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4 x 2,5



IP21



Handy

450 IP21 5W 830/840 DSO WH

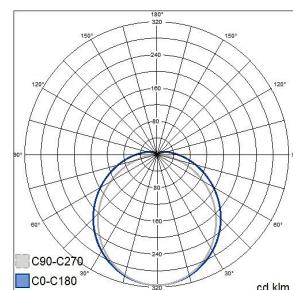
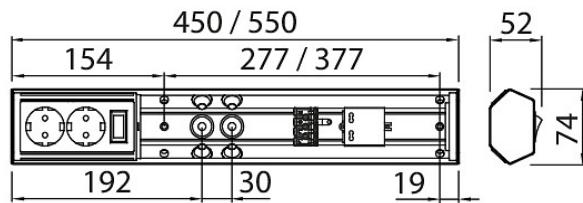
Intermediate space luminaire

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 5W 3000K/4000K 500lm
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

450 IP21 5W 830/840 DSO WH

PRODUCT CODE	CODE	KG	PRODUCT FAMILY
4107100	A1TRBM	0.456	Handy



Mounting		Dimming and control
Suitable for wall mounting	Yes	Dimmable
Suitable for suspended mounting	No	Dimming 0-10 V
Suitable for ceiling mounting	No	Dimming 1-10 V
Suitable for recessed mounting	No	Dimming DALI
Suitable for surface mounting	Yes	Dimming DALI-2
Suitable for light line configuration	No	Dimming DMX
Suitable for clamp-mounting	Yes	Dimming DS1
Fit for workplace acc. EN 12464-1	No	Dimming LineSwitch
Degree of protection (IP)	IP21	Dimming manufacturer's proprietary system
Degree of protection (IP), rear side	IP21	Dimming mains voltage modulation
Degree of protection (IP), front side	IP21	Dimming trailing edge
Luminaire with limited surface temperature, class "D" in acc. with EN 60598-2-24	Yes	Dimming leading edge
Suitable for emergency lighting	No	Dimming programmable
Emergency function monitoring system	None	Dimming potentiometer (integrated)
Luminaire may be covered with thermally insulating material	-	Dimming RF
Type of wiring	Suitable for thorough wiring	Dimming Sine Wave Reduction
Number of poles	4	Dimming Touch and Dim
Conductor cross section (mm ²)	2.5	Dimming Zigbee
Connection type	Screwless terminal	Dimming with push-button
Connectable conductor cross section (min) (mm ²)	1.5	No dimming function
Connectable conductor cross section (max) (mm ²)	2.5	With presence indicator

Structure		Photometric data
With mounting material	Yes	Light distributor
Lamp type	LED not exchangeable	Diffuser lens/optic/panel
Light source included	Yes	Light sharing
Suitable for number of lamps	1	Symmetric
Lamp holder	Other	Beam angle
Housing material	Aluminium	Extreme wide beam >80°
Housing surface protection	Powder coating	Colour consistency (McAdam ellipse)
Housing colour	White	SDCM5
Cover material	Plastic, opal	Light outlet
Type of grid	Matt	Direct
Control gear included	Yes	Rated luminous flux according to IEC 62722-2-1 (min) (lm)
Exchangeable control gear	Yes	500
Energy efficiency class of light source according to EU regulation 2019/2015	E	Rated luminous flux according to IEC 62722-2-1 (max) (lm)
Containing product according to 2019/2020/EU	Yes	500
Emergency power supply system	None	Colour of light (alphanumeric)
Emergency power supply integrated	No	White
With switch	Yes	Effective luminous flux (lm)
With air slots	No	500
Filament test according to IEC 60695-2-11	650 °C - 30 s	Colour temperature (min) (K)

Colour temperature (min) (K)	4000
Flickering value Pst LM	1
Colour rendering index CRI	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 (t _q) (%)	85
Lumen maintenance at median useful life of 50,000 hrs at 25 °C ambient (t _q) (%)	75
Failure rate at median useful life of 35,000 hrs at 25 °C ambient (t _q) (%)	5
Failure rate at median useful life of 50,000 hrs at 25 °C ambient (t _q) (%)	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)	450

Electrotechnical data	
Voltage type	AC
Nominal voltage [min] (V)	220
Nominal voltage [max] (V)	240
Nominal current [min] (mA)	300
Nominal current [max] (mA)	300
Type of control gear	LED operating device current-controlled
Protection class according to IEC 61140	I
Suitable for lamp power [min] (W)	5
Suitable for lamp power [max] (W)	5
Luminaire efficacy [min] (lm/W)	100
Luminaire efficacy [max] (lm/W)	100
Maximum system power (W)	5
Luminaire efficacy (lm/W)	100
Power factor	0.5
Total harmonic distortion (THD) (%)	20
Total harmonic distortion	20