



## CS5 Trimless

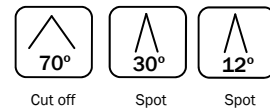
### Trimless fixed downlighter

The innovative CeilingStar5 (CS5) range can be used in residential and commercial new builds, refurbishments or retrofits. The CeilingStar5 trimless plaster in downlight is an energy efficient and zero maintenance light fitting which is a superior replament for MR16 and GU10 ceiling downlighters or incandescent downlighters. These light fittings make changing light bulbs a thing of the past.

The plaster in approach allows seamless integration of the lighting and the fabric of the building. Once the custom powder coat metal frame is plastered-in the CS5 trimless light engine is inserted into the frame, locking securely into place. With a projected life of 80,000 hours it is unlikely that the unit will need maintenance however if access to the ceiling cavity is required it is a simple matter unlocking the CS5 from the plastered-in frame for access.

The CS5 trimless offers equivalent illumination to 35W and 50W GU10 halogens consuming just 7W and 10W with the light source recessed by 35mm to prevent glare. To create a calm relaxing environment we have WarmWhite (CT 3000K) with a colour rendering index (CRI) of 83 offering excellent quality illumination. For a pure, invigorating feel we have pure NeutralWhite (CCT 4000K, CRI 86)

### Beam Angle



### Product Features

Trimless downlight (plaster-in) seamlessly integrates the lighting and the architecture  
50,000 hours maintenance free operational life (L70) at high ambient temperatures up to 55 °C

80% energy saving compared to halogens

Compliant with EU 'A' energy rating

Exceeds UK Part L1 and L2

Available in 70° cut off with 30° and 12° beam angle options

Low glare recessed light source

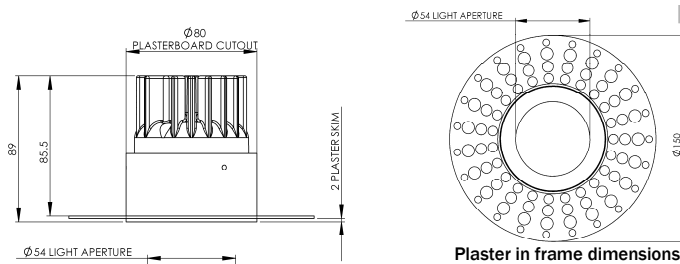
Dimmable and instant on

Shallow Recess (90mm)

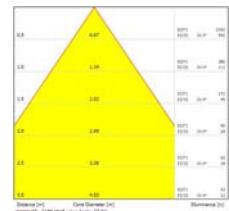
Plaster in frame cut out 80mm with a 2mm plaster skim lip for trimless effect

5 year guarantee

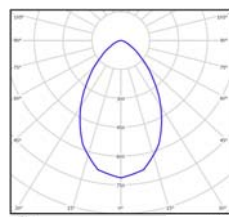
Made in the UK



### Cone 70°



### Beam 70°



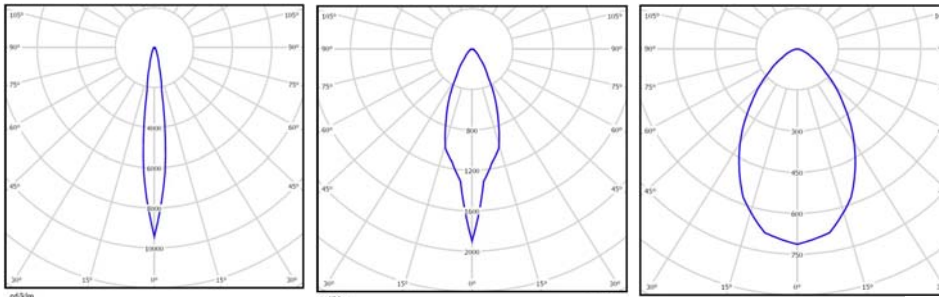
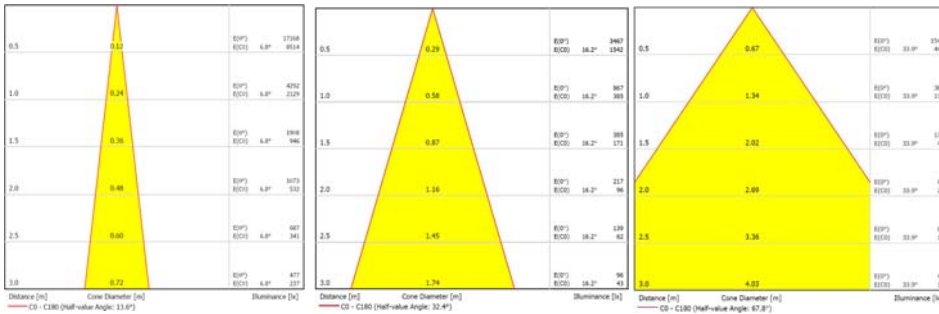
	CS5-Trimless (Performance of 7 LED module driven at 700mA)	CS5-Trimless (Performance of 7 LED module driven at 1000mA)
Luminaire Wattage (excludes mains driver)	6.6W	9.7W
Illuminance comparable to	>60W incandescent >35W Halogen	>80W incandescent >50W Halogen
LED output - Minimum Illuminance Warm 3000K & Neutral 4000K Whites	520 Lumens	670 Lumens
Luminaire output - Minimum Illuminance Warm 3000K & Neutral 4000K Whites (Light Output Ratio LOR)	430 Lumens (LOR 83%)	550 Lumens (LOR 83%)



# CS5 Trimless

Trimless fixed downlighter

## Photometry



12° Beam Angle

30° Beam Angle

70° Beam Angle

PhotonStar Luminaires are Developed and Tested to

the Highest Standards

Compliant with ANSI C78.377-2008 – Chromaticity and binning standard

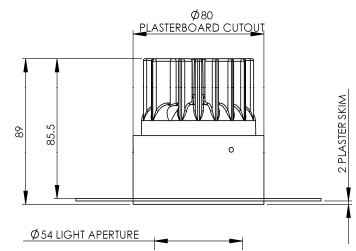
Compliant with IESNA LM-79 – Luminaire testing standard

Compliant with IESNA LM-80 – LED lifetime standard

Compliant with BS EN60598 – Luminaire safety Standard

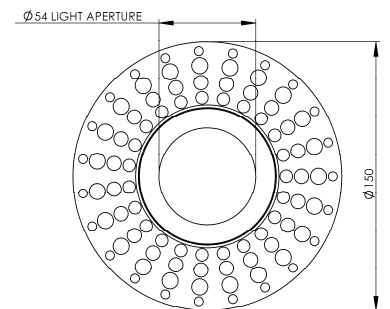
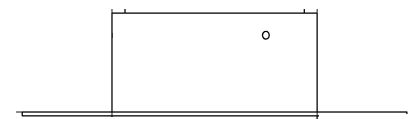
## Ambient Operating Temperature

L70 (lifetime to 70% lumen maintenance) is 50,000 Hrs at 55°C ambient temperature for the 7W unit



2mm plaster skim lip for seamless integration

Plaster in frame dimensions



## Product Options and Ordering

	Power	Colour Temperature	Beam Angle	Bezel colour code
CS5-TL	7W	3000K (WarmWhite)	70° (flood)	BW (Brilliant White)
	or	or	30°	
	10W	4000K (NeutralWhite)	12°	

**Example** An order for CS5-TL-7W-3000K-70-BW would provide a CeilingStar5-trimless, 7W, Warm White (CCT 3000K), Wide flood, Brilliant White bezel finish. The units are connectorised with a 2 way mini-molex plug to ensure correct installation with any of the drivers and wiring looms

## Making Installation Quick and Easy with Pre-made Wiring Looms

In addition there are a range of 'plug and play' multiway wiring looms on a 1.5m spacing. CS5-LOM-x-x is with 2,3 or 4 way and link extenders CS5-EXT-y-y is 2m,5m and 10m allowing up to a total of 30m wiring loom distances.

## Luminaire Driver Units Available

**CS-10W-DVR-ND-1x7W**—10W driver, non dimmable to drive one 7W unit (700mA)

**CS-12W-DVR-TD-1x7W**—12W driver, Trailing Edge dimmable to drive one 7W unit (700mA)

**CS-36W-DVR-ND-4x7W**—36W driver, non dimmable to drive two, three or four 7W units

**CS-36W-DVR-1-10-4x7W**—36W driver, 1-10V dimmable to drive two, three or four 7W units (700mA)

**CS-10W-DVR-ND-1x10W**—10W driver, non dimmable to drive one 10W unit (1000mA)

**CS-40W-DVR-ND-3x10W**—40W driver, non dimmable to drive two or three 10W units (1000mA)

**EMPKCCS-7W**—7W Emergency Lighting Pack available with NiMH battery back up— no cadmium

**EMPKCCS-10W**—10W Emergency Lighting Pack available with NiMH battery back up— no cadmium

LEDs supplied by  
**CREE**

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The Lighting Association