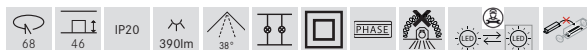
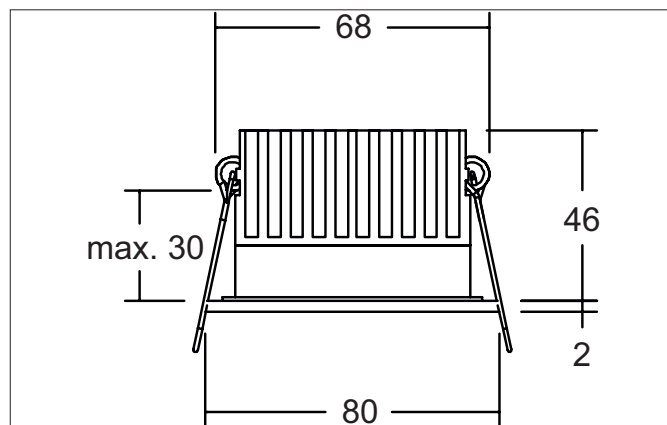




**ODEMAR LED recessed downlight, integrated converter (DOB),  
trailing edge dimmable, dim2warm, with connection box**  
Article no. 12650173DW



#### Tender

LED recessed downlight, integrated converter (DOB), trailing edge dimmable, dim2warm, with connection box, Round. Toolless ceiling installation by installation springs. Ceiling cut-out Ø 68 mm, Installation depth 46 mm, Outer diameter 80 mm, Weight 0,156 kg, Reflector silver with rotationssymmetrical, deep, wide distributed light intensity. Cover polycarbonat clear Luminous flux 390 lm, Power 1 x 6 W, Light colour warm white, Correlated color temprature (CCT) 3.000 K, Colour rendering index CRI > 90, Rated life time L70/B50 at 25 °C: 50.000 h, Housing material: Aluminium / Polycarbonate, Colour: white structure, Permissible ambient temperature (ta): -20 °C up to +25 °C, Protection class (EN 61140): II, Degree of protection (DIN EN 60529): IP20. With electronic driver, Trailing-edge phase dimmable.

#### Product Benefits

- Round recessed downlight made of solid aluminum with polycarbonate cover.
- Simple and tool-free installation.
- CRI > 90.
- Low installation depth 46 mm, diameter 80 mm, Ceiling cut-out 68 mm.
- Maximum ceiling thickness 30 mm.
- Two surface finishes available.
- With integrated converter (DOB) for connection to 230 V mains voltage.
- Supplied with connection box for quick connection.
- dim2warm version (3,000 K - 1,800 K): if the luminaire is dimmed dimmed, the color temperature is reduced.
- Phase section dimmable.
- Also available in static 3,000 K version.



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| Article data           |                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------|
| Article no.            | 12650173DW                                                                                                |
| GTIN                   | 4255752519706                                                                                             |
| Series name            | ODEMAR                                                                                                    |
| Short description      | LED recessed downlight, integrated converter (DOB), trailing edge dimmable, dim2warm, with connection box |
| Material               | Aluminium / Polycarbonate                                                                                 |
| Colour                 | white 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     | 46 mm                                                                                                     |
| Hight                  | 2 mm                                                                                                      |
| Scope of delivery      | inkl. Anschlussbox zur Durchgangsverdrahtung, 3-polig                                                     |
| Weight                 | 0.156 kg                                                                                                  |
| D licence plate        | No                                                                                                        |
| Conformance            | CE, UKCA                                                                                                  |

| Lighting technology          |                   |
|------------------------------|-------------------|
| Colour temperature           | 3.000 K - 1.800 K |
| Light colour                 | white             |
| Light output                 | Direct            |
| Luminous flux                | 390 lm            |
| System efficiency            | 65 lm/W           |
| Colour rendering             | CRI > 90          |
| Reflector                    | Faceted           |
| Reflector colour             | silver            |
| Beam angle                   | 38°               |
| Light sharing                | Symmetric         |
| Adjustable color temperature | No                |

| Operating technology of the luminaire |                                                                                                                                                          |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Voltage type                          | AC                                                                                                                                                       |
| AC nominal voltage min                | 230 V                                                                                                                                                    |
| AC nominal voltage max                | 230 V                                                                                                                                                    |
| Frequency max                         | 50 Hz                                                                                                                                                    |
| Frequency min                         | 50 Hz                                                                                                                                                    |
| Lamp                                  | LED                                                                                                                                                      |
| Lamp holder                           | LED                                                                                                                                                      |
| Protection class                      | II                                                                                                                                                       |
| Degree of protection                  | IP20                                                                                                                                                     |
| Dimmable                              | Yes                                                                                                                                                      |
| Control                               | Trailing-edge phase                                                                                                                                      |
| 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 L70/B50 at 25 °C      | 50,000 h                                                                                                                                                 |
| Energy efficiency class               | not required                                                                                                                                             |

| Mounting technology         |                                           |
|-----------------------------|-------------------------------------------|
| Mounting method             | Recessed mounting                         |
| Place of installation       | Ceiling-mounted                           |
| Adjustability               | Not adjustable                            |
| Max. ceiling thickness      | 30 mm                                     |
| Further references          | No cover with thermal insulation material |
| Material cover              | Polycarbonat clear                        |
| Suitable for through-wiring | Yes                                       |



**ODEMAR LED recessed downlight, integrated converter (DOB),  
trailing edge dimmable, dim2warm, with connection box**  
 Article no. 12650173DW

| Packing data            |                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gross weight            | 0.206 kg                                                                                                                                                                                                                                                                                                                                                                       |
| Length of packaging     | 95 mm                                                                                                                                                                                                                                                                                                                                                                          |
| Packaging width         | 90 mm                                                                                                                                                                                                                                                                                                                                                                          |
| Packaging height        | 75 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.: 81201170<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_81201170_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_81201170_2021_DE.pdf</a> |  |
| Article no.: 81202170<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_81202170_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_81202170_2021_DE.pdf</a> |  |
| Article no.: 81203170<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_81203170_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_81203170_2021_DE.pdf</a> |  |