



The 59-DLC1000UK is the next generation of wireless DALI control, offering full bi-directional functionality of all compatible DALI commands. A whole universe of luminaires (64) can be individually addressed and controlled by each unit, giving you maximum flexibility and convenience for any project.

Utilising the powerful Audacy software in combination with the DALI protocol IEC 62386, luminaires can be controlled individually, grouped together to create scenes, or be part of a fully automated system in conjunction with other Audacy products. The Apple/Android app provides for conditional control down to a single luminaire, giving every user the ability to affect their personal lighting without compromising the wider system. Push-fit terminals make installation quick and easy on any project. Compared to a typical wired system, installation is up to 70% faster, saving time and money. Changes to the system can be done remotely, avoiding the need for costly site visits.



SPECIFICATIONS

| ITEM | DESCRIPTION |
|-------------------------------------|---|
| Radio Frequency Range | 915.9 - 917.3 MHz, trace Antenna |
| Wireless Protocol | Proprietary based on IEEE 802.15.4 |
| Encryption | Proprietary based on AES encryption |
| Rated RF Power Output (W) | 11.3 dBm short duration, utilising both frequency hopping and direct sequence spread spectrum |
| Transmit Range | >90m indoors to an Audacy Gateway or Luminaire Controller in a typical commercial building; extended range when repeater mode enabled |
| Dimming Protocol | DALI IEC 62386 |
| Input Voltage | 100 - 240V AC ~ 50/60Hz |
| Input Current/load (230V) | 0.05 Amp |
| Maximum number of luminaire drivers | 64 DALI Fixtures |
| Operating Temperature | 10°C to 70°C |
| Installation Environment | Indoor use only |
| Mounting | 2 Hole fix |
| 230 V Mains Terminals | 2 x Push Fit (0.5mm ² – 2.5 mm ² Max) |
| DALI bus Terminals | 2 x Push Fit (0.5mm ² – 2.5mm ² Max) |
| Housing | Flame Retardant ABS |
| Colour | White |
| Dimensions | 119mm x 61.75mm x 28.5mm |
| Weight | 130.4g |
| Warranty | 5 year |
| LVD Compliance | BE EN 61347 |
| EMC Compliance | BS EN 55015, BS EN 61547 & ETSI EN 301 489-3 V2.1.0 (ETSI EN 301 489-1 V2.1.1) |
| Radio Compliance | ETSI EN 300 220-2 v3.1.1* and ETSI EN 300 220-1 v3.1.1 |
| Code | 59-DLC1000UK |
| Description | DALI Luminaire Controller |



DIMENSIONS (MM)

