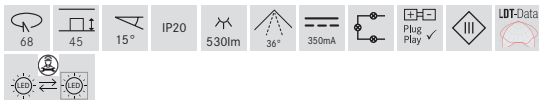
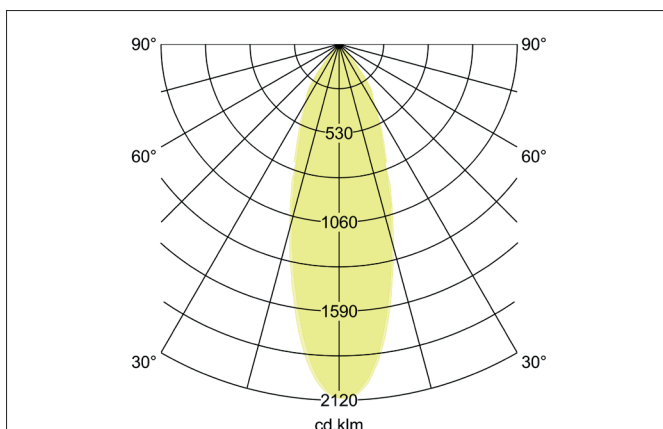
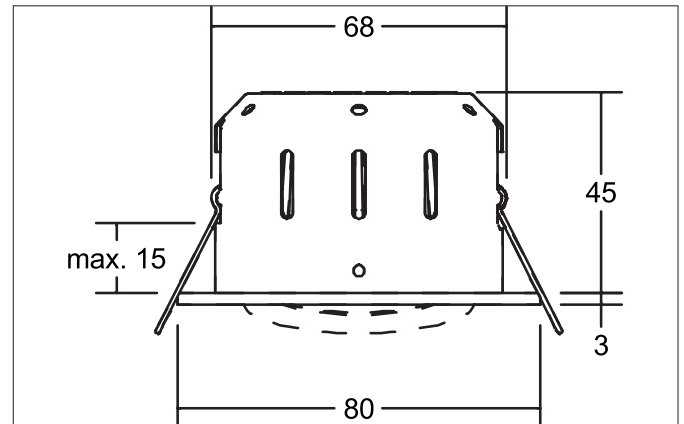



**INDIWO68-R LED recessed spot**

Article no. 12293183


**Tender**

LED recessed spot, Round. Toolless ceiling installation by installation springs. Ceiling cut-out Ø 68 mm, Installation depth 45 mm, Outer diameter 80 mm, Weight 0,147 kg, Reflector silver with rotationssymmetrical, deep, wide distributed light intensity. Cover plastic, transparent. Luminous flux 530 lm, Power 1 x 6 W, Light colour warm white, Correlated color temperature (CCT) 3.000 K, Colour rendering index CRI > 80, Rated life time L80/B20 at 25 °C: 50.000 h, Housing material: Aluminium / Steel / PMMA, Colour: black structure, Permissible ambient temperature (ta): -20 °C up to +25 °C, Protection class (EN 61140): III, Degree of protection (DIN EN 60529): IP20. For connection to an external driver, which is not included in the scope of delivery of the luminaire. Depending on driver dimmable.

**Product Benefits**

- Recessed downlight in round design made of solid aluminum and protective cap for direct installation in thermal insulation material.
- Ceiling cutout 68 mm, outer diameter 80 mm, Installation depth 45 mm, luminous flux 530 lm, IP20.
- Dimmable when using a suitable converter.
- In the same surface structure and in the same colors also available in version dim2warm and square.


**INDIWO68-R LED recessed spot**

Article no. 12293183

| Article data           |                          |
|------------------------|--------------------------|
| Article no.            | 12293183                 |
| GTIN                   | 4255752520009            |
| Series name            | INDIWO68-R               |
| Short description      | LED recessed spot        |
| Material               | Aluminium / Steel / PMMA |
| Colour                 | black structure          |
| Type of surface        | Structure                |
| Shape                  | Round                    |
| Outer diameter         | 80 mm                    |
| Built-in diameter min. | 67 mm                    |
| Built-in diameter max. | 68 mm                    |
| Installation depth     | 45 mm                    |
| Hight                  | 3 mm                     |
| Weight                 | 0.147 kg                 |
| D licence plate        | No                       |
| Conformance            | CE, UKCA                 |

| Lighting technology          |           |
|------------------------------|-----------|
| Colour temperature           | 3.000 K   |
| Light colour                 | white     |
| Light output                 | Direct    |
| Luminous flux                | 530 lm    |
| System efficiency            | 88 lm/W   |
| Colour rendering             | CRI > 80  |
| Reflector                    | Faceted   |
| Reflector colour             | silver    |
| Beam angle                   | 36°       |
| Light sharing                | Symmetric |
| Adjustable color temperature | No        |

| Operating technology of the luminaire |                                                                                                                                                          |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Voltage type                          | DC                                                                                                                                                       |
| Current                               | 350 mA                                                                                                                                                   |
| Lamp                                  | LED                                                                                                                                                      |
| Lamp holder                           | Plug&Play                                                                                                                                                |
| Protection class                      | III                                                                                                                                                      |
| Degree of protection                  | IP20                                                                                                                                                     |
| Dimmable                              | Depending on type of control gear                                                                                                                        |
| Control                               | Depending on driver                                                                                                                                      |
| Bulb change possible                  | The light source of this luminaire may only be replaced by the manufacturer or a service technician commissioned by him or a similarly qualified person. |
| Rated life time L80/B20 at 25 °C      | 50.000 h                                                                                                                                                 |
| Energy efficiency class               | not required                                                                                                                                             |

| Mounting technology         |                                |
|-----------------------------|--------------------------------|
| Mounting method             | Recessed mounting              |
| Place of installation       | Ceiling-mounted                |
| Adjustability               | Pivoted                        |
| Swivel angle                | 15°                            |
| Max. ceiling thickness      | 15 mm                          |
| Material cover              | Plastic, transparent           |
| Suitable for through-wiring | Yes, with optional accessories |



**INDIWO68-R LED recessed spot**  
Article no. 12293183

| Packing data            |                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gross weight            | 0.186 kg                                                                                                                                                                                                                                                                                                                                                                       |
| Length of packaging     | 100 mm                                                                                                                                                                                                                                                                                                                                                                         |
| Packaging width         | 90 mm                                                                                                                                                                                                                                                                                                                                                                          |
| Packaging hight         | 80 mm                                                                                                                                                                                                                                                                                                                                                                          |
| Disposal at end of life | <p>This product must not be disposed of with household waste. You are obliged, to dispose of such electrical waste separately.</p> <p>By disposing of electrical waste and other old or defective electronics separately, you support recycling or other forms of re-use. In that way you help to take care and to avoid that harmful substances get into the environment.</p> |


**INDIWO68-R LED recessed spot**

Article no. 12293183

**Required accessories**

Article no.: 17662000

LED converter 350 mA, on/off switchable

Power: 1 - 7,2 W, Plug&amp;Play

Dimensions: 68 mm x 35 mm x 21 mm

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Article no.: 17662020

LED converter 350 mA, on/off switchable

Power: 1 - 7,2 W, Plug&amp;Play + Anschlussbox

Dimensions: 35 mm x 21 mm

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Article no.: 17663000

LED converter 350 mA, trailing-edge phase dimmable

Power: 2,8 - 7 W, Plug&amp;Play

Dimensions: 110 mm x 50 mm x 19 mm

[https://www.brumberg.com/fileadmin/products/Datenblatt\\_17663000\\_2021\\_DE.pdf](https://www.brumberg.com/fileadmin/products/Datenblatt_17663000_2021_DE.pdf)

Article no.: 17663020

LED converter 350 mA, trailing-edge phase dimmable

Power: 2,8 - 7 W, Plug&amp;Play + Anschlussbox

Dimensions: 110 mm x 50 mm x 19 mm

[https://www.brumberg.com/fileadmin/products/Datenblatt\\_17663020\\_2021\\_DE.pdf](https://www.brumberg.com/fileadmin/products/Datenblatt_17663020_2021_DE.pdf)

Article no.: 17613000

LED converter 350 mA, on/off switchable

Power: 1 - 15 W, Plug&amp;Play

Dimensions: 115 mm x 34 mm x 19 mm

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Article no.: 17613020

LED converter 350 mA, on/off switchable

Power: 1 - 15 W, Plug&amp;Play + Anschlussbox

Dimensions: 115 mm x 34 mm x 19 mm

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Article no.: 17621000

LED converter 350 mA, on/off switchable

Power: 1 - 21 W, Plug&amp;Play

Dimensions: 128 mm x 50 mm x 13 mm

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Article no.: 17621020

LED converter 350 mA, on/off switchable

Power: 1 - 21 W, Plug&amp;Play + Anschlussbox

Dimensions: 128 mm x 50 mm x 13 mm

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Article no.: 17652000

LED-round converter 350 mA, trailing-edge phase dimmer

Power: 4,9 - 7 W, Plug&amp;Play

Dimensions: 51 mm x 24 mm

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Article no.: 17652020

LED-round converter 350 mA, trailing-edge phase dimmer

Power: 4,9 - 7 W, Plug&amp;Play + Anschlussbox

Dimensions: 51 mm x 24 mm

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**INDIWO68-R LED recessed spot**

Article no. 12293183

| Required accessories                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article no.: 17640000<br>LED converter 350 mA, trailing-edge phase dimmable<br>Power: 4,2 - 10 W, Plug&Play<br>Dimensions: 102 mm x 38 mm x 21 mm<br><a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17640000_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17640000_2021_DE.pdf</a>                 |
| Article no.: 17640020<br>LED converter 350 mA, trailing-edge phase dimmable<br>Power: 4,2 - 10 W, Plug&Play + Anschlussbox<br>Dimensions: 102 mm x 38 mm x 21 mm<br><a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17640020_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17640020_2021_DE.pdf</a>  |
| Article no.: 17648000<br>LED converter 350 mA, trailing-edge phase dimmable<br>Power: 0,7 - 17 W, Plug&Play<br>Dimensions: 166 mm x 46 mm x 34 mm<br><a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17648000_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17648000_2021_DE.pdf</a>                 |
| Article no.: 17648020<br>LED converter 350 mA, trailing-edge phase dimmable<br>Power: 0,7 - 17 W, Plug&Play + Anschlussbox<br>Dimensions: 166 mm x 46 mm x 34 mm<br><a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17648020_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17648020_2021_DE.pdf</a>  |
| Article no.: 17657000<br>LED converter 350 mA, 1-10 V dimmable (analog)<br>Power: 5,2 - 18 W, Plug&Play<br>Dimensions: 110 mm x 52 mm x 22 mm<br><a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17657000_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17657000_2021_DE.pdf</a>                     |
| Article no.: 17682000<br>LED converter 350 mA, DALI dimmable (digital)<br>Power: 1,8 - 18,5 W, Plug&Play<br>Dimensions: 146.5 mm x 43.5 mm x 22 mm<br><a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17682000_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17682000_2021_DE.pdf</a>                |
| Article no.: 17682020<br>LED converter 350 mA, DALI dimmable (digital)<br>Power: 1,8 - 18,5 W, Plug&Play + Anschlussbox<br>Dimensions: 146.5 mm x 43.5 mm x 22 mm<br><a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17682020_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17682020_2021_DE.pdf</a> |
| Article no.: 17683000<br>LED converter 350 mA, DALI dimmable (digital)<br>Power: 3,5 - 17 W, Plug&Play<br>Dimensions: 110.5 mm x 52 mm x 22 mm<br><a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17683000_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17683000_2021_DE.pdf</a>                    |
| Article no.: 17683020<br>LED converter 350 mA, DALI dimmable (digital)<br>Power: 3,5 - 17 W, Plug&Play + Anschlussbox<br>Dimensions: 110.5 mm x 52 mm x 22 mm<br><a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17683020_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17683020_2021_DE.pdf</a>     |
| Article no.: 17684000<br>LED converter 350 mA, DALI dimmable (digital)<br>Power: 2,8 - 7 W, Plug&Play<br>Dimensions: 130 mm x 42 mm x 22 mm<br><a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17684000_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17684000_2021_DE.pdf</a>                       |


**INDIWO68-R LED recessed spot**

Article no. 12293183

**Required accessories**

Article no.: 17684020

LED converter 350 mA, DALI dimmable (digital)

Power: 2,8 - 7 W, Plug&amp;Play + Anschlussbox

Dimensions: 130 mm x 42 mm x 22 mm

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Article no.: 17658000

LED round converter 350 mA, DALI dimmable (digital)

Power: 2,1 - 9 W, Plug&amp;Play

Dimensions: 56 mm x 25 mm

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Article no.: 17658020

LED round converter 350 mA, DALI dimmable (digital)

Power: 2,1 - 9 W, Plug&amp;Play + Anschlussbox

Dimensions: 56 mm x 25 mm

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Article no.: 17671000

LED converter 350mA, ZigBee dimmable

Power: 3,5 - 18,5 W, Plug&amp;Play

Dimensions: 146.5 mm x 44 mm x 30 mm

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Article no.: 17671020

LED converter 350mA, ZigBee dimmable

Power: 3,5 - 18,5 W, Plug&amp;Play + Anschlussbox

Dimensions: 146.5 mm x 44 mm x 30 mm

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Article no.: 17672000

LED converter 350mA, Casambi dimmable

Power: 3,5 - 18,5 W, Plug&amp;Play

Dimensions: 146.5 mm x 44 mm x 30 mm

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Article no.: 17672020

LED converter 350mA, Casambi dimmable

Power: 3,5 - 18,5 W, Plug&amp;Play + Anschlussbox

Dimensions: 146.5 mm x 44 mm x 30 mm

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**Optional accessories**

Article no.: 81201180

Reducing ring D 110 mm, for luminaire cut-out size 68 mm

Dimensions: 110 mm

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Article no.: 81202180

Reducing ring D 130 mm, for luminaire cut-out size 68 mm

Dimensions: 130 mm

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Article no.: 81203180

Reducing ring D 145 mm, for luminaire cut-out size 68 mm

Dimensions: 145 mm

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