

**THORN**  
LIGHTING



# CHALICE & CETUS REFURBISHMENT GUIDE

Downlight replacement as **Easy as 1,2,3**

# SIMPLY CHOOSE THE RIGHT OPTION THAT WORKS FOR YOU

IT'S AS EASY AS 1,2,3



# DOWNLIGHT REPLACEMENT. IT'S AS EASY AS 1,2,3

From replacing CFL (compact fluorescent downlights) through to your existing LED downlights that are running less efficient or nearing end of life, we have a solution that allows you to use your existing ceiling cut out!



**ENTER CHALICE & CETUS!**

OPTION	SITUATION	SOLUTION
1	Replacing existing CFL Solution	CHALICE
2	For existing ceiling cut outs of 95 – 230mm	CETUS S, M or L
3	When the existing cut out is greater than the new solution	Ceiling Ring



## OPTION 1

### CFL (Compact Fluorescent Lamps)



#### CHALICE OR CETUS

To replace an old CFL solution (with a ceiling cut out of 150mm or 200mm)  
our Chalice or CETUS ranges are ready to go!

## OPTION 2

### 95 - 125 mm Cut out



#### CETUS3 Size S

The old ceiling cut out can be covered with the flexibility of the CETUS3 Range!

CETUS3 S size can cover ceiling cut outs of 95-125mm

### 145 - 180 mm Cut out



#### CETUS3 Size M

The old ceiling cut out can be covered with the flexibility of the CETUS3 Range!

CETUS3 M size can cover ceiling cut outs of 145-180mm

### 190 - 230 mm Cut out



#### CETUS3 Size L

The old ceiling cut out can be covered with the flexibility of the CETUS3 Range!

CETUS3 L size can cover ceiling cut outs of 190-230mm

## OPTION 3

**Existing ceiling cut out is greater than new solution**



If the old ceiling cut out is bigger than the new LED downlight,  
then our retrofit ring to be used to reduce the hole on site!

Cut out size (mm)	Description	Order code
160-170	CHALICE 150 CEILING RING 160-170 WH	96633601
180-190	CHALICE 150 CEILING RING 180-190 WH	96633602
210-220	CHALICE 200 CEILING RING 210-220 WH	96633600
230-240	CHALICE 200 CEILING RING 230-240 WH	96633599
250	CHALICE/CETUS3 200 CEILING RING 250MM WH	96633598

**Find out more** (Scan with your mobiles camera app)



Chalice



CETUS3

**CETUS**

# THE DOWNLIGHT RANGE THAT ALWAYS FITS

We offer the Cetus in 3 different recess sizes, making it extremely flexible. The range can fit or cover all ceiling cut-outs from 95 to 230 mm, matching any project needs whilst staying aesthetically consistent within a project. The luminaire's design is minimal and comes with a

high performance of up to 3400 lm. With a recessed depth of 100 mm, each size can cover differences in the ceiling cut-outs of 3 – 4 cm. No retrofit-rings are needed, creating no colour differences or installations steps at the ceiling, making the Cetus perfect for refurbishment projects.

**SMALL (S)**  
**CUT OUT: 95 – 125 MM**



**MEDIUM (M)**  
**CUT OUT: 145 – 180 MM**



**VARIED REFLECTORS**

White or satin reflectors are available.



### MOUNTING OPTIONS

The Cetus MSF is easy and fast to install thanks to its twist and lock bayonet mount. It can be surface mounted, suspended and it allows for Besa box installation.

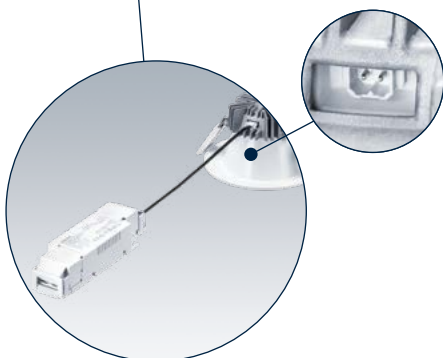


### SURFACE MOUNTED DOWNLIGHT (MSF)

A surface mounted version is available in a compact 180 mm height only, with a high lumen package up to 3200 lm, and with E3 emergency as an option.



### LARGE (L) CUT OUT: 190 – 230 MM



### PLUG & PLAY CONVERTER

A plug & play converter to the luminaire increase ease of installation.



### FAST INSTALLATION

A simple spring installation for ceilings from 1 – 25 mm (S size) and from 1 – 35 mm (M and L size) means an uncomplicated fixing.

CETUS

# INTRODUCING LCS! ONE DOWNLIGHT, MULTIPLE OPTIONS.

Perfect for refurbishment projects, thanks to Lumen Colour Select (LCS) you can choose the colour temperature and the lumen output after the luminaire has been installed.

You can choose between 2 lumen outputs (2000 lm and 3400 lm for M and L, 800 lm and 1500 lm for S) and between 3 colour temperatures (3000 K, 3500 K, 4000 K).

Using a screwdriver, once the luminaire has been already installed in the ceiling, the lumen or the colour temperature values can be simply changed by rotating the inner center plate, where the preset values are embossed.

So when it comes to refurbishment with tight deadlines, CETUS with LCS is the winner thanks to flexibility alongside simple installation.



**LCS SOLUTION**  
**SIX CHOICES IN ONE LUMINAIRE**

3000 K    3500 K    4000 K

2000 lm / 3400 lm (M and L)  
800 lm / 1500 lm (S)

 Lower lumen output	 3000 K	 3500 K	 4000 K
 Higher lumen output			





**CHALICE**

# ONE CONSISTENT LIGHTING DESIGN APPROACH

Offering an energy-efficient replacement for conventional downlights, Thorn's Chalice family of luminaires provide great performance while keeping running costs low. They are ideal choice for offices, retail spaces, hotels, residential areas and more. Chalice is available in three sizes: 74 mm, 150 mm, 200 mm, with lumen packages ranging from 550 to 3000 lm. A surface-mount housing is available for mounting in spaces with exposed ceilings. Fixed output, DALI dimming and emergency options are available. Efficacy reaches as high as 125 lm/W, and maintenance costs are low, thanks to Chalice's 50 000-hour lifetime.



## A WIDE RANGE OF OPTIONS

Being the right choice for several applications, the Chalice family provides flexibility due to its wide range of options. With different accessories, varying from frosted ring to wallwash, bezels in diverse colours, reflectors, optics, sizes, mountings and IP ratings, Chalice is a complete downlight family to suit distinct needs.



# TUNE THE COLOUR OF LIGHT

## AND TRANSFORM YOUR SPACE

### VARIABLE COLOUR TEMPERATURE (VCT)

Chalice's Variable Colour Temperature (VCT) option uses CRI 90 LEDs to tune colour temperature from a warm 2700K up to a very cool 6500K.

The VCT functionality is best used in combination with our basicDIM Wireless app or via lighting management systems with DALI DT8.

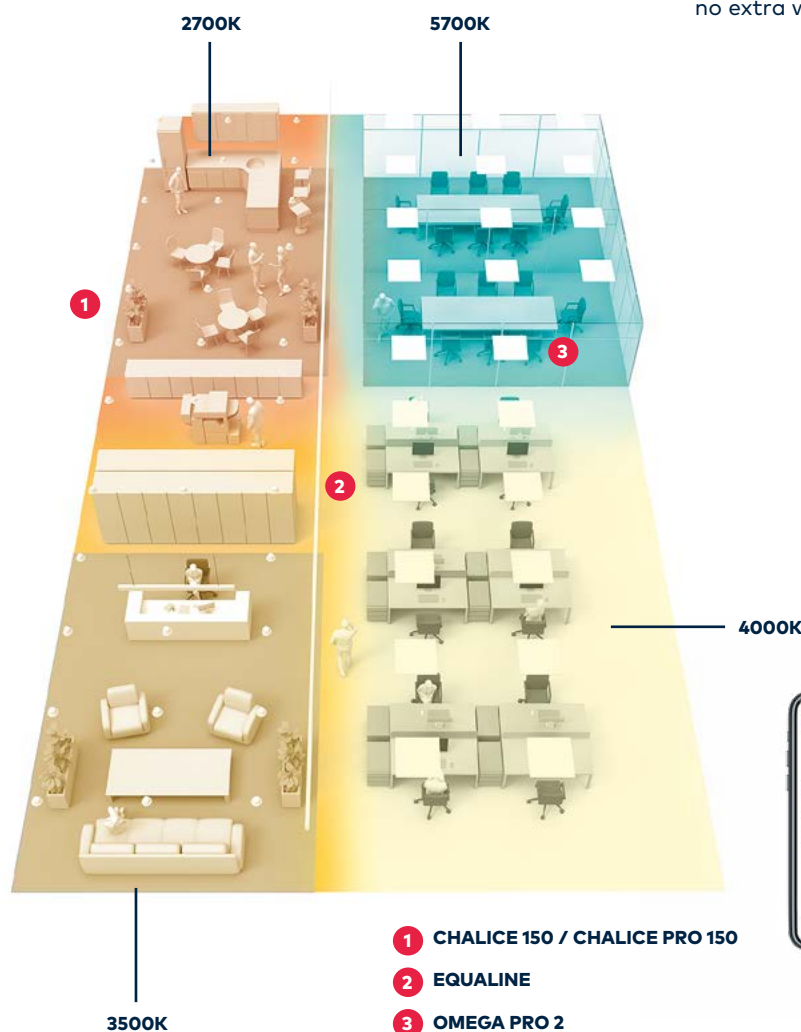
With VCT you can now set dedicated colour temperatures for specific areas of your office, ranging from 2700K to 6500K.

### SIMPLE WIRELESS CONTROL VIA BLUETOOTH

basicDIM Wireless is our control with Casambi Bluetooth technology, integrating sensors, switches and luminaires that can be controlled and configured from a tablet or a smartphone using our dedicated app.

Use pre-defined lighting scenarios or adjust the level – and even the colour temperature – of light manually or automatically to suit your mood and requirements.

Because it's wireless, basicDIM is just as well suited to existing installations as to newly built ones. And installation couldn't be easier, as all the technology needed is built into the luminaires – with no extra wiring.



### CHALICE / CHALICE PRO VCT BC (basicDIM)

VCT from 2700K to 6500K, CRI 90



CASAMBI



Download the free **4remoteBT** app provided by Tridonic, a Member of the Zumtobel Group.



# GET IN TOUCH

[www.thornlighting.com](http://www.thornlighting.com)

WE  
MAKE  
LIGHT  
WORK

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