

Fireproof Downlight



LED IP20/IP65 IK06 CLASS II CE UK CA

Product information

TUNGSRAM introduces new range of Fireproof Downlight. The fit of our Fireproof Downlight is almost flush with the ceiling, making the downlight look more aesthetically-pleasing, whilst we offer 3 different color of bezels making the luminaire more discreet in your interior surface. Special fire rated downlights have a rating up to IP65, making them resistant both water- and dust. This range offers all the benefits of LED lighting to the customers – fresh light quality, longer service lifetime, reduced energy consumption and less maintenance.

Features

- 30000 hours lifetime (L70/B50)
- Nominal Voltage: 220-240V
- Operating frequency: 50/60Hz
- Dual switch color temperatures: 3000K (W) or 4000K (C)
- Color rendering index: CRI 80+
- Beam angle: 36°
- Operation temperature: -10°C to +35°
- Samsung LED chip
- Energy class: G
- Available in IP20 adjustable or IP65 fix version
- Compatible with most Triac / leading edge dimmers*
- Simple recessed mounting in the ceiling
- Loop in loop out connectivity
- Up to 80% energy saving compared to Halogen solutions
- Ideal replacement for Halogen spotlights
- High luminous efficacy up to 84 lm/w
- Tilting head to adjust light beam where needed +/- 13°
- Affordable solution for retrofit or new installations
- Reduced replacement and maintenance costs
- Healthy – UV-free & IR-free list of compatible dimmers is available at our website

Application areas



General lighting



Household



Office



Education



Hotel

Specification summary

Parameters below are the same for all luminaires in the range:

Light Technology used	LED
Light source	Non-removable
Mains / Non-mains	Mains light source
Directional / Non-directional	Directional
Colour-tuneable	No
Anti-glare shield	No
Correlated color temperature (CCT)	3000K & 4000K
Colour rendering index (CRI) (Ra) min	80
R9 colour rendering index value	0
SDCM (Standard Deviation or Color Maintenance)	≤4
Beam angle	36°
Flicker metric	≤1
Stroboscopic effect metric	0,5

Input Voltage & Frequency	220-240V(AC), 50/60Hz
Power factor	≥0,8
Displacement factor	0,8
Lifetime (L70B50)	30.000
Survival factor at 3000h	1
Lumen maintenance at 3000h	0,96
Ingress protection (IP)	IP20, IP65
Protection Class	Class II
Color of Housing	White Sprayed
UGR	<15

Parameters below are specific for each of the product codes:

Product code	Description	ELECTRICAL DATA				PHOTOMETRICAL DATA			DIMENSIONS & WEIGHTS	
		Luminaire power (W)	Light source On-mode power (W)	"Luminaire input current (mA)"	Dimmable	Luminaire lumen (lm)*	Light source Useful lumen (90°) (lm)*	Luminaire Efficiency (lm/W)*	Dimensions (DxH) (mm)	Product weight (kg)
STANDARD - STATIC RANGE										
93108712	Fireproof Downlight G1 TU IP65 5W F W	5	5	33	No (Static)	380 & 420	325 & 360	76 & 84	85x70	0,176
93108714	Fireproof Downlight G1 TU IP20 5W R W	5	5	33	No (Static)	380 & 420	325 & 360	76 & 84	85x70	0,176
ACCESSORIES										
93113204	Bezel for IP20 Fireproof DLR Chrome	18	15,1	33	80	2100	1800	117	185x63	0,250
93113205	Bezel for IP20 Fireproof DLR Nickel	18	15,1	33	80	2100	1800	117	185x63	0,250
93113206	Bezel for IP65 Fireproof DLR Chrome	22	19,9	33	103	2700	2300	123	230x63	0,380
93113207	Bezel for IP65 Fireproof DLR Nickel	22	19,9	33	103	2800	2400	127	230x63	0,380

* depending on the color temperature (3000K & 4000K)

**accessories to be ordered separately - pack quantity is 10pcs

Energy efficiency class (A-G)*

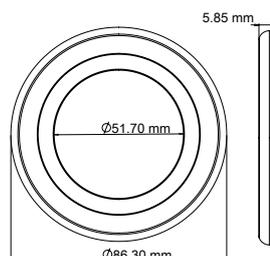
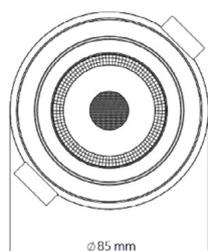
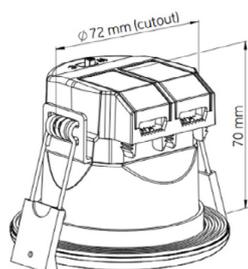


Dimensions (mm)

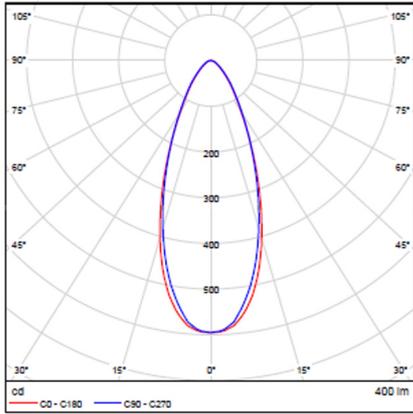
Cutout dimension: Ø72 mm

Ceiling thickness: 5-15 mm

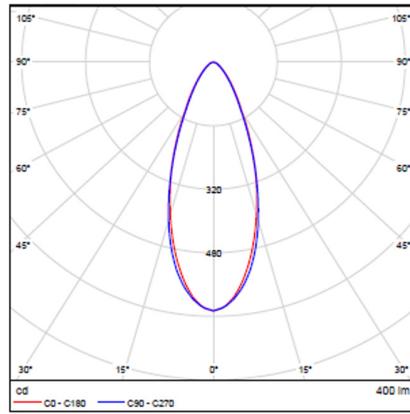
5W mode



Photometric data



5W 3000K mode



5W 4000K mode

Photometry is based on LM79

Ordering information

Internal Code	Generation	Brand	IP rating	System Wattage	Diffuser	Color
Fireproof Downlight	G1 - Generation 1	TU - Tungsram	IP20 IP65	5W	F - Fixed R - Rotatable	W - White Sprayed

Example: Fireproof Downlight G1 TU IP65 5W F W

Fireproof G1 Downlighter with IP65 rating, 5W system wattage, fixed diffuser and white color

Regulatory and standards

Regulatory mark: CE, UKCA, Morocco

Regulations: 2014/35/EU, 2014/30/EU, 2011/65/EU, (framework 2009/125/EC) EU 2019/2020, (framework EU/2017/1369) EU 2019/2015*

Harmonized standards: EN 60598, EN 62493, EN 61547, EN55015, EN 61000, look for CE Declaration of Conformity and Technical File for details

Photobiological risk assessment is maximum group 1. The product is considered safe, does not pose any photobiological hazard

*not on DOC