



CS10

Ultra Low Glare fixed Downlighter

The innovative CeilingStar10 range can be used in residential and commercial new builds, refurbishments or retrofit. The CeilingStar10-7W (8 circuit Watts) is an energy efficient and zero maintenance light fitting which is a superior replacement for 1 x 13W compact fluorescent (CFL) ceiling downlighters or 60W Incandescent downlighters. The CeilingStar10-10W (12 circuit Watts) is an energy efficient and zero maintenance light fitting which is a superior replacement for 1 x 18W compact fluorescent ceiling downlighters or 80W Incandescent downlighters.

It conforms to EU 'A' energy rating and is a dedicated UK building regulations Part L fitting when used with the supplied power supply unit (PSU). Dimmable versions of the PSU are also available. The CeilingStar10-7W (8 Circuit Watts) offers 55 Luminaire Lumens per circuit Watt and >46 Luminaire Lumens per circuit Watt for the 10W unit. (12 Circuit Watts) making it up to 40% more energy efficient than the CFL downlighter and 80% more efficient than the incandescent solution.

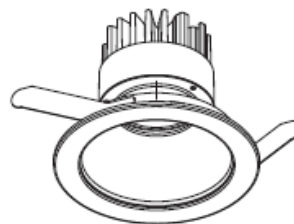
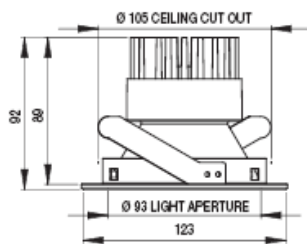
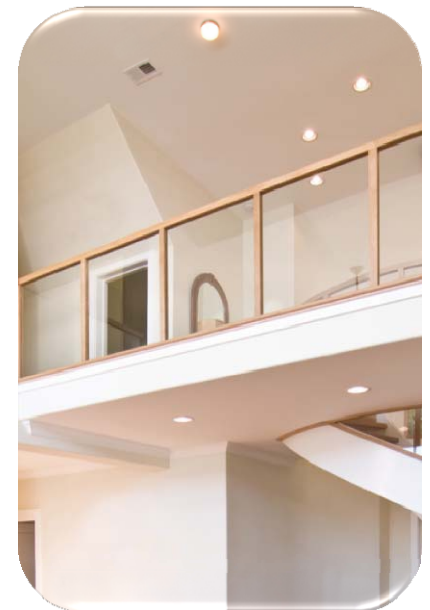
Product Features

- A maintenance free recessed low glare downlighter
- 50,000 hours operational life at high ambient temperatures
- 80% energy saving compared to halogens
- 40% energy saving compared to low energy fittings
- Compliant with EU 'A' energy rating
- Exceeds UK Part L1 and L2 - 46-55 Luminaire Lumens per Circuit Watt
- 50 degree cut off and low glare (Unified Glare Rating (UGR) of 16)
- IP20
- Dimmable and instant on
- Compatible with building control systems
- Cut out 105 mm
- 5 year guarantee
- Made in the UK

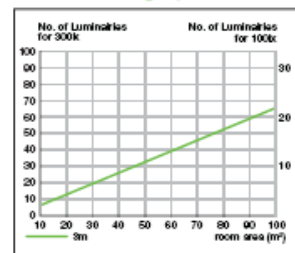
Bezel Colour



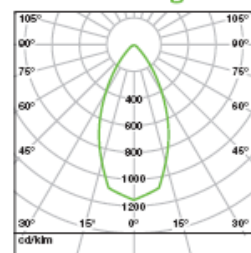
Matt White



No. of Fittings per Room



50° Cut off Angle



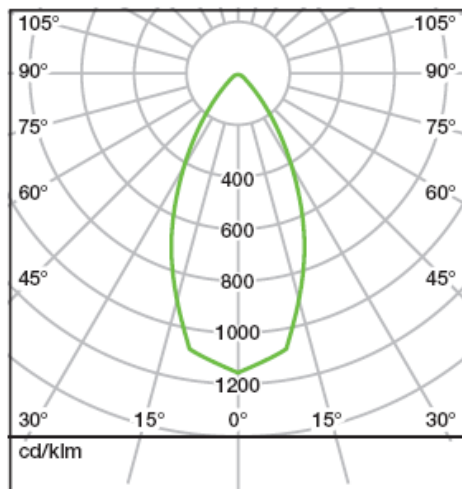
	CS10 (Performance of 7 LED module driven at 700mA)	CS10 (Performance of 7 LED module driven at 1000mA)
Luminaire Wattage (excludes mains driver)	6.6W	9.7W
Illuminance comparable to	>1x 13W CFL >35W Halogen	>1x 18W CFL >50W Halogen
LED output - Minimum Illuminance 3000K/4000K/6500K	520/520/620 Lumens	670/ 670/800 Lumens
Luminaire output - Minimum Illuminance 3000K/4000K/6500K (Light Output Ratio LOR)	405/405/505 Lumens (LOR 81%)	520/520/650 Lumens (LOR 81%)



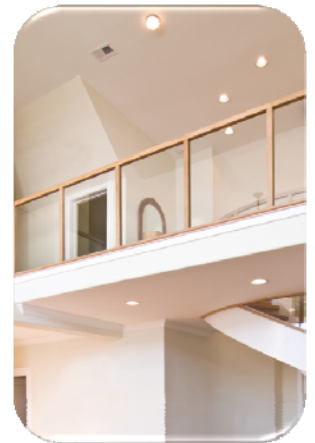
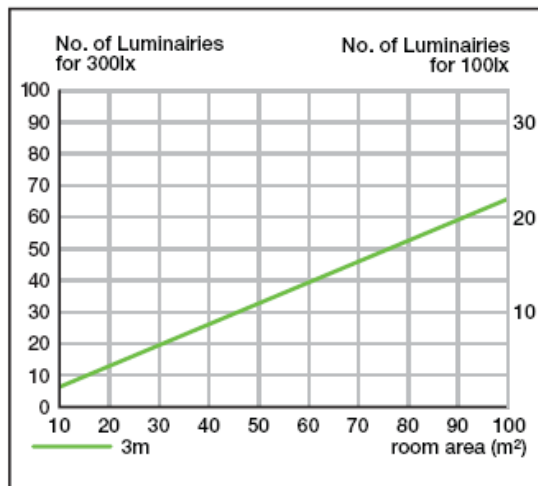
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Photometry



50° Cut off 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
- Photometry – .IES files are available upon request



Ambient Operating Temperature

L70 (lifetime to 70% lumen maintenance) is 50,000 Hrs at 55°C ambient temperature for the 7W unit and 45,000Hrs at 45°C ambient for the 10W unit.

Product Options and Ordering

	Power	Colour Temperature	Beam Angle	Bezel colour code
CS10	7W or 10W	3000K (WarmWhite) or 4000K (NeutralWhite) Or 6500K (CoolWhite)	50° Cut off UGR16*	MW (Matt White)

Example An order for CS10-7W-3000K-50-MW would provide a CeilingStar10, 7W, Warm White (CCT 3000K), Wide flood with a Matt 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. CS10-LOM-x-x is with 2,3 or 4 way and link extenders CS10-EXT-y-y is 2m,5m and 10m allowing up to a total of 30m wiring loom distances.

Luminaire Driver Units Available

CS-12W-DVR-ND-1x7W –12W 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 (700mA)

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