



## Product Data Sheet

LED zapuštěné světlo R44

# Led recessed light R44-28-3090-24-WH



Order number

**253463025**

Unit EAN13 code

**8595209961914**

### General information

|   |   |
|---|---|
| Model/Description                           | <b>LED svítidlo</b>                         |
| Finish                                      | <b>Vestavné</b>                             |
| Brand/Manufacturer                          | <b>GRACION</b>                              |
| Nominal service life (h)                    | <b>50000 h</b>                              |
| Degree of protection (IP)                   | <b>IP20</b>                                 |
| Dimmable                                    | <b>Ne</b>                                   |
| Built-in depth                              | <b>120 mm</b>                               |
| Lamp type                                   | <b>LED</b>                                  |
| Type of luminaire                           | <b>Ostatní</b>                              |
| Electrical connection with connector system | <b>Ano</b>                                  |
| Nominal voltage (V)                         | <b>220 - 240 V</b>                          |
| Degree of protection (IP)                   | <b>IP20</b>                                 |
| Suitable for number of lamps                | <b>1</b>                                    |
| Suitable for built-in mounting              | <b>Ano</b>                                  |
| Suitable for ceiling mounting               | <b>Ano</b>                                  |
| Dimmable by conventional dimmers            | <b>Ne</b>                                   |
| Název položky                               | <b>Led recessed light R44-28-3090-24-WH</b> |

### Electrical characteristics

|  |                    |
|--|--------------------|
| Nominal wattage                        | <b>28 W</b>        |
| Rated power (W)                        | <b>28 W</b>        |
| Operating voltage (V)                  | <b>100 - 240 V</b> |
| Type of Voltage                        | <b>AC</b>          |
| Lowest permitted operating voltage (V) | <b>220 V</b>       |
| Lamp power                             | <b>28 W</b>        |

|                                       |                       |
|---------------------------------------|-----------------------|
| Voltage type                          | AC                    |
| System power                          | 28 W                  |
| <b>Working conditions</b>             |                       |
| Integrated driver                     | Ne                    |
| Light source is part of the fixture   | Ano                   |
| Maximum permitted storage temperature | 80 °C                 |
| Burning position                      | Vertikální            |
| Application                           | Všeobecné osvětlování |
| Type of control gear                  | LED driver CC         |
| Suitable for frequent switching       | Ano                   |
| Ambient temperature                   | -20/+40 °C            |
| Fire resistance "F"                   | Ano                   |
| Fit for monitor workplace             | Ano                   |
| Driver included                       | Ano                   |

#### Physical characteristics

|                   |                    |
|-------------------|--------------------|
| Dimensions (mm)   | 160 x 160 x 139 mm |
| Packing method    | 1                  |
| Width             | 160 mm             |
| Reflector         | Matný              |
| Colour housing    | Bílá               |
| Built-in width    | 150 mm             |
| Length            | 160 mm             |
| Height/depth (mm) | 96 mm              |
| Material housing  | Aluminium          |
| Built-in length   | 150 mm             |
| Type of surface   | Matný              |
| Number of LEDs    | 1                  |
| Swivelling model  | Ano                |
| Adjustability     | Otočné a výklopné  |

#### EuP Parameters

|  |              |
|--|--------------|
| Average Lifetime B50 (h)                               | 50000 h      |
| Luminescence Life maintenance factor                   | 80 %         |
| Factor of functional reliability (LSF) after nom. life | 50 %         |
| Number of maximal switching cycles                     | >250000      |
| The rate of premature failures                         | <1 %         |
| Colour difference                                      | 90 %         |
| Rated service life                                     | 50000 h      |
| Energy consumption (AGGR)                              | 28 kWh/1000h |
| Turn-on time   | <0,2 s       |

#### Additional information

|           |     |
|-----------|-----|
| With lamp | Ano |
|-----------|-----|

#### Lighting characteristics

|                                    |                     |
|------------------------------------|---------------------|
| Light Colour                       | teplá bílá          |
| Wavelength range                   | 400 - 800 nm        |
| Luminous flux                      | 2750 lm             |
| Colour temperature                 | 3000 K              |
| Radiation angle                    | 24 °                |
| Colour rendering index CRI         | 90 Ra               |
| Colour of light                    | 930                 |
| Anti-glare limiting UGR lengthwise | 19                  |
| Anti-glare limiting UGR crosswise  | 19                  |
| Light outlet                       | Přímé               |
| Light sharing                      | Symetrické          |
| Radiation angle                    | Střední úhel 21-40° |
| Colour temperature                 | 3000 - 3200 K       |
| Effective luminous flux            | 2750 lm             |
| Beam angle Degrees (°)             | 24 °                |

#### Safety information

|                     |  |
|---------------------|--|
| Insulation class    | Třída II                                   |
| Safety instructions | <a href="http://www.nbb.cz">www.nbb.cz</a> |
| Protection class    | Dvojitou izolací                           |

#### Energetic characteristics

|                             |         |
|-----------------------------|---------|
| Lamp Power factor (PF)      | 0,99    |
| Rated efficiency after 100h | 99,99 % |
| Lamp efficacy               | 98 lm/W |

#### Popis

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