



## T8 Pro

### **T8 Pro 21W Glass LED T8 tube, 6500k**

Kosnic's range of LED tubes takes a fresh approach to functional lighting with retrofit LED tubes that bring the energy saving capabilities of LED technology. These advanced LED tubes are suitable for all areas, including visually demanding non-transient task areas such as offices and educational premises where users require uniform light to maintain well-being. The LED tubes can directly replace fluorescent tubes in magnetic ballast fittings with no rewiring. The LED tubes are also perfectly suited to use in fittings designed for dedicated LED tube use. • High performance of 130lm/W • Save energy by up to 65% • Flicker free • Compatible with magnetic ballasts, and LED drivers

**T8PRO21-W65** (07362)

## Specification

|                                     |                    |
|-------------------------------------|--------------------|
| Voltage                             | 220-240Vac 50-60Hz |
| Current (mA)                        | 94                 |
| Rated Power (W)                     | 21                 |
| CCT Words                           | Day Light          |
| CCT (K)                             | 6500               |
| Total Luminous Flux (lm)            | 3000               |
| Nominal Lifetime (h)                | 50000              |
| L70B50 Lifetime (h)                 | 50000              |
| L80B10 Lifetime (h)                 | 50000              |
| L90 Lifetime (h)                    | 24000              |
| Blue Light Hazard                   | RG0                |
| Glow wire temperature(°C)           | 650                |
| SDCM of CCT                         | <6                 |
| Flicker %                           | 20                 |
| Power Factor                        | 0.95               |
| Ambient Temperature Range (°C)      | -20 to 40          |
| Weight (kg)                         | 0.22               |
| In-rush current (peak/duration) (A) | 15.6A/2.3us        |
| Protection Rating                   | Class I            |
| IK Rating                           | IK02               |
| IP Rating                           | IP20               |

## Light Source Specification

|                                            |      |
|--------------------------------------------|------|
| Lighting Technology Used                   | LED  |
| Directional / Non Directional (DLS/NDLS)   | NDLS |
| Light Source Cap Type (or other interface) | G13  |
| 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)                                                                      | 21      |
| Energy Efficiency Class                                                                                        | D       |
| Useful Luminous Flux (lm)                                                                                      | 3000    |
| Beam Angle correspondence (in 360°/120°/90°)                                                                   | in 360° |
| CCT                                                                                                            | 6500    |
| On-Mode Power (Pon) (W)                                                                                        | 21      |
| Standby Power (Psb) (W)                                                                                        | 0       |
| CRI                                                                                                            | 82      |
| CRI (min)                                                                                                      | 80      |
| CRI (max)                                                                                                      | 84      |
| Height (mm)                                                                                                    | 28      |
| Width (mm)                                                                                                     | 28      |
| Depth (mm)                                                                                                     | 1514    |
| Claim of Equivalent Power? (Y/N)                                                                               | N       |
| Chromaticity Co-Ordinates (X)                                                                                  | 0.3130  |
| Chromaticity Co-Ordinates (Y)                                                                                  | 0.3370  |
| Survival Factor (x.xx)                                                                                         | 0.9     |
| Lumen Maintenance Factor (x.xx)                                                                                | 0.96    |
| Displacement Factor                                                                                            | 0.9     |
| Colour Consistency in Mcadam Ellipses (Mains LED/OLED)                                                         | 6       |
| LED light source replaces flourescent withouth integrated ballast of particular wattage (Mains LED/OLED) (Y/N) | Y       |
| Replacement W Claim (Mains LED/OLED) (W)                                                                       | 58      |
| Flicker metric (pst LM) (x,x)                                                                                  | 0.1     |
| Storboscopic effect metric (SVM) (x,x)                                                                         | 0.7     |

## Technical Drawings

