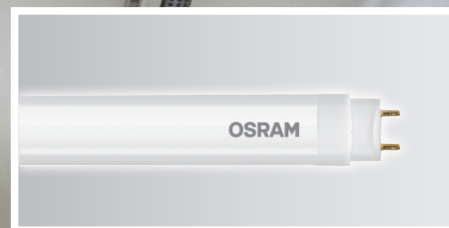




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## Light is performance

# LED SubstiTUBE® and LED STAR+ Motion Sensor

Direct retrofit T8 glass tubes, SubstiTUBE® Advanced, Value and LED Star+ Motion Sensor

- Made from glass, T8 lamps with G13 base
- Direct retrofit replacement lamps with starter included
- Up to 50,000 hours (Advanced) and 30,000 hours (Value and LED STAR+ Motion Sensor)
- 50% energy saving compared to traditional T8
- Advanced and LED STAR+ Motion Sensor available in 4000K & 6500K
- Value available in 3000K, 4000K & 6500K
- Uniform, robust and durable
- Instant light without flickering



# LED SubstiTUBE® and LED STAR+ Motion Sensor

Introducing the new generation of OSRAM SubstiTUBE® LED lamps – the SubstiTUBE® Advanced boasts high performance with efficacy up to 137.5lm/W and the SubstiTUBE® Value offers excellent price to performance ratio. The new innovative LED Star+ Motion Sensor tube has a built-in microwave sensor which automatically dims the light level down to 30% if no motion is detected after 30 seconds for energy savings >85% compared with conventional fluorescent tubes.



Product name

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## LED T8 SubstiTUBE® Advanced 240V - Non Dimmable

|                      |               |    |      |      |        |    |
|----------------------|---------------|----|------|------|--------|----|
| ST8A-0.6M 9W/840 EM  | 4058075049222 | 9  | 1000 | 4000 | 50,000 | 25 |
| ST8A-0.6M 9W/865 EM  | 4058075049208 | 9  | 1000 | 6500 | 50,000 | 25 |
| ST8A-1.2M 16W/840 HE | 4058075049307 | 16 | 2200 | 4000 | 50,000 | 25 |
| ST8A-1.2M 16W/865 HE | 4058075049284 | 16 | 2200 | 6500 | 50,000 | 25 |
| ST8A-1.5M 21W/840 EM | 4058075049260 | 21 | 2400 | 4000 | 50,000 | 25 |
| ST8A-1.5M 21W/865 EM | 4058075049246 | 21 | 2400 | 6500 | 50,000 | 25 |



## LED T8 SubstiTUBE® Value 240V - Non Dimmable

|                      |               |    |      |      |        |    |
|----------------------|---------------|----|------|------|--------|----|
| ST8V-0.6M 8W/830 EM  | 4058075052048 | 8  | 900  | 3000 | 30,000 | 25 |
| ST8V-0.6M 8W/840 EM  | 4058075052062 | 8  | 900  | 4000 | 30,000 | 25 |
| ST8V-0.6M 8W/865 EM  | 4058075052086 | 8  | 900  | 6500 | 30,000 | 25 |
| ST8V-1.2M 16W/830 EM | 4058075052109 | 16 | 1800 | 3000 | 30,000 | 25 |
| ST8V-1.2M 16W/840 EM | 4058075052123 | 16 | 1800 | 4000 | 30,000 | 25 |
| ST8V-1.2M 16W/865 EM | 4058075052147 | 16 | 1800 | 6500 | 30,000 | 25 |
| ST8V-1.5M 20W/830 EM | 4058075052161 | 20 | 2400 | 3000 | 30,000 | 25 |
| ST8V-1.5M 20W/840 EM | 4058075052185 | 20 | 2400 | 4000 | 30,000 | 25 |
| ST8V-1.5M 20W/865 EM | 4058075052208 | 20 | 2400 | 6500 | 30,000 | 25 |



## LED STAR+ Motion Sensor Tube 240V - Step Dimming

|                           |               |      |      |      |        |    |
|---------------------------|---------------|------|------|------|--------|----|
| ST8S-0.6M 8W/840 230V EM  | 4058075067011 | 8.0  | 800  | 4000 | 30,000 | 25 |
| ST8S-0.6M 8W/865 230V EM  | 4058075055599 | 8.0  | 800  | 6500 | 30,000 | 25 |
| ST8S-1.2M 16W/840 230V EM | 4058075067035 | 16.0 | 1600 | 4000 | 30,000 | 25 |
| ST8S-1.2M 16W/865 230V EM | 4058075055612 | 16.0 | 1600 | 6500 | 30,000 | 25 |



### AREAS OF APPLICATION - general

- Carparks and supermarkets
- Conference rooms, auditoriums, libraries
- Factories and workshops
- Office and classrooms

### AREAS OF APPLICATION - sensor

- Car parks
- Corridors
- Warehouses
- Any transient locations where constant light is not necessary

# Product Performance Overview

The product performance overview compares the features of the latest SubstiTUBE® lamps and LED STAR+ Motion Sensor lamp with traditional fluorescent T8 lamps. The most notable features from the T8 traditional to the latest LED tubes are a much higher

lumen efficacy with longer lifetime resulting in lower maintenance and greater energy savings. The LED Star+ Motion Sensor further reduces energy consumption providing the ultimate cost reducing, energy saving solution.

|                                            | <b>SubstiTUBE®<br/>Advanced</b> | <b>SubstiTUBE®<br/>Value</b> | <b>LED Star+<br/>Motion Sensor</b> |
|--------------------------------------------|---------------------------------|------------------------------|------------------------------------|
| <b>Lifetime [h]</b>                        | 50,000                          | 30,000                       | 30,000                             |
| <b>Lengths available</b>                   | 0.6m, 1.2m, 1.5m                | 0.6m, 1.2m, 1.5m             | 0.6m, 1.2m                         |
| <b>Lumen output</b>                        | 1000, 2200, 2400                | 900, 1800, 2400              | 800, 1600                          |
| <b>Efficacy [lm/W]</b>                     | 111, 137, 114                   | 112, 112, 120                | 100, 100                           |
| <b>Wattage</b>                             | 9, 16, 21                       | 8, 16, 20                    | 8, 16                              |
| <b>Family model code</b>                   | ST8A                            | ST8V                         | ST8S                               |
| <b>Beam angle</b>                          | >160°                           | >120°                        | >160°                              |
| <b>Power factor</b>                        | >0.95                           | >0.5                         | >0.9                               |
| <b>Lux Level / lx at<br/>1m, 2m and 3m</b> | 336, 84, 37                     | 272, 68, 30                  | 367, 67, 30                        |



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