



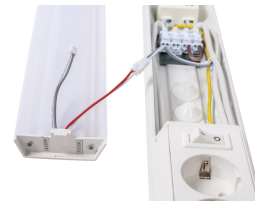
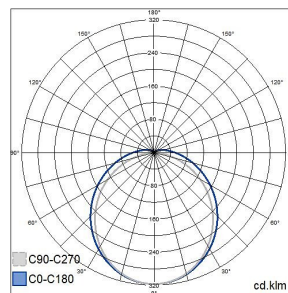
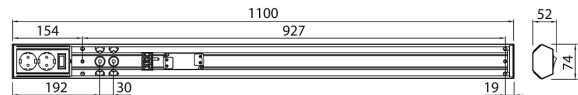
# Handy

## 1100 IP21 14W 830/840 DSO WH

Intermediate space luminaire

The popular Airam Handy task lighting series is designed for general lighting above kitchen worktops and utility room surfaces. Before installation, the colour temperature is selected — 3000 K or 4000 K. Handy fixtures come in four lengths and wattages. They can be surface-mounted either straight or at a 45° angle. The series also includes models with a double grounded socket and an on/off switch that allows the sockets to be controlled directly from the luminaire.

Handy Work point luminaire 14W 3000K/4000K 1500lm No dim; IP21; Protection cl. I; L70B50 60000h; LED not exchangeable; CRI>80; SDCM5; Suitable for through wiring; 4x2.5mm²; Housing al; Colour wh; Cover Plastic, opal; Double socket



| 1100 IP21 14W 830/840 DSO WH |        |       |                |
|------------------------------|--------|-------|----------------|
| PRODUCT CODE                 | CODE   | KG    | PRODUCT FAMILY |
| 4107112                      | A1TRBP | 0.852 | Handy          |

| Mounting                                                                         |                             |
|----------------------------------------------------------------------------------|-----------------------------|
| Suitable for wall mounting                                                       | Yes                         |
| Suitable for suspended mounting                                                  | No                          |
| Suitable for ceiling mounting                                                    | No                          |
| Suitable for recessed mounting                                                   | No                          |
| Suitable for surface mounting                                                    | Yes                         |
| Suitable for light line configuration                                            | No                          |
| Suitable for clamp-mounting                                                      | Yes                         |
| Fit for workplace acc. EN 12464-1                                                | No                          |
| Degree of protection (IP)                                                        | IP21                        |
| Degree of protection (IP), rear side                                             | IP21                        |
| Degree of protection (IP), front side                                            | IP21                        |
| Luminaire with limited surface temperature, class "D" in acc. with EN 60598-2-24 | Yes                         |
| Suitable for emergency lighting                                                  | No                          |
| Emergency function monitoring system                                             | None                        |
| Luminaire may be covered with thermally insulating material                      | -                           |
| Type of wiring                                                                   | Suitable for through wiring |
| Number of poles                                                                  | 4                           |
| Conductor cross section (mm²)                                                    | 2.5                         |
| Connection type                                                                  | Screwless terminal          |
| Connectable conductor cross section (min) (mm²)                                  | 1.5                         |
| Connectable conductor cross section (max) (mm²)                                  | 2.5                         |
| Structure                                                                        |                             |
| With mounting material                                                           | Yes                         |
| Lamp type                                                                        | LED not exchangeable        |
| Light source included                                                            | Yes                         |
| Suitable for number of lamps                                                     | 1                           |
| Lamp holder                                                                      | Other                       |
| Housing material                                                                 | Aluminium                   |
| Housing surface protection                                                       | Powder coating              |
| Housing colour                                                                   | White                       |
| Cover material                                                                   | Plastic, opal               |
| Type of grid                                                                     | Matt                        |
| Control gear included                                                            | Yes                         |
| Exchangeable control gear                                                        | Yes                         |
| Energy efficiency class of light source according to EU regulation 2019/2015     | E                           |
| Containing product according to 2019/2020/EU                                     | Yes                         |
| Emergency power supply system                                                    | None                        |
| Emergency power supply integrated                                                | No                          |
| With switch                                                                      | Yes                         |
| With air slots                                                                   | No                          |
| Filament test according to IEC 60695-2-11                                        | 650 °C - 30 s               |

| Dimming and control                                       |                           |
|-----------------------------------------------------------|---------------------------|
| Dimmable                                                  | No                        |
| Dimming 0-10 V                                            | No                        |
| Dimming 1-10 V                                            | No                        |
| Dimming DALI                                              | No                        |
| Dimming DALI-2                                            | No                        |
| Dimming DMX                                               | No                        |
| Dimming DSI                                               | No                        |
| Dimming LineSwitch                                        | No                        |
| Dimming manufacturer's proprietary system                 | No                        |
| Dimming mains voltage modulation                          | No                        |
| Dimming trailing edge                                     | No                        |
| Dimming leading edge                                      | No                        |
| Dimming programmable                                      | No                        |
| Dimming potentiometer (integrated)                        | No                        |
| Dimming RF                                                | No                        |
| Dimming Sine Wave Reduction                               | No                        |
| Dimming Touch and Dim                                     | No                        |
| Dimming Zigbee                                            | No                        |
| Dimming with push-button                                  | No                        |
| No dimming function                                       | Yes                       |
| With presence indicator                                   | No                        |
| With movement sensor                                      | No                        |
| With light sensor                                         | No                        |
| Constant luminous flux control                            | No                        |
| Bluetooth operated                                        | No                        |
| Compatible with Casambi                                   | No                        |
| Compatible with Apple HomeKit                             | No                        |
| Compatible with Google Assistant                          | No                        |
| Compatible with Amazon Alexa                              | No                        |
| IFTTT support available                                   | No                        |
| Photometric data                                          |                           |
| Light distributor                                         | Diffuser lens/optic/panel |
| Light sharing                                             | Symmetric                 |
| Beam angle                                                | Extreme wide beam >80°    |
| Colour consistency (McAdam ellipse)                       | SDCM5                     |
| Light outlet                                              | Direct                    |
| Rated luminous flux according to IEC 62722-2-1 (min) (lm) | 1500                      |
| Rated luminous flux according to IEC 62722-2-1 (max) (lm) | 1500                      |
| Colour of light (alphanumeric)                            | White                     |
| Effective luminous flux (lm)                              | 1500                      |
| Colour temperature (min) (K)                              | 3000                      |
| Colour temperature (max) (K)                              | 4000                      |
| Flickering value Pst LM                                   | 1                         |
| Colour rendering index (CRI/Ra)                           | 80-89                     |
| Stroboscope effect value SVM                              | 0.4                       |
| Photobiological safety according to EN 62471              | RG0                       |
| Unified Glare Rating (UGR)                                | 22                        |
| Colour temperature switchable                             | Discrete positions        |
| Lumen setting adjustable                                  | No                        |
| Beam angle adjustable                                     | No                        |

| Lifetime and capacity                                                           |       |
|---------------------------------------------------------------------------------|-------|
| Rated life time L70/B50 at 25 °C (h)                                            | 60000 |
| Rated life time L80/B50 at 25 °C                                                | 45000 |
| Lumen maintenance at median useful life of 35,000 hrs at 25 °C ambient (tq) (%) | 85    |
| Lumen maintenance at median useful life of 50,000 hrs at 25 °C ambient (tq) (%) | 75    |
| Failure rate at median useful life of 35,000 hrs at 25 °C ambient (tq) (%)      | 5     |
| Failure rate at median useful life of 50,000 hrs at 25 °C ambient (tq) (%)      | 10    |
| Rated ambient temperature acc. IEC62722-2-1 (min) (°C)                          | 5     |
| Rated ambient temperature acc. IEC62722-2-1 (max) (°C)                          | 25    |

| Measurements      |      |
|-------------------|------|
| Width (mm)        | 74   |
| Height/depth (mm) | 44   |
| Length (mm)       | 1100 |

| Electrotechnical data                   |                                         |
|-----------------------------------------|-----------------------------------------|
| Voltage type                            | AC                                      |
| Nominal voltage (min) (V)               | 220                                     |
| Nominal voltage (max) (V)               | 240                                     |
| Nominal current (min) (mA)              | 280                                     |
| Nominal current (max) (mA)              | 280                                     |
| Type of control gear                    | LED operating device current-controlled |
| Protection class according to IEC 61140 | I                                       |
| Suitable for lamp power (min) (W)       | 14                                      |
| Suitable for lamp power (max) (W)       | 14                                      |
| Luminaire efficacy (min) (lm/W)         | 110                                     |
| Luminaire efficacy (max) (lm/W)         | 110                                     |
| Maximum system power (W)                | 14                                      |
| Luminaire efficacy (lm/W)               | 110                                     |
| Power factor                            | 0.9                                     |
| Total harmonic distortion (THD) (%)     | 20                                      |
| Total harmonic distortion               | 20                                      |