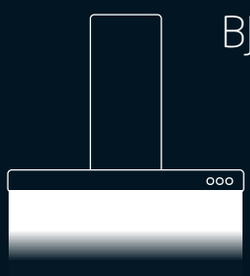
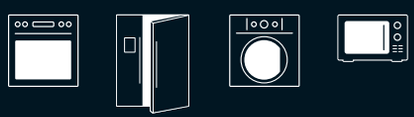
Light for Appliances



BJB///OEM-Line AIR



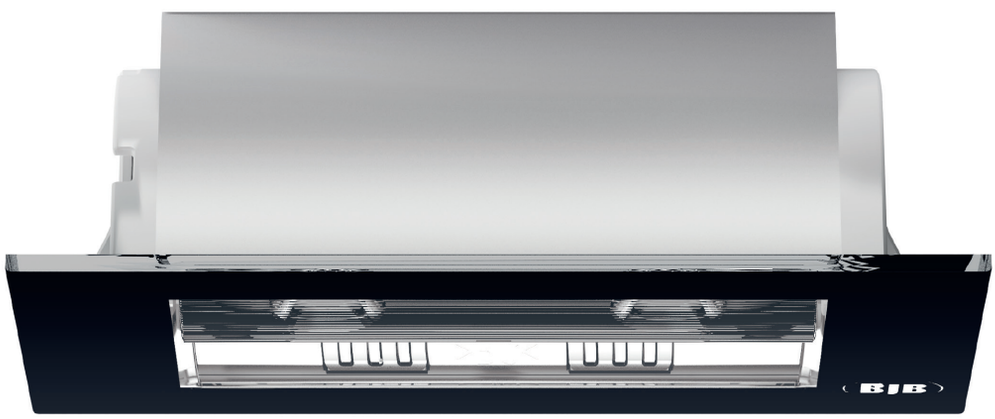
LED lighting for cooker hoods

Index

LED lighting for cooker hoods

BJB///OEM-Line AIR

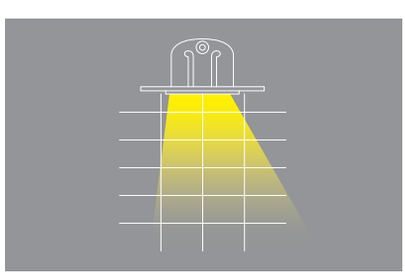
Linear LED luminaire 77.101.1002 for cooker hoods



AT LAST: LIGHT FOCUSED DIRECTLY ONTO THE HOB!

The typical problem with cooker hood lighting: There is no specific, uniform illumination of the hob. Our high-quality LED solutions remedy this problem by means of asymmetrical lenses and variable positioning options. As well as providing homogeneous light distribution, they eliminate all types of glare and keep stray light to a minimum.

Light emission characteristic



Optimum illumination of the hob by means of asymmetrical lens

ADDITIONAL FEATURES

Modular system with variable components with regard to optics, design, snap-in fixing, LED parameters (colour temperature, CRI, power rating), electrical connections, length and type of conductor

LEDs
- Replace halogen luminaires
- Energy efficiency: Possibility to upgrade to a higher energy efficiency class

Thermal management
- Thermally optimised components
- Uniform contact pressure of LED board on heat sink due to BJB fixing elements (Push-to-Fix)
- Aluminium heat sink

Installation
- Front, back or side
- Coding ensures correct installation
- Snap-in function makes installation easy

Design
- Customer-specific design
- Customer logo possible
- Faceplate in various designs and colours

Example of application

LED

Technical data

- Narrow colour tolerance: McAdam 3.5 SDCM
- Beam angle asymmetrical
- Tc max. 65 °C
- Protection class III due to SELV operation
- Clip-in fixing for snap-in range 0.5 - 1.5 mm

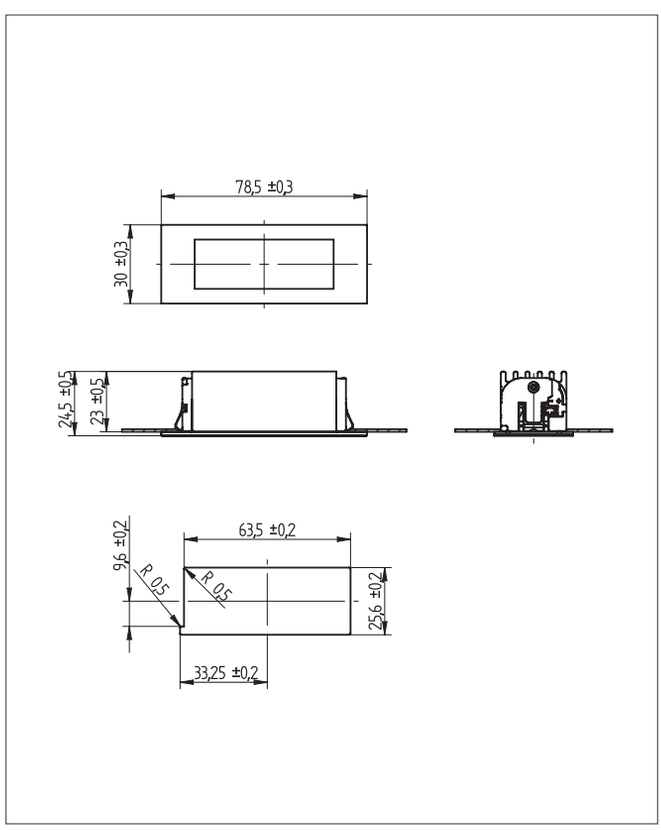
CE RoHS 2

Version	77.101.1002.00
Forward current IF *	400 mA
Colour rendering CRI	> 80
Colour temperature **	3,500 K
Luminous flux	415 lm
Module efficiency	95 lm/W
Forward voltage UF	10.9 V
Power consumption	4.4 W

Tolerances of optical and electrical data: +/- 10%
The values given represent "typical" data. The minimum and maximum values can be found in the respective data sheets.

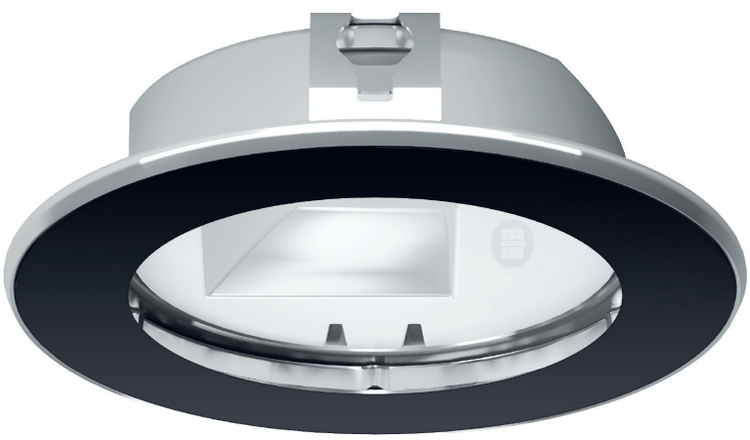
* Taking into account the thermal installation situation, the forward current IF can theoretically be increased up to a max. 700 mA. The tc point of the LED light fixture must not be exceeded, however. Caution: Changing the current feed has an influence on the operating life of the PCB, the luminous flux, the operating performance and, therefore, the module efficiency!

** The colour rendering of this PCB solution also enables an LED order for CRI > 85 or > 90 to be made if requested by the customer.



BJB///OEM-Line AIR

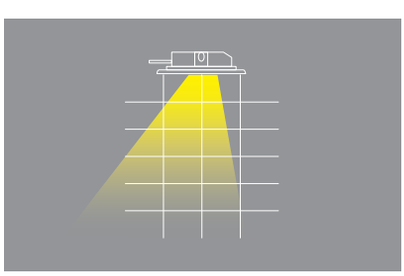
Round LED luminaire 77.102.1001 for standard cut-out



LIGHT CONTROL MADE EASY

Impressively easy to use: These high-quality LED applications can be used directly to replace current halogen luminaires with a Ø = 51 mm cut-out. Excellent illumination of the hob and absence of glare are achieved firstly by means of reflectors which ensure asymmetrical light emission, secondly through their variable positioning possibilities, and thirdly by minimizing stray light.

Light emission characteristic



Excellent illumination of the hob by means of asymmetrical reflector

ADDITIONAL FEATURES

Modular system: Variable with regard to reflector, design, snap-in fixing, LED parameters (colour temperature, CRI, power rating), electrical connections, length and type of conductor

LEDs
- Suitable for standard cut-out Ø = 51 mm
- Energy efficiency: Possibility to upgrade to a higher energy efficiency class

Thermal management
- Thermally optimised components
- Uniform contact pressure of LED board on heat sink due to BJB fixing elements (Push-to-Fix)

Installation
- Front or back
- Coding ensures correct installation

Design
- Customer-specific design
- Customer logo possible
- Visible faceplate with various possible designs and colours

Material
- Stainless steel housing and snap-in bracket
- High-quality plastic cover with resistant coating

Example of application

LED

Technical data

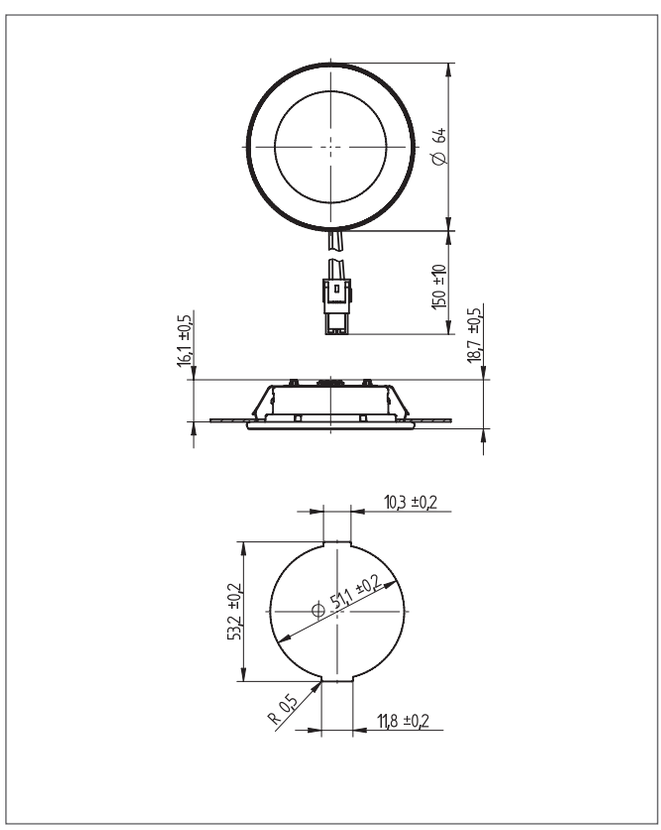
- Narrow colour tolerance: McAdam 3.5 SDCM
- Beam angle asymmetrical
- Tc max. 65 °C
- Protection class III due to SELV operation
- Clip-in fixing for snap-in range 0.5 - 1.5 mm

CE RoHS 2

Version	77.102.1001.00
Forward current IF *	480 mA
Colour rendering CRI	> 80
Colour temperature	3,000 K
Luminous flux	325 lm
Module efficiency	115 lm/W
Forward voltage UF	5.8 V
Power consumption	2.8 W

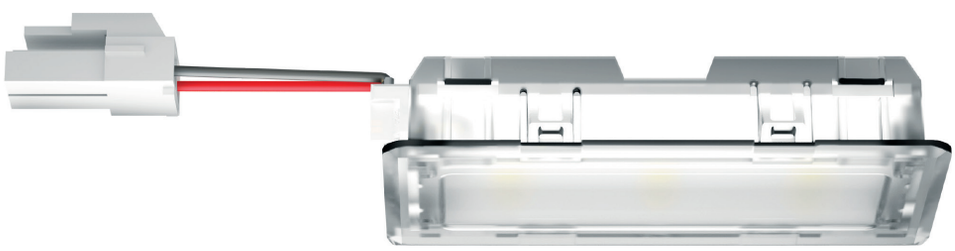
Tolerances of optical and electrical data: +/- 10%
The values given represent "typical" data. The minimum and maximum values can be found in the respective data sheets.

* Taking into account the thermal installation situation, the forward current IF can theoretically be increased up to a max. 700 mA. The tc point of the LED light fixture must not be exceeded, however. Caution: Changing the current feed has an influence on the operating life of the PCB, the luminous flux, the operating performance and, therefore, the module efficiency!



BJB///OEM-Line AIR

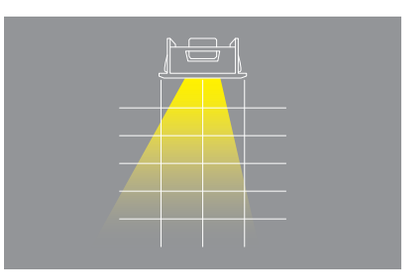
Linear LED luminaire 77.107.1001 for cooker hoods



BETTER ILLUMINATION THROUGH LOWER LUMINANCE

Sounds paradoxical, but works perfectly: A lower luminance combined with variable positioning and an internal reflector reduces glare and provides a uniform illumination of the work surface. The reflector creates an asymmetrical beam angle, thereby directing the light specifically to the desired location. In this way, these linear LED luminaires solve a common problem of cooker hood lighting solutions – the irregular illumination of the hob.

Light emission characteristic



Light where it is needed: Specific directional light control

ADDITIONAL FEATURES

LEDs
- Suitable as replacements for halogen
- Variable LED parameters (colour temperature, CRI, power rating)
- Energy efficiency: Possibility to upgrade to a higher energy efficiency class

Installation
- Coding ensures correct installation

Design
- New design possibilities
- Customer logo can be integrated

Material
- High-quality insulating plastic housing

Electronics
- Contact by means of edge connectors with or without connecting cable

Example of application

LED

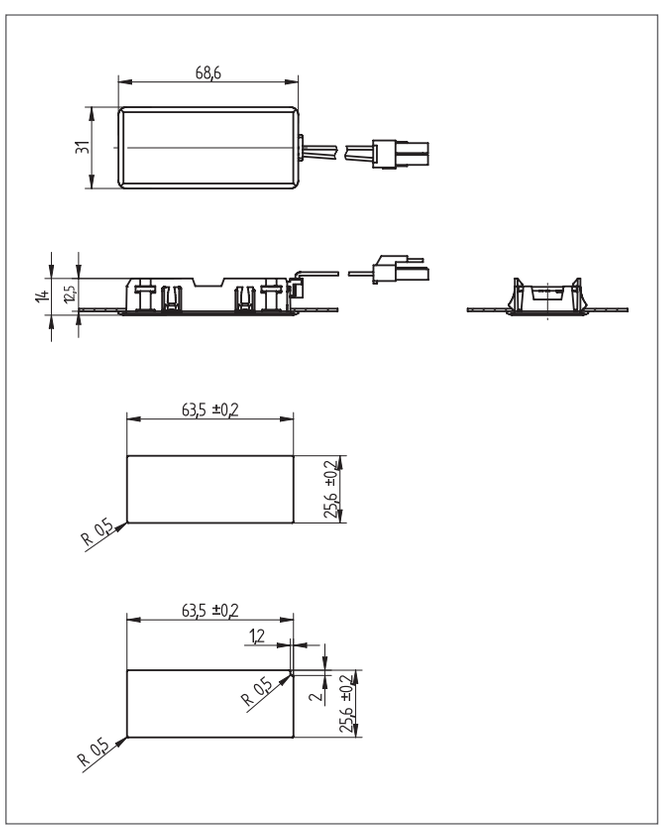
Technical data

- Narrow colour tolerance: McAdam 3.5 SDCM
- Beam angle asymmetrical
- Tc max. 85 °C
- Protection class III due to SELV operation

CE RoHS 2

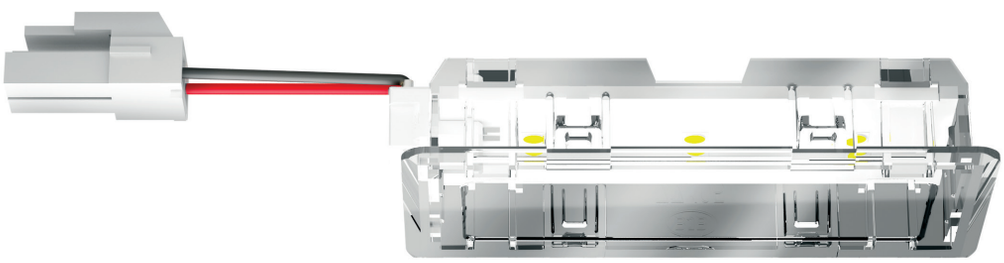
Version	77.107.1001
Forward current IF	110 mA
Colour rendering CRI	> 80
Colour temperature	4,000 K
Luminous flux	270 lm
Module efficiency	135 lm/W
Forward voltage UF	18 V
Power consumption	2 W

Tolerances of optical and electrical data: +/- 10%
The values given represent "typical" data. The minimum and maximum values can be found in the respective data sheets.



BJB///OEM-Line AIR

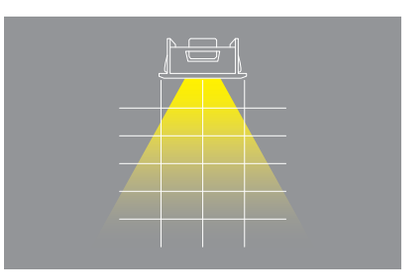
Linear LED luminaire 77.105.1001 for cooker hoods



OUR STANDARD SOLUTION FOR LINEAR HALOGEN REPLACEMENT

LED solutions are easier to implement than one imagines. This is clearly demonstrated by our linear LED luminaires for cooker hoods. Their simple design keeps costs low. If demands increase, however, these solutions can also be upgrade das required by the use of lenses and other surface finishes.

Light emission characteristic



Illumination of the hob by means of symmetry

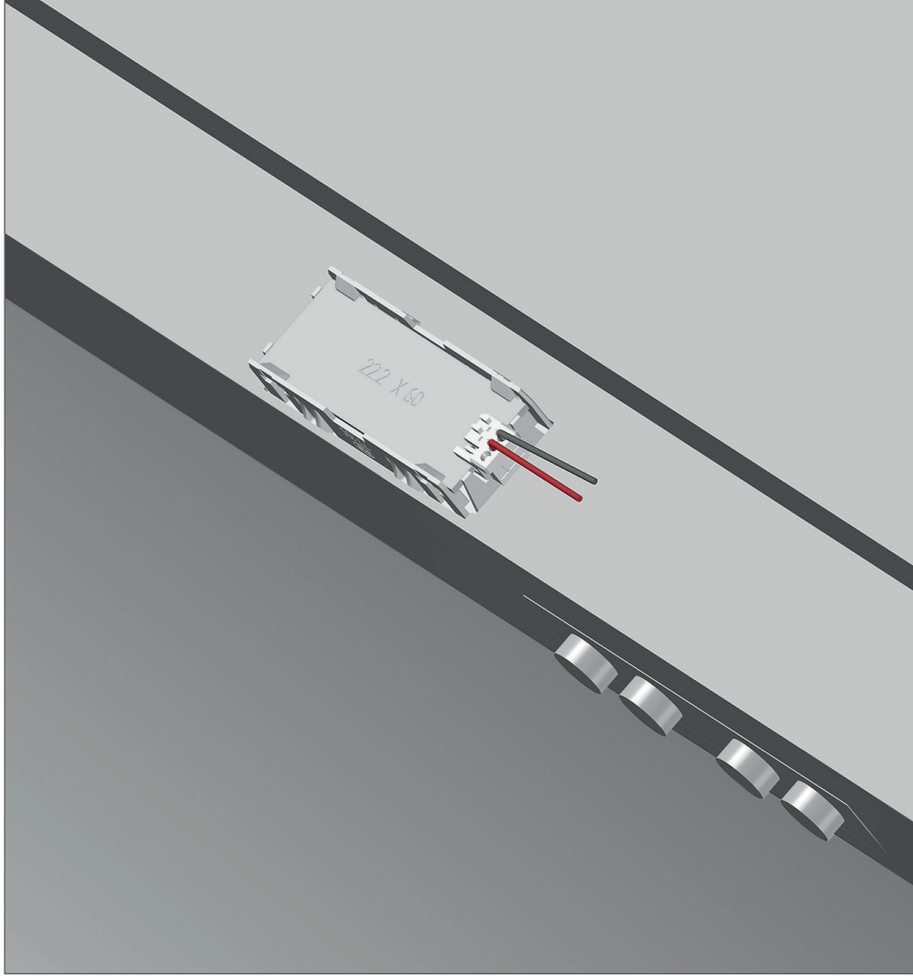
ADDITIONAL FEATURES

LEDs
- Symmetrical light emission characteristic
- LED variable (colour temperature, CRI, power rating)
- Energy efficiency: Possibility to upgrade to a higher energy efficiency class

Design
- Customer logo possible

Material
- High-quality insulating plastic housing

Electronics
- Contact by means of edge connectors with or without connecting cable



Example of application

LED

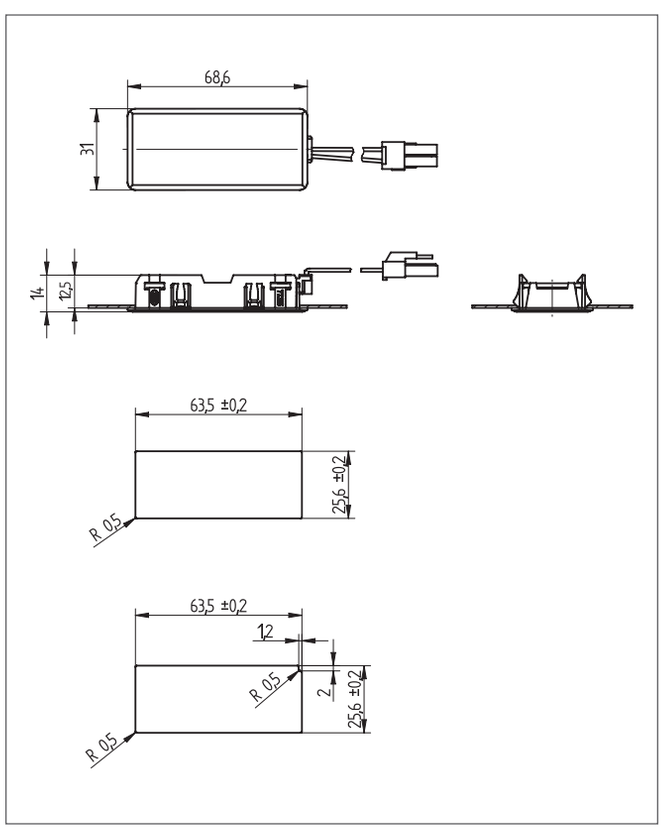
Technical data

- Narrow colour tolerance: McAdam 3.5 SDCM
- Beam angle symmetrical
- Tc max. 85° C
- Protection class III due to SELV operation
- Clip-in fixing for snap-in range 0.5 - 1.0 mm

CE RoHS 2

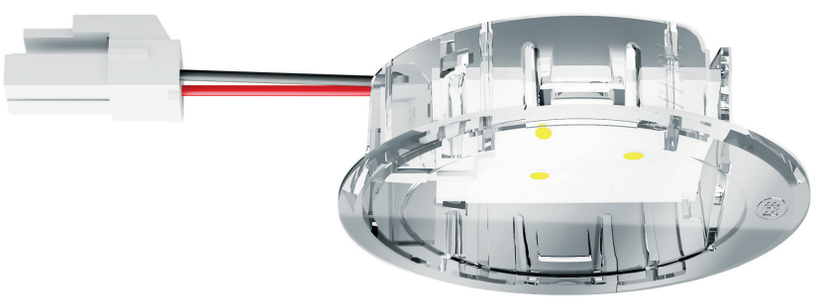
Version	77.105.1001.89
Forward current UV (CV)	12 V DC (constant voltage)
Colour rendering CRI	> 80
Colour temperature	4,000 K
Luminous flux	160 lm
Module efficiency	95 lm/W
Power consumption	1.7 W

Tolerances of optical and electrical data: +/- 10%
The values given represent "typical" data. The minimum and maximum values can be found in the respective data sheets.



BJB///OEM-Line AIR

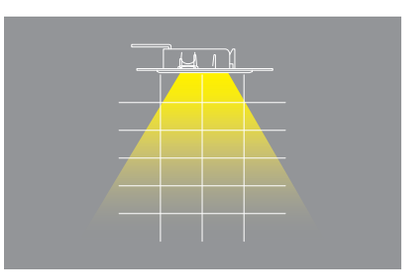
Round LED luminaire 77.104.1001 for cooker hoods



THE QUICK REPLACEMENT FOR HALOGEN

Technological change can be so simple: These round LED applications can be used as direct replacements for halogen luminaires with a Ø = 51 mm cut-out. If required, the basic model can be upgraded by the addition of lenses and alternative surface finishes.

Light emission characteristic



Symmetrical light emission characteristic for optimum illumination

ADDITIONAL FEATURES

LEDs
- Suitable for standard cut-out Ø = 51 mm
- Symmetrical light emission characteristic
- LED variable (colour temperature, CRI, power rating)
- Energy efficiency: Possibility to upgrade to a higher energy efficiency class

Design
- Customer logo possible

Material
- High-quality insulating plastic housing

Electronics
- Contact by means of edge connectors which can be supplied with or without connecting cable

Example of application

LED

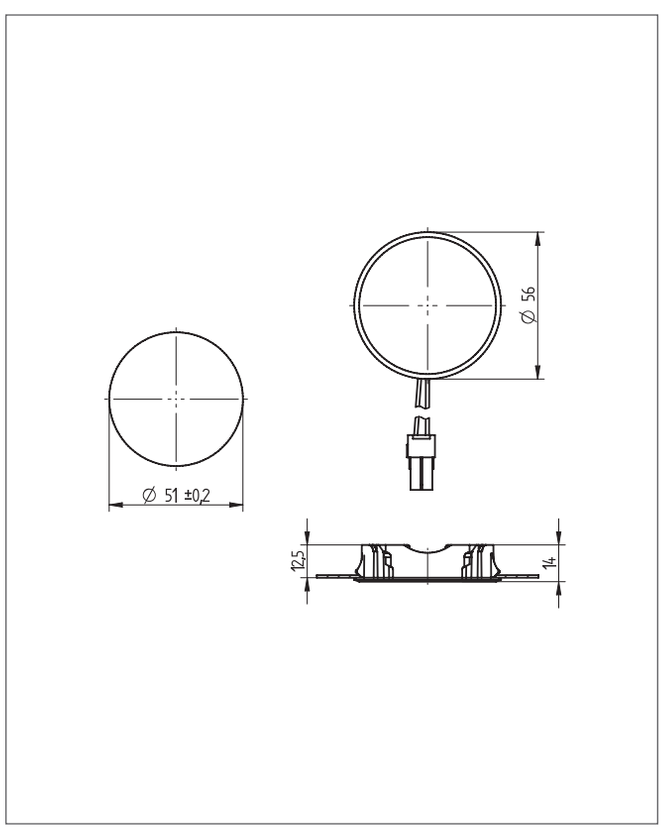
Technical data

- Narrow colour tolerance: McAdam 3.5 SDCM
- Beam angle symmetrical
- Tc max. 85 °C
- Protection class III due to SELV operation
- Clip-in fixing for snap-in range 0.5 - 1.0 mm

CE RoHS 2

Version	77.104.1001.89
Forward voltage UF (CV)	12 V DC (constant voltage)
Colour rendering CRI	> 80
Colour temperature	4,000 K
Luminous flux	160 lm
Module efficiency	95 lm/W
Power consumption	1.7 W

Tolerances of optical and electrical data: +/- 10%
The values given represent "typical" data. The minimum and maximum values can be found in the respective data sheets.



Light for Appliances

BJB GmbH & Co. KG
Werler Straße 1
59755 Arnsberg
Germany
Telephone +49 29 32 9 82-0
Telefax +49 29 32 9 82-8201
info@bjb.com
www.bjb.com