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**5 Year Warranty**  
 As a globally leading luminaire manufacturer, Thorn Lighting provides a five-year warranty for its complete product range within all European Countries. [www.thornlighting.com/warranty](http://www.thornlighting.com/warranty)  
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# THORN

Replaces 1x35W &  
1x50W Halogen

Up to 90%  
Energy saving

## Cetus Mini Downlight



**Fast. Simple. Affordable.**

## Thorn Contractor Range

**Fast. Simple. Affordable.**

We offer products with outstanding quality, easy installation and competitive prices. All of this is provided to you in close cooperation with your local wholesaler.

**Save time. Save money. Save energy.**

With our comprehensive portfolio you can realise smaller and larger projects in a fast, cost-effective and energy-efficient manner. According to project requirements, solutions with conventional technology as well as high performance LED luminaires can be realised - depending on your budget.



For more product information, **download our free Thorn Lighting Contractor app**

Suitable for mobile and tablet.



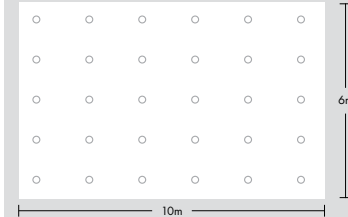
## Sample Layouts

**Corridor** - 21m x 2m x 2.8m - 12 luminaires



|                    |                                 |
|--------------------|---------------------------------|
| Mounting height    | 2.8m                            |
| Work plane         | Floor                           |
| Maintenance factor | 0.80                            |
| Reflectances       | Ceiling: 70%                    |
|                    | Wall: 50%                       |
|                    | Floor: 20%                      |
| Luminaire          | CETUS MINI LED 550-840 IP20 CHR |
| Lamp               | LED                             |
| Lumens             | 550lm                           |
| Lux                | 100lx                           |

**Reception Area** - 10m x 6m x 3m - 30 luminaires



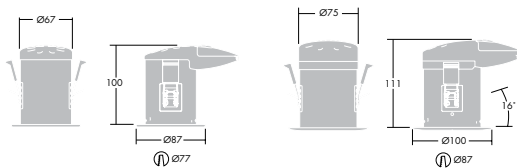
|                    |                                 |
|--------------------|---------------------------------|
| Mounting height    | 3.0m                            |
| Work plane         | 0.75m                           |
| Maintenance factor | 0.80                            |
| Reflectances       | Ceiling: 70%                    |
|                    | Wall: 50%                       |
|                    | Floor: 20%                      |
| Luminaire          | CETUS MINI LED 550-840 IP20 CHR |
| Lamp               | LED                             |
| Lumens             | 550lm                           |
| Lux                | 200lx                           |

## Ordering Guide

| Description  | Weight (kg) | SAP Code | Cat. No.  |
|--|-------------|----------|-----------|
| <b>Fire rated dimmable fixed downlight IP65</b>      |             |          |           |
| CETUS MINI FH LED550-840 IP65 WH                     | 0.5         | 96272518 | CMP550W4K |
| CETUS MINI FH LED550-830 IP65 WH                     | 0.5         | 96272519 | CMP550W3K |
| CETUS MINI FH LED550-840 IP65 CHR                    | 0.5         | 96272522 | CMP550C4K |
| CETUS MINI FH LED550-830 IP65 CHR                    | 0.5         | 96272523 | CMP550C3K |
| <b>Fire rated dimmable fixed downlight IP20</b>      |             |          |           |
| CETUS MINI FH LED550-840 IP20 WH                     | 0.5         | 96272526 | CMF550W4K |
| CETUS MINI FH LED550-830 IP20 WH                     | 0.5         | 96272527 | CMF550W3K |
| CETUS MINI FH LED550-840 IP20 CHR                    | 0.5         | 96272528 | CMF550C4K |
| CETUS MINI FH LED550-830 IP20 CHR                    | 0.5         | 96272529 | CMF550C3K |
| <b>Fire rated dimmable adjustable downlight IP20</b> |             |          |           |
| CETUS MINI FH LED550-840 AJ IP20 WH                  | 0.6         | 96272520 | CMA550W4K |
| CETUS MINI FH LED550-830 AJ IP20 WH                  | 0.6         | 96272521 | CMA550W3K |
| CETUS MINI FH LED550-840 AJ IP20 CHR                 | 0.6         | 96272524 | CMA550C4K |
| CETUS MINI FH LED550-830 AJ IP20 CHR                 | 0.6         | 96272525 | CMA550C3K |

FH Fire hood  
 AJ Adjustable  
 WH White  
 CHR Chrome

## Product Dimensions



Fire rated fixed

Fire rated adjustable

**Highly efficient and economical downlight range with 30, 60 & 90 minute fire rating**



### Performance

- 550Lm LED downlight range
- Only 6W total load with up to 90% energy savings compared to traditional downlights
- Highly efficient with 95Lm/W
- 30, 60 and 90 minute fire rated variants
- 40 000 hours rated life, equivalent to 11 years at 10 hours per day operation
- Choice of 3000K warm white or 4000K cool white to suit application use



### Construction

- White steel body with choice of white or chrome bezel
- IP20 and IP65 (suitable for bathroom applications)
- Integrated phase-cut dimmable LED driver

### Installation

- Flexible installation - suitable for 13-35mm ceiling thickness
- Simple installation with through wiring and integrated cable gland
- Cut-out diameters:  
fire rated fixed: 77mm  
fire rated adjustable: 87mm



### Energy and cost savings



### Based on:

Hotel entrance hall size: 10x6x3m  
 Lux level: 100lx  
 Luminaires: 30 LED vs. 30 MR16 50W  
 (Chalice MV\_QR50W)  
 Usage: 24h/day, 7 days per week,  
 8760hrs/ year  
 Energy price - €0.15/kWh

### Standards



\* Fixed and adjustable version  
 \*\* IP65 fixed version

