

CONTACT DETAILS

www.thornlighting.com/CTUM



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

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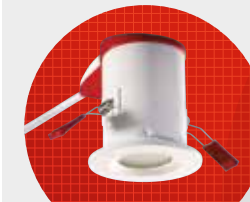
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# THORN

Replaces up to 75W Halogen

Up to 90% Energy saving

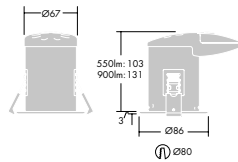
## Cetus Mini Downlight



Fast. Simple. Affordable.

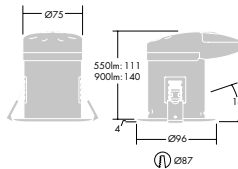
### Ordering Guide

Description	Wt (kg)	SAP Code
<b>Fire-rated dimmable Downlight</b>		
CETUS MINI FH LED550-840 IP65 WH	0.50	96272518
CETUS MINI FH LED550-830 IP65 WH	0.50	96272519
CETUS MINI FH LED550-827 IP65 WH	0.50	96644038
CETUS MINI FH LED550-840 IP65 CHR	0.50	96272522
CETUS MINI FH LED550-830 IP65 CHR	0.50	96272523
CETUS MINI FH LED550-827 IP65 CHR	0.50	96644040
CETUS MINI FH LED550-840 IP20 WH	0.50	96272526
CETUS MINI FH LED550-830 IP20 WH	0.50	96272527
CETUS MINI FH LED550-827 IP20 WH	0.50	96644042
CETUS MINI FH LED550-840 IP20 CHR	0.50	96272528
CETUS MINI FH LED550-830 IP20 CHR	0.50	96272529
CETUS MINI FH LED550-827 IP20 CHR	0.50	96644043
CETUS MINI FH LED900-840 IP65 WH	0.50	96644050
CETUS MINI FH LED900-830 IP65 WH	0.50	96644051
CETUS MINI FH LED900-827 IP65 WH	0.50	96644052
CETUS MINI FH LED900-840 IP65 CHR	0.50	96644056
CETUS MINI FH LED900-830 IP65 CHR	0.50	96644057
CETUS MINI FH LED900-827 IP65 CHR	0.50	96644058



Fire rated fixed

<b>Fire-rated dimmable adjustable Downlight</b>		
CETUS MINI FH LED550-840 AJ IP20 WH	0.55	96272520
CETUS MINI FH LED550-830 AJ IP20 WH	0.55	96272521
CETUS MINI FH LED550-827 AJ IP20 WH	0.55	96644039
CETUS MINI FH LED550-840 AJ IP20 CHR	0.55	96272524
CETUS MINI FH LED550-830 AJ IP20 CHR	0.55	96272525
CETUS MINI FH LED550-827 AJ IP20 CHR	0.55	96644041
CETUS MINI FH LED900-840 AJ IP20 WH	0.55	96644053
CETUS MINI FH LED900-830 AJ IP20 WH	0.55	96644054
CETUS MINI FH LED900-827 AJ IP20 WH	0.55	96644055
CETUS MINI FH LED900-840 AJ IP20 CHR	0.55	96644059
CETUS MINI FH LED900-830 AJ IP20 CHR	0.55	96644060
CETUS MINI FH LED900-827 AJ IP20 CHR	0.55	96644061

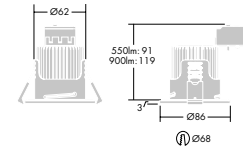


Fire rated adjustable

FH - Fire hood, AJ - Adjustable, WH - White, CHR - Chrome

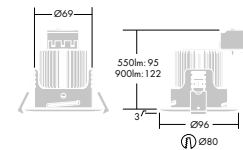
### Ordering Guide

Description	Wt (kg)	SAP Code
<b>Dimmable Downlight</b>		
CETUS MINI LED550-840 IP65 WH	0.35	96272530
CETUS MINI LED550-830 IP65 WH	0.35	96272531
CETUS MINI LED550-827 IP65 WH	0.35	96644044
CETUS MINI LED550-840 IP65 CHR	0.35	96272534
CETUS MINI LED550-830 IP65 CHR	0.35	96272535
CETUS MINI LED550-827 IP65 CHR	0.35	96644046
CETUS MINI LED550-840 IP20 WH	0.35	96272552
CETUS MINI LED550-830 IP20 WH	0.35	96272553
CETUS MINI LED550-827 IP20 WH	0.35	96644048
CETUS MINI LED550-840 IP20 CHR	0.35	96272554
CETUS MINI LED550-830 IP20 CHR	0.35	96272555
CETUS MINI LED550-827 IP20 CHR	0.35	96644049
CETUS MINI LED900-840 IP65 WH	0.35	96644062
CETUS MINI LED900-830 IP65 WH	0.35	96644063
CETUS MINI LED900-827 IP65 WH	0.35	96644064
CETUS MINI LED900-840 IP65 CHR	0.35	96644068
CETUS MINI LED900-830 IP65 CHR	0.35	96644069
CETUS MINI LED900-827 IP65 CHR	0.35	96644070



Fixed

<b>Dimmable adjustable Downlight</b>		
CETUS MINI LED550-840 AJ IP20 WH	0.40	96272532
CETUS MINI LED550-830 AJ IP20 WH	0.40	96272533
CETUS MINI LED550-827 AJ IP20 WH	0.40	96644045
CETUS MINI LED550-840 AJ IP20 CHR	0.40	96272536
CETUS MINI LED550-830 AJ IP20 CHR	0.40	96272537
CETUS MINI LED550-827 AJ IP20 CHR	0.40	96644047
CETUS MINI LED900-840 AJ IP20 WH	0.40	96644065
CETUS MINI LED900-830 AJ IP20 WH	0.40	96644066
CETUS MINI LED900-827 AJ IP20 WH	0.40	96644067
CETUS MINI LED900-840 AJ IP20 CHR	0.40	96644071
CETUS MINI LED900-830 AJ IP20 CHR	0.40	96644072
CETUS MINI LED900-827 AJ IP20 CHR	0.40	96644073



Adjustable

### 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

FH - Fire hood, AJ - Adjustable, WH - White, CHR - Chrome

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



### Performance

- 550 Llm and 900Llm LED downlight range
- Only 6W and 9W total load with up to 90% energy savings compared to traditional downlights
- Highly efficient with above 92Llm/W
- Meets UK building regulations B Fire for 30, 60 and 90 minutes
- 40 000 hours rated life, equivalent to 11 years at 10 hours per day operation
- Choice of 2700K, 3000K and 4000K 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:  
 non fire rated fixed: 68mm  
 non fire rated adjustable: 80mm  
 fire rated fixed: 80mm  
 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 - €0.12/kWh

### Standards



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

