

# LED Diffuser Downlight IP44



DATA SHEET



## 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
- Healthy – UV-free & IR-free

## 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 112lm/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
- Remote static driver, compatible with Tungsrang EM converter Kit

## Application areas



Retail



Hospitality



Office



General illumination



Stairways, corridors

- Toilets, bathrooms, kitchens

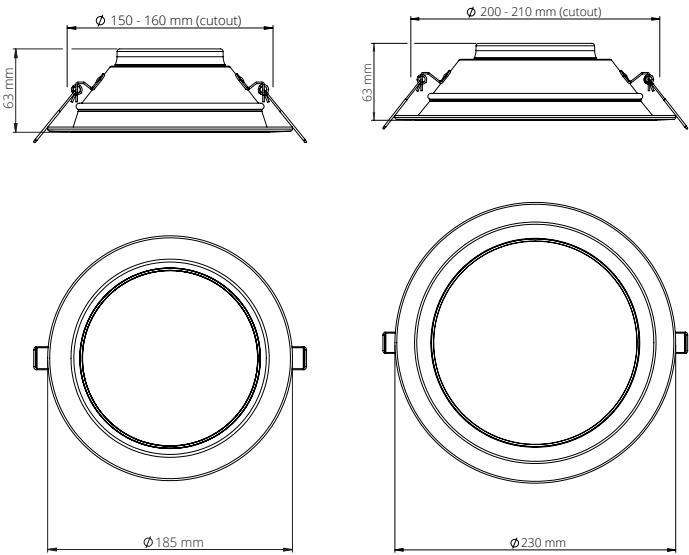
## Specification summary

Product Code	Product Code (DS)	Product Description	Wattage (W)	Lumen (lm)	Efficacy (lm/W)	Nominal Current (mA)	Power Factor	THD	CCT (K)	Rated life (h) (L70)	IP rating	EEC	Repl. for CFL Plug-in	Dimm.
93109216	TBD	LED Downlight D1 TU 6 IP44 18W 830 S	18	1700	94	96	>0.9	<30%	3000	50000	IP44	A+	2*26W/ 1*32W	No
93109217	93112597	LED Downlight D1 TU 6 IP44 18W 840 S	18	1850	103	96	>0.9	<30%	4000	50000	IP44	A+		No
93109218	93109219	LED Downlight D1 TU 6 IP44 18W 860 S	18	1850	103	96	>0.9	<30%	6000	50000	IP44	A+		No
93109220	TBD	LED Downlight D1 TU 8 IP44 25W 830 S	25	2500	100	134	>0.9	<30%	3000	50000	IP44	A+	2*32W/ 1*42W	No
93109221	93112598	LED Downlight D1 TU 8 IP44 25W 840 S	25	2800	112	134	>0.9	<30%	4000	50000	IP44	A+		No
93109222	93109223	LED Downlight D1 TU 8 IP44 25W 860 S	25	2800	112	134	>0.9	<30%	6000	50000	IP44	A+		No

# Regulatory and standards

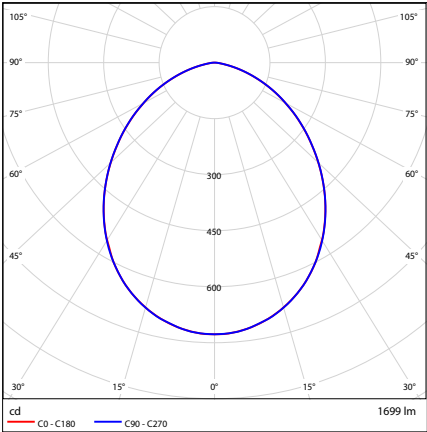
Regulatory mark: CE  
Regulations: 2014/35/EU, 2014/30/EU, 2011/65/EU, (framework 2009/125/EC) EU/1194/2012 amended by EU 2015/1428, (framework 2010/30/EC) 874/2012 and 518/2014\*, 2012/19/EU\*  
Harmonized standards: EN 60598, EN 62493, EN 61547, EN55015, EN 61000,  
look for CE Declaration of Conformity 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

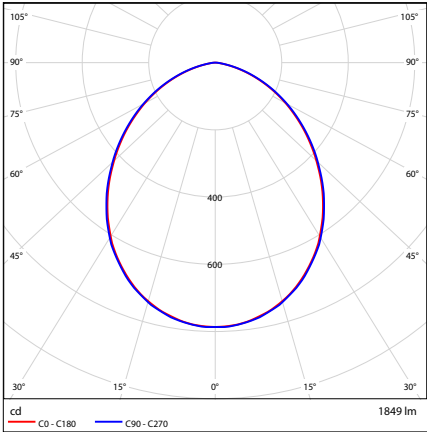


Size	Outer Diameter (mm)	Height (mm)	Cut-out hole (mm)	Weight (g)
6"/150-160mm	185	63	150-160	250
8"/200-210mm	230	63	200-210	340

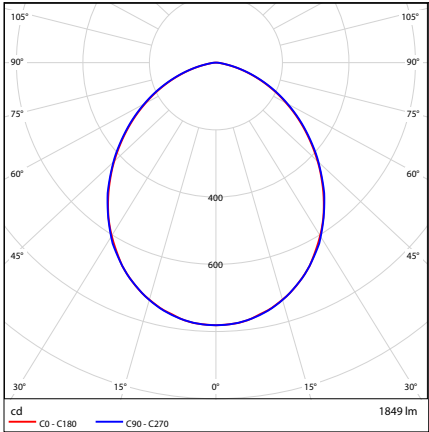
## Photometric data



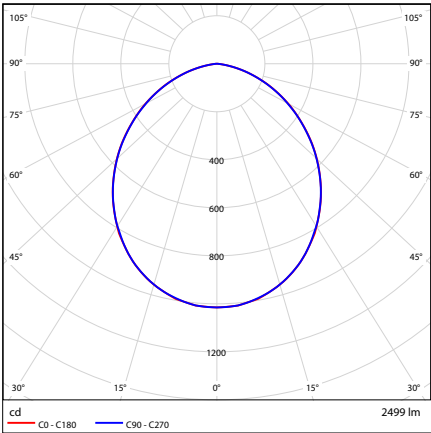
6 inch - 18W 3000K



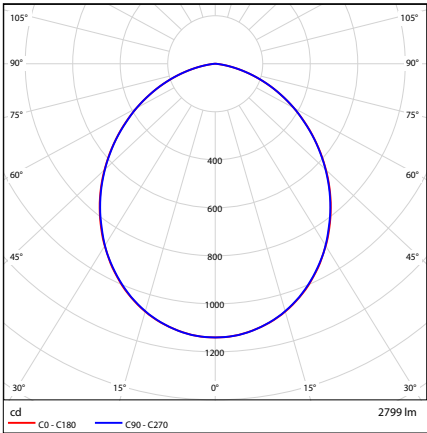
6 inch - 18W 4000K



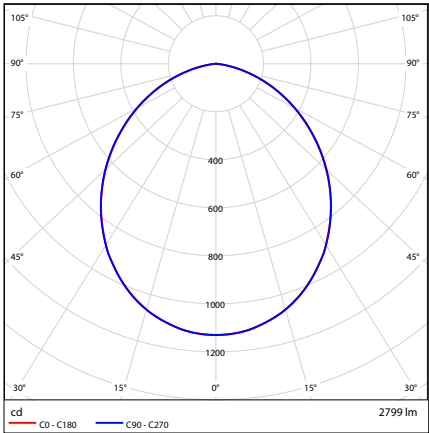
6 inch - 18W 6000K



6 inch - 18W 3000K



6 inch - 18W 4000K



6 inch - 18W 6000K

## 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	18W 25W	8 - 80 CRI	30 - 3000K	S - Static	DS - Direct Shipment
				8 - 8" inch				40 - 4000K		
								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*

