

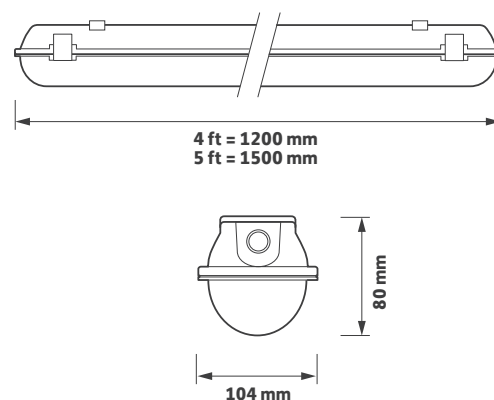
# 129 Series Datasheet



## Key Features

- ▶ LED IP65 anti-corrosive batten with IK10 impact resistance rating
- ▶ Robust injection moulded polycarbonate body
- ▶ Clear vapour proof high impact diffuser
- ▶ High system efficacy to aid compliance with Building Regulations Part L
- ▶ Tridonic LED and driver system
- ▶ Opal light pipe for homogeneous output
- ▶ Quick release flush mounted fixing clips
- ▶ Adjustable 1.5 m suspension kit and corner mount kit available
- ▶ Dimming, sensor and emergency options

## Technical Drawing



## Ordering Information

| Output  | Power | Colour | Size | Model Ref.     |
|---------|-------|--------|------|----------------|
| 1900 lm | 14 W  | 830    | 4 ft | <b>129.005</b> |
| 1900 lm | 14 W  | 840    | 4 ft | <b>129.006</b> |
| 4100 lm | 36 W  | 830    | 4 ft | <b>129.001</b> |
| 4100 lm | 36 W  | 840    | 4 ft | <b>129.002</b> |
| 2300 lm | 17 W  | 830    | 5 ft | <b>129.007</b> |
| 2300 lm | 17 W  | 840    | 5 ft | <b>129.008</b> |
| 5200 lm | 43 W  | 830    | 5 ft | <b>129.003</b> |
| 5200 lm | 43 W  | 840    | 5 ft | <b>129.004</b> |

## Options

Please select from the options below.

|                            |                  |
|----------------------------|------------------|
| SwitchDIM, DALI or DSI     | <b>/ECO</b>      |
| EM conversion              | <b>/EM</b>       |
| Sensor on / off            | <b>/SO</b>       |
| 4 ft stainless steel clips | <b>/SC129/10</b> |
| 5 ft stainless steel clips | <b>/SC129/14</b> |



# 129 Series Options and Accessories

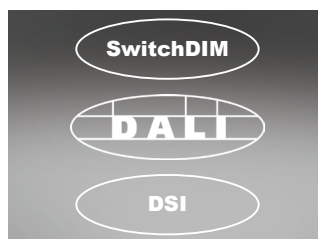
## Options



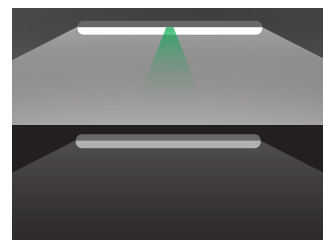
**/SC129/10**  
10 pack stainless steel clips (4 ft)



**/SC129/14**  
14 pack stainless steel clips (5 ft)



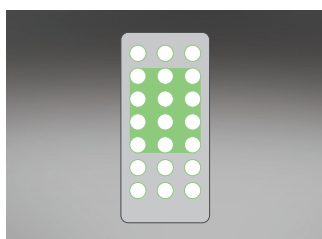
**/ECO**  
SwitchDIM, DALI or DSI



**/EM**  
EM conversion



**/SO**  
Sensor on / off  
(Standard 20 min delay)



**/SPR129**  
Sensor programming remote  
(Required to change standard sensor settings)

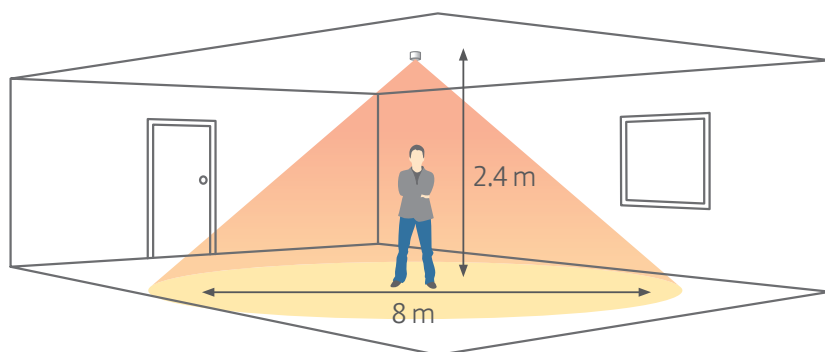


**/SUS129**  
1.5 m suspension kit



**/CMK129**  
Corner mount kit

## /SO - Sensor Detection Range



# 129 Series Options and Accessories

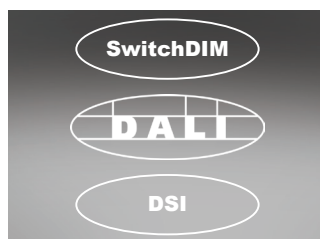
## Options



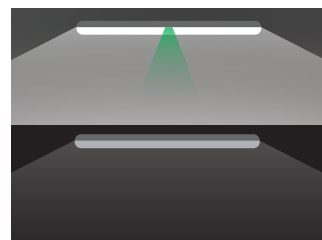
**/SC129/10**  
10 pack stainless steel clips (4 ft)



**/SC129/14**  
14 pack stainless steel clips (5 ft)



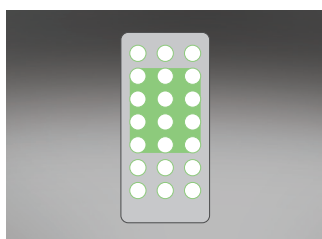
**/ECO**  
SwitchDIM, DALI or DSI



**/EM**  
EM conversion



**/SO**  
Sensor on / off  
(Standard 20 min delay)



**/SPR129**  
Sensor programming remote  
(Required to change standard sensor settings)

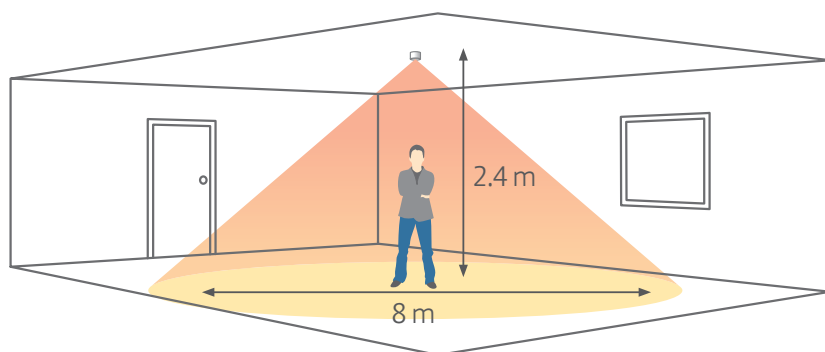


**/SUS129**  
1.5 m suspension kit



**/CMK129**  
Corner mount kit

## /SO - Sensor Detection Range



# 129 Series Technical

## Technical Information

|                               |             |                               |                            |
|-------------------------------|-------------|-------------------------------|----------------------------|
| Nominal weight (4 ft)         | 3 kg        | Operating ambient temperature | -25°C to +35°C (+30°C /EM) |
| Nominal weight (5 ft)         | 4 kg        | Connection                    | Piano type terminal block  |
| Mains voltage                 | 220 - 240 V | Warranty                      | 5 years                    |
| Mains frequency               | 50 - 60 Hz  | Power factor                  | >0.9                       |
| Ingress protection from front | IP65        | Colour rendering              | R <sub>a</sub> 80          |
| Ingress protection from rear  | IP65        | Optical efficiency (DLOR)     | 90%                        |
| Impact protection             | IK10        | MacAdam                       | 3 SDCM                     |

| Model Ref. | Size | Module Power (W) | Module Output (lm) | Module Efficacy (lm/W) | Luminaire Power (W) | Luminaire Output (Llm) | Luminaire Efficacy (Llm/W) | Colour Temp (K) | UGR   |
|------------|------|------------------|--------------------|------------------------|---------------------|------------------------|----------------------------|-----------------|-------|
| 129.005    | 4 ft | 11.9             | 2070               | 144                    | 14.4                | 1863                   | 129.2                      | 3000            | ≤22.5 |
| 129.006    | 4 ft | 11.9             | 2114               | 147                    | 14.4                | 1903                   | 131.9                      | 4000            | ≤22.5 |
| 129.001    | 4 ft | 32.0             | 4540               | 128                    | 35.6                | 4086                   | 114.9                      | 3000            | ≤25.9 |
| 129.002    | 4 ft | 32.0             | 4680               | 132                    | 35.6                | 4212                   | 118.5                      | 4000            | ≤26.0 |
| 129.007    | 5 ft | 14.8             | 2577               | 151                    | 17.1                | 2319                   | 136.1                      | 3000            | ≤22.5 |
| 129.008    | 5 ft | 14.8             | 2630               | 154                    | 17.1                | 2367                   | 138.9                      | 4000            | ≤22.6 |
| 129.003    | 5 ft | 40.0             | 5670               | 130                    | 43.5                | 5103                   | 117.4                      | 3000            | ≤26.1 |
| 129.004    | 5 ft | 40.0             | 5850               | 135                    | 43.5                | 5265                   | 121.1                      | 4000            | ≤26.2 |

Please note: specification values may change due to rapid development of lighting technology. All performance data is taken at an ambient temperature of +25°C. Data may be rounded up/down for illustrative purposes. Tolerance range of optical and electrical data is +/-10%. We reserve the right to amend or change details without prior notification. E&OE. **MDS-175T-REV2 11/01/2017**

# 129 Series Life

25°C Ta (Ambient Temperature)

| Model Ref. | L90 / F10 | L80 / F10 | L70 / F10 |
|------------|-----------|-----------|-----------|
| 129.001    | 23,000 h  | 49,000 h  | >60,000 h |
| 129.002    | 23,000 h  | 49,000 h  | >60,000 h |
| 129.003    | 23,000 h  | 49,000 h  | >60,000 h |
| 129.004    | 23,000 h  | 49,000 h  | >60,000 h |
| 129.005    | 23,000 h  | 49,000 h  | >60,000 h |
| 129.006    | 23,000 h  | 49,000 h  | >60,000 h |
| 129.007    | 23,000 h  | 49,000 h  | >60,000 h |
| 129.008    | 23,000 h  | 49,000 h  | >60,000 h |

“L VALUE” = % of initial lumens maintained after specified time  
“F VALUE” = % of fittings failing to meet operational expectations after specified time

**EXAMPLE**  
60,000 hrs L80 / F10 = 80% of initial lumens maintained after 60,000 hours  
= 10% of fittings will have less than 80% of initial lumens after 60,000 hours  
OR  
= 90% of fittings will have maintained 80% of initial lumens after 60,000 hours