

430027-SD

Technical Specification

Linear

Stanford Anti-Corrosive 38W 4000K 4ft Twin Step Dim Grey



High efficacy up to 145LPCW, Anti-distortion housing, Improved thermals utilising Aluminium back PCBs, Opal, ribbed Polycarbonate diffuser to reduce glare, Stainless steel clips, H3 – High Output Emergency 440lm option available



General Data

|                                |                                       |
|--------------------------------|---------------------------------------|
| Technology                     | LED                                   |
| Mounting options               | Ceiling   Wall   Suspended            |
| Install Options                | Fixing Bracket   Suspension Bracket   |
| Electrical Connector Type      | Screw terminal                        |
| Input Cable                    | No                                    |
| Input Electrical Connection    | Live   Neutral   Earth                |
| General Application            | Industrial   Commercial   Educational |
| Operating Temperature Range °C | -20 - +40                             |
| Warranty (Years)               | 5                                     |

430027-SD

Technical Specification

**Optical Data**

|                                  |         |
|----------------------------------|---------|
| LED Manufacturer / Type          | Smalite |
| Fixture Luminous Flux (Lm)       | 4730    |
| Luminaire Efficacy @4000K (lm/W) | 124     |
| LOR %                            | 100     |
| Colour Selectable                | No      |
| Beam Angle°                      | 115     |
| Photobiological Risk Group       | RG0     |

**Light Source Data**

|                        |            |
|------------------------|------------|
| Energy Class           | D          |
| Colour Temperature (K) | 4000       |
| Light Colour           | Cool White |
| CRI Ra                 | 80         |

**430027-SD**
**Technical Specification**

## **Electrical Data**

|                                         |                  |
|-----------------------------------------|------------------|
| <b>Wattage (W)</b>                      | 38               |
| <b>Total Power Consumption (W)</b>      | 38               |
| <b>Mains voltage (V)</b>                | 220 - 240        |
| <b>Lamp power factor</b>                | >95              |
| <b>Electrical protection</b>            | Class I          |
| <b>Driver Output (V)</b>                | 20 - 54          |
| <b>Driver Output Current (mA)</b>       | 700              |
| <b>Control Gear Type CC or CV</b>       | Constant Current |
| <b>PstLM</b>                            | 0.09             |
| <b>LED Flicker Rate</b>                 | 11.26            |
| <b>Dimmable</b>                         | Yes              |
| <b>Dimmable Type</b>                    | Step Dim         |
| <b>Driver Brand</b>                     | Tridonic         |
| <b>Glow Wire Test (°C)</b>              | 10               |
| <b>Nominal Frequency (Hz)</b>           | 50/60            |
| <b>Surge Protection (kV)</b>            | 2                |
| <b>Max. Luminaire per 10A C Breaker</b> | 35               |
| <b>Max. Luminaire per 13A C Breaker</b> | 50               |
| <b>Max. Luminaire per 16A C Breaker</b> | 65               |
| <b>Max. Luminaire per 20A C Breaker</b> | 75               |
| <b>Max. Luminaire per 10A B Breaker</b> | 28               |
| <b>Max. Luminaire per 13A B Breaker</b> | 40               |
| <b>Max. Luminaire per 16A B Breaker</b> | 52               |
| <b>Max. Luminaire per 20A B Breaker</b> | 60               |

430027-SD

Technical Specification

**Lifetime Data**

|                              |       |
|------------------------------|-------|
| Lifespan L70 B50 @25°C (Hrs) | 50000 |
|------------------------------|-------|

**Sensor Data**

|                          |                                                   |
|--------------------------|---------------------------------------------------|
| Sensor Technology        | Step Dim                                          |
| Sensor Type              | Step Dim                                          |
| Max. Mounting Height (M) | 6                                                 |
| Hold Time                | 5s 90s 5min 25min                                 |
| Daylight Threshold       | 10Lux   30Lux   50Lux   100Lux   150Lux   Disable |

**Physical Data**

|                             |               |
|-----------------------------|---------------|
| Housing colour              | 421C Grey     |
| Body material               | ABS           |
| Driver Housing              | Metal casing  |
| IP Rating                   | 65            |
| IK Rating                   | 8             |
| Diffuser Material           | Polycarbonate |
| Diffuser finish             | Milky         |
| Nominal Product Length (mm) | 1274          |
| Nominal Product Width (mm)  | 140           |
| Nominal Product Height (mm) | 90            |
| Weight (kg)                 | 1.96          |

430027-SD

Technical Specification

Standards and Approvals

|                               |                      |
|-------------------------------|----------------------|
| Manufactured In Accordance To | EN 60598-1           |
| CE Mark                       | Yes                  |
| UKCA Mark                     | Yes                  |
| WEEE Symbol                   | Yes                  |
| Certificate Of Conformity     | Available on Request |
| Accredited Members            | LIA, ISO9001         |

