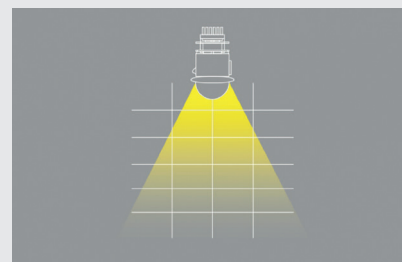
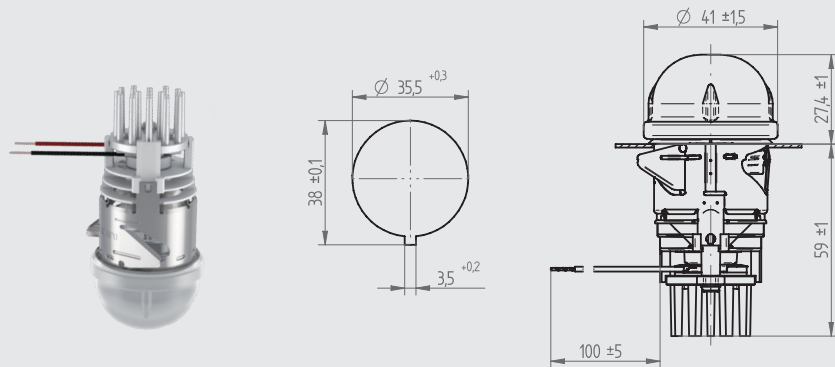




pkg. wt. part no.  
42 58 g 77.110.1001.10

**Round LED oven lamp**

- LED oven lamp with thermal management by AIRPASS Technology
- Snap-in fixing into standardised cut-out  $\varnothing$  35.5 mm
- Material: Lampholder body: LCP  
Sleeve: CrNi  
Lens: soda-lime glass (hard glass) 350° C
- Wires: 100 mm, PVC; 0.35 mm<sup>2</sup>
- Variable LED parameters (light color, CRI, type, power)
- Protection class III by operating with SELV voltage
- Max. possible current supply of the lamp is to be evaluated in the worst possible operating status
- Warranty\*: 5 years
- The choice of our products, as well as the technical correct installation in accordance with the relevant regulations (for example IEC 60598 / VDE 0711, IEC 60335 / VDE 0700) is the sole responsible of the user.



Symmetrical light distribution

**AIRPASS technology:**

AIRPASS discs are located on several levels between the LED light source and the reflector or the glass lens to enable air to circulate away from the LED. The AIRPASS discs also provide protection against radiant heat, thereby keeping the heat emitted from the oven chamber away from the LED.

Technical data at Tc 85° C	
Photometric data	
Luminous flux of LED	125 lm
Module efficiency	41.7 lm/W
Colour temperature	3.500 K
Colour tolerance	< 3 SDCM
Colour Rendering Index CRI	>80
Temperature data	
Max. temperature at Tc point of heat sink	110° C
Storage temperature	-30 °C up to +45 °C
Electrical data	
Operating mode	Constant current
Operational voltage	1.000 mA
Operational current	3.0 V
Power consumption	3 W
Average life span (L70)	5.000 h
Dimmable	yes, with suitable control gear

Tolerances of optical and electrical data:  $\pm$  10%



# BJB///OEM-Line AIR



77.110

## General information for round LED oven lamp



### EOS/ESD safety guidelines

Some components of the BJB /// OEM – Line Modular System might be harmed by electrostatic discharge (ESD) and electrical overstress (EOS) and may only be installed in the factory and on site if appropriate EOS/ESD protection measures have been taken.

Modules where no contact to the LED module is possible do not need special measures for protection of electrostatic discharge (ESD).

### Assembly instructions

The LED module may be exposed to tensile or compressive stresses.

### Note to chemical reactions

Chemical substances may harm the LED module. This could lead to reduced luminous flux, colour shift or total failure of the module caused by corrosion of electrical connections. Avoid corrosive atmosphere during usage and storage.

### Life span and lumen maintenance

The light output of an LED module decreases over the life-time, this is characterized with the L value.

L70 means that the LED module will give 70 % of its initial luminous flux. This value is always related to the number of operation hours and therefore defines the lifetime of an LED module. As the L value is a statistical value and the lumen maintenance may vary over the delivered LED modules.

### Thermal design, tc point, ambient temperature and life-time

The rated life of a LED module depends to a large extent on the temperature. If the permissible temperature limits are exceeded, the life of the LED module will be greatly reduced or the module may be destroyed.

The temperature at tc reference point is crucial for the light output and life-time of a LED module.

### Electrical supply

- The LED modules have no special protection against overvoltage, overcurrent, overload or short-circuit currents.
- To ensure reliable and safe operation a converter must be used which corresponds to the relevant regulations.
- The BJB LED modules can be operated on SELV converters.
- The use of converters that provide constant current, permanent damage may occur.
- Wrong polarity may cause damage to the BJB LED components.