



AVR320

Easy to install AVR320 luminaire range is equipped with new type of innovative technical features like DIP switch for color temperature and lumen output. Various sensor technologies and models for wireless lighting control.

Helvar ActiveAhead

ActiveAhead is a self-learning, wirelessly networked and future proof control system. Active-Ahead luminaires listen and learn by themselves and from each other to make sure that there is always light on your way. Plug'n play, no programming or commissioning needed.

DualWhite

Ensto luminaires with DualWhite solution are equipped with integrated option for light colour temperature switching. You can easily switch between 3000K and 4000K which saves your SKUs and gives you possibility to change colour temperature according to project, with one luminaire.



**Dual
White**

1 Luminaire,
2 Colour temperatures

Move!

Ensto Luminaires and movement detection is a base for many Smart Solutions but operate perfectly as a standalone versions as well. Ensto Move! luminaires use PIR or Radar technique, depending on your projects and demand.

RF

Radio Frequency (RF) enables luminaires to be wirelessly connected to each other. When RF luminaire is detecting movement it will light up the group ahead of it and one behind. RF makes lighting more secure and you'll never enter a dark place.

DIP driver

DIP switches on the driver allow you to easily select right lumen output and wattage depending on your application. It also cuts down the number of SKUs.



World class technology
and quality of light, wide
range of possibilities.



AVR320 + AVL45



AVR320 + AVL46



Structure

- Diffuser opal polycarbonate
- Body polycarbonate
- All models equipped with DIP switch for color temperature (DualWhite technology) 3000K or 4000K
- On/off, PIR, radar and some RF models equipped also with DIP switch for lumen output and wattage
- Ra > 80, power factor 0,97
- Ambient temperature -20 °C - +25 °C
- LED module lifespan $T_a=25$ °C:
 - >100 000 h (L70)
 - 100 000 h (L80)
 - 50 000 h (L90)
- LED driver lifetime $T_a=25$ °C:
 - 100 000 h (max. 10% failure rate)

Control

- AVR320 PIR type of luminaires are sensor luminaires equipped with infra-red motion sensor (PIR) in which are settings for time (1-30 min.), sensitivity and twilight switch function. Some versions of PIR sensor luminaires are available also with wireless radio frequency control signal between the luminaires.
- AVR320 RADAR type of luminaires are sensor luminaires equipped with high-frequency radar to detect motion (Radar) in which are settings for time (1-30 min.), sensitivity and twilight switch function

- AVR320 ActiveAhead luminaires with motion sensor (PIR) and self-learning wireless control. Factory settings 1 min time and 2 min base light.
- 1-10V
- DALI2 / Switch dim

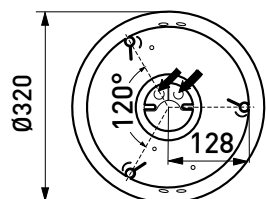
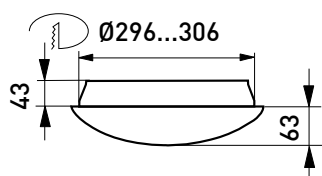
Mounting

- To the ceiling and to the wall or partly recessed
 - Recess depth 43 mm, recess hole \varnothing 306 mm, diffuser diameter \varnothing 320 mm
 - Snap-in terminal block $3 \times 2,5 \text{mm}^2$ with through wiring, PIR/RADAR models -o- $4/5 \times 2,5 \text{mm}^2$
 - Sensor luminaire models see more accurate information at website
- PIR models:
- To the ceiling max. 4 meters height
 - To the wall max. 2,7 meters height
- RADAR models:
- To the ceiling max. 3,5 meters height
 - To the wall 1,7- 2,7 meters height
- Suitable for stand-alone and master-slave installation
- Maximum load behind one master is 400VA, however max. 5 luminaires in the same control group
- Slave luminaires from the Ensto basic luminaire range

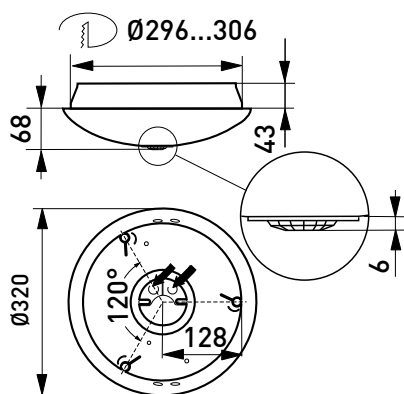
	Power (W)	Luminous flux (4K)	Luminous flux (3K)	
AVR320	5,9	710 lm	680 lm	
AVR320	7,5	940 lm	900 lm	
AVR320	9,2	1170 lm	1110 lm	
AVR320	10,9	1380 lm	1320 lm	
AVR320	12,4	1560 lm	1480 lm	Default
AVR320	14,3	1760 lm	1680 lm	
AVR320	16,2	1950 lm	1860 lm	
AVR320	18,1	2130lm	2030 lm	

E number	Type	Product name	Base	Kg	Luminous flux 4000K (3000K ca. 5 % lower)
AVR320 LED DW luminaire with electronic control gear					
41 035 31	AVR320.114L/DW	AVR320 IP44 LED14W/830/840	LED	1,2	710 / 940 / 1170 / 1380 / 1560 / 1760 / 1950 / 2130 lm
AVR320 LED DW with 1-10V dimmable electronic control gear					
41 035 15	AVR320.110DL/DW	AVR320 IP44 LED10W/830/840 D	LED	1,2	1080 lm
41 035 28	AVR320.114DL/DW	AVR320 IP44 LED14W/830/840 D	LED	1,2	1560 lm
AVR320 LED DW base light model with 1-10V dimmable electronic control gear and a relay for controlling the 5%/100% light levels through a separate 230V power supply					
41 035 29	AVR320.114DLR/DW	AVR320 IP44 LED14W/830/840 DRE	LED	1,3	1560 lm
AVR320 LED DW PIR sensor luminaires with electronic control gear					
41 035 18	AVR320.1144L/DW	AVR320 IP44 LED14W/830/840 PIR	LED	1,2	710 / 940 / 1170 / 1380 / 1560 / 1760 / 1950 / 2130 lm
AVR320 LED DW radar sensor luminaires with electronic control gear					
41 035 26	AVR320.1149L/DW	AVR320 IP44 LED14W/830/840 RAD	LED	1,2	710 / 940 / 1170 / 1380 / 1560 / 1760 / 1950 / 2130 lm
AVR320 LED DW PIR sensor luminaires with 1-10V dimmable electronic control gear. Base light level 5% and PIR controlled light level 100%					
41 034 77	AVR320.1106DL/DW	AVR320 IP44 LED10W/830/840 DP6	LED	1,3	1080 lm
41 035 22	AVR320.1146DL/DW	AVR320 IP44 LED14W/830/840 DP6	LED	1,3	1560 lm

E number	Type	Product name	Base	Kg	Luminous flux 4000K (3000K ca. 5 % lower)
AVR320 LED DW PIR sensor luminaires with 1-10V dimmable electronic control gear. Base light level 5% or 20% and PIR controlled light level 80% or 100% + on/off					
41 034 63	AVR320.1105DL/DW	AVR320 IP44 LED10W/830/840 DP5	LED	1,2	1080 lm
41 035 20	AVR320.1145DL/DW	AVR320 IP44 LED14W/830/840 DP5	LED	1,3	1560 lm
41 035 83	AVR320.1195DL/DW	AVR320 IP44 19W 830/840 DP5	LED	1,3	2050 lm
AVR320 LED DW radar sensor luminaires with 1-10V dimmable electronic control gear. Base light level 5% and radar controlled light level 100%					
41 034 79	AVR320.1109DL/DW	AVR320 IP44 LED10W/830/840 DR	LED	1,3	1080 lm
41 035 25	AVR320.1149DL/DW	AVR320 IP44 LED14W/830/840 DR	LED	1,3	1560 lm
AVR320 LED DW PIR ActiveAhead sensor luminaire					
41 173 62	AVR320.1107L/DW/AAG2	AVR320 IP44 10W/830/840 PIR AAG2	LED	1,2	1080 lm
41 173 64	AVR320.1147L/DW/AAG2	AVR320 IP44 14W/830/840 PIR AAG2	LED	1,2	1560 lm
41 173 65	AVR320.1197L/DW/AAG2	AVR320 IP44 19W/830/840 PIR AAG2	LED	1,2	2050 lm
AVR320 LED DW PIR sensor luminaires with RF sender (Master on/off models)					
41 035 19	AVR320.1144L/DW/RF	AVR320 IP44 14W/830/840 PIR RF	LED	1,3	710 / 940 / 1170 / 1380 / 1560 / 1760 / 1950 / 2130 lm
AVR320 LED DW luminaires with RF receiver (slave models)					
41 035 33	AVR320.114L/DW/RF	AVR320 IP44 LED14W/830/840 RF	LED	1,2	710 / 940 / 1170 / 1380 / 1560 / 1760 / 1950 / 2130 lm
AVR320 LED DW PIR sensor luminaires with 1-10V dimmable control gear and RF sender. Base light level 5% and PIR controlled light level 100% (Master model)					
41 035 23	AVR320.1146DL/DW/RF	AVR320 IP44 14W/830/840 DP6 RF	LED	1,3	1560 lm
AVR320 LED DW with 1-10V dimmable control gear, RF receiver and relay for controlling the 5%/100% light levels (slave model)					
41 035 30	AVR320.114DLR/DW/RF	AVR320 IP44 14W/830/840 DRE RF	LED	1,3	1560 lm
AVR320 LED DW DALI2 luminaire with switch dim control gear					
41 035 14	AVR320.110DDL/DW	AVR320 IP44 LED10W/830/840 DA	LED	1,2	1080 lm
41 035 27	AVR320.114DDL/DW	AVR320 IP44 LED14W/830/840 DA	LED	1,2	1560 lm
41 035 86	AVR320.119DDL/DW	AVR320 IP44 19W 830/840 DA	LED	1,2	2050 lm
AVR320 LED DW luminaire with 1 hour battery back-up. DL models with base light level 5% or 20% and PIR controlled light level 80% or 100% + on/off					
41 035 32	AVR320.114L/DW/1M	AVR320 IP44 LED14W/830/840 1M	LED	1,4	710 / 940 / 1170 / 1380 / 1560 / 1760 / 1950 / 2130 lm
41 034 73	AVR320.1105DL/DW/1M	AVR320 IP44 10W/830/840 DP51M	LED	1,5	1080 lm
41 035 21	AVR320.1145DL/DW/1M	AVR320 IP44 14W/830/840 DP51M	LED	1,5	1560 lm
AVR320 luminaire for E27 LED lamps					
41 178 02	AVR320	AVR320 IP44 max 23W/E27 PCO	E27	1,0	
AVR320 LED-kit conversion kits					
40 103 32	AVL217/DW	LEDkit 14W DW AVR320			
40 103 33	AVL219/DW	LEDkit R 14W DW AVR320			
40 103 34	AVL218/DW	LEDkit PIR 14W DW AVR320 4E			
40 103 37	AVL237.2/DW	LEDkit 14W DW AVR320 AAG2			
AVR320 decorative frames polycarbonate					
41 176 81	AVL58	White			
AVR320 decorative frames power coated aluminium					
41 178 70	AVL45	White			
41 178 72	AVL45.2	Antique-Silver			
41 178 73	AVL45.3	Steel			
AVR320320 anti-glare frames galvanized powder coated steel					
41 176 72	AVL46	White			
AVR320 square frames galvanized powder coated steel					
41 176 75	AVL47	White			
AVR320 accessories					
41 179 28	AVV320	Diffuser AVR320			
41 179 29	AVV320.1	Diffuser AVR320 PIR			



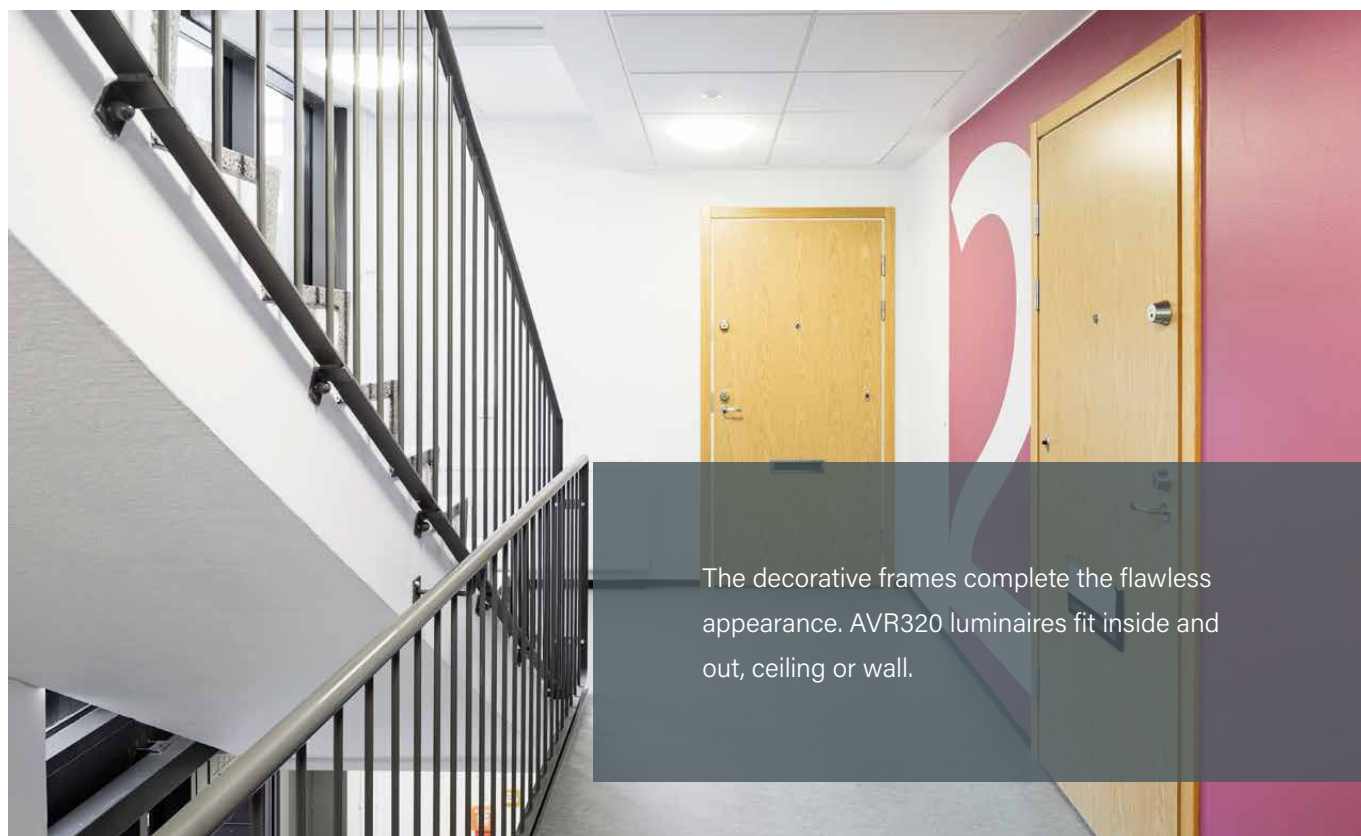
AVR320



AVR320 PIR sensor luminaire

Luminaires per miniature circuit breaker	B10	B16	C10	C16
AVR320.114L/DW	25	40	41	66
AVR320.110DL/DW	27	43	45	73
AVR320.114DL/DW	27	43	45	73
AVR320.114DLR/DW	27	43	45	73
AVR320.1144L/DW	25	40	41	66
AVR320.1149L/DW	25	40	41	66
AVR320.1106DL/DW	27	43	45	73
AVR320.1146DL/DW	27	43	45	73
AVR320.1105DL/DW	27	43	45	73
AVR320.1145DL/DW	27	43	45	73
AVR320.1195DL/DW	27	43	45	73
AVR320.1109DL/DW	27	43	45	73
AVR320.1149DL/DW	27	43	45	73

Luminaires per miniature circuit breaker	B10	B16	C10	C16
AVR320.1107L/DW/AA	31	51	52	85
AVR320.1147L/DW/AA	31	51	52	85
AVR320.1197L/DW/AA	31	51	52	85
AVR320.1144L/DW/RF	25	40	41	66
AVR320.114L/DW/RF	25	40	41	66
AVR320.1146DL/DW/RF	27	43	45	73
AVR320.114DLR/DW/RF	27	43	45	73
AVR320.110DDL/DW	27	43	45	73
AVR320.114DDL/DW	27	43	45	73
AVR320.119DDL/DW	27	43	45	73
AVR320.114L/DW/1M	20	32	32	52
AVR320.1105DL/DW/1M	27	43	45	73
AVR320.1145DL/DW/1M	27	43	45	73



The decorative frames complete the flawless appearance. AVR320 luminaires fit inside and out, ceiling or wall.