

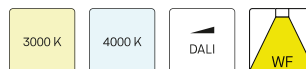
# VTRL 13.0527.25



## Description

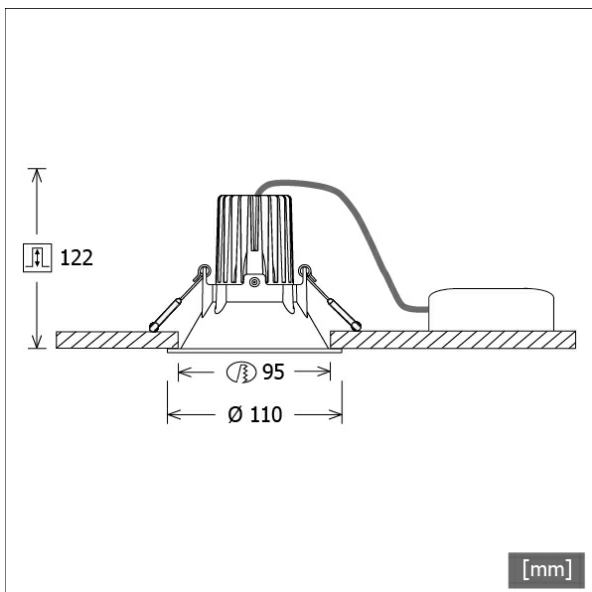
- recessed spotlight with round recessed funnel
- reflector lens pivots through 20°
- outstanding ease of maintenance
- no UV and thermal emissions
- innovative thermal management with passive cooling
- recessed funnel and heat sink made from die-cast aluminium
- high-tech reflector lens made from PMMA for high luminous efficiency and glare-free lighting
- tool-free ceiling mounting via quick-action clamping springs (automatic adjustment of the ceiling thickness)
- luminaire and ballast permanently connected via cable (length: 500 mm), ballast ready for mains connection
- ballast (LED converter) included (external placement)

## Standard options



| Colours | Article no. | EAN           |
|---------|-------------|---------------|
| white   | 641873      | 4043544462022 |

## Special options



## Lighting data / Norms

|                         |   |
|-------------------------|---|
| Lamps                   | LED Spot / CRI 80 / 2700 K                                |
| EPREL light sources     | 871010  |
| Lifetime                | L90 B50 50.000 h<br>L80 B50 100.000 h<br>L80 B20 50.000 h |
| System power            | 12.0 W  |
| Luminaire luminous flux | 1040 lm   |
| System efficiency       | 86.66 lm/W  |
| Module efficiency       | 120.72 lm/W   |
| UGR class               | ≤19   |
| Beam range              | Medium Flood  |
| Beam angle              | 26°   |
| Supply voltage          | 220 - 240 V / 50 - 60 Hz                                  |
| Protection class        | II  |
| Type of protection      | IP40  |

## Dimensions / Weights

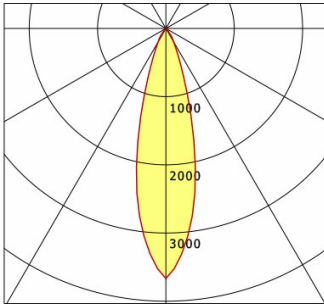
|                        |                |
|------------------------|----------------|
| Outer diameter         | 110 mm         |
| Height                 | 108 mm         |
| Cut-out (Ø)            | 95 mm          |
| Ceiling thickness      | 10.0 - 15.0 mm |
| Recessed depth         | 122 mm         |
| Diameter of light head | 50 mm          |
| Net weight             | 0.55 kg        |
| Gross weight           | 0.58 kg        |



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Vale-Tu Round Large (1xLED 12W 827/2700K 1040lm)

C0/C180 cd / 1000 lm



|              | C0   | C90  | C180 | C270 |
|--------------|------|------|------|------|
| 0°           | 3667 | 3667 | 3667 | 3667 |
| 15°          | 1509 | 1509 | 1509 | 1509 |
| 30°          | 227  | 227  | 227  | 227  |
| 45°          | 27   | 27   | 27   | 27   |
| 60°          | 6    | 6    | 6    | 6    |
| 75°          | 0    | 0    | 0    | 0    |
| 90°          | 0    | 0    | 0    | 0    |
| cd / 1000 lm |      |      |      |      |

Offset [m] Cone width [m] Illuminance [lx]

| Offset [m] | Cone width [m] | Illuminance [lx] |
|------------|----------------|------------------|
| 3.0        | 1.42           | 423.7            |
| 6.0        | 2.83           | 105.9            |
| 9.0        | 4.25           | 47.1             |
| 12.0       | 5.66           | 26.5             |
| 15.0       | 7.08           | 16.9             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 87 lm/W            |
| Direct/Indirect    | ↓ 100% / ↑ 0%      |
| System Power       | 12 W               |
| <b>UGR</b>         | X=4H, Y=8H         |
| Reflection factors | 70/50/20           |
| UGR C0/C180        | 17.5               |
| UGR C90/C270       | 17.5               |
| CIE Flux Codes     | 97 100 100 100 100 |
| Ra/CRI             | >80                |

LTS