

**THORN**  
LIGHTING



# CHALICE

A comprehensive LED downlight family offering  
high performance across a wide range of applications





# MULTIPLE APPLICATIONS—ONE SOLUTION

**DOWNLIGHTING REQUIREMENTS VARY ENORMOUSLY  
BUT THE CHALICE FAMILY RESPONDS TO ALL.**

Many applications. Whatever the downlighting application, the Chalice family has a solution. Whether it's vivid general and accent lighting for a retail store; or providing comfortable, uniform lighting for circulation areas, Chalice can do it.



Office



Education



Retail



Corridor &  
Staircases



Hospitality &  
Residential

# 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 3000lm. 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 125lm/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.

## CONSISTENT DESIGN

The consistent design of the Chalice family can achieve a unified look across one project, while benefiting from a variety of lumen outputs, sizes and features. Creating a homogenous appearance helps lift lighting installations to the next level.

### CHALICE 74

#### A COMPACT DOWNLIGHT WITH A HIGH LEVEL OF PROTECTION



A compact fire-rated downlight. Exchangeable bezels allow luminaire to be customised for different settings. IP65-rated, for a high level of protection against dust and moisture. Simple, tool-free installation thanks to handy detachable connector. Ideal for hotels, residential areas and restrooms.

### CHALICE

#### GREAT QUALITY LIGHTING AND IDEAL FOR REFURBISHMENT



Direct replacement for CFL downlights. Good quality lighting with CRI >80 and a colour consistency of MacAdam 3. Choice of two sizes: 150 mm and 200 mm. Soft and diffused lighting effect. Ideal for corridors, reception areas and general lighting.

### CHALICE PRO

#### LOW GLARE AND EXCEPTIONAL COLOUR QUALITY



Comfortable low glare lighting with UGR <19 and sparkling lighting effect. Ideal for offices and reception areas, retail and hotel applications. Quality lighting with CRI >80 and lifetime 50000h L90.

# 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.

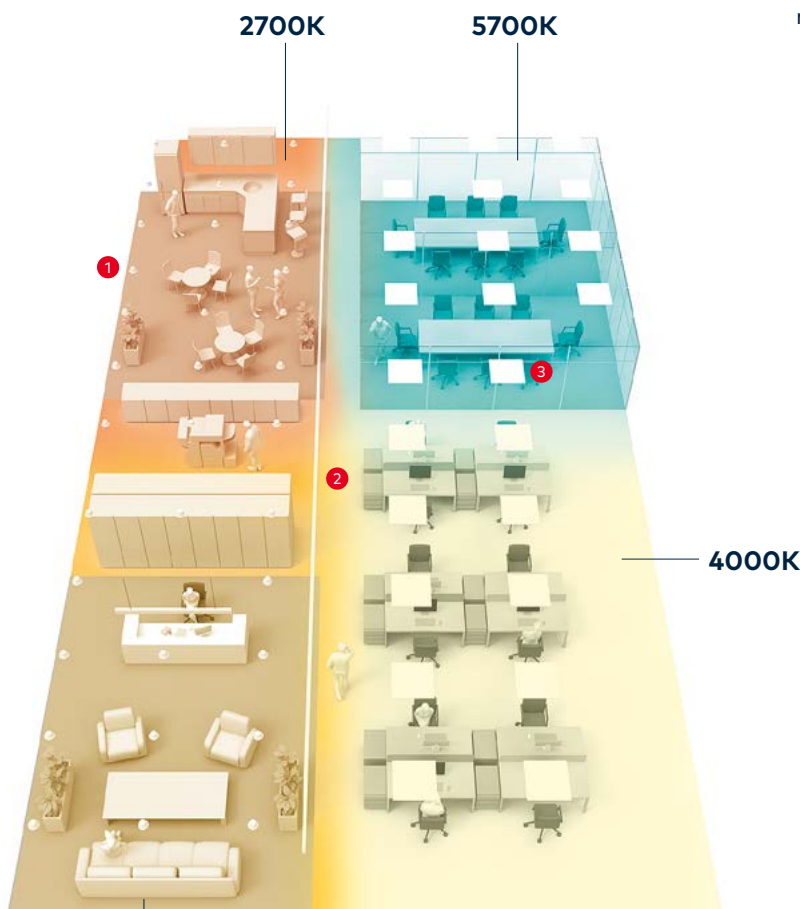
With VCT you can now set dedicated colour temperatures for specific areas of your office, ranging from 2700K to 6500K.

### 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.



3500K

- 1 Chalice 150 / Chalice Pro 150
- 2 Equaline
- 3 Omega Pro 2

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

VCT from 2700K to 6500K, CRI 90



CASAMBI

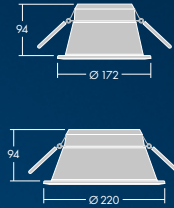
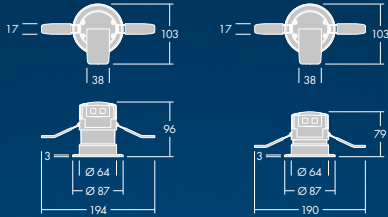


Download the free **4remoteBT** app provided by Tridonic, a Member of the Zumtobel Group.



# CHALICE FAMILY

A complete and consistent range



	CHALICE 74	CHALICE 150 / 200	CHALICE PRO
	550 lm 900 lm	1400 lm 2000 lm 3000 lm	1100 lm 2000 lm 3000 lm
	Up to 101lm/W	Up to 122lm/W	Up to 125lm/W
	3000K 4000K	3000K 4000K VCT (Variable Colour Temperature)	3000K 4000K VCT (Variable Colour Temperature)
	Flood, Wide flood, Wallwasher	Very Wide flood, Wallwasher	Very Wide flood
<b>CRI</b>	80	80, 90 (VCT variant)	80, 90 (VCT variant)
<b>UGR</b>	<25	<22	<19
	50000 h L70	50000 h L80	50000 h L90
	IP65 From below	IP54	IP54
	-	Satin	Mirror, Satin
	Matt White, Gloss White, Matt Black, Chrome, Brushed Aluminium	White (RAL 9016)	White (RAL 9016)
	74 – 80 mm	150 – 200 mm	150 mm
	<100 mm	≥ 100 mm	≥ 100 mm
	-	Self contained (E3, E3TX), Central supply (EC)	Self contained (E3, E3TX), Central supply (EC)
	Fixed output	Fixed output, DALI, Wireless (basicDIM)	Fixed output, DALI, Wireless (basicDIM)
	Lenses, Bezels	Surface-mounted housing, Retrofit ring, Decorative rings, Wallwasher	Surface-mounted housing, Retrofit ring, Decorative rings

# GET IN TOUCH

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



**5 YEAR  
GUARANTEE**

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

Thorn Lighting is constantly developing and improving its products. All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract. The right is reserved to change specifications without prior notification or public announcement. All goods supplied by the company are supplied subject to the company's General Conditions of Sale, a copy of which is available on request. All measurements are in millimetres and weights in kilograms unless otherwise stated.  
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**WE  
MAKE  
LIGHT  
WORK**