



## K2D

### All in one sensor DD LED module for Kosnic LED bulkheads

Kosnic's latest LED DD sensor lamp takes a fresh approach to functional lighting with a design that offers a built-in microwave sensor, 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's 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 where space allows.

**K2DC9-18CRD/4P-SCT ()**

## Specification

Voltage	220-240Vac 50/60Hz
Current (mA)	65 (50 - 9W) ( 90 - 18W)
Rated Power (W)	12 (9, 18)
CCT Words	Cool White (Warm White, Day Light)
CCT (K)	4000 (3000, 5000)
Total Luminous Flux (lm)	1800 (1160 - 9W 3000k) (1200 - 9W 4000k/5000k) (1430 - 12W 3000k) (1500 - 12W 5000k) (2000 - 18W 3000k) (2200 - 18W 4000k/5000k)
Nominal Lifetime (h)	30000
L70B50 Lifetime (h)	54000
L80B10 Lifetime (h)	54000
L90 Lifetime (h)	42000
Blue Light Hazard	RG1
Glow wire temperature(°C)	650
Power Factor	0.8 (0.78 - 9W) (0.87 - 18W)
Ambient Temperature Range (°C)	-20 to 40
Weight (kg)	0.226
In-rush current (peak/duration) (A)	4.8 A / 96 µs
On-Site Warranty	3 Years

## Light Source Specification

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
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	E (E - 9W) (E - 12W)
Useful Luminous Flux (lm)	1500 (1160 - 9W 3000k) (1200 - 12W 4000k/5000k) (1430 - 12W 3000k) (1500 - 12W 5000k) ( 2000 - 18W 3000k) (2200 - 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)	0.5
Networked Standby Power (Pnet) (W)	N/A
CRI	82
CRI (min)	80
CRI (max)	84
Height (mm)	24
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
Survival Factor (x.xx)	0.9
Lumen Maintenance Factor (x.xx)	0.96
Displacement Factor	0.88 (0.86 - 9W) (0.95 - 18W)
Colour Consistency in Mcadam Ellipses (Mains LED/OLED)	6
LED light source replaces fluorescent 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)	0.1
Stroboscopic effect metric (SVM) (x,x)	0.1

## Technical Drawings

