



**TDE-lighttech**  
illuminating creativity

# Moodspot WD800



TDE-lighttech has developed a new LED spot to complement the existing Moodspot range. Moodspot WD800 incorporates Warm Dimming technology, allowing you to gradually emit a warmer light when dimming down from 3000K~2000K. Due to the high-efficient LED driver technology, the Moodspot WD800 is capable of dimming smoothly and flicker free all the way down to 0%, replicating everything you love about traditional halogen style dimming, with all the energy saving and longevity benefits LED lighting has to offer. The Moodspot WD800 offers an excellent CRI of 95 which ensures vivid colours and realistic skin tones.

## Features



**Warm Dimming**  
3000K-2000K

**High CRI**  
CRI>95

**Perfect dimmable**  
100-0%

**Lifespan**  
50.000+ hours

## Technical specifications

<b>LED</b>	Colour temperature: Colour rendering: Colour variation: Lumen output	3000K~2000K Ra > 95 / R9 > 90 2 MacAdam Ellipse 800 lumen (3000K)
<b>Power</b>	Maximum forward voltage: Maximum current: Consumption:	36VDC CLASS 2 INPUT ONLY 300mA 10 Watt
<b>Accessories</b>	Housing: Flange colours:	Downlight Fixed / Downlight Adjustable / Trackspot White / Black
<b>Miscellaneous</b>	Material: Lifespan: Lenses: IP-Rating: Certifications:  Trackspot adapter: Warranty:	Aluminium + PMMA > 40.000 hour L80 [10K] 15° / 24° / 36° / 60° IP20 cMETus - E114112 Glow-wire test 2033673.01  3-phase 5 years
<b>Control</b>	External driver options downlight: External driver options Trackspot:	Mains dimmable / DMX512 / IZI-Link Mains dimmable

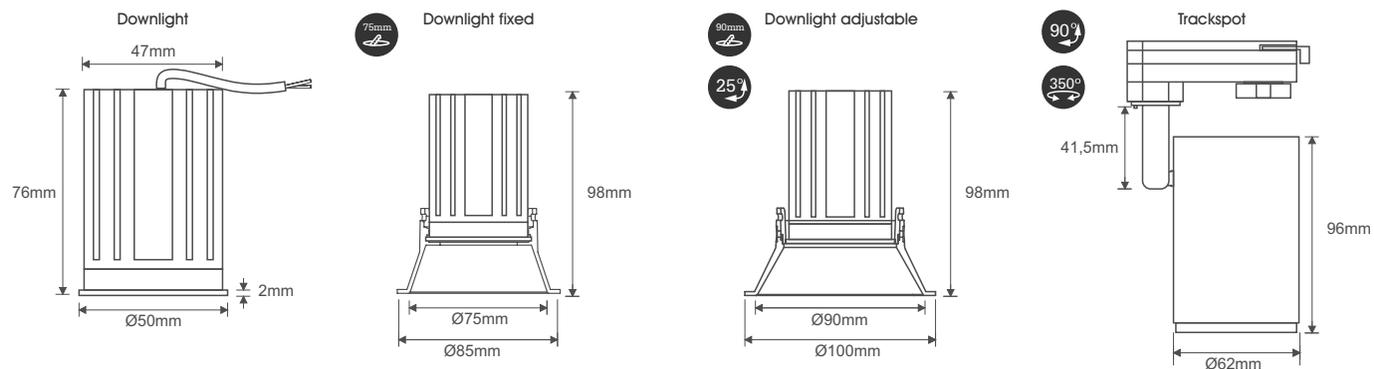




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## Dimensions



## Order Code

MRMO.B.8.WD.24 - MR16 Moodspot WD800; 24°; no driver  
MRTR.B.8.WD.24 - Track 3-ph spot WD800; 3000K~2000K; 230V; 24°; Black  
MRTR.W.8.WD.24 - Track 3-ph spot WD800; 3000K~2000K; 230V; 24°; White

## Order Code Accessoires

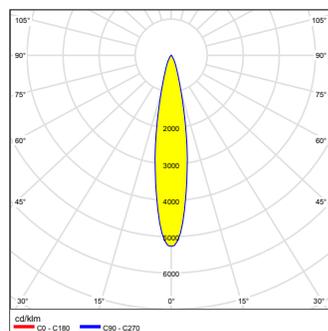
NM-D-90W - Housing WD800 recessed White; Adjustable \*  
NM-D-90B - Housing WD800 recessed Black; Adjustable \*  
NM-D-75W - Housing WD800 recessed White; Fixed\*  
NM-D-75B - Housing WD800 recessed Black; Fixed\*

WD800.15 - Lens 15° for WD800  
WD800.24 - Lens 24° for WD800  
WD800.36 - Lens 36° for WD800  
WD800.60 - Lens 60° for WD800

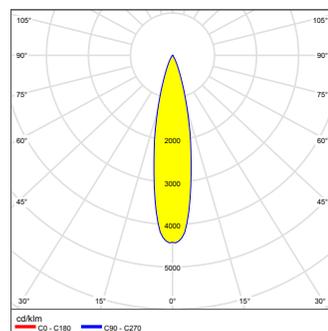
\* Other colours available on special request

## Photometric data

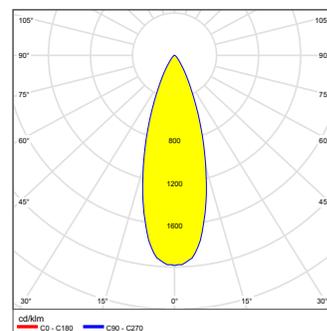
Polar chart 13° optic



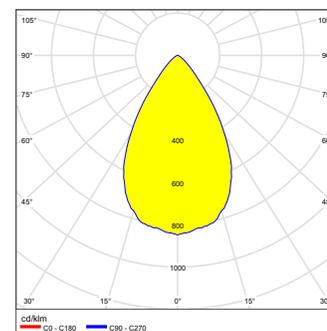
Polar chart 24° optic



Polar chart 36° optic

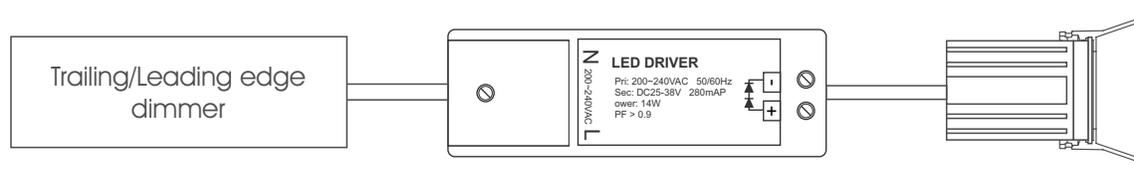


Polar chart 60° optic





## Mains dimmable driver (Option 1)



## External constant current driver (Option 2)

Specially designed drivers have been developed to ensure flickerfree dimming and unique features in dimming range up to 0%. Check out our website for more information about suitable LED drivers.

Use min 90°C supply conductors when connecting to the WD800 led spot.

Only use power supplies which can deliver a constant current of no more than 300mA and with a minimum forward voltage of 40VDC

The WD800 led spot is prepared with a two wired cable.

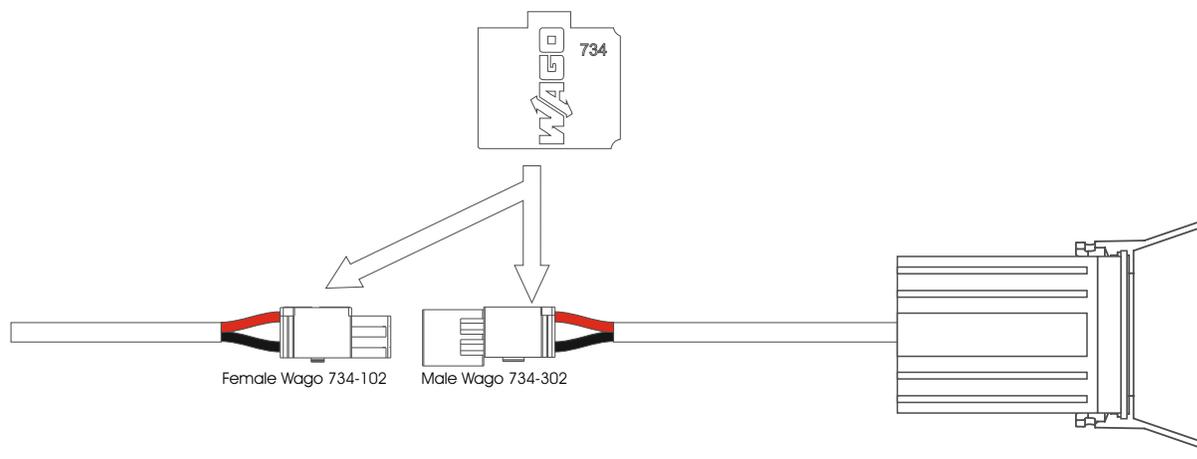


### CAUTION:

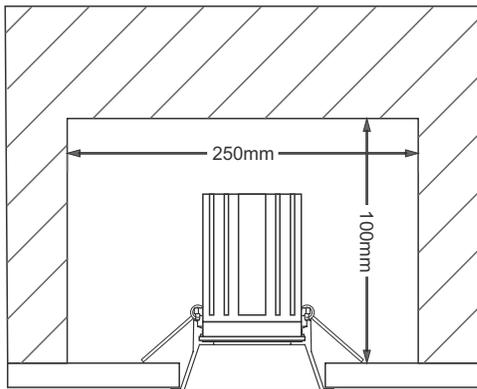
To prevent the risk of fire/electric shock use only a LISTED/CERTIFIED Class 2 LED driver

## Connector connection

The WD800 does not come supplied with a connector. A connector set can be supplied on request. When supplied with a connector set, connection will be as followed:



## Minimum Spacings downlight



Luminaire not suitable for covering  
with thermal insulating materials.  
Allow air to flow freely around fixture.