

LumiTray™

993 Series



Luminaire Overview

- › LED insert for existing fittings
- › Standard and high output options available
- › >70'000 hours to 70% of initial lumen output
- › 5 year warranty
- › High reliability LED technology
- › Fit and forget
- › UMSUG charge codes available
- › Dali variant available



Product Codes

| Product Name | Series | Intensity | Size | Colour Temp | Options |
|--------------|--------|--------------------------|---|---|----------------------------------|
| LTY | 993 | | | | |
| | | S - Standard H - High | 6 - 600mm 12 - 1200mm 15 - 1500mm 18 - 1800mm 24 - 2400mm | C - Cool White N - Natural White W - Warm White | Z - Standard D - Dali Dimming |

Technical Specification

| | | | | |
|--|-------------|-------------|-------------|-------------|
| Size | 600mm | 600mm | 1200mm | 1200mm |
| Intensity | Standard | High | Standard | High |
| Input power | 13W | 23W | 25W | 44W |
| Fluorescent equivalent | 1x18W | 2x18W | 1x36W | 2x36W |
| Input voltage range (VAC) | 90 - 277 | 90 - 277 | 90 - 277 | 90 - 277 |
| AC Input Current (Max load @ 230VAC) | 0.13A | 0.11A | 0.12A | 0.21A |
| Power Factor | 0.95 | 0.95 | 0.95 | 0.95 |
| Power converter efficiency | 90% | 90% | 90% | 90% |
| Operating temperature range (°C) | -25° - +50° | -25° - +50° | -25° - +50° | -25° - +50° |
| Operating hours to 70% of initial lumen output (hrs) | 80'000 | 70'000 | 80'000 | 70'000 |
| MTBF MIL-HDBK-217F (40°C) (hrs) | 144'000 | 144'000 | 135'000 | 135'000 |
| MTBF MIL-HDBK-217F (40°C) - Dali (hrs) | 124'000 | 124'000 | 117'000 | 117'000 |



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Technical Specification

| | | | | |
|--|-------------|-------------|-------------|-------------|
| Size | 1500mm | 1500mm | 1800mm | 1800mm |
| Intensity | Standard | High | Standard | High |
| Input power | 30W | 54W | 36W | 64W |
| Fluorescent equivalent | 1x58W | 2x58W | 1x70W | 2x70W |
| Input voltage range (VAC) | 90 - 277 | 90 - 277 | 90 - 277 | 90 - 277 |
| AC Input Current (Max load @ 230VAC) | 0.14A | 0.24A | 0.17A | 0.28A |
| Power Factor | 0.95 | 0.95 | 0.95 | 0.95 |
| Power converter efficiency | 90% | 90% | 90% | 90% |
| Operating temperature range (°C) | -25° - +50° | -25° - +50° | -25° - +50° | -25° - +50° |
| Operating hours to 70% of initial lumen output (hrs) | 80'000 | 70'000 | 80'000 | 70'000 |
| MTBF MIL-HDBK-217F (40°C) (hrs) | 115'000 | 115'000 | 100'000 | 100'000 |
| MTBF MIL-HDBK-217F (40°C) - Dali (hrs) | 102'000 | 102'000 | 90'000 | 90'000 |

*2400mm variant available on request

Photometric Data

| Size | Power Consumption | Total Source Luminous Flux lm | UMSUG Charge Code |
|--------|-------------------|-------------------------------|-------------------|
| 600mm | Standard | 998 | - |
| 600mm | High | 2082 | 4000230001100 |
| 1200mm | Standard | 1996 | 4000250001100 |
| 1200mm | High | 4165 | 4000440000100 |
| 1500mm | Standard | 2496 | - |
| 1500mm | High | 5206 | 4000540000100 |
| 1800mm | Standard | 2994 | - |
| 1800mm | High | 6246 | 4000640002100 |
| 2400mm | Standard | 3992 | - |
| 2400mm | High | 8328 | 4000860000100 |

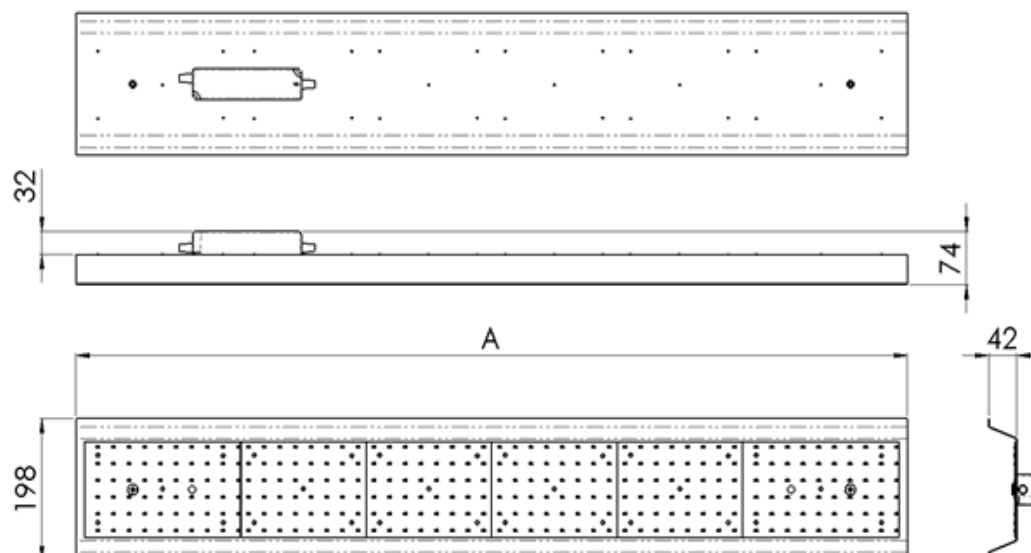
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Mechanical Specification



| A | Weight |
|--------|--------|
| 600mm | 0.9kg |
| 1236mm | 1.55kg |
| 1536mm | 1.82kg |
| 1800mm | 2.6kg |
| 2400mm | 3.2kg |

- › Aluminium gear tray
- › Integrated connection interface to existing luminaire

The 993 Series variants comply with the following standards:

- | | |
|------------------------|--|
| › Safety Standards | UL8750, EN61347-1, EN61347-2-13, UL60950-1, TUVEN60950-1 |
| › Withstand Voltage | I/P - O/P 3.75kVac (PSU) |
| › Isolation Resistance | I/P - O/P:100M Ohms/500VDC/25°C/70% RH |
| › EMC Emission | EN55015, EN61000-3-2 Class C, EN61000-3-3 |
| › EMC Immunity | EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, light industrial level (surge 2kV), criteria A |



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