

# THORN

# Chalice LV/MV

Competitive, high quality  
range of low voltage and  
mains voltage downlights



# Chalice LV

A range of recessed low voltage downlights supplied with 35W or 50W metal reflector lamps



- Decorative lighting for shops exhibitions, displays and reception areas
- Recessed round, direct and adjustable 0-25° and 0-45° versions
- For use with remote transformers
- Removable spring for simple lamp replacement
- 4000h 38° lamp included
- Precise beam control
- IP44 versions (fixed only, rating from below when installed)
- Quick recessed installation with 2 spring clips
- Choice of white, chrome, brass (gold effect finish), antique brass or brushed aluminium

## Lamps

⚡ 30-50W QR/QR-CB (HMG/HRG) Halogen  
Cap: GU5.3

## Materials/Finish

Body: die-cast aluminium/zinc (eyeball version in pressed steel) white, chrome, brass, antique brass or brushed aluminium finish

## Installation/Mounting

Recessed versions fixed with 2 spring clips. Suitable for ceiling thickness between 1 and 30mm. Removable spring for simple lamp replacement. 2 x 2.5mm<sup>2</sup> terminal block.

Cut out diameters:  
Direct: 62mmØ  
0-25° +/-: 72mmØ  
0-45°: 80mmØ

## Standards

Designed and manufactured to comply with EN 60598

⚡ Class III Electrical (12V)  
IP20 (IP44) ⚡ CE

## Ordering Guide

Supplied complete with lamps

Description	Iicos Code	Socket	Weight (kg)	SAP Code
<b>Direct</b>				
CHALICE LV FIXED 1X35W QR-CB WHI	HMG/HRG	GU5.3	0.2	96201617
CHALICE LV FIXED 1X35W QR-CB AL	HMG/HRG	GU5.3	0.2	96201618
CHALICE LV FIXED 1X35W QR-CB ANTIK	HMG/HRG	GU5.3	0.2	96201619
CHALICE LV FIXED 1X35W QR-CB BRA	HMG/HRG	GU5.3	0.2	96201620
CHALICE LV FIXED 1X35W QR-CB CHR	HMG/HRG	GU5.3	0.2	96201621
CHALICE LV FIXED 1X50W QR-CB WHI	HMG/HRG	GU5.3	0.2	96201622
CHALICE LV FIXED 1X50W QR-CB BRA	HMG/HRG	GU5.3	0.2	96201623
CHALICE LV FIXED 1X50W QR-CB CHR	HMG/HRG	GU5.3	0.2	96201624
<b>Adjustable</b>				
CHALICE LV 0-25° 1X35W QR-CB WHI	HMG/HRG	GU5.3	0.2	96201630
CHALICE LV 0-25° 1X35W QR-CB AL	HMG/HRG	GU5.3	0.2	96201631
CHALICE LV 0-25° 1X35W QR-CB ANTIK	HMG/HRG	GU5.3	0.2	96201632
CHALICE LV 0-25° 1X35W QR-CB BRA	HMG/HRG	GU5.3	0.2	96201633
CHALICE LV 0-25° 1X35W QR-CB CHR	HMG/HRG	GU5.3	0.2	96201634
CHALICE LV 0-25° 1X50W QR-CB WHI	HMG/HRG	GU5.3	0.2	96201635
CHALICE LV 0-25° 1X50W QR-CB BRA	HMG/HRG	GU5.3	0.2	96201636
CHALICE LV 0-25° 1X50W QR-CB CHR	HMG/HRG	GU5.3	0.2	96201637
CHALICE LV 0-45° 1X50W QR-CB WHI	HMG/HRG	GU5.3	0.3	96201638
CHALICE LV 0-45° 1X50W QR-CB AL	HMG/HRG	GU5.3	0.3	96201639
CHALICE LV 0-45° 1X50W QR-CB ANTIK	HMG/HRG	GU5.3	0.3	96201640
CHALICE LV 0-45° 1X50W QR-CB BRA	HMG/HRG	GU5.3	0.3	96201641
CHALICE LV 0-45° 1X50W QR-CB CHR	HMG/HRG	GU5.3	0.3	96201642

WHI - White, AL - Brushed aluminium, ANTIK - Antique brass, BRA - Brass, CHR - Chrome

# Chalice LV Kits

A cost effective range of recessed low voltage downlights supplied with 35W or 50W metal reflector lamp and dimmable electronic transformer



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- Decorative lighting for shops, exhibitions, displays and receptions areas
- Recessed round, direct and adjustable 0-25° and 0-45° versions
- Delivered complete with 50W metal reflector lamp and a 60VA dimmable electronic transformer (3x35W complete with a 105VA transformer)
- Simple lamp replacement
- 4000h 38° lamp included
- Precise beam control
- Quick recessed installation with 2 spring clips
- IP44 versions (fixed only, rating from below when installed)
- Choice of white, chrome, brass (gold effect finish) antique brass or brushed aluminium
- Eyeball version

## Lamps

⚡ 30-50W QR/QR-CB (HMG/HRG) Halogen  
Cap: GU5.3

## Materials/Finish

Body: die-cast aluminium/zinc (eyeball version in pressed steel)  
white, chrome, brass, antique brass or brushed aluminium finish

## Installation/Mounting

Recessed versions fixed with 2 spring clips. Suitable for ceiling thickness between 1 and 30mm. Removable spring for simple lamp replacement. 2 x 2.5mm<sup>2</sup> terminal block.

Cut out diameters:

Direct: 62mmØ

0-25°: 72mmØ

Eyeball: 80mmØ

## Standards

Designed and manufactured to comply with EN 60598

⊠ Class II Electrical (transformer)  
IP20 (IP44) ⚡ CE

## Ordering Guide

Supplied complete with lamps

Description	Iicos Code	Socket	Weight (kg)	SAP Code
<b>Direct</b>				
CHALICE LV FIXED 3X35W QR-CB TD WHI	HMG/HRG	GU5.3	0.8	96201612
CHALICE LV FIXED 3X35W QR-CB TD AL	HMG/HRG	GU5.3	0.8	96201613
CHALICE LV FIXED 3X35W QR-CB TD ANTIK	HMG/HRG	GU5.3	0.8	96201614
CHALICE LV FIXED 3X35W QR-CB TD BRA	HMG/HRG	GU5.3	0.8	96201615
CHALICE LV FIXED 3X35W QR-CB TD CHR	HMG/HRG	GU5.3	0.8	96201616
CHALICE LV FIXED 1X50W QR-CB TD WHI	HMG/HRG	GU5.3	0.3	96201643
CHALICE LV FIXED 1X50W QR-CB TR WHI	HMG/HRG	GU5.3	1.3	96201644
<b>Adjustable</b>				
CHALICE LV 0-25° 3X35W QR-CB TD WHI	HMG/HRG	GU5.3	0.8	96201625
CHALICE LV 0-25° 3X35W QR-CB TD AL	HMG/HRG	GU5.3	0.8	96201626
CHALICE LV 0-25° 3X35W QR-CB TD ANTIK	HMG/HRG	GU5.3	0.8	96201627
CHALICE LV 0-25° 3X35W QR-CB TD BRA	HMG/HRG	GU5.3	0.8	96201628
CHALICE LV 0-25° 3X35W QR-CB TD CHR	HMG/HRG	GU5.3	0.8	96201629
CHALICE LV 0-25° 1X50W QR-CB TD WHI	HMG/HRG	GU5.3	0.3	96201645
CHALICE LV 0-25° 1X50W QR-CB TR WHI	HMG/HRG	GU5.3	1.3	96201646
<b>Eyeball</b>				
CHALICE LV EYE 1X50W QR-CB TD WHI	HMG/HRG	GU5.3	0.4	96201651
CHALICE LV EYE 1X50W QR-CB TR WHI	HMG/HRG	GU5.3	1.4	96201652

WHI - White, AL - Brushed aluminium, ANTIK - Antique brass, BRA - Brass, CHR - Chrome  
TD - Dimmable electronic transformer, TR - Magnetic transformer

# Chalice MV

A comprehensive family of recessed mains voltage downlights for 50W PAR16 lamps



- Decorative lighting for exhibitions, displays and reception areas
- Recessed round, direct and adjustable 0-25° and 0-45° versions
- Eyeball version available
- Mains voltage - suitable for dimming, no transformer required
- 2000h 25° lamp included
- Quick recessed installation with 2 spring clips
- IP44 versions (fixed only, rating from below when installed)
- Choice of white or chrome versions
- Eyeball version

## Lamps

50W QPAR 16 (HA) Halogen  
Cap: GU10

## Materials/Finish

Body: die cast aluminium/zinc (eyeball version in pressed steel), white or chrome finish

## Installation/Mounting

Recessed versions fixed with 2 spring clips. Suitable for ceiling thickness between 1 and 30mm. Removable spring for simple lamp replacement. 2 x 2.5mm<sup>2</sup> terminal block.

Cut out diameters:

Direct: 62mmØ

0-25°: 72mmØ

Eyeball: 90mmØ

## Standards

Designed and manufactured to comply with EN 60598

Class II Electrical (230V)  
IP20 (IP44) 

## Ordering Guide

Supplied complete with lamps

Description	Icos Code	Socket	Weight (kg)	SAP Code
<b>Direct</b>				
CHALICE MV FIXED 1X50W QPAR WHI	HA	GU10	0.2	96201647
CHALICE MV FIXED 1X50W QPAR CHR	HA	GU10	0.2	96201648
<b>Adjustable</b>				
CHALICE MV 0-25° 1X50W QPAR WHI	HA	GU10	0.2	96201649
CHALICE MV 0-25° 1X50W QPAR CHR	HA	GU10	0.2	96201650
CHALICE MV 0-45° 1X50W QPAR WHI	HA	GU10	0.2	96201653
CHALICE MV 0-45° 1X50W QPAR AL	HA	GU10	0.2	96201654
CHALICE MV 0-45° 1X50W QPAR ANT	HA	GU10	0.2	96201655
CHALICE MV 0-45° 1X50W QPAR BRA	HA	GU10	0.2	96201656
CHALICE MV 0-45° 1X50W QPAR CHR	HA	GU10	0.2	96201657
<b>Eyeball</b>				
CHALICE MV EYE 1X50W QPAR WHI	HA	GU10	0.3	96201659

WHI - White, AL - Brushed aluminium, ANTIK - Antique brass, BRA - Brass, CHR - Chrome

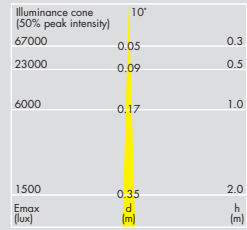
1. White, direct
2. Antique brass, 0-25° adjustable
3. Chrome, 0-25° adjustable
4. Brushed aluminium, 0-45° adjustable
5. Brushed aluminium, direct
6. Brass, 0-25° adjustable
7. White, 0-25° adjustable
8. Chrome, 0-45° adjustable
9. Brass, 0-45° adjustable
10. White, Eyeball

# Competitive, high quality halogen downlights, suitable for a wide range of applications

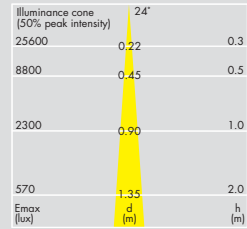
The sparkling effects of small dichroic low voltage and mains voltage lamps have increased in popularity over the last few years. The lamp life has improved up to 4000 hours and the control of light is becoming more precise.

Prices for these lamps, in particular the electronic transformers have decreased providing a low investment profile today compared with just a few years ago.

The Chalice range of halogen lamps is not 'just another low voltage range'! Best components, die cast luminaries, long life lamps and electronic transformers combine to ensure high quality and long life. The kits are all pre-wired to guarantee quick and easy installation! This is also fully in line with our strong Thorn brand that will give you security, a high level of service and a 2-year warranty (lamps excluded).



Lamp: Decostar IRC 50W 10°



Lamp: Decostar IRC 50W 24°



Chalice 190



Chalice LV



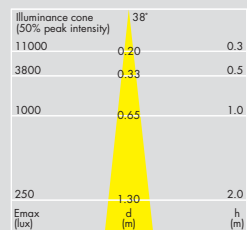
We have incorporated a distinct bezel design, creating a family link to the bigger compact fluorescent downlight range of Chalice 190. This results in a more aesthetical installation when combining compact fluorescents and halogen downlights in a single installation.

The range is suitable for decorative lighting including exhibitions, displays and receptions areas. In addition to this the four different variants you will find in the next pages further extend the application areas.

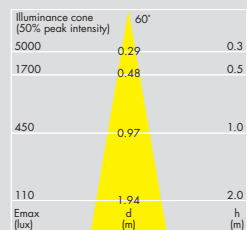
The variations include:

- Fixed version (IP44): can be used in bathrooms or other areas with or without moisture
- Tiltable +/- 25°: for adjustable beam directions
- Out-swivelling 0-45°: for wall washing or spotlighting
- Eyeball: the classic, +/- 40°

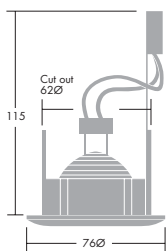
The first three are available in 'Kits' where a dimmable electronic transformer is included, pre-wired for quick and easy installation.



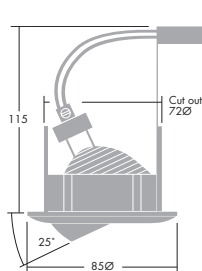
Lamp: Decostar IRC 50W 38°



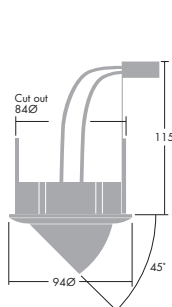
Lamp: Decostar IRC 50W 60°



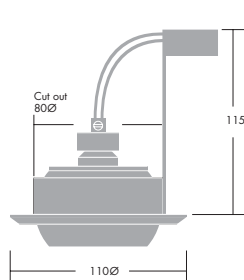
Fixed version



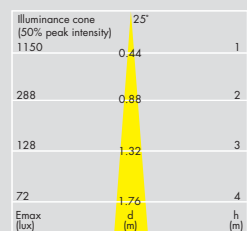
Tiltable +/- 25°



Out-swivelling 0-45°



Eyeball +/- 40°



Lamp: 50W PAR16 25°

# THORN

Lighting people and places

## Thorn Lighting Main Offices

### Head Office

Thorn Lighting Holdings Limited,  
Silver Screens, Elstree Way, Borehamwood,  
Hertfordshire, WD6 1FE, UK  
Tel: (44) 20 8732 9800  
Fax: (44) 20 8732 9801  
E-mail: info@thornlight.com  
Website: www.thornlighting.com

### Australia

Thorn Lighting Pty Limited, 13 Cooper Street,  
P O Box 188, Smithfield, NSW 2164, Australia  
Tel: (61) 2 9604 4300  
Fax: (61) 2 9604 4588  
E-mail: info@thornlight.com.au  
Website: www.thornlight.com.au

Thorn DNT Airfield Lighting Pty Limited, P O Box 548,  
Unit 2, 7-9 Newcastle Road, Bayswater, Melbourne,  
Victoria 3153, Australia  
Tel: (61) 3 9720 3233  
Fax: (61) 3 9720 8233  
E-mail: enquiries@thornlight.com.au  
Website: www.thornairfield.com

### Austria

Thorn Licht GesmbH, Erzherzog Karl-Straße 57,  
Wien A-1220, Austria  
Tel: (43) 1 202 66 11  
Fax: (43) 1 202 66 11 12  
E-mail: office@thorn.at

### China

Thorn Lighting (Guangzhou) Limited,  
(Factory & Guangzhou Office), No 1 Yi Heng Road,  
Eastern Section, GETDD, Guangzhou 510760, China  
Tel: (86) 20 8224 1706  
Fax: (86) 20 8224 5777  
E-mail: gzhthorn@public.guangzhou.gd.cn

Thorn Lighting (Tianjin) Company Ltd, 332 Hongqi Road,  
Tianjin 300190, China  
Tel: (86) 22 8369 2303  
Fax: (86) 22 8369 2302  
E-mail: thornjt@public.tpt.tj.cn

Thorn Lighting (Guangzhou) Limited, Shanghai Branch  
Office, Room 2609, Union Building, 100 Yanan Road East,  
Shanghai 200002, China  
Tel: (86) 21 6323 0800  
Fax: (86) 21 6373 1626  
E-mail: thornsha@public.sta.net.cn

Thorn Lighting (Guangzhou) Limited,  
Beijing Branch Office, Room 519, China World Tower I,  
China World Trade Centre, Beijing 100004, China  
Tel: (86) 10 6505 4601  
Fax: (86) 10 6505 4603  
E-mail: thornbj@public.bta.net.cn

### Czech Republic

Thorn Lighting CS, spol., Jaslenska 6, Praha 6,  
160 00 Czech Republic  
Tel: (42) 02 2431 5252  
Fax: (42) 02 3332 6313  
E-mail: thorn@thornlight.cz  
Website: www.thornlight.cz

### Denmark

Thorn & Jakobsson, Industrivej Vest 41,  
DK-6600 Vejen, Denmark  
Tel: (45) 7696 3600  
Fax: (45) 7696 3601  
E-mail: thorn@jakobsson.dk  
Website: www.thorn-jakobsson.dk

### Estonia

Thorn Lighting Oy, Eesti Filiaal, Tatari 23/24,  
EE-10116 Tallinn, Estonia  
Tel: (372) 656 3505  
Fax: (372) 656 3227  
E-mail: ando@thorn.ee

### Finland

Thorn Lighting Oy, Airport Plaza Business Park,  
Ayritie 12A, 01510 Vantaa, Finland  
Tel: (358) 9 549 222  
Fax: (358) 9 549 22300  
E-mail: asiakaspalvelu@thornlight.fi  
Website: www.thornlight.fi

### France

Thorn Europhane SA, 156 Boulevard Haussmann,  
Cedex 08, Paris 75379, France  
Tel: (33) 1 49 53 6262  
Fax: (33) 1 49 53 6240  
Website: www.thorn.fr

Thorn Airfield Lighting, 156 Boulevard Haussmann,  
75379 Paris Cedex 08, France  
Tel: (33) 1 49 53 62 62  
Fax: (33) 1 49 53 62 89  
E-mail: thornairfield@thorn.fr  
Website: www.thornairfield.com

### Hong Kong

Thorn Lighting (Hong Kong) Limited, Unit 4301,  
Level 43, Tower 1, Metroplaza, 223 Hing Fong Road,  
Kwai Chung, N.T., Hong Kong  
Tel: (852) 2578 4303  
Fax: (852) 2887 0247  
E-mail: info@thorn.com.hk  
Website: www.thorn.com.hk

Thorn Lighting (HK) Ltd  
Macau Branch, Room 306, 3/F Marina Gardens,  
876 Avenida da Amizade, Macau, China  
Tel: (853) 702 971/702 972  
Fax: (853) 702 970  
E-mail: thorn@macau.ctm.net  
Website: www.thorn.com.hk

Thorn Lighting CLK Ltd.  
Airfield Lighting Division, Unit No.4301, Level 43,  
Tower 1, Metroplaza, 223 Hing Fong Road,  
Kwai Chung, New Territories, Hong Kong  
Tel: (852) 2988 4128  
Fax: (852) 2988 4139  
E-mail: adminhk@thornclkaff.com.hk  
Website: www.thornairfield.com

### Hungary

Thorn Lighting Hungary Kft, West Gate Business Park,  
Torokbalint, To Park H-2045, Hungary  
Tel: (36) 23 501 570  
Fax: (36) 23 418 120

### Ireland

Thorn Lighting (Ireland) Limited,  
320 Harold's Cross Road, Dublin 6W, Ireland  
Tel: (353) 1 4922 877  
Fax: (353) 1 4922 724  
E-mail: enq.dublin@thornlighting.com

### Italy

Thorn Europhane Spa, Via G Di Vittorio, 2,  
Cadriano di Granarolo, Bologna 40057, Italy  
Tel: (39) 051 763391  
Fax: (39) 051 763088  
E-mail: info@thornlighting.it  
Website: www.thornlighting.it

### Latvia

Thorn Lighting Oy, Representative Office,  
Skolas Street 21-216, Riga LV 1010, Latvia  
Tel: (37) 7 332 660  
Fax: (37) 7 332 660

### Lithuania

Thorn Lighting Oy, Representative Office,  
Kalvariju Street 1, Vilnius 09310, Lithuania  
Tel: (370) 5 2 750 701  
Fax: (370) 5 2 731 480

### New Zealand

Thorn Lighting (NZ) Ltd, 399 Rosebank Road,  
P O Box 71134, Rosebank, Auckland 7, New Zealand  
Tel: (64) 9 828 7155  
Fax: (64) 9 828 7591

### Norway

Thorn Lighting AS, Industriveien 11, P O Box 63,  
Skytta 1483, Norway  
Tel: (47) 6706 2233  
Fax: (47) 6706 0351  
E-mail: s.kvernberg@thornlight.no

### Poland

Thorn Lighting Polska Sp.z.o.o., Ul. Gazowa 26A,  
Wroclaw 50-513, Poland  
Tel: (48) 71 7833 740  
Fax: (48) 71 3366 029  
E-mail: thorn@thornlight.pl  
Website: www.thornlight.pl

### Russia

Thorn Lighting, Park Place, Leninskiy Prosp.,  
113/1 Office D 110, Moscow 117198, Russia  
Tel: (7) 095 956 59 39  
Fax: (7) 095 956 59 40  
E-mail: office.moscow@thorn.ru  
Website: www.thorn.ru

Thorn Lighting, Representative Office, Europa House,  
1 Artileriiskaya, St Petersburg 191104, Russia  
Tel: (7) 812 118 8112  
Fax: (7) 812 118 8119  
E-mail: office.petersburg@thorn.ru  
Website: www.thorn.ru

### Singapore

Thorn Lighting (Singapore) Pte Ltd, 5 Kaki Bukit Crescent,  
04-02 Koyotech Building, 416238 Singapore  
Tel: (65) 6844 5800  
Fax: (65) 6745 7707  
E-mail: info@thornlight.com.sg  
Website: www.thornlight.com.sg

### Sweden

Thorn Lighting AB, Industrigatan, Box 305,  
SE-261 23 Landskrona, Sweden  
Tel: (46) 418 520 00  
Fax: (46) 418 265 74  
E-mail: thorn@thornlight.se  
Website: www.thornlight.se

### United Arab Emirates

Thorn Lighting Ltd Dubai, Al Shoala Building, Office 301,  
Block E, PO Box 1200, Deira, Dubai, UAE  
Tel: (971) 4 2940181  
Fax: (971) 4 2948838  
e-mail: thluae@emirates.net.ae

Thorn Gulf LLC, Al Shoala Building, Office 301/2,  
Block E, PO Box 1200, Deira, Dubai, UAE  
Tel: (971) 4 2948938  
Fax: (971) 4 2948838  
e-mail: thorn@gulfemirates.net.ae

### United Kingdom

Thorn Lighting Limited, Silver Screens, Elstree Way,  
Borehamwood, Hertfordshire, WD6 1FE, UK  
Tel: (44) 20 8732 9800  
Fax: (44) 20 8732 9801  
E-mail: brochures@thornlight.com  
Website: www.thornlighting.co.uk

Thorn Airfield Lighting, Silver Screens, Elstree Way,  
Borehamwood, Hertfordshire, WD6 1FE, UK  
Tel: (44) 20 8732 9804  
Fax: (44) 20 8732 9803  
E-mail: airfield@thornlight.com or thornagluk@aol.com  
Website: www.thornairfield.com

### Export Sales

Thorn Lighting Limited, 156 Boulevard Haussmann,  
Cedex 08, Paris 75379, France  
Tel: (33) 1 49 53 6262  
Fax: (33) 1 49 53 6240

Thorn Lighting Limited, Silver Screens, Elstree Way,  
Borehamwood, Hertfordshire, WD6 1FE, UK  
Tel: (44) 20 8732 9802  
Fax: (44) 20 8732 9803  
e-mail: international.sales@thornlight.com

**www.thornlighting.com**

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