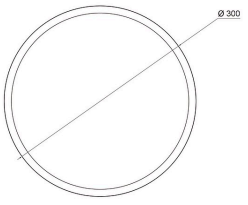
Pinea

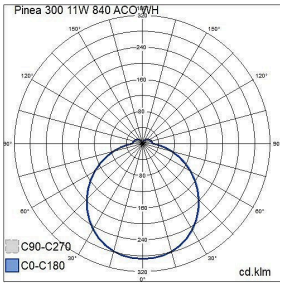
300 11W 840 ACO WH



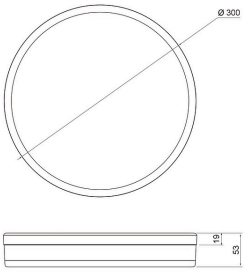
Surface mounted luminaire

Pinea is a universal luminaire with a housing made of wood composite manufactured in Finland and a diffuser made of recycled acrylic. The wood composite consists of cellulose fibres and a biopolymer made from renewable materials, and the raw materials are obtained from the side streams and residues of wood and pulp processing. The luminaire has a luminous efficacy of 145 lm/W and is equipped with an energy efficiency class A light source (210 lm/W). The housing and diffuser of Pinea, designed in Kerava, are manufactured in Finland, and the product is assembled at Airam's factory in Lahti. Pinea has been awarded the Key Flag Symbol.





Surface mounted luminaire 11W 4000K 1550lm No dim; IP20; IK05; Protection cl. II; L70B50 100000h; LED exchangeable; Lamp included; CRI>80; SDCM3; Through-wired; 3x2.5mm²; Housing Plastic; Colour wh; Cover Plastic matt/satinized; C16 max. 102





Stocked: Yes

300 11W 840 ACO WH			
PRODUCT CODE	CODE	KG	PRODUCT FAMILY
4146975	4146975	0.64	Pinea

300 11W 840 ACO WH

EC002892 Ceiling / wall luminaire

Mounting	
Suitable for wall mounting	Yes
Suitable for suspended mounting	No
Suitable for ceiling mounting	Yes
Suitable for recessed mounting	No
Suitable for surface mounting	Yes
Suitable for light line configuration	No
Suitable for clamp-mounting	No
Fit for workplace acc. EN 12464-1	No
Degree of protection (IP)	IP20
Degree of protection (IP), rear side	IP20
Degree of protection (IP), front side	IP20
Max. number of luminaires per miniature circuit breaker C10 (MCB)	62
Max. number of luminaires per miniature circuit breaker B16	60
Max. number of luminaires per miniature circuit breaker C16	102
Impact strength	IK05
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	Through-wired
Number of poles	3
Conductor cross section (mm²)	2.5 mm²
Connection type	Screwless terminal
Connectable conductor cross section (min) (mm²)	1.5 mm²
Connectable conductor cross section (max) (mm²)	2.5 mm²

Structure	
With mounting material	Yes
Lamp type	LED exchangeable
Light source included	Yes
Suitable for number of lamps	1
Lamp holder	Other
Housing material	Plastic
Housing surface protection	Plastic-coated
Housing colour	White
Cover material	Plastic matt/satinized
Type of grid	None
Control gear included	Yes
Exchangeable control gear	Yes
Energy efficiency class of light source according to EU regulation 2019/2015	A
Containing product according to 2019/2020/EU	Yes
Emergency power supply system	None
Emergency power supply integrated	No
With switch	No
With air slots	No
Filament test according to IEC 60695-2-11	650 °C - 30 s

Electrotechnical data	
Voltage type	AC
Nominal voltage (min) (V)	220 V
Nominal voltage (max) (V)	240 V
Nominal current (min) (mA)	140 mA
Nominal current (max) (mA)	260 mA
Type of control gear	LED operating device current-controlled
Protection class according to IEC 61140	II
Suitable for lamp power (min) (W)	6 W
Suitable for lamp power (max) (W)	11 W
Luminaire efficacy (min) (lm/W)	139 lm/W
Luminaire efficacy (max) (lm/W)	145 lm/W
Maximum system power (W)	11 W
Luminaire efficacy (lm/W)	145 lm/W
Power factor	0.9
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	Open beam
Colour consistency (McAdam ellipse)	SDCM3
Light outlet	Direct
Rated luminous flux according to IEC 62722-2- 1 (min) (lm)	840 lm
Rated luminous flux according to IEC 62722-2- 1 (max) (lm)	1550 lm
Colour of light (alphanumeric)	White
Effective luminous flux (lm)	1550 lm
Colour temperature (min) (K)	4000 K
Colour temperature (max) (K)	4000 K
Flickering value Pst LM	1
Colour rendering index (CRI/Ra)	80-89
Stroboscope effect value SVM	4
Photobiological safety according to EN 62471	RG0
Unified Glare Rating (UGR)	22
Colour temperature switchable	No
Lumen setting adjustable	Positions
Beam angle adjustable	No

Lifetime and capacity	
Rated life time L70/B50 at 25 °C (h)	100000 h
Rated life time L80/B50 at 25 °C	100000 h
Lumen maintenance at median useful life of 35,000 hrs at 25 °C ambient (tq) (%)	93 %
Lumen maintenance at median useful life of 50,000 hrs at 25 °C ambient (tq) (%)	90 %
Lumen maintenance at median useful life of 75,000 hrs at 25 °C ambient (tq) (%)	85 %
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) (%)	5 %
Failure rate at median useful life of 75,000 hrs at 25 °C ambient (tq) (%)	10 %
Rated ambient temperature acc. IEC62722-2-1 (min) (°C)	0 °C
Rated ambient temperature acc. IEC62722-2-1 (max) (°C)	25 °C

Measurements	
Width (mm)	300 mm
Height/depth (mm)	53 mm
Length (mm)	300 mm
Outer diameter (mm)	300 mm