

Taurus Multi-Power & Tri-Colour

Surface & Suspended Range

CODE: TAU-WS-325TC/MS

QVIS[®]
LED LIGHTING



13W to
16W
Power

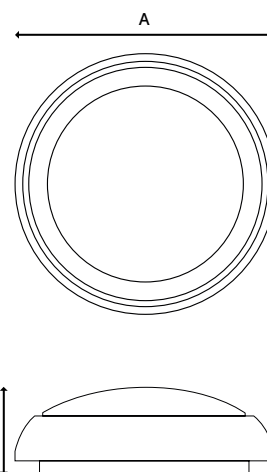
5YR
Warranty



Tri
Colour

1365 to
1680
Lumens

TECHNICAL DRAWINGS

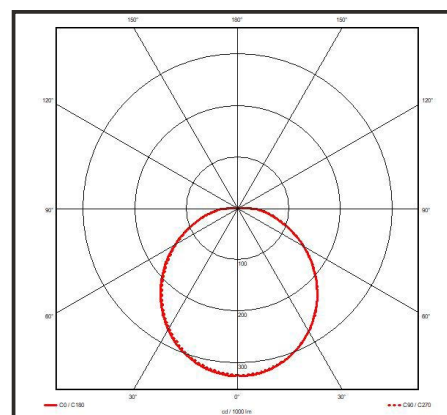


A = 325mm B = 109mm

Specification	Taurus
System Power [Selectable]	13W / 16W
Sensor Driver	Merrytek
LED Chipset	Epistar
Colour Rendering Index	>80
Lumen Output	1365Lm / 1680Lm
LED Efficacy	105 Lm/cW
Power Factor	>0.9
Sensor Type	Microwave
IP Rating	IP65
IK Rating	IK10
Colour Temperature	3000K / 4000K / 6000K
Housing Material	Polycarbonate
Diffuser Material	Polycarbonate
Operating Temperature	-20 to +40 °C
Input Voltage	AC220-240V
Dimensions	325mm x 109mm
Weight	0.89kg
MacAdam Step	<3
Lifetime	50,000 hours, L70-B10 (Ta 25 °C)
CE Standards	EN60598-1, EN62493, EN55015, EN61547, EN61000-3-2, EN61000-3-3, EN62722-1, EN62722-2-1 and EN50581
CE Directives	LVD, EMC, ERP & RoHS

* Warranty terms and conditions apply

LUMINOUS INTENSITY DISTRIBUTION



Microwave Sensor

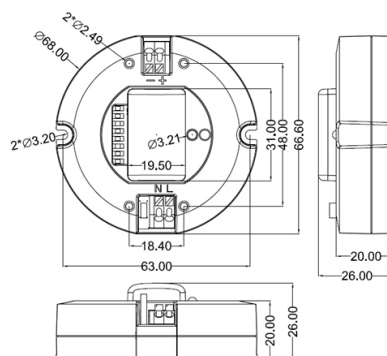


	Specification	Bulkhead Sensor
Input	Operating Voltage	198-264V AC 50Hz/60HZ
	Input Voltage	220-240V AC 50Hz/60HZ
	Input Current	≤0.11A (230VAC, full load)
	Power Factor	0.9 (full load)
	Efficiency	≥86% Max.230V full load
	Standby Power	≤1W
	Wiring Method	Shrapnel terminal
Output	Operating Type	Constant current
	Load Type	LED
	Ripple Requirement	Slight flickering (non visible)
	No-Load Output Voltage	63V DC Max
	Load Output Voltage Range	24-53V DC
	Full Load Output Power	19W Max.
	Load Output Current	300mA/350mA
	Constant Current/ Voltage Precision	Constant Current Precision ±5%
	Wiring Method	Push terminal
Exception Protection Requirements	Output Over Voltage Protection	Yes
	Output Short Circuit Protection	Yes
	Output Over Load Protection	Yes
Sensor Parameters	HF Operating Frequency	5.8GHz ±75 MHz,ISM wave band
	HF Radiated Power	0.5mW Max.
	Hold Time	5S/1min/5min/10min
	Dimming Ratio	10% /25%
	Standby Period	0S/1min/10min/+∞
	Detection Area	50%/100%
	Daylight Sensor	5lux / 25lux /50lux / Disable
	HF Detection Area	Radius 3-6m (Mounting 3m)
	Mounting Height	Suggested: 3-4m, 6m max.
	Detection Angle (Mount)	150°(Wall), 360°(Ceiling)
Operating Environment	Operating Temperature / Operating Humidity	-25°C~50°C Humidity: 85% (Non-condensing)
	Storage Temperature / Storage Humidity	-40°C~80°C Humidity: 85% (Non-condensing)
	Outer Case Max. Temp (Tc)	85°C
Safety & EMC	Isolation Pressurisation	(L N)input-output, 3000VAC/5mA/1min
	Safety Requirement	EN61347-1
	EMC	EN55015
	Certification	CE
Others	IP Rating	IP20
	Protection Level	Class II
	Installation Size	Φ68mm,H 26mm
	Packaging Requirement	Bubble bag + clapboard + outer case (K=A)
	Life	30000h @ Ta 100% load



- On-Off / 3-step dimming function for LED ceiling
- Integration of microwave motion sensor and daylight sensor
- Operating type:Dimming control, daylight priority
- Stand-by power ≤1W
- Detection area; hold time; stand-by period and daylight sensor can be set via DIP switch

Dimensions (mm)



Microwave Sensor



1 With sufficient ambient light, the light will not be switched on.



2 With insufficient ambient light, the sensor switches on the light when motion is detected.



3 After elapse of hold time, the sensor switches off the light when no motion is detected.



3-step dimming function



1 With sufficient ambient light, the light will not be switched on.



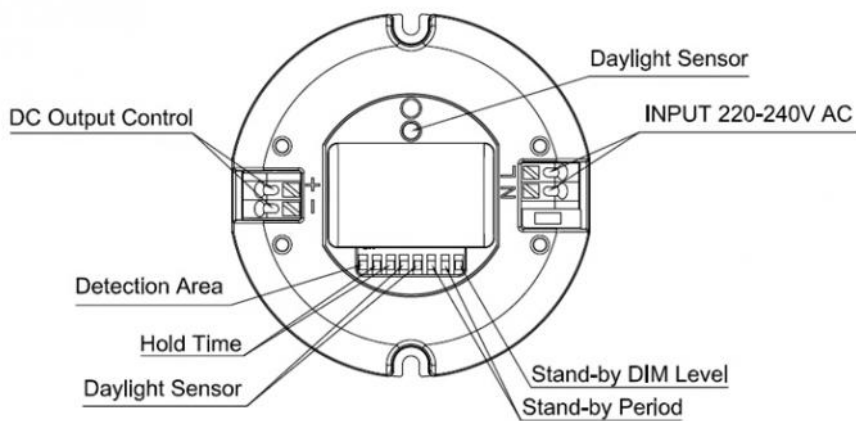
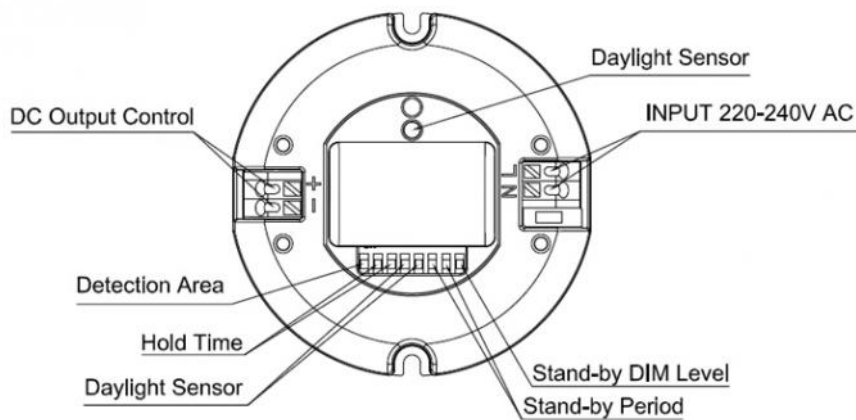
2 With insufficient ambient light, the sensor switches on the light when motion is detected.



3 After elapse of hold time, the sensor dims the light at a low light level if no new motion is detected.



4 After elapse of stand-by period, the sensor switches off the light if no motion is detected in the detection zone.



Microwave Sensor



DIP Switch Setting

Detection Area (Sensitivity)

	1	
I	ON	100%
II	-	50%

Hold Time

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

Daylight Sensor

	4	5	
I	ON	ON	5Lux
II	ON	-	25Lux
III	-	ON	50Lux
IV	-	-	Disable*

*Disable means the daylight sensor does not work. The sensor will turn on light once motion is detected regardless of ambient light level.

Stand-by Period

	6	7	
I	ON	ON	0S
II	ON	-	1min
III	-	ON	10min
IV	-	-	+∞



Microwave Sensor



Stand-by DIM Level

	8	
I	ON	10%
II	-	25%