

# LED Diffuser Downlight IP44



## Product information

Tungsrang introduces the IP44 LED Diffuser Downlighters. There are a selection of sizes and colour temperature options to meet customer requirements. With this new range, lighting can be upgraded in key segments such as offices, commercial buildings, retail back of house areas and hospitality.

## Benefits

- Direct replacement for compact fluorescent lamp downlights
- Over 60%+ energy saving compared to luminaires that use CFL PL lamps
- Affordable solution for retrofit or new installations
- Reduced replacement and maintenance costs
- Easy installation with fast connection

## Fixture structure

- Integrated polycarbonate reflector and white aluminum housing for good heat dissipation
- 1 to 2.5 mm<sup>2</sup> hard wire for easy connection
- Wire spring leaf for secure installation

## Features

- High efficiency: up to 125lm/W
- 50 000 hours lifetime at 25°C (L70/B50)
- Nominal Voltage: 220-240V
- Operating frequency: 50-60Hz
- 3 colour temperatures: 3000, 4000 and 6000K
- Colour rendering index: CRI 80+
- Beam angle: 100
- Operation temperature: -20°C to 40°C
- Luminaire storage: -40°C to 60°C

## Application areas



Retail



Hospitality



Office



General illumination



Stairways, corridors

- Toiletes, bathrooms, kitchens

## Specification summary

Product Description	Product Code	Wattage (W)	Lumen (lm)	CCT (K)	System Efficiency (lm/W)	Dimensions (mm)	IP	Beam angle (°)	Rated life L70/B50 [h]	CRI	Operating temperature [°C]	Energy efficiency class (EEC)
Diffuser Downlight IP44 - Static driver												
LED Downlight D1 TU 6 IP44 12W 830 S	93119563	12	1400	3000	117	Ø185x63	44	100	50 000	80+	-20°C - +40°C	A+
LED Downlight D1 TU 6 IP44 12W 840 S	93119562	12	1500	4000	125	Ø185x63	44	100	50 000	80+	-20°C - +40°C	A+
LED Downlight D1 TU 6 IP44 18W 830 S	93109216	18	1 700	3000	94	Ø185x63	44	100	50 000	80+	-20°C - +40°C	A+
LED Downlight D1 TU 6 IP44 18W 840 S	93109217	18	1 850	4000	103	Ø185x63	44	100	50 000	80+	-20°C - +40°C	A+
LED Downlight D1 TU 6 IP44 18W 860 S	93109218	18	1 850	6000	103	Ø185x63	44	100	50 000	80+	-20°C - +40°C	A+
LED Downlight D1 TU 8 IP44 25W 830 S	93109220	25	2 500	3000	100	Ø230x63	44	100	50 000	80+	-20°C - +40°C	A+
LED Downlight D1 TU 8 IP44 25W 840 S	93109221	25	2 800	4000	112	Ø230x63	44	100	50 000	80+	-20°C - +40°C	A+
LED Downlight D1 TU 8 IP44 25W 860 S	93109222	25	2 800	6000	112	Ø230x63	44	100	50 000	80+	-20°C - +40°C	A+

# Regulatory and standards

Regulatory mark: CE, UKCA

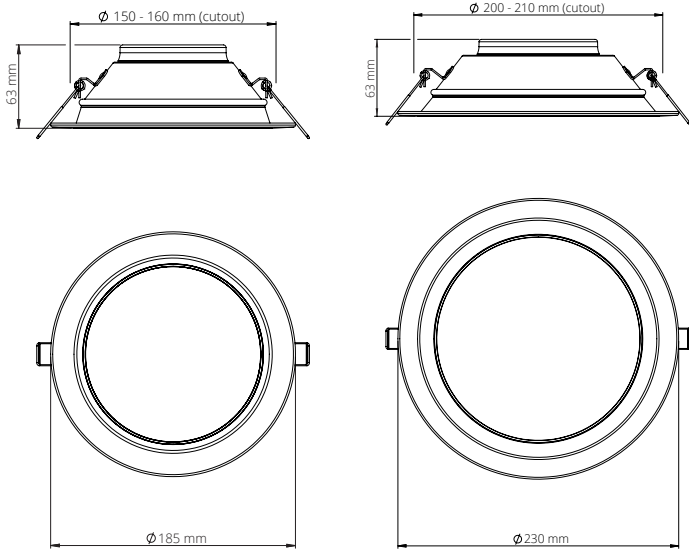
Regulations: 2014/35/EU, 2014/30/EU, 2011/65/EU, (framework 2009/125/EC) EU/1194/2012 amended by EU 2015/1428, (framework 2010/30/EC) 874/2012 and 518/2014\*, 2012/19/EU\*

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

Photobiological risk assesment group 0. The product is considered safe, does not pose any photobiological hazard

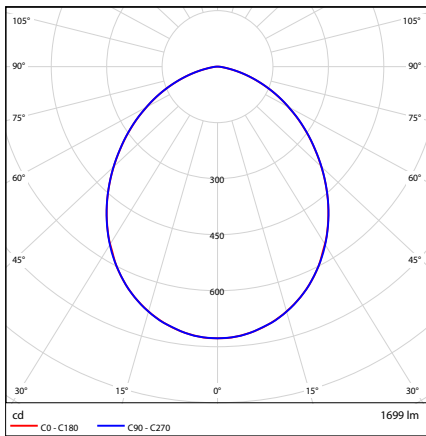
\*not on DOC

## Dimensions

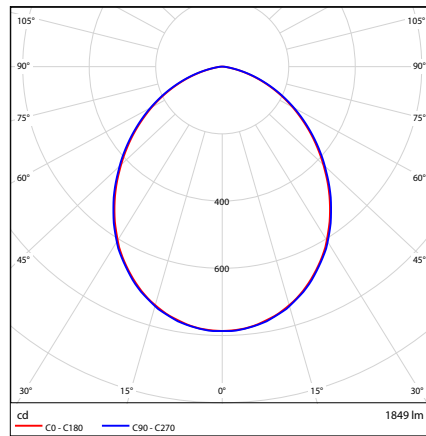


Size	Outer Diameter (mm)	Height (mm)	Cut-out hole (mm)	Weight (g)
6"/150-160mm	185	63	150-160	250
8"/200-210mm	230	63	200-210	380

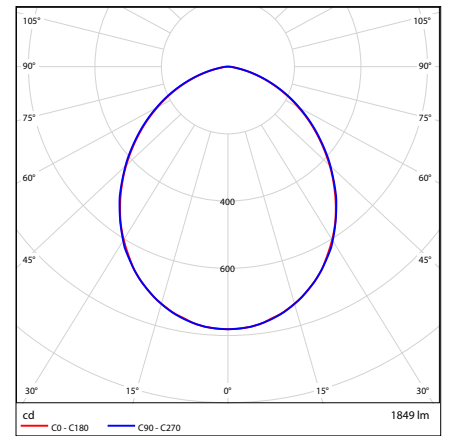
## Photometric data



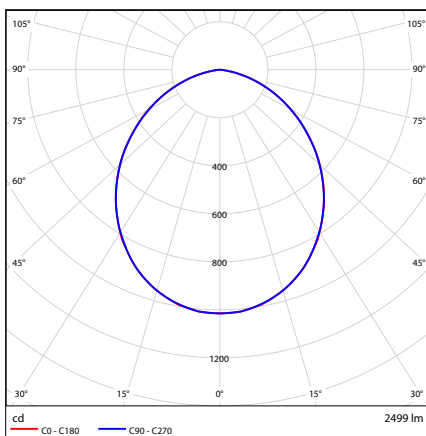
6 inch - 18W 3000K



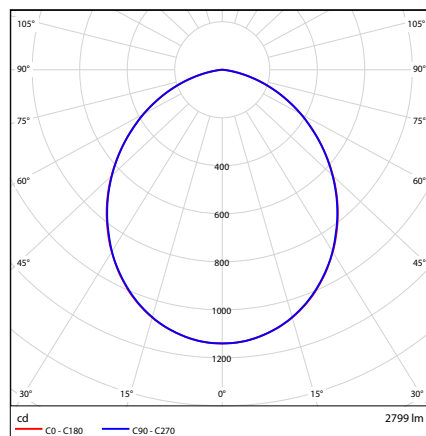
6 inch - 18W 4000K



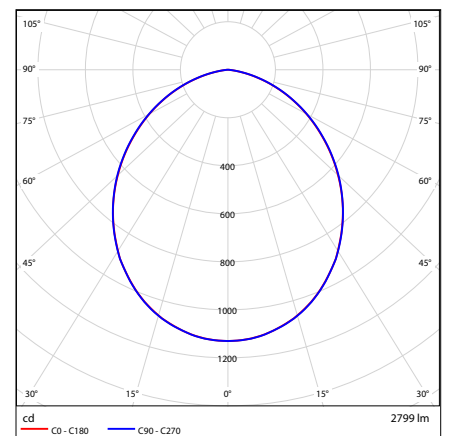
6 inch - 18W 6000K



6 inch - 18W 3000K



6 inch - 18W 4000K



6 inch - 18W 6000K

Only for indicative purpose. For lighting design, please use the ldt photometry files available for the products.

## Ordering information

Internal Code	Range	Generation	Brand	Size (diameter)	IP rating	System Wattage	CRI	CCT	Controller	Shipment
LED Downlight	D - Diffuser	1 - Generation 1	TU - TUNGSRAM	6 - 6" inch	IP44	12W	8 - 80 CRI	30 - 3000K	S - Static	DS - Direct Shipment
				8 - 8" inch		18W		40 - 4000K		
						25W		60 - 6000K		

**Example:** LED Downlight D1 TU 6 IP44 18W 830 S -  
*IP44 Diffuser Downlight, white 6 inch diameter, 18W, 3000K, 220-240V with remote static driver*

