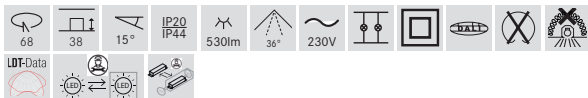
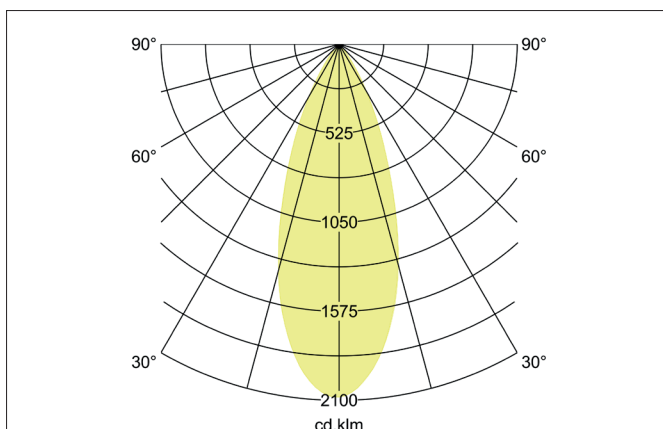
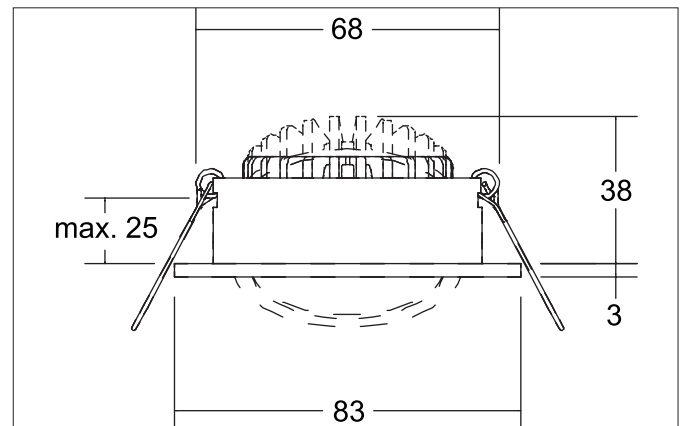



**ABACO-R LED recessed spotlight set, DALI dimmable, dim2warm, IP44**

Article no. 41413183DW


**Tender**

LED recessed spotlight set, DALI dimmable, dim2warm, IP44, Round. Toolless ceiling installation by installation springs. Ceiling cut-out Ø 68 mm, Installation depth 38 mm, Outer diameter 83 mm, Weight 0,18 kg, Reflector silver with rotationssymmetrical, deep, wide distributed light intensity. Cover plastic, transparent. Luminous flux 530 lm, Power 1 x 8 W, Light colour warm white to warm white, Correlated color temperature (CCT) 3.000 K - 1.800 K, Colour rendering index CRI > 90, Rated life time L80/B50 at 25 °C: 50.000 h, Housing material: Aluminium / PMMA, Colour: black structure, Permissible ambient temperature (ta): -20 °C up to +25 °C, Protection class (EN 61140): II, Degree of protection (DIN EN 60529): IP44. With electronic driver, DALI-2 dimmable.

**Product Benefits**

- Protection class IP44 for the application location normal area to damp indoor area
- Standard ceiling cut-out 68 mm - low installation depth 38 mm
- Dimmable via DALI as standard (supplied as a set)
- Dim2warm version


**ABACO-R LED recessed spotlight set, DALI dimmable, dim2warm, IP44**

Article no. 41413183DW

| Article data           |                                                           |
|------------------------|-----------------------------------------------------------|
| Article no.            | 41413183DW                                                |
| GTIN                   | 4255752500155                                             |
| Series name            | ABACO-R                                                   |
| Short description      | LED recessed spotlight set, DALI dimmable, dim2warm, IP44 |
| Material               | Aluminium / PMMA                                          |
| Colour                 | black structure                                           |
| Type of surface        | Structure                                                 |
| Shape                  | Round                                                     |
| Outer diameter         | 83 mm                                                     |
| Built-in diameter min. | 67 mm                                                     |
| Built-in diameter max. | 68 mm                                                     |
| Installation depth     | 38 mm                                                     |
| Hight                  | 3 mm                                                      |
| Scope of delivery      | incl. connection box, 5-pole for through-wiring           |
| Weight                 | 0.18 kg                                                   |
| D licence plate        | No                                                        |
| Conformance            | CE, UKCA                                                  |

| Lighting technology          |                   |
|------------------------------|-------------------|
| Colour temperature           | 3.000 K - 1.800 K |
| Light colour                 | white             |
| Color Temperature 1          | 3,000 K           |
| Light output                 | Direct            |
| Luminous flux                | 530 lm            |
| Luminous flux 1              | 530 lm            |
| System efficiency            | 66 lm/W           |
| Colour rendering             | CRI > 90          |
| Reflector                    | Faceted           |
| Reflector colour             | silver            |
| Beam angle                   | 36°               |
| Light sharing                | Symmetric         |
| Adjustable color temperature | Infinite control  |

| Operating technology of the luminaire |                                                                                                                                                          |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| System output                         | 8 W                                                                                                                                                      |
| Voltage type                          | AC                                                                                                                                                       |
| AC nominal voltage max                | 230 V                                                                                                                                                    |
| Frequency max                         | 50 Hz                                                                                                                                                    |
| Lamp                                  | LED                                                                                                                                                      |
| Protection class                      | II                                                                                                                                                       |
| Protection class on the ceiling side  | IP20                                                                                                                                                     |
| Degree of protection                  | IP44                                                                                                                                                     |
| Dimmable                              | Yes                                                                                                                                                      |
| Control                               | DALI-2                                                                                                                                                   |
| 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/B50 at 25 °C      | 50.000 h                                                                                                                                                 |
| Energy efficiency class               | not required                                                                                                                                             |


**ABACO-R LED recessed spotlight set, DALI dimmable, dim2warm, IP44**

Article no. 41413183DW

| Mounting technology         |                                           |
|-----------------------------|-------------------------------------------|
| Mounting method             | Recessed mounting                         |
| Place of installation       | Ceiling-mounted                           |
| Adjustability               | Pivoted                                   |
| Swivel angle                | 15°                                       |
| Max. ceiling thickness      | 25 mm                                     |
| Further references          | No cover with thermal insulation material |
| Material cover              | Plastic, transparent                      |
| Circlip                     | Without circlip                           |
| Suitable for through-wiring | Yes                                       |

| Packing data            |                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gross weight            | 0.24 kg                                                                                                                                                                                                                                                                                                                                                                        |
| Length of packaging     | 105 mm                                                                                                                                                                                                                                                                                                                                                                         |
| Packaging width         | 105 mm                                                                                                                                                                                                                                                                                                                                                                         |
| Packaging height        | 90 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> |

| Optional accessories                                                                                                                                                                        |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Article no.: 81201180<br>Reducing ring D 110 mm, for luminaire cut-out size 68 mm                                                                                                           |  |
| Dimensions: 110 mm<br><a href="https://www.brumberg.com/fileadmin/products/Datenblatt_81201180_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_81201180_2021_DE.pdf</a> |  |
| Article no.: 81202180<br>Reducing ring D 130 mm, for luminaire cut-out size 68 mm                                                                                                           |  |
| Dimensions: 130 mm<br><a href="https://www.brumberg.com/fileadmin/products/Datenblatt_81202180_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_81202180_2021_DE.pdf</a> |  |
| Article no.: 81203180<br>Reducing ring D 145 mm, for luminaire cut-out size 68 mm                                                                                                           |  |
| Dimensions: 145 mm<br><a href="https://www.brumberg.com/fileadmin/products/Datenblatt_81203180_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_81203180_2021_DE.pdf</a> |  |
| Article no.: 5327<br>Leaf spring set (2 pieces)                                                                                                                                             |  |
| <a href="https://www.brumberg.com/fileadmin/products/Datenblatt_00532700_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_00532700_2021_DE.pdf</a>                       |  |