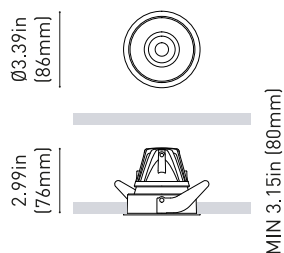




## DIMENSIONS



|                  |                                         |
|------------------|-----------------------------------------|
| <b>Name</b>      | BUDDY UL MEDIUM 3500K W                 |
| <b>Reference</b> | U5070023W                               |
| <b>Color</b>     | Matt white                              |
| <b>RAL</b>       | Colour in the mass looks alike RAL 9010 |
| <b>Category</b>  | CEILING RECESSED                        |

## PRODUCT

|                                    |                                        |
|------------------------------------|----------------------------------------|
| <b>Mounting Accessory / Driver</b> | Mandatory, not included. See next page |
| <b>Model</b>                       | REMOTE BOX 1.25-4.5W 125mA             |
| <b>Reference</b>                   | U1000139                               |

## MOUNTING ACCESSORY / DRIVER

|                              |                |
|------------------------------|----------------|
| <b>Type</b>                  | LED            |
| <b>Gross luminous flux</b>   | 735 Lm         |
| <b>Color temperature</b>     | 3500 K         |
| <b>Chromatic stability</b>   | MacAdam Step 2 |
| <b>Color Rendering Index</b> | CRI>90         |
| <b>Power</b>                 | 4 W            |
| <b>Current</b>               | 125 mA         |
| <b>Efficacy</b>              | 184 Lm/W       |
| <b>LED lifespan</b>          | L80B10>66.000h |

## LIGHT SOURCE

|                                |        |
|--------------------------------|--------|
| <b>Lighting efficiency</b>     | 86%    |
| <b>Delivered luminous flux</b> | 632 Lm |
| <b>Light beam angle</b>        | 43°    |

## LIGHTING FIXTURE | PHOTOMETRIC DATA

|                                   |           |
|-----------------------------------|-----------|
| <b>Power values of the system</b> | 5.4 W     |
| <b>Voltage</b>                    | 120-277 V |
| <b>Frequency</b>                  | 50/60 Hz  |
| <b>Dimming</b>                    | 0-10V     |

## LIGHTING FIXTURE | ELECTRICAL DATA

|                               |      |
|-------------------------------|------|
| <b>IC Rated</b>               | Yes  |
| <b>Environmental location</b> | DAMP |

## OTHER DATA

The sophistication of recessed lighting. Buddy is here to maximise the luminous performance of the classic recessed luminaire. It emerges with a solid and purposeful design, greater energy savings and excellent visual comfort. The product family comes in several versions with four opening angles -flood, medium, spot and super spot-. The dim to warm technology enables Buddy to facilitate comfort to the space by dimming the intensity and colour temperature. Furthermore, with the tunable White feature it can be controlled independently. Its four versions per position demonstrate its versatility: recessed, trimless, tilt and the tilt trimless version, which maintains its light output at all opening angles.

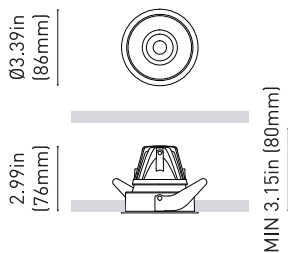


|                      |                                                     |
|----------------------|-----------------------------------------------------|
| Recess measurements  | Ø3.11 in   Ø79 mm                                   |
| Weight               | 0.386 lb   175 gr                                   |
| Packaged weight      | 0.542 lb   246 gr                                   |
| Packaging dimensions | 5.47 x 4.13 x 3.54 in   139 x 105 x 90 mm           |
| Materials            | Aluminium / Polycarbonate / Polymethyl Methacrylate |

OTHER DATA

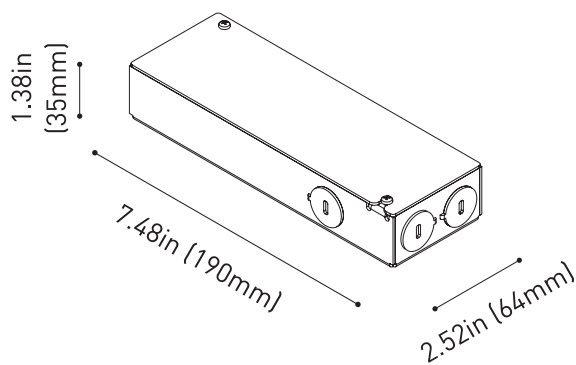


DIMENSIONS



The sophistication of recessed lighting. Buddy is here to maximise the luminous performance of the classic recessed luminaire. It emerges with a solid and purposeful design, greater energy savings and excellent visual comfort. The product family comes in several versions with four opening angles -flood, medium, spot and super spot-. The dim to warm technology enables Buddy to facilitate comfort to the space by dimming the intensity and colour temperature. Furthermore, with the tunable White feature it can be controlled independently. Its four versions per position demonstrate its versatility: recessed, trimless, tilt and the tilt trimless version, which maintains its light output at all opening angles.

Mandatory / Not Included



| PRODUCT               |                                           |
|-----------------------|-------------------------------------------|
| Model                 | REMOTE BOX 1.25-4.5W 125mA                |
| Driver                | Included                                  |
| Reference             | U1000139                                  |
| IC Rated              | Yes                                       |
| Dimming               | 0-10V                                     |
| Size                  | 7.48 x 2.52 x 1.38 in   190 x 64 x 35 mm  |
| Weight                | 1.21 lb   550 gr                          |
| Packaged weight       | 1.46 lb   665 gr                          |
| Packaging dimensions  | 11.26 x 2.91 x 1.77 in   286 x 74 x 45 mm |
| Nº Luminares          | 1                                         |
| LED - Driver Distance | Maximum suggested distance is 24 feet     |

| INPUT CHARACTERISTICS |           |
|-----------------------|-----------|
| Input Voltage         | 120-277 V |
| Frequency             | 50/60 Hz  |

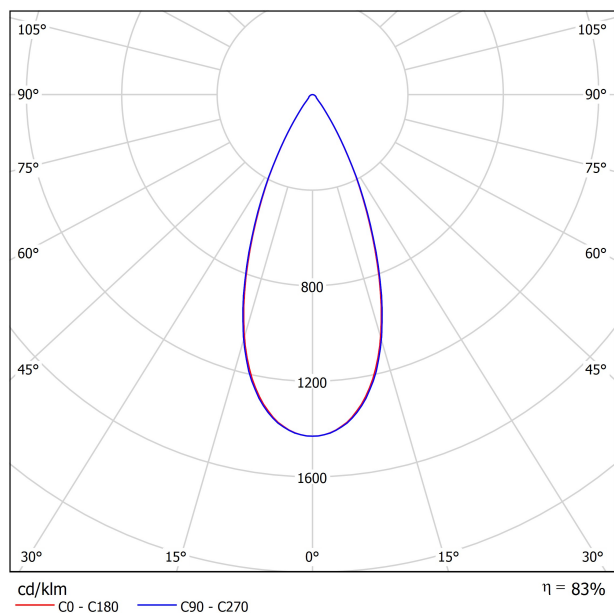
| OUTPUT CHARACTERISTICS |              |
|------------------------|--------------|
| Output Voltage         | 10 - 40 V    |
| Output Current         | 125 mA       |
| Output Power           | 1.25 - 4.5 W |



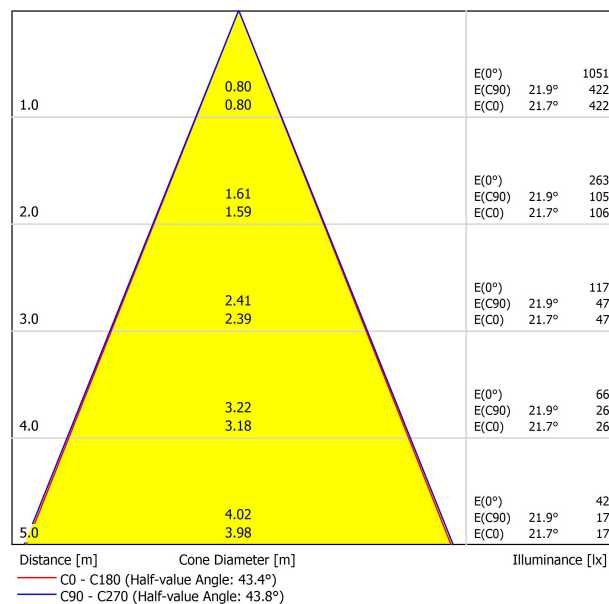


SERIAL CONNECTION FOR SEVERAL FIXTURES TO A SINGLE CONSTANT CURRENT DRIVER  
RESPECT THE DISTANCE LED - DRIVER

POLAR DIAGRAM



CONICAL DIAGRAM



UGR

| Glare Evaluation According to UGR                                |     |                                                   |      |      |      |      |                                            |      |      |      |      |      |
|------------------------------------------------------------------|-----|---------------------------------------------------|------|------|------|------|--------------------------------------------|------|------|------|------|------|
| $\rho$ Ceiling                                                   |     | 70                                                | 70   | 50   | 50   | 30   | 70                                         | 70   | 50   | 50   | 30   | 30   |
| $\rho$ Walls                                                     |     | 50                                                | 30   | 50   | 30   | 30   | 50                                         | 30   | 50   | 30   | 30   | 30   |
| $\rho$ Floor                                                     |     | 20                                                | 20   | 20   | 20   | 20   | 20                                         | 20   | 20   | 20   | 20   | 20   |
| Room Size<br>X                  Y                                |     | Viewing direction at right angles<br>to lamp axis |      |      |      |      | Viewing direction parallel<br>to lamp axis |      |      |      |      |      |
| 2H                                                               | 2H  | 11.8                                              | 12.5 | 12.0 | 12.7 | 12.9 | 11.8                                       | 12.5 | 12.0 | 12.7 | 12.9 | 12.9 |
|                                                                  | 3H  | 13.4                                              | 14.1 | 13.7 | 14.3 | 14.6 | 13.5                                       | 14.1 | 13.7 | 14.3 | 14.6 | 14.6 |
|                                                                  | 4H  | 14.1                                              | 14.7 | 14.4 | 14.9 | 15.2 | 14.1                                       | 14.7 | 14.4 | 14.9 | 15.2 | 15.2 |
|                                                                  | 6H  | 14.5                                              | 15.1 | 14.8 | 15.4 | 15.7 | 14.5                                       | 15.1 | 14.9 | 15.4 | 15.7 | 15.7 |
|                                                                  | 8H  | 14.7                                              | 15.2 | 15.0 | 15.5 | 15.8 | 14.7                                       | 15.3 | 15.0 | 15.5 | 15.8 | 15.8 |
| 4H                                                               | 12H | 14.8                                              | 15.3 | 15.1 | 15.6 | 15.9 | 14.8                                       | 15.3 | 15.2 | 15.6 | 16.0 | 16.0 |
|                                                                  | 2H  | 12.3                                              | 13.0 | 12.7 | 13.2 | 13.5 | 12.4                                       | 13.0 | 12.7 | 13.2 | 13.5 | 13.5 |
|                                                                  | 3H  | 14.2                                              | 14.7 | 14.6 | 15.0 | 15.4 | 14.2                                       | 14.7 | 14.6 | 15.1 | 15.4 | 15.4 |
|                                                                  | 4H  | 15.0                                              | 15.4 | 15.3 | 15.8 | 16.1 | 15.0                                       | 15.4 | 15.4 | 15.8 | 16.1 | 16.1 |
|                                                                  | 6H  | 15.6                                              | 15.9 | 16.0 | 16.3 | 16.7 | 15.6                                       | 16.0 | 16.0 | 16.3 | 16.7 | 16.7 |
| 8H                                                               | 8H  | 15.8                                              | 16.1 | 16.2 | 16.5 | 16.9 | 15.8                                       | 16.1 | 16.2 | 16.5 | 16.9 | 16.9 |
|                                                                  | 12H | 15.9                                              | 16.2 | 16.3 | 16.6 | 17.0 | 15.9                                       | 16.2 | 16.4 | 16.6 | 17.1 | 17.1 |
|                                                                  | 4H  | 15.2                                              | 15.6 | 15.7 | 16.0 | 16.4 | 15.3                                       | 15.6 | 15.7 | 16.0 | 16.4 | 16.4 |
|                                                                  | 6H  | 16.0                                              | 16.2 | 16.4 | 16.6 | 17.1 | 16.0                                       | 16.2 | 16.4 | 16.7 | 17.1 | 17.1 |
|                                                                  | 8H  | 16.2                                              | 16.5 | 16.7 | 16.9 | 17.4 | 16.3                                       | 16.5 | 16.7 | 16.9 | 17.4 | 17.4 |
| 12H                                                              | 12H | 16.5                                              | 16.6 | 16.9 | 17.1 | 17.6 | 16.5                                       | 16.7 | 17.0 | 17.1 | 17.6 | 17.6 |
|                                                                  | 4H  | 15.3                                              | 15.6 | 15.7 | 16.0 | 16.4 | 15.3                                       | 15.6 | 15.7 | 16.0 | 16.4 | 16.4 |
|                                                                  | 6H  | 16.0                                              | 16.2 | 16.5 | 16.7 | 17.1 | 16.0                                       | 16.2 | 16.5 | 16.7 | 17.2 | 17.2 |
|                                                                  | 8H  | 16.3                                              | 16.5 | 16.8 | 17.0 | 17.5 | 16.4                                       | 16.5 | 16.8 | 17.0 | 17.5 | 17.5 |
| Variation of the observer position for the luminaire distances S |     |                                                   |      |      |      |      |                                            |      |      |      |      |      |
| S = 1.0H                                                         |     | +2.2 / -1.0                                       |      |      |      |      | +2.3 / -1.0                                |      |      |      |      |      |
| S = 1.5H                                                         |     | +4.2 / -1.2                                       |      |      |      |      | +4.2 / -1.2                                |      |      |      |      |      |
| S = 2.0H                                                         |     | +5.8 / -1.6                                       |      |      |      |      | +5.9 / -1.6                                |      |      |      |      |      |
| Standard table                                                   |     | BK03                                              |      |      |      |      | BK03                                       |      |      |      |      |      |
| Correction Summand                                               |     | -0.4                                              |      |      |      |      | -0.4                                       |      |      |      |      |      |
| Corrected Glare Indices referring to 735lm Total Luminous Flux   |     |                                                   |      |      |      |      |                                            |      |      |      |      |      |