

ENSTO

LUMINAIRES

Building Technology



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Ensto's range of luminaires is suitable for residential buildings, business premises, and official buildings

Ensto's range of high-quality luminaires is perfect for a variety of needs and offers huge possibilities for lighting most types of spaces. The luminaires and their different controls form a functional system worth a closer look.

Good lighting means economy, functionality, and security

At its best, lighting doesn't draw your attention but gives you a good, cosy feeling. A versatile and practical lighting system raises the functional value of your building and increases its commercial value as well. Lighting that is adapted to the use of the space enhances the comfort, security, and cosiness of the space. A good lighting system also saves energy. This applies to home-building as well as to applications in businesses and public buildings.

PIR-controlled lighting has versatile applications

Lighting with PIR (passive infrared) control enhances the comfort of the premises and saves considerable amounts of energy. The most important applications for automatically controlled lighting are premises that are not constantly occupied. Applications for automatically controlled lighting can be found in all places: on office and business premises; in public establishments providing child care, elder care, and medical care; and in residential buildings ranging from one-family houses to blocks of flats. Examples of suitable locations include:

- stairways
- hallways
- entrance-halls
- coffee corners
- cellars and corridors
- carports and garages
- public and private toilets
- stock and service rooms

Prefabricated lighting solutions enable modifiability

Future changes in the use of buildings should be considered as early as in the design and construction phases. Modifiable installation technology is mainly applied in the electrification design.

In practise, 80 to 90% of premises built for investors today are realised with a flexible installation system, while traditional installation systems are mainly used in other buildings. Luminaires compatible with the EnstoNet flexible installation system increase the lighting design possibilities as well. Luminaires that are quick to install, and lighting solutions that are easy to modify, mean clear economic benefit and make it possible for contractors to cope with tight schedules.

Cosiness and ease of use are highlighted in residential buildings

In a well-designed lighting solution, luminaires of optimal size and luminosity are used for each space. The lighting can be as effective as needed, but it can easily be adjusted according to the situation and desired atmosphere – and, above all, turned off whenever it is not needed. Lighting is used for cosiness and security.



Our range of adaptive and functional luminaires completes the look of a space and saves energy

Ensto's electrification expertise has contributed to innovation in the creation of a wide range of systems compatible with lighting solutions. Ensto's versatile range of luminaires accentuates energy savings and functionality. Uniform design is used to give the products versatile applications suitable for many different spaces and purposes. The quality of the products is excellent in terms of every material used and each detail and technical solution. Easy installation has also been an important development target.

Substantial energy savings and functionality

A well-designed lighting solution enables substantial savings in energy costs. Choosing optimal light sources and controls are today's key cost-effectiveness criteria. Passive infrared controls, and the other controls in Ensto's line or the EIB control system based on bus technology, make it possible to design state-of-the-art solutions using Ensto's range of luminaires.

Uniform design creates a uniform line

Ensto's all-round luminaires are designed to comprise a uniform range. The luminaires make it possible to use uniform design both inside and outside a building. They are suitable for humid conditions but are also excellent interior design elements in dry spaces. Uniform stainless steel accessories enhance the modifiability of appearance and the luminaires' versatility of use. You can use products from the same range for different spaces and purposes by just selecting the right size. You can modify the products with dazzle protection rings to build impressive wall lighting or illuminated outdoor areas in which one can move about safely.

Excellent materials and technology

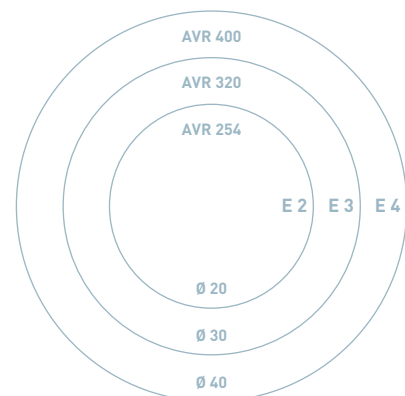
Ensto's luminaires are sturdy and beautiful. Their illumination characteristics are optimised. The opal polycarbonate globe spreads the light evenly over the surface and hides the light source inside. This ensures a harmonious appearance also when the lights are turned off. The luminaires can be used also in the most demanding interior design solutions. In addition, the globes are extremely shockproof.

High-class technology is also part of the advanced safety features in Ensto's products. The luminaires with plastic housing have magnetic reactors and overheating protection that shut them down in fault situations, preventing any damage.+

The units' durability and long life span become visible in, e.g., PIR lighting where the light source is frequently turned on and off. Focusing on this in product development, we have chosen the most reliable options for components like igniters, reactors, and electronic connectors to ensure high quality.

Easy to install

Ensto's luminaires have always been famous for being easy to install. In this respect, the AVR 320 selection represents the newest thinking. We have designed it to be even easier to use and more functional.



You can always find the optimal alternative in the three series of AVR luminaires. The AVR 254 is suitable for small spaces. You can select from among the AVR 400 series to create powerful and impressive lighting for larger spaces that require more light. Between these two series is the third range, the AVR 320 luminaires.

AVR 320



Fix the centre plate in place.



Attach to the housing on the centre plate by rotating.



Connect the wires to the connectors.



Finally, fix the diffuser in place.



Outdoor lighting

Outdoor lighting is an essential part of the lighting of the premises

Design for outdoor lighting emphasises safe walking and arrangements that highlight objects in the vicinity.

To create lighting for walking areas, you can use luminaires that are fixed to walls or lampposts. Good lighting does not dazzle those who arrive by car but, rather, gives sufficient light to the driveway. Good yard lighting illuminates the vicinity in a pleasant way without disturbing the house or the neighbourhood.

Outdoor lighting control increases comfort

We recommended planning the use and control of the outdoor lighting as a unit. There are many simple tricks to control lighting. A light level sensor and a timer make up an easy arrangement for turning the outdoor lighting on and off. A parallel switch installed in a convenient location gives you more possibilities for the operation of your outdoor lighting.

PIR luminaires

An easy solution for increasing the security of walkways and yards is to use PIR luminaires or separate PIR sensors. A passive infrared sensor reacts to the thermal motion of a person by switching the lights on. The lights will be on as long as there is motion in the monitored area, and when the motion ends the light will turn off after a pre-set delay. Using PIR-sensor-controlled lighting is easy and secure due to the automation. Besides, the built-in light level sensor ensures that the lights are on only during daytime, which reduces energy costs.

Separate motion sensors

You can add a motion sensor to an existing lighting system to switch it on when there is movement in the monitored area. In Ensto's newest motion sensors, the monitored area is divided into sectors that trigger different functions. When somebody approaches the motion sensor, it switches the outdoor lighting on, and if the person moves nearer in the security area, a red alarm light will be lit and the system can switch the entrance hall lights on, for example. Turning the indoor lights on gives the impression that you are at home, causing the trespasser to flee. The motion sensor includes monitoring of the back side as well, which makes it impossible to bypass.



A separate motion sensor, Vahti-Jussi, turns the lights on when detecting movement.

Light sources according to need

Several different light sources are used in the outdoor luminaires. The traditional incandescent bulb is still a good alternative, as it is cheap and works even in freezing temperatures. In locations in which lighting needs are greater and lights are on for long periods of time, we recommend using discharge bulbs – e.g., different mercury vapour bulb solutions depending on the light colour desired, or metal halide bulbs. Various halogen bulbs are also a good option for luminaires with a suitable luminosity. Nowadays, many sites are also lit using compact fluorescent bulb luminaires. The benefits are energy-efficient operation and a long life, while disadvantages are slow illumination and poor light output at extremely low temperatures.



PIR-sensor-controlled lighting

The control system is an essential part of planning well-functioning lighting. There are several alternatives and many different ways to use Ensto PIR luminaires as single units and also in systems connected together. Our luminaire selection offers also the possibility to use similar looking slave luminaires together with the PIR luminaires in order to create a uniform design for the lighting.

Benefits of Ensto lighting

- largest range of compact fluorescent and fluorescent lamp PIR luminaires
- sustainable energy savings
- longer maintenance intervals
- no extra switches or buttons
- less theft and vandalism

Ensto PIR luminaires – convenience and cost savings

Ensto's PIR luminaires are an easy way to control lighting in public and residential buildings. Luminaires fitted with passive infrared sensors react to movement in the monitoring area when the light level is low. The luminaires can be used alone or for controlling other luminaires.

Ensto PIR luminaires

- **Increase the convenience and security of the premises**

Increased convenience and security are important in hospitals, homes for the elderly, day care centres, and blocks of service flats.

Automatic lighting increases convenience in basements, attics, stockrooms, etc., as people don't have to put down their load to turn on the lights. Vandalism will decrease, and trespassers will disappear.

- **Save energy**

The luminaires are on only when needed. For instance, in stairways in blocks of flats, sustainable savings can be achieved.

- **Save on installation and maintenance costs**

Savings will be achieved in cabling and connector expenses, for example, as separate connectors are not needed anymore. Consequently, costs arising from vandalism will decrease as well. Lamp-changing interval will be longer, thus saving on maintenance costs

- Take advantage of Ensto's many years of experience as a luminaire manufacturer and an expert in the electrification of buildings
- Allow Ensto PIR luminaire use also for control of other luminaires
- Ensto's PIR luminaires have a parallel family of equivalent luminaires without PIR, making it easy to design impressive lighting arrangements.

- **Give you versatile lighting possibilities**

Ensto's wide range of products and versatile application possibilities offer control logic for every lighting purpose. Ensto's PIR luminaires always have a non-PIR equivalent, which makes it easy to design impressive lighting arrangements.

Find out more about Ensto PIR luminaires and see how much you can save in your own staircase with Ensto PIR luminaires.

www.ensto.com/pir

Our third-generation control unit

For you to get the most from your PIR luminaires, they should fit the environment in which they are installed. Our new PIR control unit is equipped with the latest in software and other technology, making adjustments easier than ever.

Illumination adjustment

An adjustable dusk/dawn level ensures that the lights are automatically switched off during daylight hours. The light level changes with the seasons, so turning the lights on at the same time every day does not do the trick. With Ensto's new PIR sensor, you can choose exactly at what light level the luminaires turn themselves on. When the light is at the preferred level, simply turn the 'lux' dial until the LEDs inside the PIR unit change colour. This sets the lighting to switch on and off at that exact light level every day, so you always have light on when you need it.

Time adjustment 3–30 minutes' adjustable delay

When movement is detected by the PIR sensor, the luminaire turns itself on, and it stays on for as long as there is movement in the area. However, the lights are not immediately shut off after the movement stops, as this would result in luminaires switching on and off too many times a day and thus cause unnecessary wear to the light sources. How long the PIR luminaire stays on after movement in the detection area has ceased is adjustable between three and 30 minutes.

The more traffic, the longer the delay

In order to optimise your energy savings, the delay time should be set according to the amount of traffic in the area. Where there is much traffic, the delay should be set to be longer, to avoid the luminaires switching on and off too often. Where there is less traffic, the delay should be set to be less, to save energy. A laundry for a block of flats is an example of a place where one would expect little traffic, whereas a corridor in an office building typically has heavy traffic and requires longer delays before the lights turn off.



LED lights for easy adjustment

In the new sensor element we have added LED lights. These start flickering in certain situations to aid various adjustments. The LEDs are placed next to the PIR sensor behind the protective plastic cover.



Sensitivity adjustment

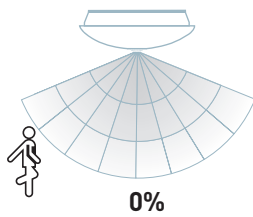
Sometimes the area where a PIR luminaire is installed is subject to interference that can be picked up by the sensor. Starting refrigerators and electrical heaters are examples of appliances that can cause movement in the air. This can be perceived to be physical movement by the PIR sensor and thus turn on the luminaires. The sensor allows you to adjust the sensitivity to ignore such interference.

Test mode

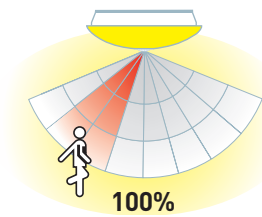
Turning the SENS potentiometer until the LED starts to flicker causes the PIR system to enter a 180-second test mode. During this period, the luminaire can register movement and turns the light on for a few seconds at a time when it does so. This way you can determine the size of the detection area and thereby choose an appropriate installation position for the luminaire.

PIR reaction phases

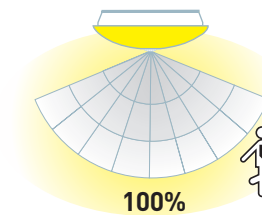
Standard PIR



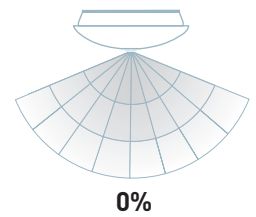
In standby mode, the luminaire is off. The sensor constantly scans for movement.



When the sensor registers movement, PIR is activated and the light level goes to 100%.

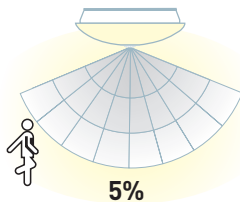


After the sensor stops registering movement, the light stays on for a predetermined delay period of between three and 30 minutes.

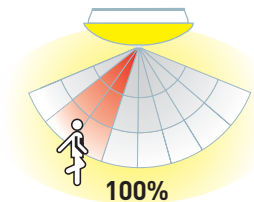


If the sensor does not register movement in that time, the lights turn themselves off.

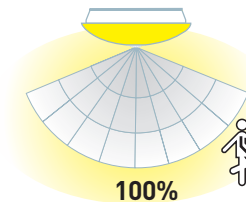
PIR with basic lighting



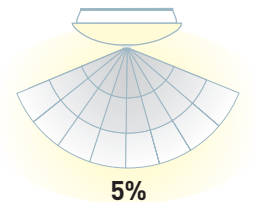
In standby mode, the luminaire operates at 5% of maximum light level and the sensor constantly scans for movement.



When the sensor registers movement, PIR is activated and the light level increases to 100%.



After the sensor stops registering movement, the light remains on for a predetermined delay period of 3–30 minutes.








If the sensor does not register movement during the delay, the lighting returns to its 5% basic level.





Symbols

-  Safety earthed, class I
-  Safety insulated, class II
-  Fixture can be chaired
-  End fixture
-  The branching circuit may be tapped

$3 \times 2,5\text{mm}^2$ The size of the mains connector


850°C Glow-wire test according to standard IEC 695-2-1°C






 Luminaires for direct mounting on normally flammable surfaces




 Ceiling mounting

 Ceiling mounting on flush-box

 Ceiling or wall-mounting

 Ceiling or wall-mounting on flush-box

-  Wall-mounting
-  Wall-mounting on flush-box
-  Flush mounting
-  European norms Electrical Certification
-  Approval registered in Finland

Degree of protection	CEE	DIN 40050 IEC	Location where generally used
Screen protected	—	IP 20	Dry, interior area, low level of dust
Drip-proof		IP 21	Wet area, provided with overhead shelter
Rain-proof		IP 23	Exterior
Splash-proof		IP 44	Damp area, wet area, area subject to fire

All-round luminaires

AVR 254



AVR254 luminaires are all-round luminaires for both wet and dry spaces, indoors and outdoors. These luminaires can be widely used in bathrooms, storage rooms, balconies and in entrance halls in private homes. Luminaire housing is made of light grey polycarbonate and the diffuser is opal acrylic. Together with the AVR320 and AVR400 the AVR254 luminaires build up a uniform luminaire family. AVR254 luminaires are also available in practical ready for installation Sixpacks, including also light sources, colour 830. AVR254 luminaires can be installed both surface and recessed mounted.

TYPE	CODE	DESCRIPTION
AVR254.09	64 186 77 601 590	2x9W TC/G23 230V 50Hz
AVR254.29	64 186 77 601 583	2x9W TC/G23 230V 50Hz
AVR254.29MP	64 186 77 601 699	6xAVR254 2x9W TC/G23 230V 50Hz
AVR254.09E	64 186 77 601 842	2x9W TC-E/2G7 230/240V 0-50/60Hz
AVR254.29E	64 186 77 601 873	2x9W TC-E/2G7 230/240V 0-50/60Hz

AVR254 PIR sensor luminaires with magnetic ballast. Note! Class I luminaire.

AVR254.094	64 186 77 601 910	2x9W TC/G23 230V 50Hz
AVR254.294	64 186 77 601 880	2x9W TC/G23 230V 50Hz

AVR254 PIR sensor luminaires with electronic control gear

AVR254.0/94E	64 186 77 615 979	1x9W TC-E/2G7 230/240V 50/60Hz
AVR254.094E	64 186 77 601 859	2x9W TC-E/2G7 230/240V 50/60Hz
AVR254.294E	64 186 77 601 897	2x9W TC-E/2G7 230/240V 50/60Hz

AVR254 decor rings galvanized pulvercoated steel

AVL40	64 186 77 601 613	White
AVL40.1	64 186 77 601 620	Black
AVL40.2	64 186 77 601 637	Antique silver
AVL40.3	64 186 77 601 644	Steel

AVR254 anti-glare rings galvanized pulvercoated steel

AVL41	64 186 77 601 651	White
AVL41.1	64 186 77 601 668	Black
AVL41.2	64 186 77 601 675	Antique silver
AVL41.3	64 186 77 601 682	Steel

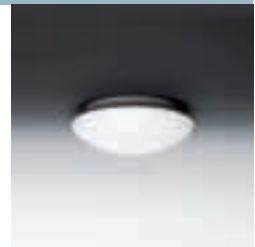
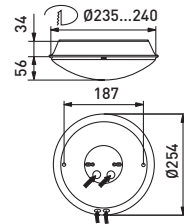
AVR254 polycarbonate cover ring

AVL42	64 186 77 615 559	White
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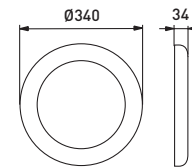
AVR254 spare parts and accessories

AVL39	64 186 77 616 198	AVR254 recessed mounting fastening
AVV254	64 186 77 611 872	Diffuser for AVR254 luminaires, opal acrylic
AVV254.1	64 186 77 611 889	Diffuser for AVR254-PIR luminaires, opal acrylic

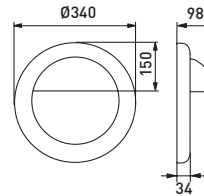
AVR254



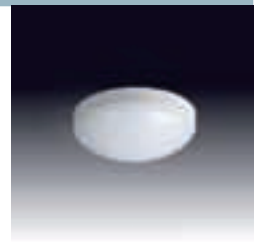
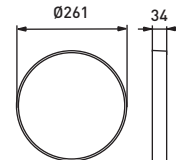
AVL40 ... AVL40.3



AVL41 ... AVL41.3



AVL42



Decor rings for AVR254, AVR320 and AVR400



	WHITE	BLACK	ANTIQUe SILVER	STEEL
AVR254	AVL40	AVL40.1	AVL40.2	AVL40.3
AVR320	AVL45	AVL45.1	AVL45.2	AVL45.3
AVR400	AVL50	AVL50.1	AVL40.2	AVL50.3

• = Light sources included

All-round luminaires

AVR320 and AVC320

IP44 5x2,5mm²

AVR320 is an all-round luminaire with an innovative solutions for easy and fast installation. Luminaire housing is made of white polycarbonate and the diffuser is opal polycarbonate. For each light source type there is a separate whitepainted steel reflectorplate in order to get the best lighttechnical performance for each solution. Together with the AVR254 and AVR400 the AVR320 build up a uniform luminaire family. AVR320 luminaires are suitable for both surface - and recessed mountings.

TYPE	CODE	DESCRIPTION
AVR320	64 186 77 604 058	1x23W max / TC-DSE/E27 230V 50Hz, 3x2,5mm ²
AVR320.1	64 186 77 604 430	1x23W max / TC-DSE/E27 230V 50Hz, 3x2,5mm ²
AVR320.026	64 186 77 604 065	1x26W TC-D/G24d-3 230V 50Hz, 3x2,5mm ²
AVR320.126	64 186 77 604 447	1x26W TC-D/G24d-3 230V 50Hz, 3x2,5mm ²
AVR320.026H	64 186 77 604 072	1x26W TC-DE/G24q-3 230V 50Hz
AVR320.126H	64 186 77 604 454	1x26W TC-DE/G24q-3 230V 50Hz
AVR320.026E	64 186 77 604 089	1x26W TC-DE/G24q-3 230/240V 0-50/60Hz
AVR320.126E	64 186 77 604 461	1x26W TC-DE/G24q-3 230/240V 0-50/60Hz
AVR320.028H	64 186 77 604 157	1x28W TC-DD/GR10q 230V 50Hz
AVR320.128H	64 186 77 604 522	1x28W TC-DD/GR10q 230V 50Hz
AVR320.028E	64 186 77 604 164	1x28W TC-DD/GR10q 230/240V 0-50/60Hz
AVR320.128E	64 186 77 604 539	1x28W TC-DD/GR10q 230/240V 0-50/60Hz
AVR320.018E	64 186 77 604 096	2x18W TC-DE/G24q-2 230/240V 0-50/60Hz
AVR320.218E	64 186 77 604 478	2x18W TC-DE/G24q-2 230/240V 0-50/60Hz
AVR320.018/18E	64 186 77 604 614	18W+18W TC-DE/G24q-2 230/240V 0-50/60Hz
AVR320.218/18E	64 186 77 604 621	18+18W TC-DE/G24q-2 230/240V 0-50/60Hz
AVR320.022CE	64 186 77 604 171	1x22W T5C/2GX13 230/240V 0-50/60Hz

AVR320 PIR with electronic ballast and a relay for controlling the On/Off light levels also through a separate 230 V power supply.

AVR320.2184ER	64 186 77 616 204	2x18W TC-DE/G24q-2 230V 50Hz
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AVC320 luminaires with 3-pole EnstoNet NAC31.W located on the side of the luminaire housing. Note! Protection class IP20.

AVC320.126E	64 186 77 615 887	1x26W TC-DE/G24q-3 230/240V 0-50/60Hz
AVC320.218E	64 186 77 615 894	2x18W TC-DE/G24q-2 230/240V 0-50/60Hz

AVR320 with 1-10V controlled electronic control gear

AVR320.018D	64 186 77 604 126	2x18W TC-DE/G24q-2 230/240V 0-50/60Hz
AVR320.218D	64 186 77 604 508	2x18W TC-DE/G24q-2 230-240V 0/50-60Hz

AVR320 with 1-10V dimmable electronic ballast and a relay for controlling the 5%/100% light levels through a separate 230 V power supply.

AVR320.218DR	64 186 77 616 006	2x18W TC-DE/G24q-2 230V 50Hz
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AVR320 PIR sensor luminaires with electronic control gear

AVR320.018/94E	64 186 77 616 099	9W TC-E/2G7+18W TC-DE/G24q-2 230/240V 50/60Hz
AVR320.0184E	64 186 77 604 102	2x18W TC-DE/G24q-2 230/240V 50/60Hz
AVR320.2184E	64 186 77 604 485	2x18W TC-DE/G24q-2 230/240V 50/60Hz
AVR320.0224CE	64 186 77 604 188	1x22W T5C/2GX13 230/240V 50/60Hz

AVC320 PIR sensor luminaire with electronic control gear. Equipped with 3-pole EnstoNet NAC31.W located on the side of the luminaire housing. Note! Protection class IP20.

AVC320.2184E	64 186 77 615 900	2x18W TC-DE/G24q-2 230/240V 50/60Hz
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AVR320 PIR sensor luminaires with 1-10V dimmable electronic control gear. Basic light level 5% and PIR controlled light level 100%.

AVR320.0186D	64 186 77 604 133	2x18W TC-DE/G24q-2 230/240V 50/60Hz
AVR320.2186D	64 186 77 604 515	2x18W TC-DE/G24q-2 230/240V 50/60Hz

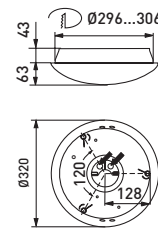
AVR320 decor rings galvanized pulvercoated steel

AVL45	64 186 77 604 195	White
AVL45.1	64 186 77 604 201	Black
AVL45.2	64 186 77 604 218	Antique silver
AVL45.3	64 186 77 604 225	Steel

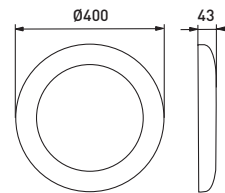
AVR320 spare parts

AVV320	64 186 77 611 896	Diffuser for AVR320 luminaires, opal polycarbonate
AVV320.1	64 186 77 611 902	Diffuser for AVR320-PIR luminaires, opal polycarbonate

AVR320



AVL45 ... AVL45.3



Mounting of AVR320



Fix the centre plate in place.



Attach to the housing on the centre plate by rotating.



Connect the wires to the connectors.



Finally, fix the diffuser in place.

All-round luminaires

AVR 400



AVR400 luminaires are stylish and effective luminaires for entre halls, offices, hotel rooms and also for many uses in homes. Luminaires are suitable for both wet and dry spaces indoors and outdoors. Luminaire housing is made of white polycarbonate and diffuser of opal polycarbonate. With the polycarbonate and steel decor rings the outlook of the luminaire can easily be adjusted to various kind of interiors. AVR 400 build up together with the AVR254 and AVR320 the Ensto three size selection with uniform outlook.

TYPE	CODE	DESCRIPTION
AVR400	64 100 41 175 218	1x100W A60/E27
AVR400.018E	64 100 41 175 331	2x18W TC-L/2G11 230/240V 0-50/60Hz
AVR400.218E	64 100 41 175 225	2x18W TC-L/2G11 230/240V 0-50/60Hz
AVR400.018/9E	64 186 77 612 350	2x18W TC-L/2G11+9/9W TC-E/2G7 230-240V 0-50/60Hz
AVR400.018/18E	64 186 77 604 553	18W+18W TC-L/2G11 230/240V 0-50/60Hz
AVR400.218/18E	64 186 77 600 982	18W+18W TC-L/2G11 230/240V 0-50/60Hz
AVR400.0188E	64 186 77 604 546	2x18W TC-L/2G11 230/240V 0-50/60Hz+E14 max 10W
AVR400.2188E	64 186 77 601 835	2x18W TC-L/2G11 230/240V 0-50/60Hz+E14 max 10W
AVR400.028H	64 100 41 175 461	1x28W TC-DD/GR10q 230V 50Hz
AVR400.128H	64 100 41 175 232	1x28W TC-DD/GR10q 230V 50Hz
AVR400.138H	64 186 77 600 975	1x38W TC-DD/GR10q 230V 50Hz
AVR400.038E	64 100 41 175 362	1x38W TC-DD/GR10q 230/240V 0-50/60Hz
AVR400.138E	64 100 41 175 249	1x38W TC-DD/GR10q 230/240V 0-50/60Hz
AVR400.055CE	64 100 41 175 270	1x55W T5C/2GX13 230/240V 0-50/60Hz

AVR400 with 1-10V controlled electronic control gear

AVR400.018D	64 186 77 601 255	2x18W TC-L/2G11 230/240V 0-50/60Hz
AVR400.218D	64 186 77 616 228	2x18W TC-L/2G11 230/240V 0-50/60Hz

AVR400 with 1-10V dimmable electronic ballast and a relay for controlling the 5%/100% light levels through a separate 230 V power supply.

AVR400.218DR	64 186 77 616 013	2x18W TC-L/2G11 230V 50Hz
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AVR400 PIR sensor luminaires with electronic control gear

AVR400.1184E	64 186 77 616 136	1x18W TC-L/2G11 230/240V 50/60Hz
AVR400.0184E	64 100 41 175 478	2x18W TC-L/2G11 230/240V 50/60Hz
AVR400.2184E	64 100 41 175 423	2x18W TC-L/2G11 230/240V 50/60Hz
AVR400.218/94E	64 186 77 616 143	9W TC-E/2G7+18W TC-L/2G11 230/240V 50/60Hz
AVR400.018/184E	64 186 77 616 105	18W+18W TC-L/2G11 230/240V 50/60Hz
AVR400.018/94E	64 186 77 616 112	2x18W TC-L/2G11+2x9W TC-E/2G7 230/240V 50/60Hz
AVR400.418/94E	64 186 77 616 129	2x18W TC-L/2G11+2x9W TC-E/2G7 230/240V 50/60Hz
AVR400.0554CE	64 100 41 175 447	1x55W T5C/2GX13 230/240V 50/60Hz

AVR400 PIR with electronic ballast and a relay for controlling the On/Off light levels also through a separate 230 V power supply.

AVR400.2184ER	64 186 77 616 211	2x18W TC-L/2G11 230V 50Hz
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AVR400 PIR sensor luminaires with 1-10V dimmable electronic control gear. Basic light level 5% and PIR controlled light level 100%.

AVR400.0186D	64 186 77 601 224	2x18W TC-L/2G11 230/240V 50/60Hz
AVR400.2186D	64 186 77 616 150	2x18W TC-L/2G11 230/240V 50/60Hz
AVR400.018/186D	64 186 77 604 409	18W+18W TC-L/2G11 230/240V 50/60Hz

AVR400 PIR sensor luminaire with electronic control gear. Equipped with an extra 2G7 lamp holder for separate security package.

AVR400.018/97E	64 186 77 602 801	2x18W TC-L/2G11+9TC-E/2G7 230/240V 50/60Hz+2G7
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AVR400 polycarbonate decor rings

AVL52	64 100 41 179 520	White
AVL52/AL	64 100 41 179 537	Aluminium
AVL54	64 186 77 600 388	Steel

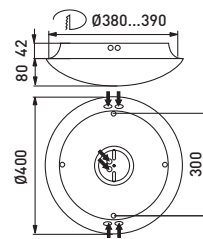
AVR400 decor rings galvanized pulvercoated steel

AVL50	64 186 77 604 256	White
AVL50.1	64 186 77 604 263	Black
AVL50.2	64 186 77 604 270	Antique silver
AVL50.3	64 186 77 604 287	Steel

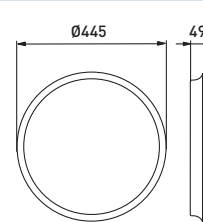
AVR400 spare parts

AVV400	64 186 77 611 926	Diffuser for AVR400 luminaires
AVV400.1	64 186 77 611 933	Diffuser for AVR400 luminaires, opal polycarbonate

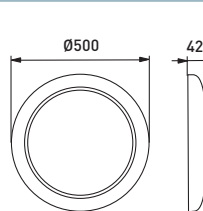
AVR400



AVL52 ... AVL 54



AVL50 ... AVL50.3



All-round luminaires

AVR 1



The AVR 1 is an all-round luminaire made of impact resistant, non-corrosive, weather proof polycarbonate. It is suitable for both indoor and outdoor use. The various energy saving light sources and accessories enable many different installation solutions in both public and private buildings.

TYPE	CODE	DESCRIPTION
AVR1.09	64 100 41 172 583	2x9W TC/G23 230V 50Hz
AVR1.29	64 100 41 173 931	2x9W TC/G23 230V 50Hz
AVR1.09E	64 186 77 604 362	2x9W TC-E/2G7 230/240V 0-50/60Hz
AVR1.29E	64 186 77 604 386	2x9W TC-E/2G7 230/240V 0-50/60Hz
AVR1.09/9E	64 186 77 603 983	9+9W TC-E/2G7 230/240V 0-50/60Hz
AVR1.29/9E	64 186 77 604 294	9+9W TC-E/2G7 230/240V 0-50/60Hz
AVR1.011	64 100 41 172 644	1x11W TC/G23 230V 50Hz
AVR1.111	64 100 41 174 020	1x11W TC/G23 230V 50Hz
AVR1.011H	64 186 77 602 672	1x11W TC-E/2G7 230V 50Hz
AVR1.111H	64 186 77 607 257	1x11W TC-E/2G7 230V 50Hz
AVR1.016	64 186 77 600 166	1x16W TC-DD/GR10q 230V 50Hz
AVR1.116	64 100 41 174 051	1x16W TC-DD/GR10q 230V 50Hz
AVR1.016H	64 100 41 172 811	1x16W TC-DD/GR10q 230V 50Hz
AVR1.116H	64 100 41 174 037	1x16W TC-DD/GR10q 230V 50Hz
AVR1.018	64 100 41 172 705	1x18W TC-L/2G11 230V 50Hz
AVR1.118	64 100 41 174 082	1x18W TC-L/2G11 230V 50Hz
AVR1.018H	64 100 41 172 835	1x18W TC-L/2G11 230V 50Hz
AVR1.118H	64 100 41 174 044	1x18W TC-L/2G11 230V 50Hz
AVR1.018E	64 100 41 172 873	1x18W TC-L/2G11 230/240V 0-50/60Hz
AVR1.118E	64 100 41 174 099	1x18W TC-L/2G11 230/240V 0-50/60Hz
AVR1.028	64 100 41 172 767	1x28W TC-DD/GR10q 230V 50Hz
AVR1.128	64 100 41 174 112	1x28W TC-DD/GR10q 230V 50Hz
AVR1.028H	64 100 41 172 842	1x28W TC-DD/GR10q 230V 50Hz
AVR1.128H	64 100 41 174 068	1x28W TC-DD/GR10q 230V 50Hz

AVR1 PIR sensor luminaires with electronic control gear

AVR1.09/94E	64 186 77 616 051	9+9W TC-E/2G7 230/240V 50/60Hz
AVR1.29/94E	64 186 77 616 082	9+9W TC-E/2G7 230/240V 50/60Hz
AVR1.094E	64 186 77 603 990	2x9W TC-E/2G7 230/240V 50/60Hz
AVR1.294E	64 186 77 604 300	2x9W TC-E/2G7 230/240V 50/60Hz

AVR1 PIR sensor luminaires with electronic control gear. Diffuser locked with security screw.

AVR1.09/94E/S	64 186 77 616 068	9+9W TC-E/2G7 230/240V 50/60Hz
AVR1.094E/S	64 186 77 616 075	2x9W TC-E/2G7 230/240V 50/60Hz

AVR1 PIR sensor luminaires with magnetic ballast. Diffuser locked with security screw.

AVR1.094/S	64 186 77 604 591	2x9W TC/G23 230V 50Hz
AVR1.294/S	64 186 77 614 316	2x9W TC/G23 230V 50Hz

AVR1 polycarbonate recessing frames

AVL21	64 100 41 173 696	White
AVL21/G	64 100 41 173 757	Brass

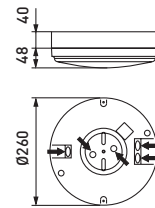
AVR1 polycarbonate decor rings

AVL28	64 100 41 170 091	White
AVL28/AL	64 100 41 175 324	Aluminium
AVL28/A	64 100 41 170 152	Chrome
AVL28/G	64 100 41 170 121	Brass

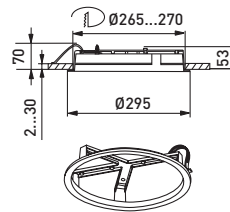
AVR1 spare parts

AVV1	64 186 77 611 711	Diffuser for AVR1 luminaires, opal polycarbonate
AVV1.1	64 186 77 611 728	Diffuser for AVR1 luminaires, opal polycarbonate, UV-stop
AVV1.2	64 186 77 611 735	Diffuser for AVR1-PIR luminaires, opal polycarbonate
AVV1.3	64 186 77 611 742	Diffuser for AVR1-PIR luminaires, opal polycarbonate, UV-stop

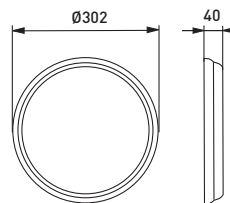
AVR1



AVL21



AVL28



Ensto's sixpacks



AVR4MP



AVR254MP



AVR6

All-round luminaires

AVR 4



This luminaire is suitable for both indoor and outdoor installation, also in wet areas such as bathrooms and swimming pool areas. Due to the impact resistant material it provides a good solution in areas such as staircases and other public locations. The AVR 4 basic luminaire with its half-round diffuser enables also the use of energy saving compact fluorescent lamps as well as incandescent lamps, max. 75 W. Also various models with compact fluorescent lamps are available. Alternative styles can be achieved by the use of recess frames and decor rings.

TYPE	CODE	DESCRIPTION
AVR4	64 100 41 170 008	1x75W A60/E27 230V
AVR4MP	64 186 77 601 705	6 x AVR4 1x75W A60/E27
AVR4.09	64 100 41 172 910	2x9W TC/G23 240V 50Hz
AVR4.29	64 100 41 174 235	2x9W TC/G23 240V 50Hz
AVR4.09E	64 186 77 604 027	2x9W TC-E/2G7 230/240V 0-50/60Hz
AVR4.29E	64 186 77 604 331	2x9W TC-E/2G7 230/240V 0-50/60Hz
AVR4.09/9E	64 186 77 604 010	9+9W TC-E/2G7 230/240V 0-50/60Hz
AVR4.29/9E	64 186 77 604 324	9+9W TC-E/2G7 230/240V 0-50/60Hz
AVR4.011	64 100 41 172 972	1x11W TC/G23 230V 50Hz
AVR4.111	64 100 41 174 143	1x11W TC/G23 230V 50Hz
AVR4.011H	64 186 77 610 066	1x11W TC-E/2G7 230V 50Hz
AVR4.111H	64 186 77 607 752	1x11W TC-E/2G7 230V 50Hz
AVR4.016	64 100 41 173 009	1x16W TC-DD/GR10q 230V 50Hz
AVR4.116	64 100 41 174 174	1x16W TC-DD/GR10q 230V 50Hz
AVR4.016H	64 186 77 600 289	1x16W TC-DD/GR10q 230V 50Hz
AVR4.116H	64 100 41 174 273	1x16W TC-DD/GR10q 230V 50Hz
AVR4.018	64 100 41 173 030	1x18W TC-L/2G11 230V 50Hz
AVR4.118	64 100 41 174 204	1x18W TC-L/2G11 230V 50Hz
AVR4.018H	64 100 41 173 054	1x18W TC-L/2G11 230V 50Hz
AVR4.118H	64 100 41 174 228	1x18W TC-L/2G11 230V 50Hz
AVR4.018E	64 100 41 173 085	1x18W TC-L/2G11 230/240V 0-50/60Hz
AVR4.118E	64 100 41 174 259	1x18W TC-L/2G11 230/240V 0-50/60Hz

AVR4 polycarbonate recessing frames

AVL21	64 100 41 173 696	White
AVL21/G	64 100 41 173 757	Brass

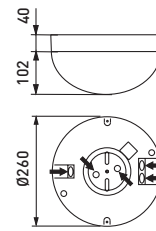
AVR4 polycarbonate decor rings

AVL28	64 100 41 170 091	White
AVL28/AL	64 100 41 175 324	Aluminium
AVL28/A	64 100 41 170 152	Chrome
AVL28/G	64 100 41 170 121	Brass

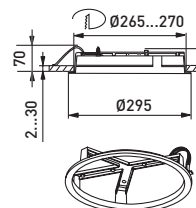
AVR4 spare parts

AVV4	64 186 77 611 919	Diffuser for AVR4 luminaires, opal polycarbonate
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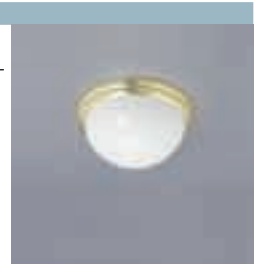
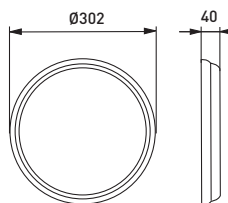
AVR4



AVL21



AVL28



All-round luminaires

AVR 14



The AVR 14 is a composed luminaire for public and residential locations such as corridors, halls, entrances, staircases, terraces and balconies. The luminaire is suitable for use in dry and wet conditions, both indoors and outdoors, and can be ceiling or wall mounted. The light distribution has also an indirect component which gives a smooth indirect light to the ceiling or wall surface. AVR14 is available with 75W incandescent lamp and also with various compact fluorescent lamps.

TYPE	CODE	DESCRIPTION
AVR14	64 100 41 170 480	1x75W A60/E27 230V
AVR14.09	64 100 41 170 497	2x9W TC/G23 230V 50Hz
AVR14.29	64 100 41 175 027	2x9W TC/G23 230V 50Hz
AVR14.09E	64 186 77 604 041	2x9W TC-E/2G7 230/240V 0-50/60Hz
AVR14.29E	64 186 77 604 355	2x9W TC-E/2G7 230/240V 0-50/60Hz
AVR14.09/9E	64 186 77 604 034	9+9W TC-E/2G7 230/240V 0-50/60Hz
AVR14.29/9E	64 186 77 604 348	9+9W TC-E/2G7 230/240V 0-50/60Hz
AVR14.016	64 100 41 171 838	1x16W TC-DD/GR10q 230V 50Hz
AVR14.116	64 100 41 175 164	1x16W TC-DD/GR10q 230V 50Hz
AVR14.016H	64 100 41 171 906	1x16W TC-DD/GR10q 230V 50Hz
AVR14.116H	64 100 41 175 171	1x16W TC-DD/GR10q 230V 50Hz
AVR14.018	64 100 41 171 869	1x18W TC-L/2G11 230V 50Hz
AVR14.118	64 100 41 175 188	1x18W TC-L/2G11 230V 50Hz
AVR14.018E	64 100 41 171 944	1x18W TC-L/2G11 230/240V 0-50/60Hz
AVR14.118E	64 100 41 176 185	1x18W TC-L/2G11 230/240V 0-50/60Hz
AVR14.018H	64 100 41 171 913	1x18W TC-L/2G11 230V 50Hz
AVR14.118H	64 100 41 175 195	1x18W TC-L/2G11 230V 50Hz
AVR14.028	64 100 41 171 890	1x28W TC-DD/GR10q 230V 50Hz
AVR14.128	64 100 41 175 287	1x28W TC-DD/GR10q 230V 50Hz
AVR14.028H	64 100 41 171 937	1x28W TC-DD/GR10q 230V 50Hz
AVR14.128H	64 100 41 175 294	1x28W TC-DD/GR10q 230V 50Hz

AVR14 polycarbonate recessing frames

AVL21	64 100 41 173 696	White
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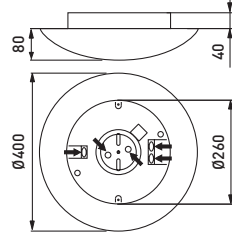
AVR14 polycarbonate decor rings

AVL28	64 100 41 170 091	White
AVL28/A	64 100 41 170 152	Chrome
AVL28/AL	64 100 41 175 324	Aluminium
AVL28/G	64 100 41 170 121	Brass

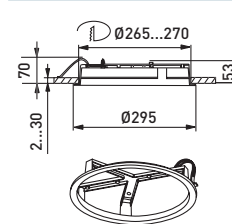
AVR14 spare parts

AVV14	64 186 77 611 780	Diffuser for AVR14 luminaires
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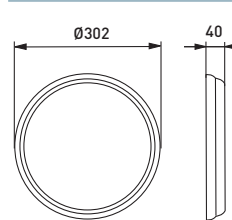
AVR14



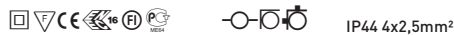
AVL21



AVL28



AVR 70



Basic all-round luminaire with square polycarbonate housing. Diffuser made of opal polycarbonate. Light source 75W incandescent lamp. Can be used both in ceiling and wall installations. Easy installation with the help of transparent, turnable installation base. Snowshield available for wall installations.

TYPE	CODE	DESCRIPTION
AVR70	64 100 41 170 695	1x75W A60/E27 230V

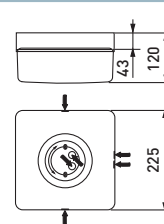
AVR70 PIR sensor luminaire

AVR70.4	64 186 77 601 262	1x75W A60/E27 230V 50Hz
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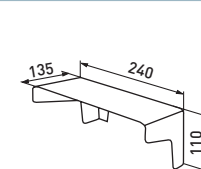
AVR70 accessories and spare parts

AVL30	64 100 41 171 050	Snow shield for AVR70 luminaires, white steel
AVV70	64 186 77 611 964	Diffuser for AVR70 luminaires, opal polycarbonate

AVR70



AVL30



All-round luminaires

AVR 71

IP44 4x2,5mm²

A luminaire designed for displaying house numbers or information in commercial locations such as public buildings, shops, hotels, airports, bus stations etc. Due to the triangular design the symbols are visible from all directions. For 75 W incandescent lamp or compact fluorescent lamp 18 W. Snowshield available for wall installations.

TYPE	CODE	DESCRIPTION
AVR71	64 100 41 170 725	1x75W A60/E27 230V
AVR71.018	64 100 41 170 732	1x18W TC-L/2G11 230V 50Hz
AVR71.118	64 100 41 173 818	1x18W TC-L/2G11 230V 50Hz
AVR71.018H	64 186 77 600 340	1x18W TC-L/2G11 230V 50Hz

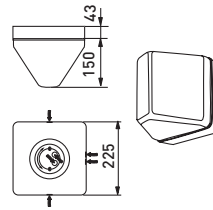
AVR71 PIR sensor luminaire

AVR71.4	64 186 77 601 279	1x60W A60/E27 230V 50Hz
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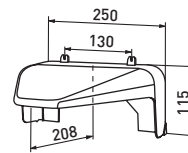
AVR71 accessories and spare parts

AVL68	64 100 41 171 111	Snow shield, white
AVL68.1	64 100 41 171 142	Snow shield, black
AVV71	64 186 77 611 995	Diffuser for AVR71 luminaires, opal polycarbonate

AVR71



AVL68 ... AVL68.1



AVR 72

IP44 4x2,5mm²

Slimline luminaire for compact fluorescent lamps. Suitable both for indoor and outdoor installations on ceilings or walls. Housing and diffuser made of impact resistant polycarbonate.

TYPE	CODE	DESCRIPTION
AVR72.011	64 186 77 600 142	1x11W TC/G23 230V 50Hz
AVR72.111	64 100 41 174 297	1x11W TC/G23 230V 50Hz
AVR72.016	64 100 41 173 306	1x16W TC-DD/GR10q 230V 50Hz
AVR72.116	64 100 41 174 327	1x16W TC-DD/GR10q 230V 50Hz
AVR72.016H	64 100 41 173 375	1x16W TC-DD/GR10q 230V 50Hz
AVR72.018	64 100 41 173 337	1x18W TC-L/2G11 230V 50Hz
AVR72.118	64 100 41 174 358	1x18W TC-L/2G11 230V 50Hz
AVR72.018H	64 100 41 173 382	1x18W TC-L/2G11 230V 50Hz
AVR72.018E	64 100 41 173 443	1x18W TC-L/2G11 230/240V 0-50/60Hz
AVR72.028	64 186 77 600 159	1x28W TC-DD/GR10q 230V 50Hz
AVR72.128	64 100 41 174 389	1x28W TC-DD/GR10q 230V 50Hz
AVR72.028H	64 100 41 173 405	1x28W TC-DD/GR10q 230V 50Hz

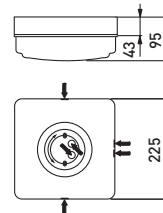
AVR72 PIR sensor luminaire

AVR72.0184E	64 186 77 601 538	1x18W TC-L/2G11 230/240V 50/60Hz
AVR72.1184E	64 186 77 601 521	1x18W TC-L/2G11 230/240V 50/60Hz

AVR72 spare parts

AVV72	64 186 77 612 008	Diffuser for AVR72 luminaires, opal polycarbonate
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AVR72



AVR2 and AVR2.1

IP44 3x2,5mm²

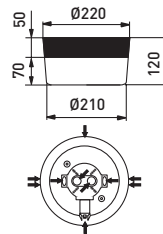
Impact all-round luminaire of polycarbonate for all kind of uses indoors and outdoors. Light source max 75W incandescent lamp.

TYPE	CODE	DESCRIPTION
AVR2	64 100 41 175 409	1x75W A60/E27 230V, black/opal
AVR2.1	64 186 77 601 484	1x75W A60/E27 230V, white/opal

AVR2/2.1 spare parts



AVV2	64 186 77 611 834	Diffuser for AVR2/2.1 luminaires, opal polycarbonate
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AVR2 ... AVR2.1



All-round luminaires

AVR 12


 IP44 3x2,5mm²

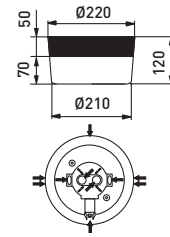
AVR 12 is a timeless and hard-wearing luminaire made of impact resistant polycarbonate with prismatic clear diffuser and white base. It suits both dry and wet locations, indoors as well as outdoors. This luminaire is used in basements, attics etc. Light source max 75W incandescent lamp.

TYPE	CODE	DESCRIPTION
AVR12	64 100 41 170 510	1x75W A60/E27 230V, white/clear



AVR12 spare parts

AVV12	64 186 77 611 773	Diffuser for AVR12 luminaires, clear polycarbonate
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AVR12



AVR 16


 IP44 5x2,5mm²

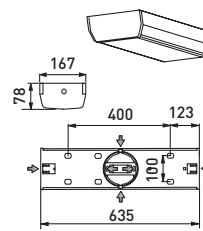
Luminaire with opal splash-proof diffuser. This luminaire is ideal for environments where impact resistance and corrosion resistance is an important consideration. Housing and diffuser made of polycarbonate.

TYPE	CODE	DESCRIPTION
AVR16.0	64 100 41 172 286	2x18W T8/G13 230V 50Hz

AVR16 spare parts

AVV16	64 186 77 615 542	Diffuser for AVR16.0 luminaire, opal polycarbonate
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AVR16.0



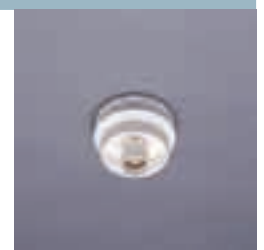
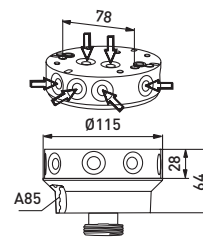
AVR 6


 IP34

Luminaire base with junction box for damp and dry conditions. Can be used with all diffusers with A85 standard fastening. Suitable for max 60W incandescent lamps.

TYPE	CODE	DESCRIPTION
AVR6	64 100 41 170 398	1x60W A60/E27 230V
AVR6MP	64 186 77 615 528	6pcs AVR6 1x60W A60/E27
AVRN6	64 186 77 603 549	1x60W A60/E27 230V

AVR6



AVR20.1


 IP44

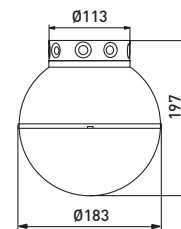
Globe luminaire with junction box for surface mounting. The junction box has ten fixed membranes around the sides and two on the bottom. Light source 60 W incandescent lamp.

TYPE	CODE	DESCRIPTION
AVR20.1	64 100 41 170 428	1x60W A60/E27 230V
AVRN20.1	64 186 77 603 532	1x60W A60/E27 230V

AVR20/20.1 spare parts

AVV20	64 186 77 611 841	Diffuser for AVR20/20.1 luminaires, opal polycarbonate
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AVR20.1



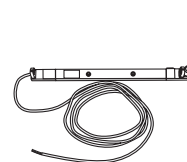
AVK38


 IP20

Small luminaire housing without control gear for T8 (Ø 26mm) fluorescent lamps for different kind of furniture manufacturers. Housing is white painted aluminium 32x15 mm and end caps of white polycarbonate. Luminaires include cord and switch. Delivered only on full pallets of 100 pcs on pallet. Luminaires are not individually packed.

TYPE	CODE	DESCRIPTION
Including switch and 5m white cable 3x0,75mm²		
AVK38.15	64 186 77 602 351	JONOLUX 1x15W T8/G13, 3x0,75mm ² /5m, 488mm
AVK38.18	64 186 77 602 368	JONOLUX 1x18W T8/G13, 3x0,75mm ² /5m, 640mm
AVK38.30	64 186 77 602 399	JONOLUX 1x30W T8/G13, 3x0,75mm ² /5m, 945mm
AVK38.36	64 186 77 602 412	JONOLUX 1x36W T8/G13, 3x0,75mm ² /5m, 1250mm
AVK38.58	64 186 77 602 436	JONOLUX 1x58W T8/G13, 3x0,75mm ² /5m, 1550mm

AVK38



PIR-luminaires

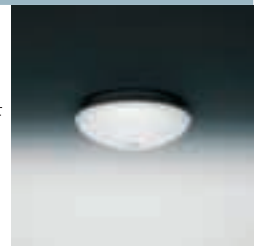
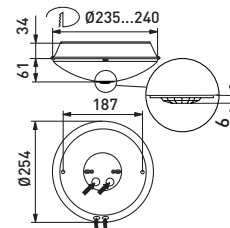
AVR254 PIR

IP54 4x2,5mm²

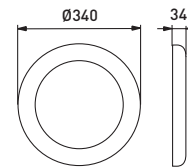
AVR254PIR-luminaires are all-round luminaires for both wet and dry spaces, indoors and outdoors. These PIR-luminaires can be widely used in bathrooms, storage rooms, balconies and in entrance halls in private homes. Luminaire housing is made of light grey polycarbonate and the diffuser is opal acrylic. Together with the AVR320 and AVR400PIR-luminaires the AVR254PIR-luminaires build up a uniform luminaire family. AVR254PIR-luminaires can be installed both surface and recessed mounted.

TYPE	CODE	DESCRIPTION
AVR254 PIR sensor luminaires with magnetic ballast. Note! Class I luminaire.		
AVR254.094	64 186 77 601 910	2x9W TC/G23 230V 50Hz
AVR254.294	64 186 77 601 880	2x9W TC/G23 230V 50Hz
AVR254 PIR sensor luminaires with electronic control gear		
AVR254.0/94E	64 186 77 615 979	1x9W TC-E/2G7 230/240V 50/60Hz
AVR254.094E	64 186 77 601 859	2x9W TC-E/2G7 230/240V 50/60Hz
AVR254.294E	64 186 77 601 897	2x9W TC-E/2G7 230/240V 50/60Hz
AVR254 decor rings galvanized pulvercoated steel		
AVL40	64 186 77 601 613	White
AVL40.1	64 186 77 601 620	Black
AVL40.2	64 186 77 601 637	Antique silver
AVL40.3	64 186 77 601 644	Steel
AVR254 polycarbonate cover ring		
AVL42	64 186 77 615 559	White
AVR254-PIR spare parts and accessories		
AVL39	64 186 77 616 198	AVR254 recessed mounting fastening
AVV254.1	64 186 77 611 889	Diffuser for AVR254-PIR luminaires, opal acrylic

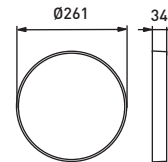
AVR254 PIR



AVL40 ... AVL40.3



AVL42



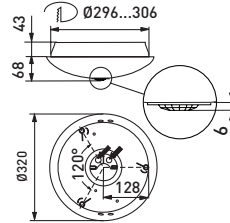
AVR320 PIR

IP44 5x2,5mm²

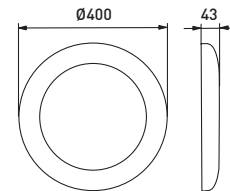
AVR320PIR-luminaires are all-round luminaire with an innovative solutions for easy and fast installation. Luminaire housing is made of white polycarbonate and the diffuser is opal polycarbonate. For each light source type there is a separate whitepainted steel reflectorplate in order the to get the best lighttechnical performance for each sollution. Together with the AVR254 and AVR400PIR-luminaires the AVR320PIR-luminaires build up a uniform luminaire family. AVR320PIR-luminaires are suitable for both surface - and recessed mountings. For even faster installations for surface mountings there is a model AVC320PIR, which has the EnstoNet NAC31.W connector in the side of the luminaire housing and includes also the light sources (colour 830). AVC320PIR installation and connection can be done without opening the luminaire.

TYPE	CODE	DESCRIPTION
AVR320 PIR sensor luminaires with electronic control gear		
AVR320.018/94E	64 186 77 616 099	9W TC-E/2G7+18W TC-DE/G24q-2 230/240V 50/60Hz
AVR320.0184E	64 186 77 604 102	2x18W TC-DE/G24q-2 230/240V 50/60Hz
AVR320.2184E	64 186 77 604 485	2x18W TC-DE/G24q-2 230/240V 50/60Hz
AVR320.0224CE	64 186 77 604 188	1x22W T5C/2GX13 230/240V 50/60Hz
AVR320 PIR with electronic ballast and a relay for controlling the On/Off light levels also through a separate 230 V power supply.		
AVR320.2184ER	64 186 77 616 204	2x18W TC-DE/G24q-2 230V 50Hz
AVR320 PIR sensor luminaires with 1-10V dimmable electronic control gear. Basic light level 5% and PIR controlled light level 100%.		
AVR320.0186D	64 186 77 604 133	2x18W TC-DE/G24q-2 230/240V 50/60Hz
AVR320.2186D	64 186 77 604 515	2x18W TC-DE/G24q-2 230/240V 50/60Hz
AVC320 PIR sensor luminaire with electronic control gear. Equipped with 3-pole EnstoNet NAC31.W located on the side of the luminaire housing. Note! Protection class IP20.		
AVC320.2184E	64 186 77 615 900	2x18W TC-DE/G24q-2 230/240V 50/60Hz
AVR320 decor rings galvanized pulvercoated steel		
AVL45	64 186 77 604 195	White
AVL45.1	64 186 77 604 201	Black
AVL45.2	64 186 77 604 218	Antique silver
AVL45.3	64 186 77 604 225	Steel
AVR320-PIR spare parts		
AVV320.1	64 186 77 611 902	Diffuser for AVR320-PIR luminaires, opal polycarbonate

AVR320 PIR



AVL45 ... AVL45.3



PIR-luminaires

AVR 400 PIR



AVR400PIR-luminaires are stylish and effective luminaires for entre halls, offices, hotel rooms and also for many uses in homes. Luminaires are suitable for both wet and dry spaces indoors and outdoors. Luminaire housing is made of white polycarbonate and diffuser of opal polycarbonate. With the polycarbonate and steel decor rings the outlook of the luminaire can easily be adjusted to various kind of interiors. AVR400PIR-luminaires build up together with the AVR254 and AVR320PIR-luminaires the Ensto three size selection with uniform outlook.

TYPE	CODE	DESCRIPTION
AVR400 PIR sensor luminaires with electronic control gear		
AVR400.1184E	64 186 77 616 136	1x18W TC-L/2G11 230/240V 50/60Hz
AVR400.0184E	64 100 41 175 478	2x18W TC-L/2G11 230/240V 50/60Hz
AVR400.2184E	64 100 41 175 423	2x18W TC-L/2G11 230/240V 50/60Hz
AVR400.218/94E	64 186 77 616 143	9W TC-E/2G7+18W TC-L/2G11 230/240V 50/60Hz
AVR400.018/184E	64 186 77 616 105	18W+18W TC-L/2G11 230/240V 50/60Hz
AVR400.018/94E	64 186 77 616 112	2x18W TC-L/2G11+2x9W TC-E/2G7 230/240V 50/60Hz
AVR400.418/94E	64 186 77 616 129	2x18W TC-L/2G11+2x9W TC-E/2G7 230/240V 50/60Hz
AVR400.0554CE	64 100 41 175 447	1x55W T5C/2GX13 230/240V 50/60Hz

AVR400 PIR with electronic ballast and a relay for controlling the On/Off light levels also through a separate 230 V power supply.

AVR400.2184ER	64 186 77 616 211	2x18W TC-L/2G11 230V 50Hz
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AVR400 PIR sensor luminaires with 1-10V dimmable electronic control gear. Basic light level 5% and PIR controlled light level 100%.

AVR400.0186D	64 186 77 601 224	2x18W TC-L/2G11 230/240V 50/60Hz
AVR400.2186D	64 186 77 616 150	2x18W TC-L/2G11 230/240V 50/60Hz
AVR400.018/186D	64 186 77 604 409	18W+18W TC-L/2G11 230/240V 50/60Hz

AVR400 PIR sensor luminaire with electronic control gear. Equipped with an extra 2G7 lamp holder for separate security package.

AVR400.018/97E	64 186 77 602 801	2x18W TC-L/2G11+9TC-E/2G7 230/240V 50/60Hz+2G7
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AVR400 polycarbonate decor rings

AVL52	64 100 41 179 520	White
AVL52/AL	64 100 41 179 537	Aluminium
AVL54	64 186 77 600 388	Steel

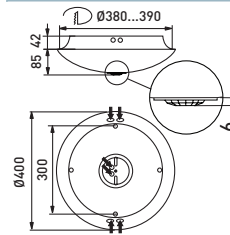
AVR400 decor rings galvanized pulvercoated steel

AVL50	64 186 77 604 256	White
AVL50.1	64 186 77 604 263	Black
AVL50.2	64 186 77 604 270	Antique silver
AVL50.3	64 186 77 604 287	Steel

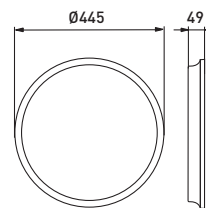
AVR400-PIR spare parts

AVV400.1	64 186 77 611 933	Diffuser for AVR400 luminaires, opal polycarbonate
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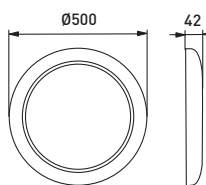
AVR400 PIR



AVL52 ... AVL 54



AVL50 ... AVL50.3



PIR-luminaires

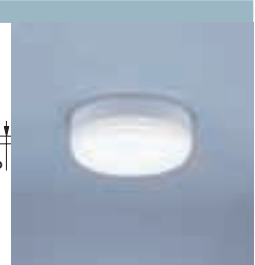
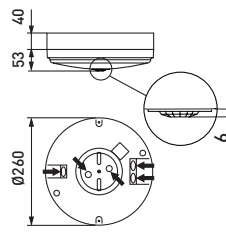
AVR 1 PIR



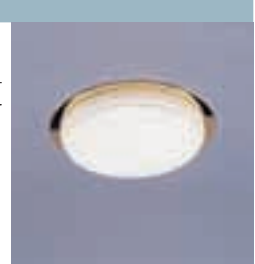
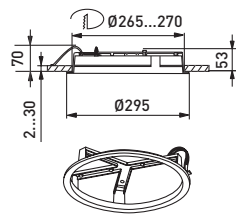
The AVR1PIR-luminaires are all-round luminaires made of impact resistant, non-corrosive, weather proof polycarbonate. They is suitable for both indoor and outdoor use. Energy saving light sources and accessories enable many different, energy saving installations in both residential and non-residential buildings.

TYPE	CODE	DESCRIPTION
AVR1 PIR sensor luminaires with electronic control gear		
AVR1.09/94E	64 186 77 616 051	9+9W TC-E/2G7 230/240V 50/60Hz
AVR1.29/94E	64 186 77 616 082	9+9W TC-E/2G7 230/240V 50/60Hz
AVR1.094E	64 186 77 603 990	2x9W TC-E/2G7 230/240V 50/60Hz
AVR1.294E	64 186 77 604 300	2x9W TC-E/2G7 230/240V 50/60Hz
AVR1 PIR sensor luminaires with electronic control gear. Diffuser locked with security screw.		
AVR1.09/94E/S	64 186 77 616 068	9+9W TC-E/2G7 230/240V 50/60Hz
AVR1.094E/S	64 186 77 616 075	2x9W TC-E/2G7 230/240V 50/60Hz
AVR1 PIR sensor luminaires with magnetic ballast. Diffuser locked with security screw.		
AVR1.094/S	64 186 77 604 591	2x9W TC/G23 230V 50Hz
AVR1.294/S	64 186 77 614 316	2x9W TC/G23 230V 50Hz
AVR1 polycarbonate recessing frames		
AVL21	64 100 41 173 696	White
AVL21/G	64 100 41 173 757	Brass
AVR1 polycarbonate decor rings		
AVL28	64 100 41 170 091	White
AVL28/AL	64 100 41 175 324	Aluminium
AVL28/A	64 100 41 170 152	Chrome
AVL28/G	64 100 41 170 121	Brass
AVR1 spare parts		
AVV1.2	64 186 77 611 735	Diffuser for AVR1-PIR luminaires, opal polycarbonate
AVV1.3	64 186 77 611 742	Diffuser for AVR1-PIR luminaires, opal polycarbonate, UV-stop

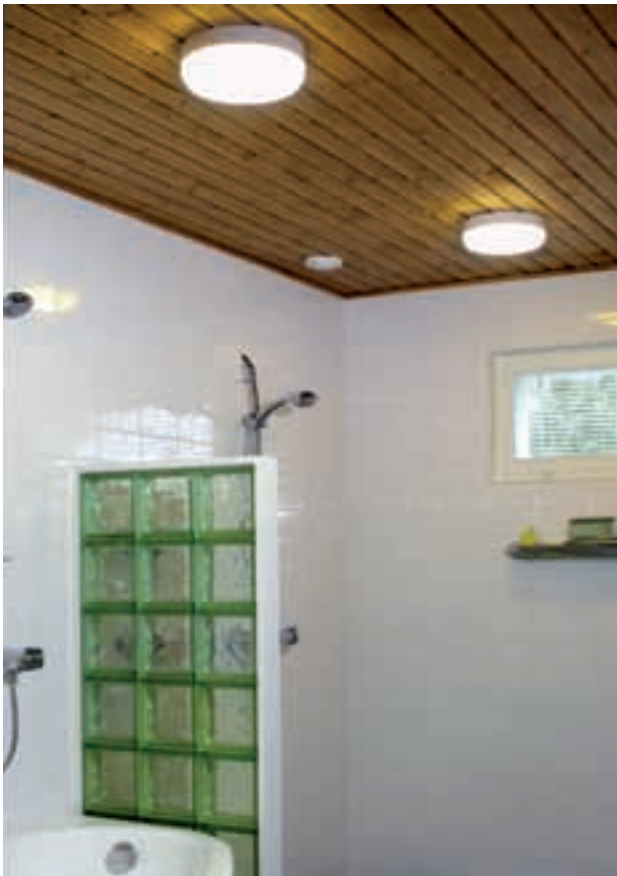
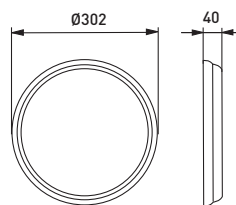
AVR1 PIR



AVL21



AVL28



PIR-lumaires

PIR-JONO

IP44 5x2,5mm²

Jono PIR-lumaires build a flexible and energy saving system in bathrooms, toilets, garages etc. Luminaire housing is made of whitepainted (RAL9010), extruded aluminium and the diffuser is impact resistant polycarbonate. Stylish design and good lighttechnical result makes Jono-PIR an excellent luminaire for the most demanding solutions.

TYPE	CODE	DESCRIPTION
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Jono PIR sensor lumaires TC 11W with electronic starter. Diffuser locked with security screw.

AVR66.0114H/S	64 186 77 615 962	1x11W TC-E/2G7 230V 50Hz, 425mm
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Jono PIR sensor lumaires TC 11W and T8 (Ø 26mm) with electronic starter.

AVR66.0114H	64 100 42 172 858	1x11W TC-E/2G7 230V 50Hz, 425mm
AVR66.1114H	64 100 42 172 032	1x11W TC-E/2G7 230V 50Hz, 425mm
AVR66.0154H	64 100 42 172 889	1x15W T8/G13 230V 50Hz, 536mm
AVR66.0184H	64 100 42 172 919	1x18W T8/G13 230V 50Hz, 688mm
AVR66.0364H	64 100 42 172 971	1x36W T8/G13 230V 50Hz, 1298mm
AVR66.0584H	64 100 42 173 008	1x58W T8/G13 230V 50Hz, 1598mm

Jono PIR sensor luminaire TC11W and T8 (Ø 26mm) with socket outlet and electronic starter.

AVR66.0114HP	64 100 42 176 146	1x11W TC-E/2G7 230V 50Hz, 481mm
AVR66.0154HP	64 100 42 173 060	1x15W T8/G13 230V 50Hz, 612mm
AVR66.0184HP	64 100 42 173 091	1x18W T8/G13 230V 50Hz, 764mm

Jono PIR sensor luminaire with 1-10V dimmable electronic control gear. Basic light level 5% and PIR controlled light level 100%.

AVR66.0186D	64 186 77 601 194	1x18W T8/G13 230V 50Hz, 688mm
AVR66.0366D	64 186 77 601 200	1x36W T8/G13 230V 50Hz, 1298mm
AVR66.0586D	64 186 77 601 217	1x58W T8/G13 230V 50Hz, 1598mm

Jono PIR sensor luminaire T5 (Ø 16mm) with electronic control gear.

AVR66.0144E	64 186 77 616 167	1x14W T5/G5 230/240V 50/60Hz, 657mm
AVR66.0214E	64 186 77 616 181	1x21W T5/G5 230/240V 50/60Hz, 957mm
AVR66.0284E	64 186 77 600 913	1x28W T5/G5 230/240V 50/60Hz, 1257mm
AVR66.0354E	64 186 77 600 920	1x35W T5/G5 230/240V 50/60Hz, 1557mm

Jono PIR sensor luminaire T5 (Ø 16mm) with socket outlet and electronic control gear

AVR66.0144EP	64 186 77 616 174	1x14W T5/G5 230/240V 50/60Hz, 734mm
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Jono accessories

AVL601	64 100 42 175 569	Wire suspension set for JONO AVR66
AVL602	64 100 42 175 576	Chain suspension set for JONO AVR66
AVL605	64 100 42 175 590	In-line connector set for JONO AVR66
AVL607	64 100 42 175 767	45° angle connectorpair for JONO AVR66
AVL608	64 100 42 174 531	90° angle connectorpair for JONO AVR66
AVL617	64 186 77 601 095	Par of additional Jono end pieces

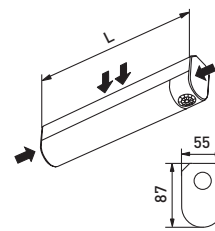
Jono-PIR spare diffuser, opal polycarbonate

AVL640	64 186 77 601 767	Opal diffuser for Jono 11W
AVL641	64 186 77 600 524	Opal diffuser for Jono 15W
AVL642	64 186 77 600 531	Opal diffuser for Jono 18W
AVL644	64 186 77 600 555	Opal diffuser for Jono 36W
AVL645	64 186 77 600 562	Opal diffuser for Jono 58W
AVL650	64 186 77 615 641	Opal diffuser for Jono 14/24W
AVL651	64 186 77 615 665	Opal diffuser for Jono 21/39W
AVL652	64 186 77 615 689	Opal diffuser for Jono 28/54W
AVL653	64 186 77 615 702	Opal diffuser for Jono 35/49W

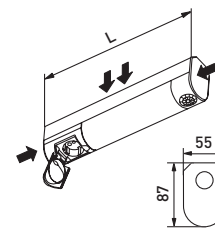
Jono-PIR spare diffuser, clear polycarbonate

AVL640.1	64 186 77 601 774	Clear diffuser for Jono 11W
AVL641.1	64 186 77 601 781	Clear diffuser for Jono 15W
AVL642.1	64 186 77 601 798	Clear diffuser for Jono 18W
AVL644.1	64 186 77 601 811	Clear diffuser for Jono 36W
AVL645.1	64 186 77 601 828	Clear diffuser for Jono 58W
AVL650.1	64 186 77 615 658	Clear diffuser for Jono 14/24W
AVL651.1	64 186 77 615 672	Clear diffuser for Jono 21/39W
AVL652.1	64 186 77 615 696	Clear diffuser for Jono 28/54W
AVL653.1	64 186 77 615 719	Clear diffuser for Jono 35/49W

JONO PIR



JONO PIR WITH SOCKET OUTLET



PIR-luminaires

AVR 70 PIR

IP44 4x2,5mm²

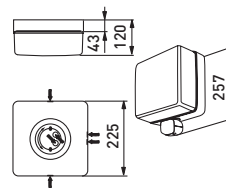
Luminaire equipped with Ensto PIR-sensor for both indoor and outdoor use. snow shield available for wall installations outdoors. Lightsource max 75 W incandescent lamp. Ensto PIR luminaires can also be used as master units to control other external luminaires.

TYPE	CODE	DESCRIPTION
AVR70.4	64 186 77 601 262	1x75W A60/E27 230V 50Hz

AVR70-PIR accessories and spare parts

AVL30	64 100 41 171 050	Snow shield for AVR70 luminaires, white steel
AVV70	64 186 77 611 964	Diffuser for AVR70 luminaires, opal polycarbonate

AVR70 PIR



AVR 71 PIR

IP44 4x2,5mm²

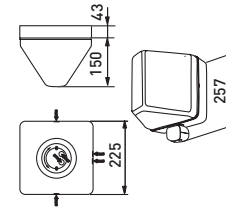
Luminaire equipped with Ensto PIR-sensor for both indoor and outdoor use. Due to the triangular design the symbols are visible from all directions. Lightsource max 60 W incandescent lamp. Ensto PIR luminaires can also be used as master units to control other external luminaires. For wall installations in outdoors a snowshield is available.

TYPE	CODE	DESCRIPTION
AVR71.4	64 186 77 601 279	1x60W A60/E27 230V 50Hz

AVR71-PIR accessories and spare parts

AVL68	64 100 41 171 111	Snow shield, white
AVL68.1	64 100 41 171 142	Snow shield, black
AVV71	64 186 77 611 995	Diffuser for AVR71 luminaires, opal polycarbonate

AVR71 PIR



AVR72 PIR

IP44 4x2,5mm²

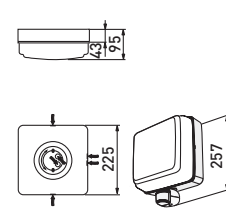
Slimline PIR-luminaire for compact fluorescent lamps. Suitable both for indoor and outdoor installations on walls. Housing and diffuser made of impact resistant polycarbonate.

TYPE	CODE	DESCRIPTION
AVR72.0184E	64 186 77 601 538	1x18W TC-L/2G11 230/240V 50/60Hz
AVR72.1184E	64 186 77 601 521	1x18W TC-L/2G11 230/240V 50/60Hz

AVR72-PIR accessories and spare parts

AVV72	64 186 77 612 008	Diffuser for AVR72 luminaires, opal polycarbonate
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AVR72 PIR



AVS 21.4 PIR

IP23 4x2,5mm²

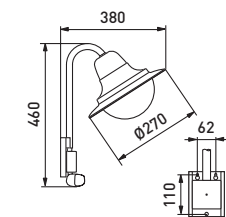
AVS21 PIR-luminaires are wall mounted luminaires equipped with Ensto PIR. Due to its design it is excellent for use in old wooden house environments. Luminaires both in white and in black. Light source max 100 W incandescent light.

TYPE	CODE	DESCRIPTION
AVS21.4	64 186 77 601 309	1x100W A60/E27 230V 50Hz, black
AVS21.4/V	64 186 77 601 316	1x100W A60/E27 230V 50Hz, white

AVS21-PIR spare parts

AVV21	64 186 77 611 858	Diffuser for AVS21 luminaires, opal polycarbonate
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AVS21 PIR



Workpoint luminaires

AVR 17.0100

IP44 4x2,5mm²

Small workpoint luminaires of polycarbonate for 11W compact fluorescent lamp. The luminaires can be adapted to allow both right and left handed use by turning the covers of the socket outlets.

TYPE	CODE	DESCRIPTION
AVR17.0100	64 100 41 172 262	1x11W TC/G23 230V 50Hz, 290mm
AVR17.1100	64 100 41 172 828	1x11W TC/G23 230V 50Hz, 290mm

Equipped with switch

AVR17.0110	64 100 41 172 279	1x11W TC/G23 230V 50Hz, 298mm
AVR17.1110	64 100 41 172 859	1x11W TC/G23 230V 50Hz, 298mm

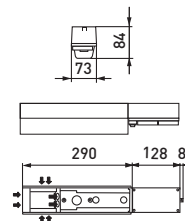
Equipped with switch and socket outlets. Note! Class I luminaire.

AVR17.0120	64 100 41 172 293	1x11W TC/G23 230V 50Hz, 426mm
AVR17.1120	64 100 41 172 880	1x11W TC/G23 230V 50Hz, 426mm

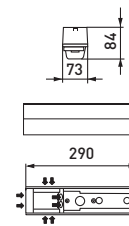
AVR17.1100/-10/-20 spare parts

AVV17.100	64 186 77 611 827	Diffuser for AVR17/11W luminaires, opal polycarbonate
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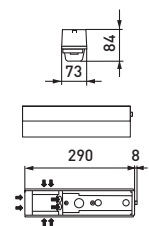
AVR17.0120



AVR17.0100



AVR17.0110



AVR 17

IP44 4x2,5mm²

This luminaire series is suitable for kitchens, bathrooms and other spaces where the installation area is narrow. The luminaires can be adapted to allow both right and left handed use by turning the covers of the socket outlets.

TYPE	CODE	DESCRIPTION
AVR17.0	64 100 41 172 194	1x18W T8/G13 230V 50Hz, 635mm

Equipped with switch

AVR17.10	64 100 41 172 224	1x18W T8/G13 230V 50Hz, 643mm
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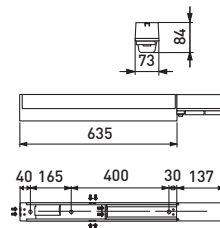
Equipped with switch and socket outlets. Note! Class I luminaire.

AVR17.20	64 100 41 172 255	1x18W T8/G13 230V 50Hz, 772mm
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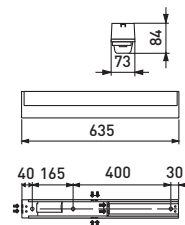
AVR17 spare parts

AVV17.0	64 186 77 611 810	Diffuser for AVR17/18W luminaires, opal polycarbonate
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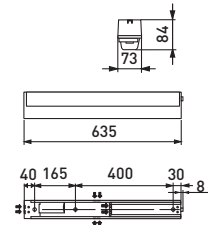
AVR17.20



AVR17.0



AVR17.10



AVK53

IP21 4x2,5mm²

Luminaire housing is made of whitepainted, extruded aluminium and diffuser made of polycarbonate. Socket outlet package in the luminaire is reversible to allow both right and left handed use.

TYPE	CODE	DESCRIPTION
AVK53 without socket outlets and switch		
AVK53.018	64 186 77 614 309	1x18W T8/G13 230V 50Hz, 623mm

AVK53 with socket outlets and switch

AVK53.0181P	64 100 41 173 184	1x18W T8/G13 230V 50Hz, 623mm
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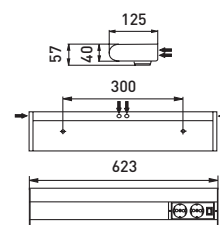
AVK53 with socket outlets, switch, light source (colour 830) and electronic starter

AVK53.1181PH	64 186 77 602 467	1x18W T8/G13 230V 50Hz, 623mm
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AVK53 spare parts

AVV53	64 186 77 611 940	for AVK53, opal acryl
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AVK53



Workpoint luminaires

AVR 22

IP21 5x2,5mm²

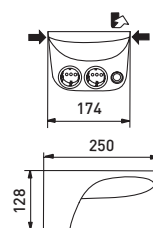
This small luminaire has high quality opaque frame, acrylic diffuser and metal wall fitting. Thanks to its curved design the acrylic diffuser disperses the light evenly over the working place. Two forward pointing socket outlets and switch are easy to use.

TYPE	CODE	DESCRIPTION
AVR22.09	64 186 77 601 477	2x9W TC/G23 230V 50Hz
AVR22.29	64 186 77 601 101	2x9W TC/G23 230V 50Hz

AVR22 spare parts

AVV22	64 186 77 611 865	Diffuser for AVR22 luminaires, opal polycarbonate
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AVR22



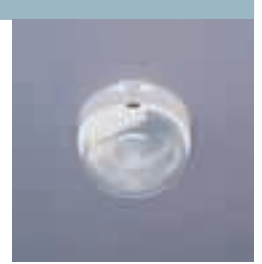
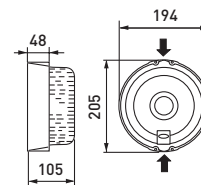
Sauna luminaires

AVH 11 sauna luminaire IP34 2x1,5mm²

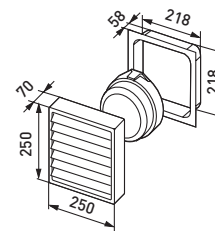
These luminaires are designed especially for saunas, but can also be used in locations where a durable basic luminaire is required. There are models for both surface and flush mountings. The base of the luminaire is of heat resistant polyester and the diffuser of glass. Luminaires are only for wall installation, minimum distance in saunas is 100 mm from the ceiling. For incandescent lamp 40/60 W/E27. (Note the local installations instructions for sauna installations). Models with pine grill also available : AVH 11.1 for recessed mounting and AVH 11.2 for surface mounting.

TYPE	CODE	DESCRIPTION
Sauna luminaire		
AVH11	64 100 41 171 388	1x40/ 60W A60/E27 IP34, ta125 °C
Sauna luminaire with pine grill for recessed wall mounting		
AVH11.1	64 100 41 171 418	1x40/60 W A60/E27 IP34, ta125 °C
Sauna luminaire with pine grill for wall mounting		
AVH11.2	64 100 41 171 449	1x40/60 W A60/E27 IP34, ta125 °C
AVH11 accessories and spare parts		
AUE2	64 100 41 171 531	Recessing box for AVH11 luminaire
AK8	64 100 41 171 500	Pine grill for recessed mounted AVH11
AK9	64 100 41 171 470	Pine grill for surface mounted AVH11
AVV11	64 186 77 611 759	Glass diffuser for AVH11

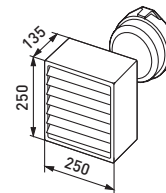
AVH11



AVH11.1



AVH11.2

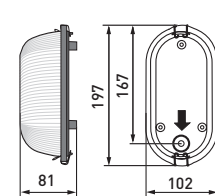


AVH 15 sauna luminaire IP44 2x1,5mm²

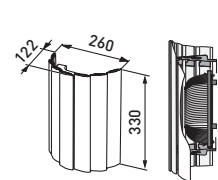
These luminaires are designed especially for saunas, but can also be used in locations where a durable basic luminaire is required. There are models for both surface and corner mountings. The base of the luminaire is of heat resistant technical plastic and the diffuser of glass. Luminaires are only for wall installation, minimum distance in saunas is 100 mm from the ceiling. For incandescent lamp 40/60 W/E14. (Note the local installations instructions for sauna installations). Models with pine grill also available : AVH15.1 for wall mounting and AVH15.2 for corner mounting.

TYPE	CODE	DESCRIPTION
Sauna luminaire		
AVH15	64 186 77 601 125	1x40/60W C35/E14 IP44, ta 125 °C
Sauna luminaire with pine grill for wall mounting		
AVH15.1	64 186 77 601 132	1x40/60 W C35/E14 IP44, ta125 °C
Sauna luminaire with pine grill for corner mounting		
AVH15.2	64 186 77 601 149	1x40/60 W C35/E14 IP44, ta125 °C
AVH15 accessories and spare parts		
AVL6	64 186 77 601 156	Pine grill for AVH15 luminaire, wall mounting
AVL7	64 186 77 601 163	Pine grill for AVH15, corner mounting
AVV15	64 186 77 611 797	Glass diffuser for AVH15

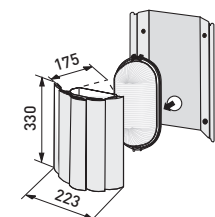
AVH15



AVH15.1



AVH15.2



Jono luminaires

Basic Jono

IP44 5x2,5mm²

Jono luminaires for TC11W and T8 (26mm) fluorescent lamps both for indoor and outdoor use. Luminaires can be used as a single unit or built into an integrated system. The base is of non-corrosive white painted (RAL9010) aluminium. Diffuser is opal polycarbonate.

TYPE	CODE	DESCRIPTION
Jono TC 11W and T8 (Ø 26mm)		
AVR66.011	64 100 42 170 601	1x11W TC/G23 230V 50Hz, 335mm
AVR66.111	64 100 42 176 023	1x11W TC/G23 230V 50Hz, 335mm
AVR66.015	64 100 42 170 632	1x15W T8/G13 230V 50Hz, 479mm
AVR66.018	64 100 42 170 663	1x18W T8/G13 230V 50Hz, 631mm
AVR66.030	64 100 42 170 694	1x30W T8/G13 230V 50Hz, 936mm
AVR66.036	64 100 42 170 724	1x36W T8/G13 230V 50Hz, 1241mm
AVR66.058	64 100 42 170 755	1x58W T8/G13 230V 50Hz, 1541mm

Jono T8 (Ø 26mm) with electronic starter

AVR66.015H	06 410 04 217 081	1x15W T8/G13 230V 50Hz, 479mm
AVR66.018H	64 186 77 601 446	1x18W T8/G13 230V 50Hz, 631mm
AVR66.030H	64 186 77 602 887	1x30W T8/G13 230V 50Hz, 936mm
AVR66.036H	64 186 77 601 453	1x36W T8/G13 230V 50Hz, 1241mm
AVR66.058H	64 186 77 601 460	1x58W T8/G13 230V 50Hz, 1541mm

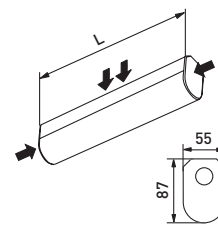
Jono T8 (Ø 26mm) electronic control gear

AVR66.015E	64 186 77 614 507	1x15W T8/G13 230/240V 0-50/60Hz, 479 mm
AVR66.018E	64 100 42 170 991	1x18W T8/G13 230/240V 0-50/60Hz, 631mm
AVR66.030E	64 186 77 601 033	1x30W T8/G13 230/240V 0-50/60Hz, 936mm
AVR66.036E	64 100 42 171 028	1x36W T8/G13 230/240V 0-50/60Hz, 1241mm
AVR66.058E	64 100 42 171 059	1x58W T8/G13 230/240V 0-50/60Hz, 1541mm

Jono T8 (Ø 26mm) with 1-10V controlled electronic control gear

AVR66.018D	64 186 77 601 378	1x18W T8/G13 230/240V 0-50/60Hz, 631mm
AVR66.036D	64 100 42 171 202	1x36W T8/G13 230/240V 0-50/60Hz, 1241mm
AVR66.058D	64 100 42 171 233	1x58W T8/G13 230/240V 0-50/60Hz, 1541mm

BASIC JONO



T5-Jono

IP44 5x2,5mm²

Jono luminaires for T5(16mm) fluorescent lamps both for indoor and outdoor use. Luminaires can be used as a single unit or built into an integrated system. The base is of non-corrosive white painted (RAL9010) aluminium. Diffuser is opal polycarbonate.

TYPE	CODE	DESCRIPTION
Jono T5 (Ø 16mm) electronic control gear		
AVR66.014E	64 186 77 600 050	1x14W T5/G5 230/240V 0-50/60Hz, 600mm
AVR66.021E	64 186 77 600 067	1x21W T5/G5 230/240V 0-50/60Hz, 900mm
AVR66.028E	64 186 77 600 074	1x28W T5/G5 230/240V 0-50/60Hz, 1200mm
AVR66.035E	64 186 77 600 081	1x35W T5/G5 230/240V 0-50/60Hz, 1500mm

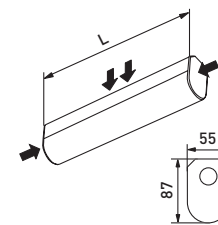
Jono T5 (Ø 16mm) for High Output light source with electronic control gear

AVR66.024E	64 186 77 601 552	1x24W T5/G5 230/240V 0-50/60Hz, 600mm
AVR66.039E	64 186 77 601 569	1x39W T5/G5 230/240V 0-50/60Hz, 900mm
AVR66.054E	64 186 77 601 576	1x54W T5/G5 230/240V 0-50/60Hz, 1200mm
AVR66.049E	64 186 77 601 736	1x49W T5/G5 230/240V 0-50/60Hz, 1500mm

Jono T5 (Ø 16mm) DSI/DALI controlled electronic control gear

AVR66.014DB	64 186 77 615 405	1x14W T5/G5 230/240V 0-50/60Hz, 600mm
AVR66.021DB	64 186 77 615 412	1x21W T5/G5 230/240V 0-50/60Hz, 900mm
AVR66.028DB	64 186 77 615 221	1x28W T5/G5 230/240V 0-50/60Hz, 1200mm
AVR66.035DB	64 186 77 615 481	1x35W T5/G5 230/240V 0-50/60Hz, 1500mm

T5-JONO



Jono luminaires

Fast Jono with EnstoNet



IP20 EnstoNet

Jono luminaires with EnstoNet connectors. Luminaires are supplied with a pair of fixings clips for easy and fast installation without opening the luminaire. Luminaires are delivered with light sources colour 830. All the luminaires are for 1-phase supply.

TYPE	CODE	DESCRIPTION
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Fast Jono for 1-phase power supply including Standard T5 (colour 830) light source, equipped with 3-pole EnstoNet NAC31.W and NAC32.W

AVC66.114E	64 186 77 615 740	1x14W T5/G5 230/240V 0-50/60Hz, 680mm
AVC66.121E	64 186 77 615 771	1x21W T5/G5 230/240V 0-50/60Hz, 980mm
AVC66.128E	64 186 77 615 818	1x28W T5/G5 230/240V 0-50/60Hz, 1280mm
AVC66.135E	64 186 77 615 849	1x35W T5/G5 230/240V 0-50/60Hz, 1580mm

Fast Jono for 1-phase power supply including High Output T5 (colour 830) light source, equipped with 3-pole EnstoNet NAC31.W and NAC32.W

AVC66.124E	64 186 77 615 788	1x24W T5/G5 230/240V 0-50/60Hz, 680mm
AVC66.139E	64 186 77 615 856	1x39W T5/G5 230/240V 0-50/60Hz, 980mm
AVC66.154E	64 186 77 615 870	1x54W T5/G5 230/240V 0-50/60Hz, 1280mm
AVC66.149E	64 186 77 615 863	1x49W T5/G5 230/240V 0-50/60Hz, 1580mm

Fast Jono with 1-10V controlled electronic control gear for 1-phase power supply including Standard T5 (colour 830) light source. Equipped with 5-pole EnstoNet NCC51.G and NCC52.G

AVC66.114D	64 186 77 615 733	1x14W T5/G5 230/240V 0-50/60Hz, 680mm
AVC66.121D	64 186 77 615 757	1x21W T5/G5 230/240V 0-50/60Hz, 980mm
AVC66.128D	64 186 77 615 795	1x28W T5/G5 230/240V 0-50/60Hz, 1280mm
AVC66.135D	64 186 77 615 825	1x35W T5/G5 230/240V 0-50/60Hz, 1580mm

Fast Jono with DALI/DSI controlled electronic control gear for 1-phase power supply including Standard T5 (colour 830) light source. Equipped with 5-pole EnstoNet NCC51.G and NCC52.G

AVC66.114DB	64 186 77 615 726	1x14W T5/G5 230/240V 0-50/60Hz, 680mm
AVC66.121DB	64 186 77 615 764	1x21W T5/G5 230/240V 0-50/60Hz, 980mm
AVC66.128DB	64 186 77 615 801	1x28W T5/G5 230/240V 0-50/60Hz, 1280mm
AVC66.135DB	64 186 77 615 832	1x35W T5/G5 230/240V 0-50/60Hz, 1580mm

Jono PIR

IP44 5x2,5mm²

Jono PIR-luminaires build a flexible and energy saving system in bathrooms, toilets, garages etc. Luminaire housing is made of whitepainted (RAL9010), extruded aluminium and the diffuser is impact resistant polycarbonate. Stylish design and good lighttechnical result makes Jono-PIR an excellent luminaire for the most demanding solutions.

TYPE	CODE	DESCRIPTION
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Jono PIR sensor luminaires TC 11W with electronic starter. Diffuser locked with security screw.

AVR66.0114H/S	64 186 77 615 962	1x11W TC-E/2G7 230V 50Hz, 425mm
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Jono PIR sensor luminaires TC 11W and T8 (Ø 26mm) with electronic starter.

AVR66.0114H	64 100 42 172 858	1x11W TC-E/2G7 230V 50Hz, 425mm
AVR66.1114H	64 100 42 172 032	1x11W TC-E/2G7 230V 50Hz, 425mm
AVR66.0154H	64 100 42 172 889	1x15W T8/G13 230V 50Hz, 536mm
AVR66.0184H	64 100 42 172 919	1x18W T8/G13 230V 50Hz, 688mm
AVR66.0364H	64 100 42 172 971	1x36W T8/G13 230V 50Hz, 1298mm
AVR66.0584H	64 100 42 173 008	1x58W T8/G13 230V 50Hz, 1598mm

Jono PIR sensor luminaire TC11W and T8 (Ø 26mm) with socket outlet and electronic starter.

AVR66.1114HP	64 100 42 176 146	1x11W TC-E/2G7 230V 50Hz, 481mm
AVR66.0154HP	64 100 42 173 060	1x15W T8/G13 230V 50Hz, 612mm
AVR66.0184HP	64 100 42 173 091	1x18W T8/G13 230V 50Hz, 764mm

Jono PIR sensor luminaire with 1-10V dimmable electronic control gear. Basic light level 5% and PIR controlled light level 100%.

AVR66.0186D	64 186 77 601 194	1x18W T8/G13 230V 50Hz, 688mm
AVR66.0366D	64 186 77 601 200	1x36W T8/G13 230V 50Hz, 1298mm
AVR66.0586D	64 186 77 601 217	1x58W T8/G13 230V 50Hz, 1598mm

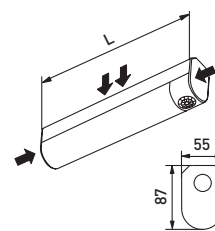
Jono PIR sensor luminaire T5 (Ø 16mm) with electronic control gear.

AVR66.0144E	64 186 77 616 167	1x14W T5/G5 230/240V 50/60Hz, 657mm
AVR66.0214E	64 186 77 616 181	1x21W T5/G5 230/240V 50/60Hz, 957mm
AVR66.0284E	64 186 77 600 913	1x28W T5/G5 230/240V 50/60Hz, 1257mm
AVR66.0354E	64 186 77 600 920	1x35W T5/G5 230/240V 50/60Hz, 1557mm

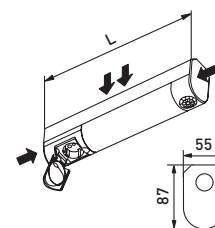
Jono PIR sensor luminaire T5 (Ø 16mm) with socket outlet and electronic control gear

AVR66.0144EP	64 186 77 616 174	1x14W T5/G5 230/240V 50/60Hz, 734mm
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JONO PIR



JONO PIR WITH SOCKET OUTLET



Jono luminaires

Jono with switch



IP44 5x2,5mm²

Jono luminaires with an integrated push-button switch. The symmetrical design of the luminaire makes it easy to do both right- and left-handed installations only by turning the luminaire.

TYPE	CODE	DESCRIPTION
PIR sensor unit		
AVR66.0111	64 100 42 171 264	1x11W TC/G23 230V 50Hz, 379mm
AVR66.1111	64 100 42 176 047	1x11W TC/G23 230V 50Hz, 379mm
AVR66.0151	64 100 42 171 295	1x15W T8/G13 230V 50Hz, 523mm
AVR66.0181	64 100 42 171 325	1x18W T8/G13 230V 50Hz, 675mm
AVR66.0301	64 100 42 171 356	1x30W T8/G13 230V 50Hz, 980mm
AVR66.0361	64 100 42 171 387	1x36W T8/G13 230V 50Hz, 1285mm
AVR66.0581	64 100 42 171 417	1x58W T8/G13 230V 50Hz, 1585mm

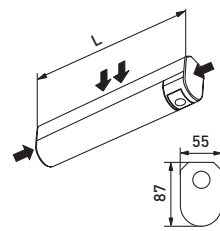
Jono T8 (Ø 26mm) with switch and electronic starter

AVR66.0151H	64 186 77 602 818	1x15W T8/G13 230V 50Hz, 523mm
AVR66.0181H	64 186 77 610 202	1x18W T8/G13 230V 50Hz, 675mm
AVR66.0301H	64 186 77 610 240	1x30W T8/G13 230V 50Hz, 980mm
AVR66.0361H	64 186 77 610 295	1x36W T8/G13 230V 50Hz, 1285mm
AVR66.0581H	64 186 77 610 332	1x58W T8/G13 230V 50Hz, 1585mm

Jono T5 (Ø 16mm) and T8 (Ø 26mm) with switch and electronic control gear

AVR66.0141E	64 186 77 615 214	1x14W T5/G5 230/240V 0-50/60Hz, 721mm
AVR66.0181E	64 186 77 602 849	1x18W T8/G13 230/240V 0-50/60Hz, 675mm
AVR66.0361E	64 186 77 602 894	1x36W T8/G13 230/240V 0-50/60Hz, 1285mm
AVR66.0581E	64 186 77 610 325	1x58W T8/G13 230/240V 0-50/60Hz, 1585mm

JONO WITH SWITCH



Jono with socket outlet



IP44 5x2,5mm²

Jono luminaires with an integrated socket outlet. The symmetrical design of the luminaire makes it easy to do both right- and left-handed installations only by turning the luminaire.

TYPE	CODE	DESCRIPTION
Jono TC 11W and T8 (Ø 26mm) socket outlet		
AVR66.0111P	64 100 42 171 622	1x11W TC/G23 230V 50Hz, 412mm
AVR66.1111P	64 100 42 172 025	1x11W TC/G23 230V 50Hz, 412mm
AVR66.0151P	64 100 42 171 653	1x15W T8/G13 230V 50Hz, 556mm
AVR66.0181P	64 100 42 171 684	1x18W T8/G13 230V 50Hz, 708mm
AVR66.0301P	64 100 42 171 714	1x30W T8/G13 230V 50Hz, 1013mm
AVR66.0361P	64 100 42 171 745	1x36W T8/G13 230V 50Hz, 1318mm
AVR66.0581P	64 100 42 171 776	1x58W T8/G13 230V 50Hz, 1618mm

Jono T8 (Ø 26mm) with Danish socket outlet

AVR66.015P/DK	64 186 77 600 326	1x15W T8/G13 230V 50Hz, 556mm
AVR66.018P/DK	64 186 77 600 319	1x18W T8/G13 230V 50Hz, 708mm

Jono T8 (Ø 26mm) with socket outlet and electronic starter

AVR66.015HP	64 186 77 602 832	1x15W T8/G13 230V 50Hz, 556mm
AVR66.018HP	64 186 77 610 219	1x18W T8/G13 230V 50Hz, 708mm
AVR66.030HP	64 186 77 610 264	1x30W T8/G13 230V 50Hz, 1013mm
AVR66.036HP	64 186 77 610 301	1x36W T8/G13 230V 50Hz, 1318mm
AVR66.058HP	64 186 77 610 363	1x58W T8/G13 230V 50Hz, 1618mm

Jono T5 (Ø 16mm) and T8 (Ø 26mm) with socket outlet and electronic control gear

AVR66.014EP	64 186 77 600 937	1x14W T5/G5 230/240V 0-50/60Hz, 677mm
AVR66.028EP	64 186 77 600 951	1x28W T5/G5 230/240V 0-50/60Hz, 1277mm
AVR66.018EP	64 186 77 601 354	1x18W T8/G13 230/240V 0-50/60Hz, 708mm
AVR66.036PE	64 186 77 602 924	1x36W T8/G13 230/240V 0-50/60Hz, 1318mm
AVR66.058PE	64 186 77 610 387	1x58W T8/G13 230/240V 0-50/60Hz, 1618mm

Separate residual current circuit breaker (RCCB) box for Jono luminaires.

AVL5	64 186 77 611 544	Encased RCCB 230V 10A/30mA
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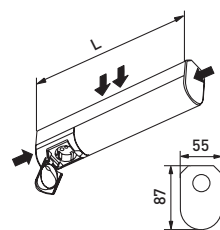
Jono TC 11W and T8 (Ø 26mm) with socket outlet and residual current circuit breaker (RCCB)

AVR66.011WP	64 100 42 171 981	1x11W TC/G23 230V 50Hz, 495mm
AVR66.111WP	64 100 42 176 085	1x11W TC/G23 230V 50Hz, 495mm
AVR66.015WP	64 100 42 172 018	1x15W T8/G13 230V 50Hz, 646mm
AVR66.018WP	64 100 42 172 049	1x18W T8/G13 230V 50Hz, 798mm
AVR66.030WP	64 100 42 172 070	1x30W T8/G13 230V 50Hz, 1103mm
AVR66.036WP	64 100 42 172 100	1x36W T8/G13 230V 50Hz, 1408mm
AVR66.058WP	64 100 42 172 131	1x58W T8/G13 230V 50Hz, 1708mm

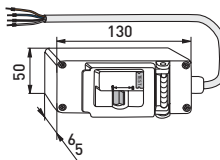
Jono T8 (Ø 26mm) with socket outlet, residual current circuit breaker (RCCB) and electronic starter

AVR66.015HWP	64 186 77 610 189	1x15W T8/G13 230V 50Hz, 646mm
AVR66.018HWP	64 186 77 610 226	1x18W T8/G13 230V 50Hz, 798mm
AVR66.030HWP	64 186 77 610 271	1x30W T8/G13 230V 50Hz, 1103mm
AVR66.036HWP	64 186 77 610 318	1x36W T8/G13 230V 50Hz, 1408mm
AVR66.058HWP	64 186 77 610 370	1x58W T8/G13 230V 50Hz, 1708mm

JONO WITH SOCKET OUTLET



AVL5



Jono luminaires

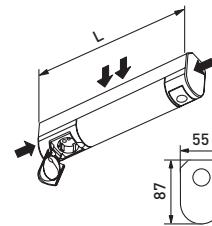
Jono with socket outlet and switch

IP44 5x2,5mm²

Jono luminaires with an integrated socket outlet and switch for both dry and wet conditions. The symmetrical design of the luminaire makes it easy to do both right- and left-handed installations only by turning the luminaire.

TYPE	CODE	DESCRIPTION
Jono TC 11W and T8 (Ø 26mm) with switch and socket outlet		
AVR66.0111P	64 186 77 601 088	1x11W TC/G23 230V 50Hz, 456mm
AVR66.1111P	64 100 42 172 223	1x11W TC/G23 230V 50Hz, 456mm
AVR66.0151P	64 100 42 172 254	1x15W T8/G13 230V 50Hz, 599mm
AVR66.0181P	64 100 42 172 285	1x18W T8/G13 230V 50Hz, 751mm
AVR66.0301P	64 100 42 172 315	1x30W T8/G13 230V 50Hz, 1056mm
AVR66.0361P	64 100 42 172 346	1x36W T8/G13 230V 50Hz, 1361mm
AVR66.0581P	64 100 42 172 377	1x58W T8/G13 230V 50Hz, 1661mm
Jono T8 (Ø 26mm) with switch and French socket outlet		
AVR66.0111P/F	64 186 77 600 302	1x11W TC/G23 230V 50Hz, 456mm
AVR66.0181P/F	64 186 77 600 296	1x18W T8/G13 230V 50Hz, 751mm
Jono T8 (Ø 26mm) with switch, socket outlet and electronic starter		
AVR66.0151HP	64 186 77 602 825	1x15W T8/G13 230V 50Hz, 599mm
AVR66.0181HP	64 186 77 602 863	1x18W T8/G13 230V 50Hz, 751mm
AVR66.0301HP	64 186 77 610 257	1x30W T8/G13 230V 50Hz, 1056mm
AVR66.0361HP	64 186 77 602 900	1x36W T8/G13 230V 50Hz, 1361mm
AVR66.0581HP		1x58W T8/G13 230V 50Hz, 1661mm
Jono T5 (Ø 16mm) and T8 (Ø 26mm) with switch, socket outlet and electronic control gear.		
AVR66.0141EP	64 186 77 600 944	1x14W T5/G5 230/240V 0-50/60Hz, 721mm
AVR66.0281EP	64 186 77 600 968	1x28W T5/G5 230/240V 0-50/60Hz, 1321mm
AVR66.0181EP	64 186 77 602 856	1x18W T8/G13 230/240V 0-50/60Hz, 751mm
AVR66.0361PE	64 186 77 602 917	1x36W T8/G13 230/240V 0-50/60Hz, 1361mm
AVR66.0581PE	64 186 77 610 356	1x58W T8/G13 230/240V 0-50/60Hz, 1661mm

JONO WITH SOCKET OUTLET AND SWITCH



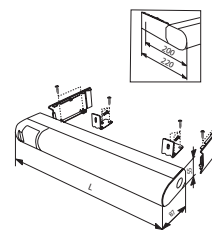
Jono module

IP44 5x2,5mm²

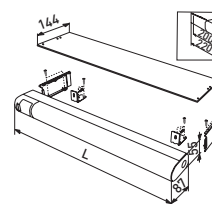
Jono luminaires with the module measurements are suitable luminaire solutions for many kind of furniture installations both in kitchens and in bathrooms.

TYPE	CODE	DESCRIPTION
Jono T8 (Ø 26mm) in module length with socket outlet		
AVR66.0600P	64 100 41 171 920	1x15W T8/G13 230V 50Hz, 600mm
AVR66.0800P	64 100 41 171 951	1x18W T8/G13 230V 50Hz, 800mm
AVR66.0900P	64 100 41 171 982	1x18W T8/G13 230V 50Hz, 900mm
AVR66.01200P	64 186 77 616 341	1x30W T8/G13 230V 50Hz, 1200mm
Jono TC 2x9 W in module length with switch, socket outlet and light source (colour 830)		
AVR66.6001P		2x9W TC/G23 230V 50Hz
Jono T8 (Ø 26 mm) in module length with socket outlet, electronic starter and light source (colour 830)		
AVR66.1600HP	64 186 77 603 020	1x15W T8/G13 230V 50Hz, 600mm
AVR66.1800HP	64 186 77 603 075	1x18W T8/G13 230V 50Hz, 800mm
AVR66.1900HP	64 186 77 603 112	1x18W T8/G13 230V 50Hz, 900mm
AVR66.11200HP	64 186 77 602 955	1x30W T8/G13 230V 50Hz, 1200mm
Jono T8 (Ø 26 mm) module length with socket outlet and residual current circuit breaker (RCCB)		
AVR66.0800WP	64 100 41 172 071	1x18W T8/G13 230V 50Hz, 800mm
AVR66.0900WP	64 100 41 172 101	1x18W T8/G13 230V 50Hz, 900mm
AVR66.01200WP	64 100 41 172 132	1x30W T8/G13 230V 50Hz, 1200mm
Jono TC 2x9W and T8 (Ø 26 mm) with socket outlet, residual current circuit breaker (RCCB) and light source (colour 830)		
AVR66.2600WP	64 100 41 172 040	2x9W TC/G23 230V 50Hz, 600mm
AVR66.1800WP	64 186 77 603 099	1x18W T8/G13 230V 50Hz, 800mm
AVR66.1900WP	64 186 77 603 136	1x18W T8/G13 230V 50Hz, 900mm
AVR66.11200WP	64 186 77 602 979	1x30W T8/G13 230V 50Hz, 1200mm
Jono T5 (Ø 16mm) and T8 (Ø 26mm) module length with socket outlet, dustcoverplate and light source (colour 830)		
AVR66.1600HPZ	64 186 77 611 643	1x15W T8/G13 230V 50Hz, 600mm
AVR66.1800HPZ	64 186 77 611 650	1x18W T8/G13 230V 50Hz, 800mm
AVR66.1900HPZ	64 186 77 611 667	1x18W T8/G13 230V 50Hz, 900mm
AVR66.11200HPZ	64 186 77 611 674	1x30W T8/G13 230V 50Hz, 1200mm
AVR66.11200EPZ	64 186 77 612 015	1x21W T5/G5 230/240V 0-50/60Hz, 1200mm

JONO MODULE LENGTH



JONO MODULE LENGTH WITH DUST COVER



Jono luminaires

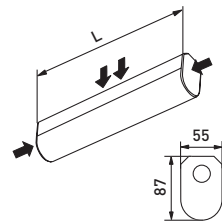
Jono, steel

IP44 5x2,5mm²

Jono luminaires painted in light steel colour. This colour suits excellently with today's interiors and also with the stainless steel and aluminium coloured household appliances used in kitchens and bathrooms.

TYPE	CODE	DESCRIPTION
Jono T8 (Ø 26mm)		
AVR66.018T	64 186 77 600 425	1x18W T8/G13 230V 50Hz, 631mm
Jono T8 (Ø 26mm) with electronic control gear		
AVR66.018ET	64 186 77 614 491	1x18W T8/G13 230/240V 0-50-60Hz, 631mm
Jono T8 (Ø 26mm) with switch		
AVR66.0181T	64 186 77 600 395	1x18W T8/G13 230V 50Hz, 675mm
Jono T8 (Ø 26mm) with socket outlet		
AVR66.018PT	64 186 77 600 401	1x18W T8/G13 230V 50Hz, 708mm
Jono T5 (Ø 16mm) and T8 (Ø 26mm) with switch and socket outlet		
AVR66.0141EPT	64 186 77 610 165	1x14W T5/G5 230/240V 0-50/60Hz, 721mm
AVR66.0181PT	64 186 77 600 418	1x18W T8/G13 230V 50Hz, 751mm

JONO, STEEL COLOUR



Jono accessories and spare parts

TYPE	CODE	DESCRIPTION
Perforated, white shield. Can be used only with basic Jono' s.		
AVL660	64 100 42 175 378	Adjustable white perforated shield for AVR 66.011
AVL661	64 100 42 175 408	Adjustable white perforated shield for AVR 66.015
AVL662	64 100 42 175 439	Adjustable white perforated shield for AVR 66.018
AVL663	64 100 42 175 460	Adjustable white perforated shield for AVR 66.030
AVL664	64 100 42 175 491	Adjustable white perforated shield for AVR 66.036
AVL665	64 100 42 175 521	Adjustable white perforated shield for AVR 66.058
AVL666	64 186 77 601 385	Adjustable white perforated shield for AVR 66.014E / 024E
AVL667	64 186 77 601 392	Adjustable white perforated shield for AVR 66.021E / 039E
AVL668	64 186 77 601 408	Adjustable white perforated shield for AVR 66.028E / 054E
AVL669	64 186 77 601 415	Adjustable white perforated shield for AVR 66.035E / 049E

Jono accessories

AVL601	64 100 42 175 569	Wire suspension set for JONO AVR66
AVL602	64 100 42 175 576	Chain suspension set for JONO AVR66
AVL605	64 100 42 175 590	In-line connector set for JONO AVR66
AVL607	64 100 42 175 767	45° angle connectorpair for JONO AVR66
AVL608	64 100 42 174 531	90° angle connectorpair for JONO AVR66
AVL609	64 186 77 616 020	Fixing kit for AVR66 Jono luminaire
AVL617	64 186 77 601 095	Pair of additional Jono end pieces
AVL618	64 186 77 616 037	Strain relief for AVR66 Jono luminaire

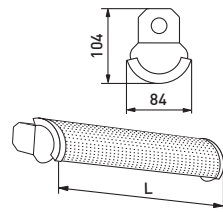
Jono spare diffuser, opal polycarbonate

AVL640	64 186 77 601 767	Opal diffuser for Jono 11W
AVL641	64 186 77 600 524	Opal diffuser for Jono 15W
AVL642	64 186 77 600 531	Opal diffuser for Jono 18W
AVL643	64 186 77 600 548	Opal diffuser for Jono 30W
AVL644	64 186 77 600 555	Opal diffuser for Jono 36W
AVL645	64 186 77 600 562	Opal diffuser for Jono 58W
AVL646.518	64 186 77 615 504	Opal diffuser for Module length 600mm
AVL650	64 186 77 615 641	Opal diffuser for Jono 14/24W
AVL651	64 186 77 615 665	Opal diffuser for Jono 21/39W
AVL652	64 186 77 615 689	Opal diffuser for Jono 28/54W
AVL653	64 186 77 615 702	Opal diffuser for Jono 35/49W

Jono spare diffuser, clear polycarbonate

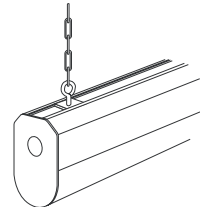
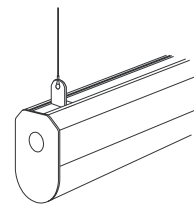
AVL640.1	64 186 77 601 774	Clear diffuser for Jono 11W
AVL641.1	64 186 77 601 781	Clear diffuser for Jono 15W
AVL642.1	64 186 77 601 798	Clear diffuser for Jono 18W
AVL643.1	64 186 77 601 804	Clear diffuser for Jono 30W
AVL644.1	64 186 77 601 811	Clear diffuser for Jono 36W
AVL645.1	64 186 77 601 828	Clear diffuser for Jono 58W
AVL650.1	64 186 77 615 658	Clear diffuser for Jono 14/24W
AVL651.1	64 186 77 615 672	Clear diffuser for Jono 21/39W
AVL652.1	64 186 77 615 696	Clear diffuser for Jono 28/54W
AVL653.1	64 186 77 615 719	Clear diffuser for Jono 35/49W

AVL660 ... AVL669



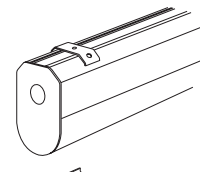
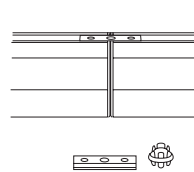
AVL601

AVL602



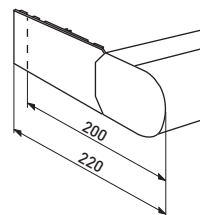
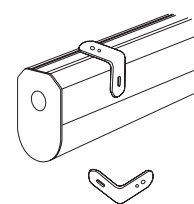
AVL605

AVL607



AVL608

AVL617



Outdoor luminaires

AVRK 7.2

IP44 3x2,5mm²

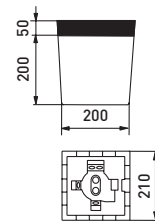
A traditional house number luminaire made of polycarbonate. Light source either 75W incandescent lamp or 50 W high pressure mercury lamp. For outdoor wall installations a snowshield is also available.

TYPE	CODE	DESCRIPTION
AVR7.1	64 186 77 601 491	1x75W A60/E27 230V
AVRK7.2	64 100 41 170 367	1x50W HME/E27 230V 50Hz

AVR7.1/AVRK7.2 accessories and spare parts

AVL31	64 100 41 171 081	Snow shield for AVR7.1/AVRK7.2 luminaires, black
AVV7	64 186 77 611 957	Diffuser for AVR7.1/AVRK7.2 luminaires, opal polycarbonate

AVR7.1 ... AVRK7.2



AVR5.3/5.4

IP44 3x2,5mm²

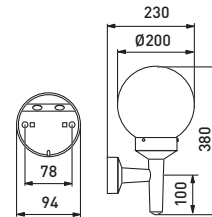
Classical glass globe luminaires are a familiar, safe choice for home outdoor lighting. High quality polycarbonate luminaire housing is combined with a traditional glass-globe in lantern type luminaire. Luminaire housing and globes must be ordered separately.

TYPE	CODE	DESCRIPTION
AVR5.3	64 100 41 170 787	1x100W A60/E27 230V luminaire housing, black
AVR5.4	64 100 41 170 817	1x100W A60/E27 230V luminaire housing, white

Glass globes

AVL37	64 100 41 176 062	Amber glass globe for AVR5.3/5.4 luminaires
AVL48	64 100 41 176 086	Opal glass globe for AVR5.3/5.4 luminaires

AVR5



AVS21

IP23 3x2,5mm²

The AVS21 luminaire can be wall mounted or fixed to a wooden pole. Stem is made of steel, shade of aluminium and diffuser of opal polycarbonate. Light source max. 100 W incandescent light or compact fluorescent light (E27) at max. length 157 mm. PIR luminaire for incandescent lamps give the possibilities to make master- slave installation with the similar kind of luminaires.

TYPE	CODE	DESCRIPTION
AVS21	64 100 41 174 532	1x100W A60/E27 230V, black
AVS21/V	64 100 41 174 501	1x100W A60/E27 230V, white

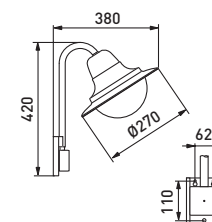
AVS21 PIR sensor luminaires

AVS21.4	64 186 77 601 309	1x100W A60/E27 230V 50Hz, black
AVS21.4/V	64 186 77 601 316	1x100W A60/E27 230V 50Hz, white

AVS21 spare parts

AVV21	64 186 77 611 858	Diffuser for AVS21 luminaires, opal polycarbonate
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AVS21



Outdoor luminaires

AVS70-74



IP23 3x2,5mm²

Classical and timeless desing both for old new and old architecture. Luminaires are suitable for parks, yards, small streets and squares. The colour of the luminaire is black, inside reflector part white and diffuser of clear polycarbonate. Opal diffuser available as spare part. Stem and shade made of aluminium. Several alternative light sources helps to find always the right sollution. Installation on pole \varnothing 60 mm. Recommended max pole heights for single lamp versions 4m and for twin lamp versions 5m.

TYPE	CODE	DESCRIPTION
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AVS70 pole luminaire

AVS70	64 100 45 170 004	1x160W HME-SB/E27 230V 50Hz
AVS70.50/M	64 100 45 170 097	1x50W HME/E27 230V 50Hz
AVS70.80/M	64 100 45 170 066	1x80W HME/E27 230V 50Hz
AVS70.125/M	64 100 45 170 035	1x125W HME/E27 230V 50Hz
AVS70.50/S	64 100 45 170 158	1x50W HSE-I/E27 230V 50Hz
AVS70.70/S	64 100 45 170 127	1x70W HSE-I/E27 230V 50Hz

AVS71 wall luminaire

AVS71	64 100 45 176 716	1x160W HME-SB/E27 230V 50Hz
AVS71.50/M	64 100 45 170 240	1x50W HME/E27 230V 50Hz
AVS71.80/M	64 100 45 170 219	1x80W HME/E27 230V 50Hz
AVS71.125/M	64 100 45 170 189	1x125W HME/E27 230V 50Hz
AVS71.50/S	64 100 45 170 301	1x50W HSE-I/E27 230V 50Hz
AVS71.70/S	64 100 45 170 271	1x70W HSE-I/E27 230V 50Hz

AVS73 pole luminaire

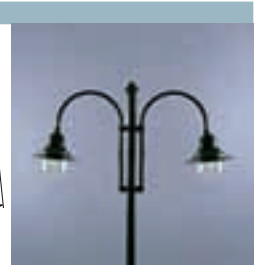
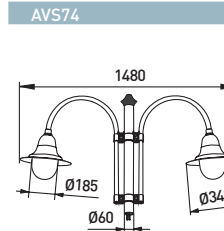
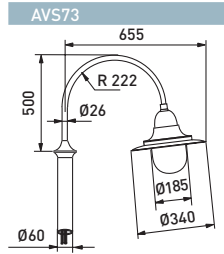
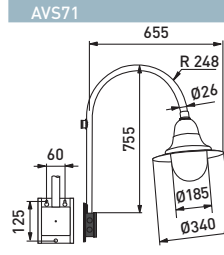
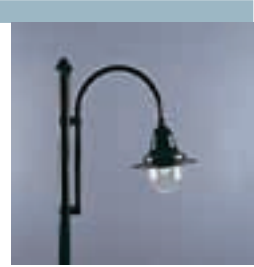
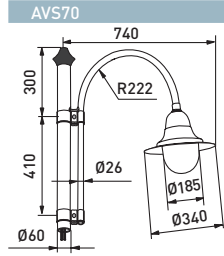
AVS73	64 100 45 176 730	1x160W HME-SB/E27 230V 50Hz
AVS73.50/M	64 100 45 170 394	1x50W HME/E27 230V 50Hz
AVS73.80/M	64 100 45 170 363	1x80W HME/E27 230V 50Hz
AVS73.125/M	64 100 45 170 332	1x125W HME/E27 230V 50Hz
AVS73.50/S	64 100 45 170 455	1x50W HSE-I/E27 230V 50Hz
AVS73.70/S	64 100 45 170 424	1x70W HSE-I/E27 230V 50Hz

AVS74 pole luminaire

AVS74	64 100 45 176 747	2x160W HME-SB/E27 230V 50Hz
AVS74.50/M	64 100 45 170 578	2x50W HME/E27 230V 50Hz
AVS74.80/M	64 100 45 170 547	2x80W HME/E27 230V 50Hz
AVS74.125/M	64 100 45 170 516	2x125W HME/E27 230V 50Hz
AVS74.50/S	64 100 45 170 639	2x50W HSE-I/E27 230V 50Hz
AVS74.70/S	64 100 45 170 608	2x70W HSE-I/E27 230V 50Hz

AVS70-74 accessories and spare parts

AVL69	64 100 46 172 694	Pole 3m, \varnothing 60mm, black
AVV70/74	64 186 77 611 971	Diffuser for AVS70-74 luminaires, clear polycarbonate
AVV70.1/74.1	64 186 77 611 988	Diffuser for AVS70-74 luminaires, opal polycarbonate



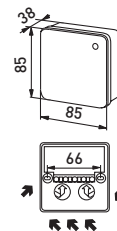
Lighting control units

KKLS1-Twilight switch

TYPE	CODE	DESCRIPTION
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KKLS1	64 100 35 141 199	Twilight switch 2300W 230V 5-20 lx, IP44
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KKLS1



ROV Chain lighting

Chain lighting in packages of 100 m or 500 m cable reels



2x1,5mm² IP54

ROV light chains with B22d (max 75W) lampholders fastened to 2x1,5mm² black rubber cable. Packages and reels without plug and end piece. With the several accessories it is possible to make always the most suitable lighting solution. ROV packages and reels are sold only in full lengths.

TYPE	CODE	DESCRIPTION
Lamp holder distance 0,33m		
ROV0,33-100	64 186 77 610 905	100 m, lampholderdistance 0,33 m
ROV0,33-300	64 186 77 603 761	300 m, lampholderdistance 0,33 m
Lamp holder distance 0,50m		
ROV0,50-100	64 186 77 614 637	100 m, lampholderdistance 0,50 m
ROV0,50-500	64 186 77 603 785	500 m, lampholderdistance 0,50 m
Lamp holder distance 0,60m		
ROV0,60-100	64 186 77 614 699	100 m, lampholderdistance 0,60 m
ROV0,60-500	64 186 77 603 792	500 m, lampholderdistance 0,60 m
Lamp holder distance 0,75m		
ROV0,75-100	64 186 77 614 651	100 m, lampholderdistance 0,75 m
ROV0,75-500	64 186 77 614 668	500 m, lampholderdistance 0,75 m
Lamp holder distance 1m		
ROV1,0-100	64 186 77 603 822	100m, lampholderdistance 1 m
ROV1,0-500	64 186 77 603 839	500 m, lampholderdistance 1 m
Lamp holder distance 2m		
ROV2,0-100	64 186 77 614 675	100 m, lampholderdistance 2 m
ROV2,0-500	64 186 77 603 853	500 m, lampholderdistance 2 m
Lamp holder distance 3m		
ROV3,0-100	64 186 77 603 877	100 m, lampholderdistance 3 m
ROV3,0-500	64 186 77 603 884	500 m, lampholderdistance 3 m
Lamp holder distance 5m		
ROV5,0-100	64 186 77 603 914	100 m, lampholderdistance 5 m
ROV5,0-500	64 186 77 603 921	500 m, lampholderdistance 5 m

Ready to use light chain packages



2x1,5mm² IP54

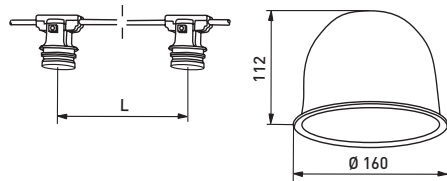
Ready to use ROV light chains including light chain with plug and end piece, white reflectors ROV-LSN and 60W/B22d incandescent lamps.

TYPE	CODE	DESCRIPTION
Light chain length 30m, lamp holder distance 3m		
ROV30/3,0	64 186 77 603 891	30 m, lampholderdistance 3 m
Light chain length 30m, lamp holder distance 5m		
ROV30/5,0	64 186 77 603 907	30 m, lampholderdistance 5 m
Light chain length 60m, lamp holder distance 3m		
ROV60/3,0	64 186 77 603 938	60 m, lampholderdistance 3 m
Light chain length 60m, lamp holder distance 5m		
ROV60/5,0	64 186 77 603 945	60 m, lampholderdistance 5 m

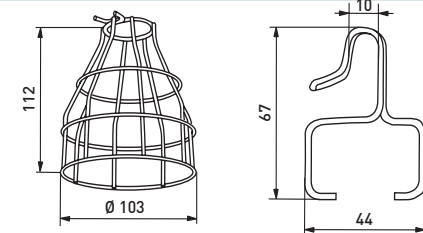
Accessories and spare parts

TYPE	CODE	DESCRIPTION
ROV-SP	64 186 77 603 730	Rubber plug without earthing
ROV-AH	64 186 77 603 662	End piece, black
ROV-SET	64 186 77 615 917	Rubber plug without earthing + end piece, black
ROV-DBI	64 186 77 603 679	Protection cap, red
ROV-P	64 186 77 603 709	Joint kit without lampholder, black
ROV-RS	64 186 77 603 716	Joint kit with lampholder, black
ROV-LON	64 186 77 603 693	Suspension hook for lampholder,
ROV-S	64 186 77 603 723	Suspension hook for wire Ø 5mm (10-13 mm), black
ROV-SS	64 186 77 603 747	Suspension hook for wire Ø 8mm (12-16 mm), black
ROV-85	64 186 77 603 655	Steel protection grill, black
ROV-LSN	64 186 77 603 686	White plastic reflector

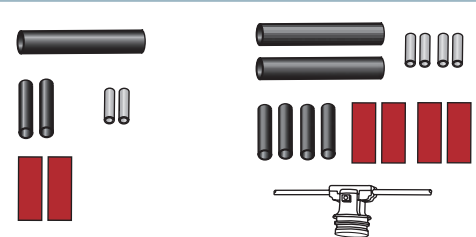
ROV ROV-LSN



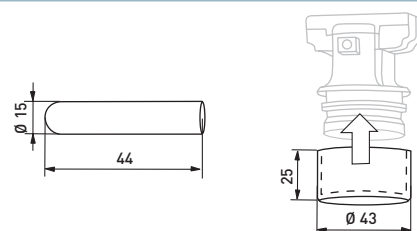
ROV-85 ROV-LON



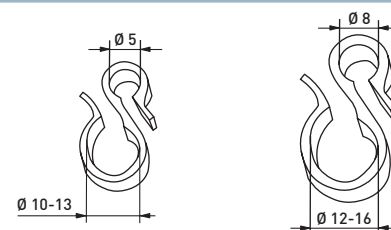
ROV-P ROV-RS



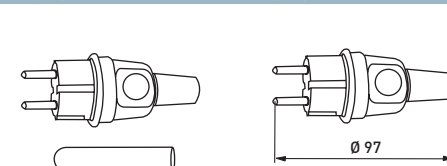
ROV-AH ROV-DBI



ROV-S ROV-SS



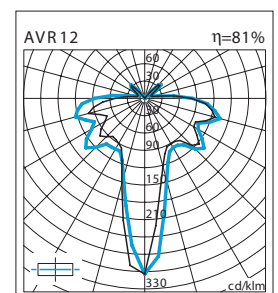
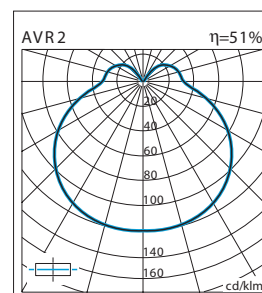
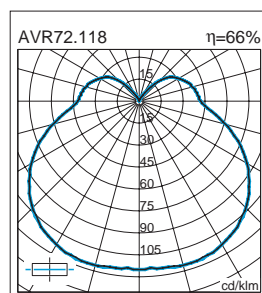
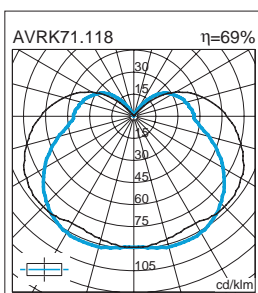
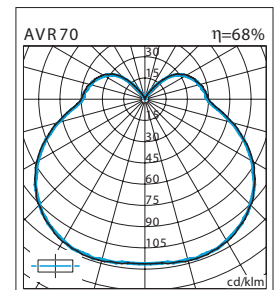
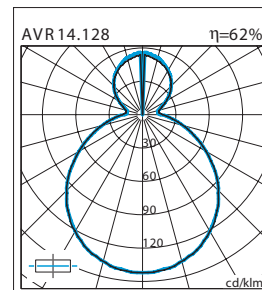
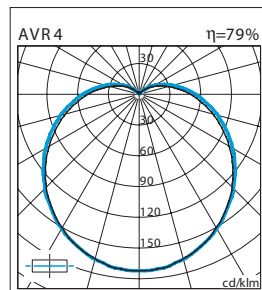
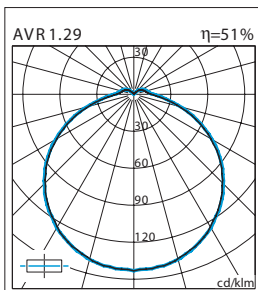
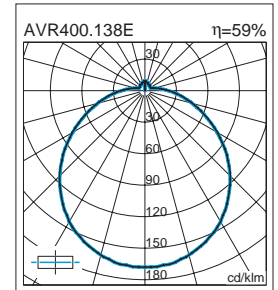
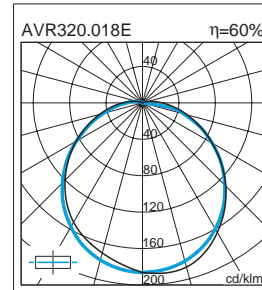
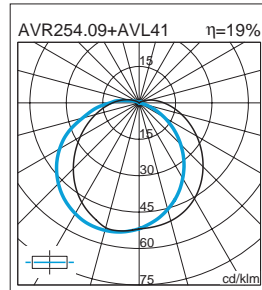
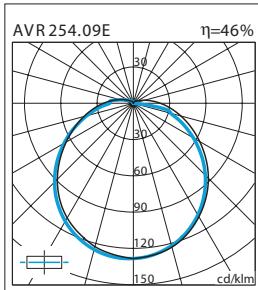
ROV-SET ROV-SP



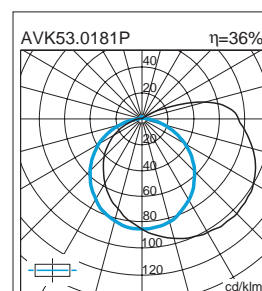
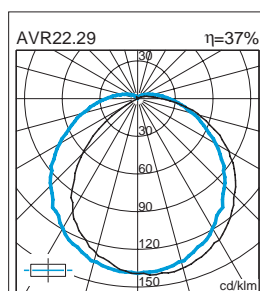
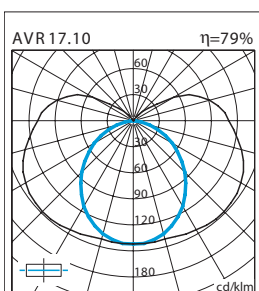
• = Light sources included

Light distribution

All-round luminaires

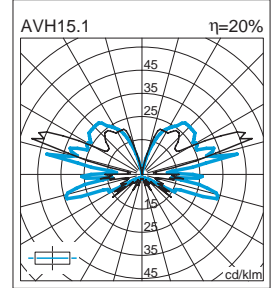
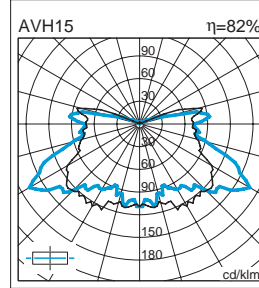
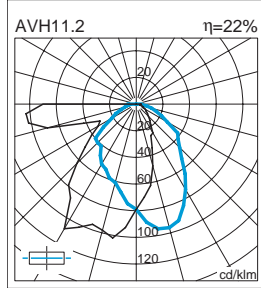
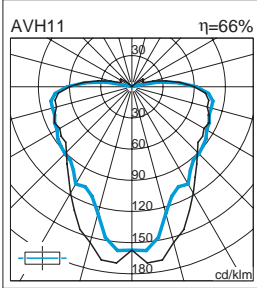


Workpoint luminaires

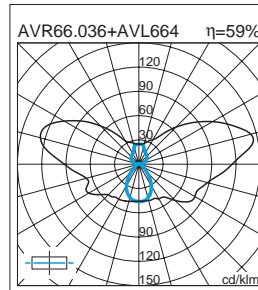
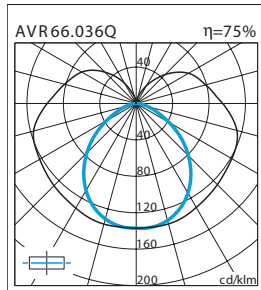
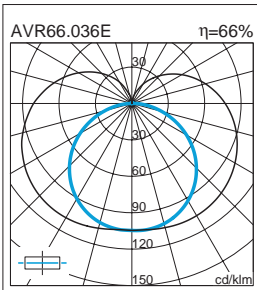


Light distribution

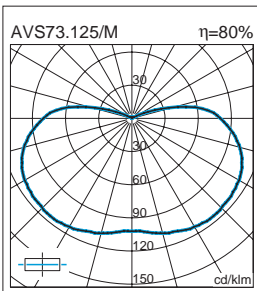
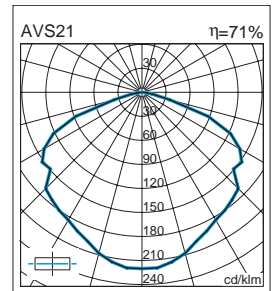
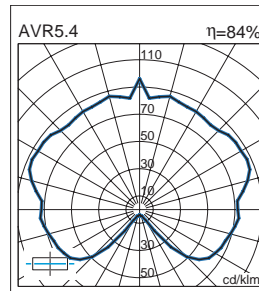
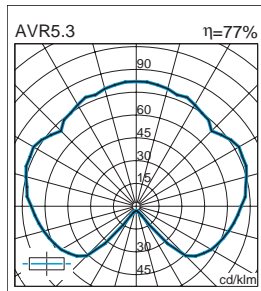
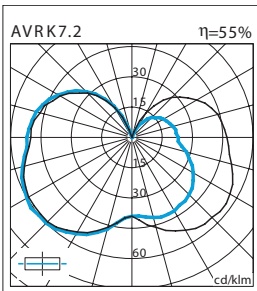
Sauna luminaires



Jono luminaires



Outdoor luminaires

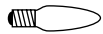


Light sources

Product	Code	Wattage W	Lamp holder	Luminous flux lm	Average lifetime h
Std. incandescent lamp 230/240 V	A60	40	E 27	430	1 000
	A60	60	E 27	720	1 000
	A60	75	E 27	950	1 000
	A60	100	E 27	1 360	1 000



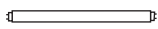
Candle lamp 230/240 V	C35	40	E 14	400	1 000
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Fluorescent lamp	T8	15	G 13	950	15 000
		18	G 13	1 350	15 000
		30	G 13	2 350	15 000
		36	G 13	3 350	15 000
		58	G 13	5 200	15 000



Fluorescent lamp	T5	14	G 5	1 200	20 000
		21	G 5	1 900	20 000
		28	G 5	2 600	20 000
		35	G 5	3 300	20 000
		24	G 5	1 750	20 000
		39	G 5	3 100	20 000
		54	G 5	4 450	20 000
49	G 5	4 300	20 000		



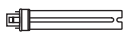
Compact fluorescent lamp Four finger	TC-DSE	7/9	E 27	400	8 000
		11	E 27	600	8 000
		15	E 27	900	8 000
		20	E 27	1 200	8 000



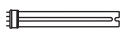
Compact fluorescent lamp Six finger	TC-TSE	15	E 27	900	10 000
		20	E 27	1 200	10 000
		23	E 27	1 500	10 000



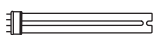
Compact fluorescent lamp	TC	9	G 23	600	8 000
		11	G 23	900	8 000



Compact fluorescent lamp	TC-E	9	2 G 7	600	8 000
		11	2 G 7	900	8 000



Compact fluorescent lamp	TC-L	18	2 G 11	1 200	12 000
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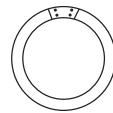
Product	Code	Wattage W	Lamp holder	Luminous flux lm	Average lifetime h
Compact fluorescent lamp Four finger	TC-D	26	G 24 d-3	1 800	8 000
		18	G 24 q-2	1 200	8 000
		26	G 24 q-3	1 800	8 000



Compact fluorescent lamp	TC-DD	16	GR 10 q	1 050	8 000
		28	GR 10 q	2 050	10 000
		38	GR 10 q	2 850	10 000



Circular fluorescent lamp	T5C	22	2 GX 13	1 800	12 000
		55	2 GX 13	4 000	12 000



Blended light lamp	HME-SB	160	E 27	3 100	6 000
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High pressure mercury lamp Ellipsoid	HME	50	E 27	2 000	16 000
		80	E 27	4 000	16 000
		125	E 27	6 500	16 000



High pressure sodium lamp Ellipsoid	HSE-I	50	E 27	3 500	8 000
		70	E 27	5 600	8 000





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