

# Handy

450 IP21 5W 830/840 WH

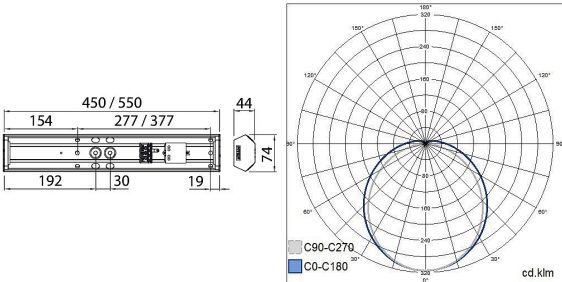
Work point luminaire

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 5W 3000K/4000K 500lm No dim; IP21; Protection cl. I; L70B50 60000h; LED not exchangeable; CRI>80; SDCM5; Suitable for through wiring; 3x2.5mm²; Housing al; Colour wh; Cover Plastic, opal

Stocked: Yes

| 450 IP21 5W 830/840 WH |         |     |                |
|------------------------|---------|-----|----------------|
| PRODUCT CODE           | CODE    | KG  | PRODUCT FAMILY |
| 4126293                | 4126293 | 0.4 | Handy          |



## 450 IP21 5W 830/840 WH

EC002892 Ceiling / wall luminaire

| Mounting                                                                         |                             | Structure                                                                    |                                         |
|----------------------------------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------|-----------------------------------------|
| Suitable for wall mounting                                                       | Yes                         | With mounting material                                                       | Yes                                     |
| Suitable for suspended mounting                                                  | No                          | Lamp type                                                                    | LED not exchangeable                    |
| Suitable for ceiling mounting                                                    | No                          | Light source included                                                        | Yes                                     |
| Suitable for recessed mounting                                                   | No                          | Suitable for number of lamps                                                 | 1                                       |
| Suitable for surface mounting                                                    | Yes                         | Lamp holder                                                                  | Other                                   |
| Suitable for light line configuration                                            | No                          | Housing material                                                             | Aluminium                               |
| Suitable for clamp-mounting                                                      | Yes                         | Housing surface protection                                                   | Powder coating                          |
| Fit for workplace acc. EN 12464-1                                                | No                          | Housing colour                                                               | White                                   |
| Degree of protection (IP)                                                        | IP21                        | Cover material                                                               | Plastic, opal                           |
| Degree of protection (IP), rear side                                             | IP21                        | Type of grid                                                                 | Matt                                    |
| Degree of protection (IP), front side                                            | IP21                        | Control gear included                                                        | Yes                                     |
| Luminaire with limited surface temperature, class "D" in acc. with EN 60598-2-24 | Yes                         | Exchangeable control gear                                                    | Yes                                     |
| Suitable for emergency lighting                                                  | No                          | Energy efficiency class of light source according to EU regulation 2019/2015 | E                                       |
| Emergency function monitoring system                                             | None                        | Containing product according to 2019/2020/EU                                 | Yes                                     |
| Luminaire may be covered with thermally insulating material                      | -                           | Emergency power supply system                                                | None                                    |
| Type of wiring                                                                   | Suitable for through wiring | Emergency power supply integrated                                            | No                                      |
| Number of poles                                                                  | 3                           | With switch                                                                  | No                                      |
| Conductor cross section (mm²)                                                    | 2.5 mm²                     | With air slots                                                               | No                                      |
| Connection type                                                                  | Screwless terminal          | Filament test according to IEC 60695-2-11                                    | 650 °C - 30 s                           |
| Connectable conductor cross section (min) (mm²)                                  | 1.5 mm²                     | Electrotechnical data                                                        |                                         |
| Connectable conductor cross section (max) (mm²)                                  | 2.5 mm²                     | Voltage type                                                                 | AC                                      |
|                                                                                  |                             | Nominal voltage (min) (V)                                                    | 220 V                                   |
|                                                                                  |                             | Nominal voltage (max) (V)                                                    | 240 V                                   |
|                                                                                  |                             | Nominal current (min) (mA)                                                   | 300 mA                                  |
|                                                                                  |                             | Nominal current (max) (mA)                                                   | 300 mA                                  |
|                                                                                  |                             | Type of control gear                                                         | LED operating device current-controlled |
|                                                                                  |                             | Protection class according to IEC 61140                                      | I                                       |
|                                                                                  |                             | Suitable for lamp power (min) (W)                                            | 5 W                                     |
|                                                                                  |                             | Suitable for lamp power (max) (W)                                            | 5 W                                     |
|                                                                                  |                             | Luminaire efficacy (min) (lm/W)                                              | 100 lm/W                                |
|                                                                                  |                             | Luminaire efficacy (max) (lm/W)                                              | 100 lm/W                                |
|                                                                                  |                             | Maximum system power (W)                                                     | 5 W                                     |
|                                                                                  |                             | Luminaire efficacy (lm/W)                                                    | 100 lm/W                                |
|                                                                                  |                             | Power factor                                                                 | 0.5                                     |
|                                                                                  |                             | Total harmonic distortion (THD) (%)                                          | 20 %                                    |
|                                                                                  |                             | Total harmonic distortion                                                    | 20 THD                                  |

| 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) | 500 lm                    |
| Rated luminous flux according to IEC 62722-2-1 (max) (lm) | 500 lm                    |
| Colour of light (alphanumeric)                            | White                     |
| Effective luminous flux (lm)                              | 500 lm                    |
| Colour temperature (min) (K)                              | 3000 K                    |
| Colour temperature (max) (K)                              | 4000 K                    |
| 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 h |
| Rated life time L80/B50 at 25 °C                                                | 45000 h |
| 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 °C    |
| Rated ambient temperature acc. IEC62722-2-1 (max) (°C)                          | 25 °C   |

| Measurements      |        |
|-------------------|--------|
| Width (mm)        | 74 mm  |
| Height/depth (mm) | 44 mm  |
| Length (mm)       | 450 mm |