LIGHTING AND EXHAUST FANS IN CANOPIES

USER MANUAL

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1. USAGE

In standard, canopies: OW, OP, ON, OK, OZ are executed without lighting installation and do not have exhaust fan installed.

At the client's request, canopies can be equipped with:

- lighting in the form of casing suspended to canopy ceiling
- integrated lighting (not applicable to condensation canopies OZ)
- spotlights
- additional fan (for canopies type: OW01, OW02, OP50 of height 550 mm)
- hermetic switch to turn on the light or fan

2. LIGHTING

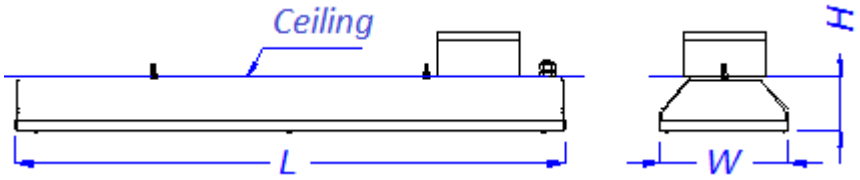
maximum permissible exposure temperature on LED lighting in continuous operation cannot exceed 80°C.

Basic features

- energy efficiency class A+
- high LED efficiency on at 130lm/W
- protection degree IP 44
- safety tempered glass

2.1. LIGHTING, SUSPENDED CASING

In canopies there is a possibility of mounting lighting in form of a suspended casing type AW106, AW109, AW112 or AW115.



Lamp	Power [W]	luminous flux [lm]	Dimensions [mm] LxWxH
AW106	2x9	2x 1070	660x154x62
AW109	2x14	2x 1720	960x154x62
AW112	2x18	2x 2240	1260x154x62
AW115	2x22	2x 2760	1560x154x62

The minimum width of the canopies in which can be mounted suspended lighting AW106, AW109, AW112, AW115.

Type	Description	Minimal width [mm]
OW01	Wall exhaust canopy	700
OW02	Central exhaust canopy	1500
OP50	Wall-mounted low canopy	700
OP51	Central low canopy	1500
ON10	Induction wall canopy	1000
ON20	Induction central canopy	2000
OK11	Combined (induction&compensation) wall canopy	1000
OK22	Combined (induction&compensation) central canopy	2000

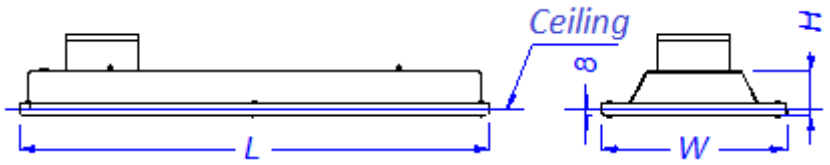
Number of suspended casings AW106, AW109, AW112 and AW115 depending on the length of canopy:

Length	Wall canopy	Central canopy
700 ≤ L < 1000	1x AW106	2x AW106
1000 ≤ L < 1300	1x AW109	2x AW109
1300 ≤ L < 1600	1x AW112	2x AW112
1600 ≤ L < 2000	1x AW115	2x AW115
2000 ≤ L < 2300	2x AW109	4x AW109
2300 ≤ L < 2600	1x AW109+1x AW112	2x AW109+2x AW112
2600 ≤ L < 2900	2x AW112	4x AW112
L = 2900	1x AW112+1x AW115	2x AW112+2x AW115

For canopies with a side induction, border dimension should be increased by 100 mm (details on request)

2.2. INTEGRATED LIGHTING

In the exhaust canopies (except for canopies OZ) there is a possibility of mounting integrated lighting type AW206, AW209, AW212, AW215.



Lamp	Power [W]	luminous flux [lm]	Dimensions [mm] LxWxHxD
AW206	2x9	2x 1070	660x260x71
AW209	2x14	2x 1720	970x260x71
AW212	2x18	2x 2240	1270x260x71
AW215	2x22	2x 2760	1570x260x71

The minimum width of the canopies in which can be mounted integrated lighting AW206, AW209, AW212, AW215:

Type	Description	Minimal width [mm]
OW01	Wall exhaust canopy	800
OW02	Central exhaust canopy	1600
OP50	Wall-mounted low canopy	800
OP51	Central low canopy	1600
ON10	Induction wall canopy	1200
ON20	Induction central canopy	2400
OK11	Combined (induction&compensation) wall canopy	1200
OK22	Combined (induction&compensation) central canopy	2400

Number of integrated casings AW206, AW209, AW212 and AW215 depending on the length of canopy:

Length	Wall-mounted canopy	Central canopy
$700 \leq L < 1000$	1x AW206	2x AW206
$1000 \leq L < 1300$	1x AW209	2x AW209
$1300 \leq L < 1600$	1x AW212	2x AW212
$1600 \leq L < 2000$	1x AW215	2x AW215
$2000 \leq L < 2300$	2x AW209	4x AW209
$2300 \leq L < 2600$	1x AW209+1x AW212	2x AW209+2x AW212
$2600 \leq L < 2900$	2x AW212	4x AW212
$L = 2900$	1x AW212+1x AW215	2x AW212+2x AW215

For canopies with a side induction, border dimension should be increased by 100 mm (details on request).

2.3. SPOTLIGHT

Spotlight (LED) can be mounted in exhaust canopies (does not apply OZ type at all) only by prior arrangement with the manufacturer.

3. EXHAUST FAN

In the exhaust canopies (type OW01, OW02) and canopies designed for low rooms (OP50, OP51) there is a possibility of installation exhaust fan in a filtration chamber. The exhaust fan can be used in canopies of 550 mm height.
The exhaust fan can be used only when there is not used a collective exhaust system.

Model	Power [W]	Parameters	Static pressure								
			0	25	50	100	170	200	250	300	370
AW051	147	airflow [m3/h]	–	1650	1600	1500	1300	1200	550	–	–
		rpm	–	880	930	1050	1170	1200	1360	–	–
		current [A]	–	1,6	1,4	1,3	1,2	1,1	0,6	–	–
AW052	250	airflow [m3/h]	2250	2225	2180	1925	1050	–	–	–	–
		rpm	780	790	840	860	940	–	–	–	–
		current [A]	2,2	2,1	1,9	1,5	1,2	–	–	–	–
AW053	600	airflow [m3/h]	4400	4300	4200	4000	3750	3350	3250	2900	215
		rpm	1200	1240	1230	1270	1310	1330	1350	1370	1410
		current [A]	6,4	6,2	6,0	5,6	5,1	4,7	4,3	3,8	3,1

Details of the fan installation in the canopy should always be consulted with the manufacturer.

4. WORK SAFETY INSTRUCTIONS

Proper exploitation of the device is crucial for its durability and significantly affects its reliability. A few of following instructions will help maintain the device in a good condition for many years:
The employers operating the device should be acquainted with:

1. basic rules concerning electric devices usage, basic rules of safe work, basic rules of fire protection in kitchens, principles of first aid in emergency situations
2. practical rules of proper device usage

In addition:

1. It is forbidden to connect the unit to the mains, which was not previously checked for proper implementation of fire protection
2. It is forbidden to wash, clean and repair any device connected to the mains.
3. it is forbidden to wash the device with water spray.
4. Repairs can be conducted only be person authorized to do so, respecting the principle of replacing damaged parts on the same or recommended by the producer.

5. CONSERVATION AND CLEANING

Prior to cleaning operations, maintenance and repair turn the device off from the mains.

Daily conservation means maintaining the device in the condition up to the hygienic and sanitary requirements. Therefore on an ongoing basis wipe any dirt caused by everyday use of the device.

- To clean stainless steel use a soft cloth (sponge) soaked in a solution of warm water and mild detergent. Then wipe previously cleaned surfaces with a cloth soaked with water only and wipe dry thoroughly. For cleaning can be used special agents designed for stainless steel cleaning.
- To clean glass surfaces can be used agents designed for this type of surface.
- Make a visual inspection of the visible parts of the electrical system.

It is forbidden to clean the canopy using any abrasive, corrosive or based on chlorine materials that could scratch or damage the surface. In case of contact of above materials with stainless steel surface, it should be immediately wiped and cleaned carefully by using water with detergent.

Water stream should not be used for cleaning, but only a wet cloth.

6. REPAIRS

All repairs should be done by the authorized service.

In case of device failure, please contact with Gort Export Department: export@gort.pl
Any malfunctions should be reported to the Seller in writing. The report should contain the appliance's type/model, it's serial number and the description of malfunction as well as the name and address of the site where the appliance is installed. The contact details of reporting person should also be attached. Manufacturer reserves the right to make changes and improvements in the appliance and it's technical specification without notice.

It is recommended to make a periodical check-up once a year. This check-up includes activities connected with defining the level of wear and tear or damage of certain elements.

Please use the electric scheme of the device (see chapter **8. ELECTRICAL SYSTEM SCHEME IN CANOPIES**) for electric installation repairs.

7. LIST OF SPARE PARTS

	Number of drawing or commodity code	Name
Integrated lighting AW206		
1	UE400124	LED tube 9W 230V; T8 L=600
2	US001118	Matte tempered glass #4,0x215x625
Integrated lighting AW209		
3	UE400123	LED tube 14W 230V; T8 L=900
4	US001806	Matte tempered glass #4,0x215x935mm
Integrated lighting AW2012		
5	UE400113	LED tube 18W 230V; T8 L=1200
6	US001119	Matte tempered glass #4,0x215x1235mm
Suspended lighting AW215		
7	UE400135	LED tube 22W 230V; T8 L=1500
8	US001807	Matte tempered glass #4,0x215x1535mm
Suspended lighting AW106		
9	US001811-ZAP	Matte tempered glass #4,0x635x130
10	UE400124	LED tube 9W 230V; T8 L=600
Suspended lighting AW109		
11	US001810-ZAP	Matte tempered glass #4,0x935x130
12	UE400123	LED tube 14W 230V; T8 L=900
Suspended lighting AW112		
13	US001809-ZAP	Matte tempered glass #4,0x1235x130
14	UE400113	LED tube 18W 230V; T8 L=1200
Suspended lighting AW115		
15	US001808-ZAP	Matte tempered glass #4,0x1535x130
16	UE400135	LED tube 22W 230V; T8 L=1500
Exhaust fans		
17	AW052.1	Exhaust fan DDM 9/9 6M0228, motor E6G3402
18	AW051.1	Exhaust fan DDM 7/7 6M029M
19	AW053.1	Exhaust fan DDM 9/9 6M020Z, motor E6G3704

If you need to order spare parts, please contact export@gort.pl

8. ELECTRICAL SYSTEM SCHEME IN CANOPIES