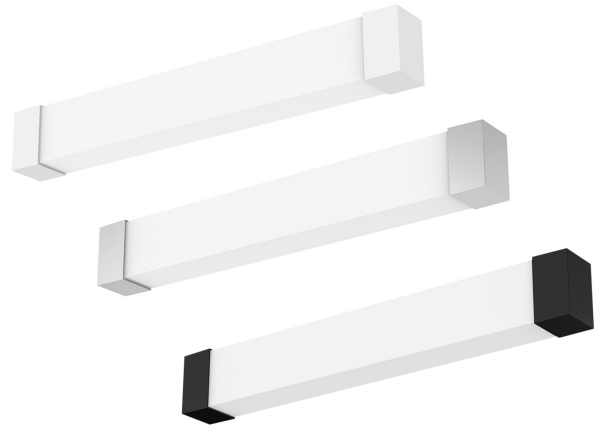


# TUNGSRAM MIRROR LIGHT



## Product information

Tungstram Mirror Light range offers a great solution in bathrooms, lavatories, swimming pools.

The fixtures are available in two lengths. The color temperature of the lamps can be easily modified with a built-in CCT select switch, to give a great lighting experience for any application.

For better energy saving, the luminaires are also available with a built-in microwave motion sensor.

## Application areas



Office



Public building



Hospitality

## Key features

- Power: 8W & 10W
- Control: Static control
- Efficiency: Up to 110lm/W
- Luminous flux: up to 1100lm
- Selectable CCT: 3000K/4000K/5700K
- Lifetime: 50.000 hours @ L80/B20
- 5 years warranty for the non-sensor models / 3 years for the sensor types
- IP44
- IK06
- Microwave Sensor Option
- Flicker free Driver
- Available with white (RAL9016) endcap color by default.
- Optional accessories: Silver Endcap (RAL9006) / Black Endcap (RAL9005)
- Operating temperature between -20°C and +45°C

## Specification summary

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

Light Technology used	LED
Light source	Non-replaceable light source
Mains / Non-mains	Non-mains Light source
Directional / Non-directional	Non-directional
Colour-tuneable	No
Anti-glare shield	No
Correlated color temperature (CCT)	Switchable: 3000K / 4000K / 5700K
Color rendering index min. (CRI)	80
R9 colour rendering index value	14 / 27 / 20
SDCM (Standard Deviation or Color Maintenance)	≤6
Beam angle	140°
Flicker metric	≤1
Stroboscopic effect metric	≤0.4

Input Voltage & Frequency	220-240VAC, 50/60Hz
Power factor	0,9
Displacement factor	≥0.5
Standby power	0W
Lifetime (L80B20)	50000h
Survival factor at 3000h	1
Lumen maintenance at 3000h	96%
Ingress protection (IP)	IP44
Impact protection (IK)	IK06
Color of Housing	White
Materials (housing)	PC

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)	Lightsource input voltage (V (DC))	Lightsource input current (mA)	Dimmable	Luminaire lumen (lm)	Light source Useful lumen (360°) (lm)	Luminaire Efficiency (lm/W)	Dimensions (LxWxH) (mm)	Product weight (kg)
<b>STATIC RANGE</b>											
93120945	Tung Mirror Light 450 8W 80 S W	8	8	36	554	No (Static)	800	800	100	450x85x58	0,6
93120988	Tung Mirror Light 600 10W 80 S W	10	10	134	393	No (Static)	1100	1100	110	600x85x58	0,7
<b>STATIC with Sensor</b>											
93120991	Tung Mirror Light 450 8W 80 MS W	8	8	71	246	No (Static)	800	800	100	450x85x58	0,6
93120994	Tung Mirror Light 600 10W 80 MS W	10	10	67	725	No (Static)	1100	1100	110	600x85x58	0,7
<b>ACCESSORIES</b>											
93121437	Tung Mirror Light Endcap Black	-	-	-	-	-	-	-	-	-	-
93121438	Tung Mirror Light Endcap Silver	-	-	-	-	-	-	-	-	-	-

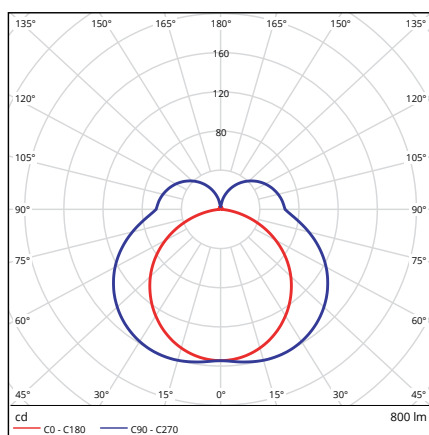
## Energy efficiency class (A-G)\*



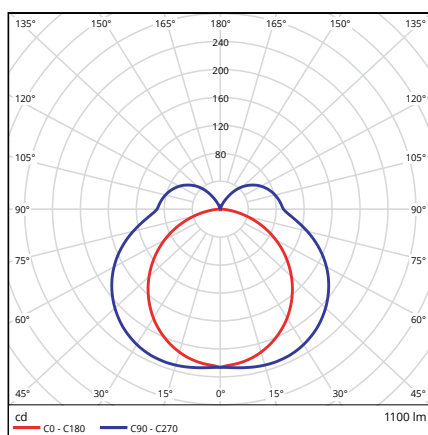
93113210	93113213
93113211	93113216

\*according to regulation 2019/2015

## Photometric distribution



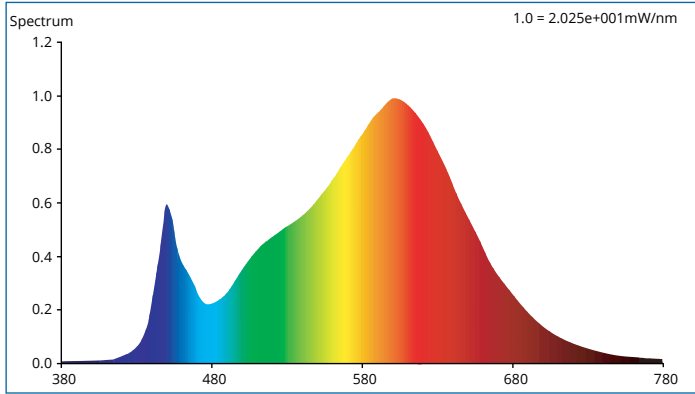
450mm 8W



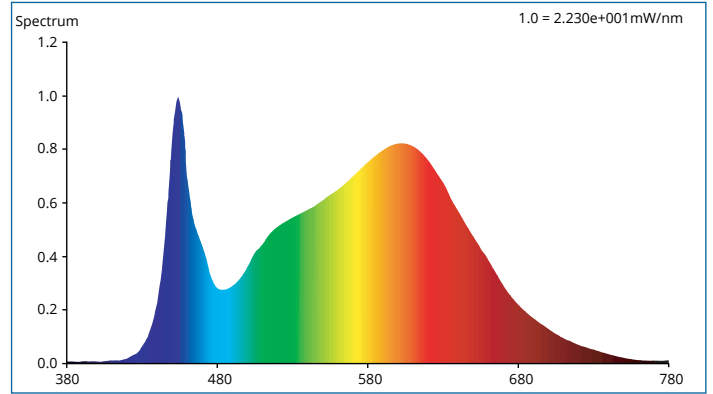
600mm 10W

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

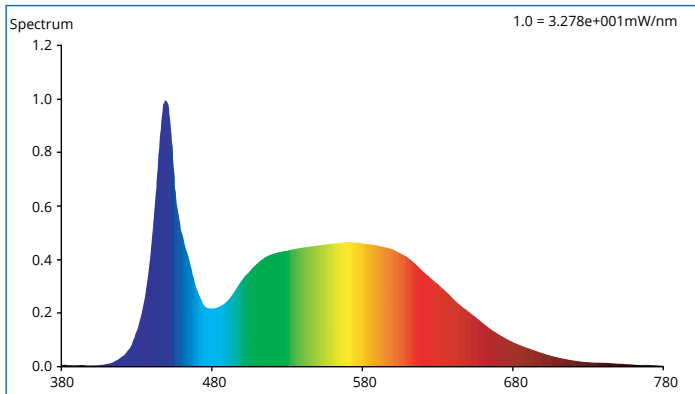
# Spectral power distribution



10W 3000K



10W 4000K



10W 5700K

# Daylight & Microwave Sensor

## Sensor Setting:

### Detection area:

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application.

Notice 1: The test is based on a height of 3m, the radius is the ground detect distance, which can be selected through the slide switch.

Notice 2: The detective range is measured by human body whose stature is around 1.6-1.7M with medium size and traveling speed is around 1.0-1.5M per second. If the stature, bodily form and traveling speed are changed, then the detective range will be changed accordingly.

Notice 3: Test result will be highly influenced by test environment, the more open environment, the closer detect distance; the narrower environment, the longer detect distance. The detector may do self-excitation in a narrow environment.

Detection Area		
	1	
I	ON	100%
II	-	50%

Hold Time			
	2	3	
I	ON	ON	5S
II	-	ON	1min
III	ON	-	3min
IV	-	-	10min

### Hold time:

Refers to the time period the lamp remains at 100% illumination after no motion detected.

Notice 1: The hold time can be selected by the slide switch.

The hold time counting should be started after the sensor is powered on and initialized.

Daylight Sensor		
	4	
I	ON	disable
II	-	30lux

### Daylight sensor:

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold. When set to

Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level.

Notice 1: The light threshold can be selected through the slide switch, it may cause a large deviation in different lamps.

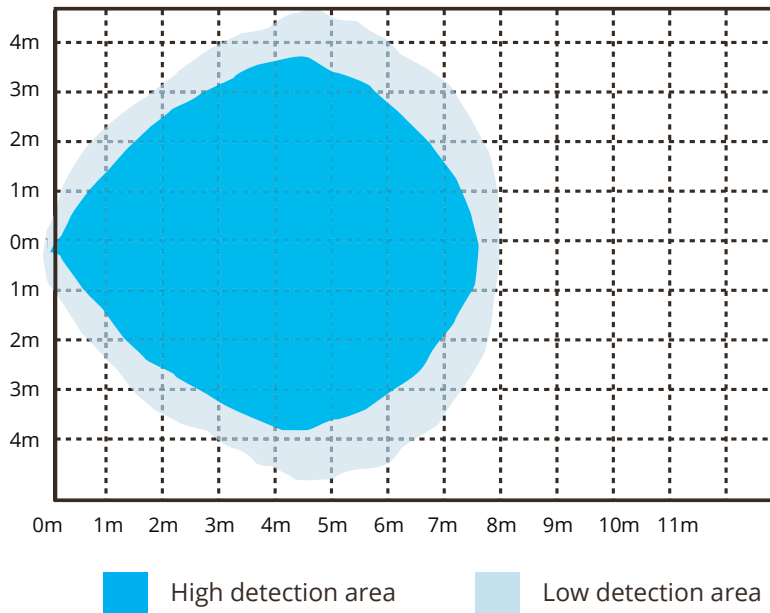
## Factory settings

Detection Area	Hold Time	Daylight Sensor
100%	3min	30Lux

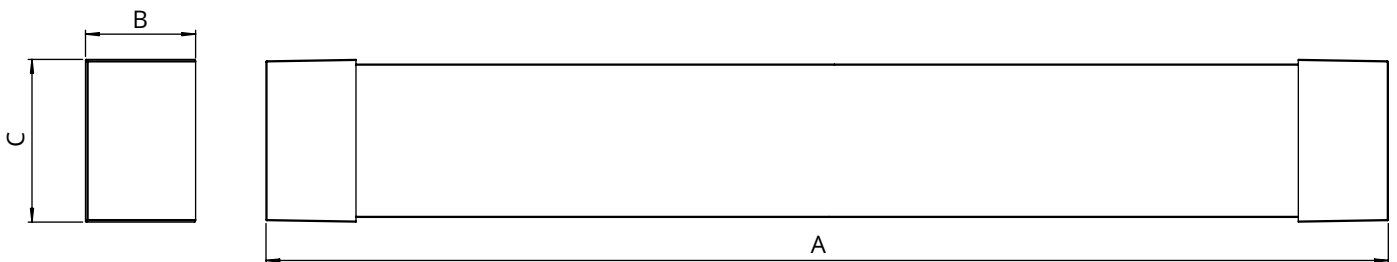


● Switch ON  
○ Switch OFF

## Detection area



## Dimensions (mm)



Type	A	B	C
450 mm version	450	57,5	85
600 mm version	600	57,5	5

## Order logic

Product ID	Length	Wattage	CRI	Control	Sensor	Housing Color
Tung Mirror Light	450 - 450 mm 600 - 600 mm	8W 10W	80 - CRI 80	S - Static	- MS - Microwave Sensor	W - White

## 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