (1180 - 9W 3000k) (1220 - 12W 4000k/5000k) (1600 - 12W 3000k) (1670 - 12W 5000k) (2500 - 18W 3000k) (2660 - 18W 4000k/5000k) |
| Beam Angle correspondence (in 360°/120°/90°) | in 360° |
| CCT | 4000 (3000, 5000) |
| On-Mode Power (Pon) (W) | 12 (9, 18) |
| Standby Power (Psb) (W) | 0 |
| Networked Standby Power (Pnet) (W) | N/A |
| CRI | 82 |
| CRI (min) | 80 |
| CRI (max) | 84 |
| Height (mm) | 22 |
| Width (mm) | 252 |
| Depth (mm) | 252 |
| Claim of Equivalent Power? (Y/N) | N |
| Equivalent Power (W) | N/A |
| Chromaticity Co-Ordinates (X) | 0.388 (0.44 - 3000k) (0.348 - 5000k) |
| Chromaticity Co-Ordinates (Y) | 0.38 (0.405 - 3000k) (0.362 - 5000k) |
| Peak Luminous Intensity (DLS) (cd) | N/A |
| Beam Angle (DLS) | N/A |
| Beam Angle (min)(DLS) | N/A |
| Beam Angle (max) (DLS) | N/A |
| R9 CRI (LED/OLED) | 18 (13 - 3000k) (-1 -5000k) |
| Survival Factor (x.xx) | 0.9 |
| Lumen Maintenance Factor (x.xx) | 0.96 |
| Displacement Factor | 0.95 (0.92 - 9W) (0.97 (12W) |

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| Colour Consistency in Mcdam Ellipses (Mains LED/OLED) | 6 |
| LED light source replaces flourescent without integrated ballast of particular wattage (Mains LED/OLED) (Y/N) | N |
| Replacement W Claim (Mains LED/OLED) (W) | N/A |
| Flicker metric (pst LM) (x,x) | 0.2 |
| Storboscopic effect metric (SVM) (x,x) | 0.2 |

Technical Drawings

