

Taurus Multi-Power & Tri-Colour

Surface & Suspended Range

CODE: TAU-WS-325TC/ME

QVIS[®]
LED LIGHTING



3HR
Emergency
3W Battery

IP65

13W to
16W
Power

5YR
Warranty

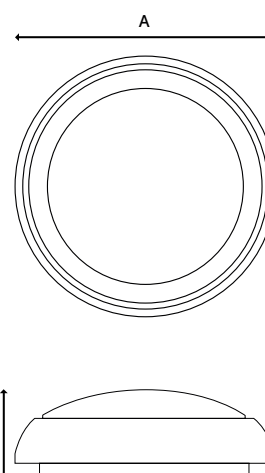
IK10

Tri
Colour

1365 to
1680
Lumens

*

TECHNICAL DRAWINGS

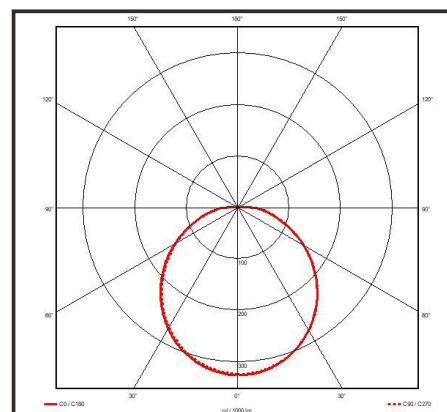


A = 325mm B = 109mm

| Specification | Taurus |
|---------------------------|--|
| System Power [Selectable] | 13W / 16W [Emergency 3W] |
| Sensor Driver | Merrytek |
| LED Chipset | Epistar |
| Colour Rendering Index | >80 |
| Lumen Output | 1365Lm / 1680Lm [Emergency 315Lm] |
| 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] |
| Emergency Output | 3 Hours [3W] |
| 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

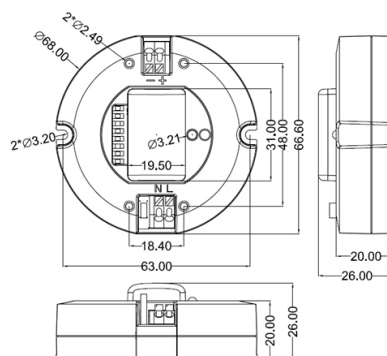


| | Specification | Bulkhead Sensor |
|---|---|---|
| Input | Operating Voltage | 198-264V AC 50Hz/60HZ |
| | Input Voltage | 220-240V AC 50Hz/60HZ |
| | Input Current | ≤0.11A (230VAC, full load) |
| | Power Factor | 0.9 (full load) |
| | Efficiency | ≥86% Max.230V full load |
| | Standby Power | ≤1W |
| | 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 $\leq 1W$
- 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.



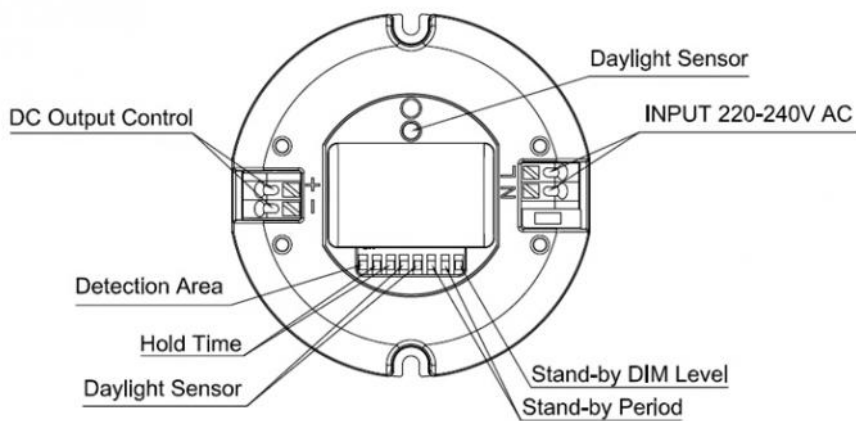
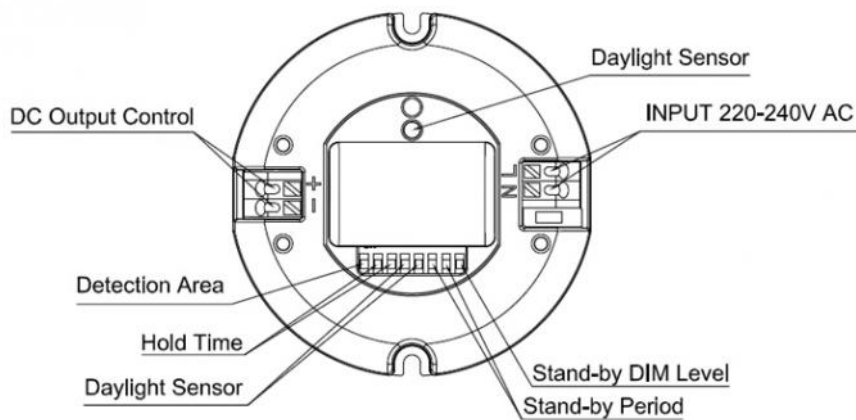
2 With insufficient ambient light, the sensor switches on the light when motion is detected.



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% |