



**A++**  
energy class

**109**  
lumens/watt

## COB Downlight IP54

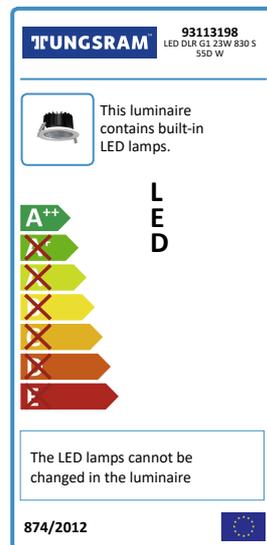
LED DLR G1 23W 830 S 55D W  
93113198

### Product information

The new Tungsram IP54 Downlight range with traditional deep reflector (UGR<19) provides the perfect combination of high efficiency, comfortable lighting and design, without compromising on light performance (colour rendering and colour uniformity). Due to the interchangeable optics (24°, 36°, 55° beam angle) it offers a wide choice of options for creating the desired ambience. IP54 range is designed for general lighting applications in offices, supermarkets, shops, schools, hotels, etc. It is also widely used for public areas, such as stairways, lobbies, receptions.

#### Benefits

- High luminous efficiency
- High energy savings up to 70% when compared with conventional CFL fixtures
- Easy installation and maintenance
- Affordable solution for retrofit or new installations



### Product data

Product code	93113198
Description	LED DLR G1 23W 830 S 55D W
DIALux description	TUNGSRAM - COB Downlight IP54 - 2500lm - 23W - 3000K - 85CRI - 93113198[SKU] - Recessed
Brand	TUNGSRAM
Product category	Downlighters
Product family	COB Downlight UGR<19 IP54
Application areas	Office, Retail, Public buildings
DUN Code	15994100030147
Light source	LED
Sensor	No sensor
Emergency option	No EM
Mounting type	Recessed
Weight [kg]	0,71
Body color	White RAL9016
Product dimensions (Length) x (Width) x (Height) [mm]	Dia 172 x Dia 172 x 90
Operating temperature min [°C]	-20
Operating temperature max [°C]	40
Rated ambient temperature (tq) [°C]	25
Cooling	Passive
Certifications	CE
General warranty [year]	5

## Performance data

System power [W]	23
Nominal luminous flux [lm]	2500
Rated efficacy [lm/W]	108,695652173913
Rated life L70/B50 [h]	70000
Rated life L80/B20 [h]	50000
IP front (optical)	54
IP back (electrical)	40
IP Rating	54
Impact resistance (IK)	IK06
Energy efficiency class (EEC)	A++

## Photometrical data

Photometric distribution	Wide Flood
Nominal correlated colour temperature (CCT) [K]	3000
Colour rendering index (CRI) [Ra]	$\geq 85$
Nominal beam angle [°]	55
UGR value (4H8H)	18
Colour consistency in MacAdam steps SDCM	$\leq 6$
Photobiological risk	RG1

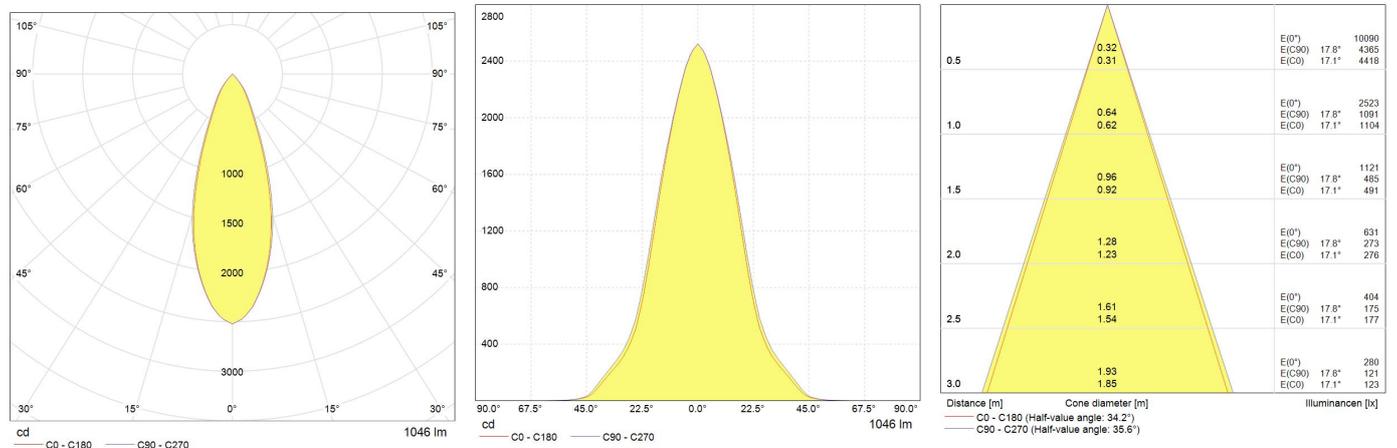
## Electrical data

IEC protection class	Class II
Operating voltage [V]	220-240V
Rated frequency or frequency range [Hz]	50/60Hz
Lamp input current [mA]	107
Nominal lamp power factor	$\geq 0.9$
Controllability	Static

## Logistic data

Box quantity	1
Shipment	Standard
Product status	Available
Accessory	lens and reflector

## Light distribution



## Downloads & Links

[Go to the catalog site \(HTTP\)](#)

[Datasheet \(PDF\)](#)

[Installation guide \(PDF\)](#)

[Images \(HTTP\)](#)

[DoC documents \(PDF\)](#)

[Datasheet \(FR\) \(PDF\)](#)