

# 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

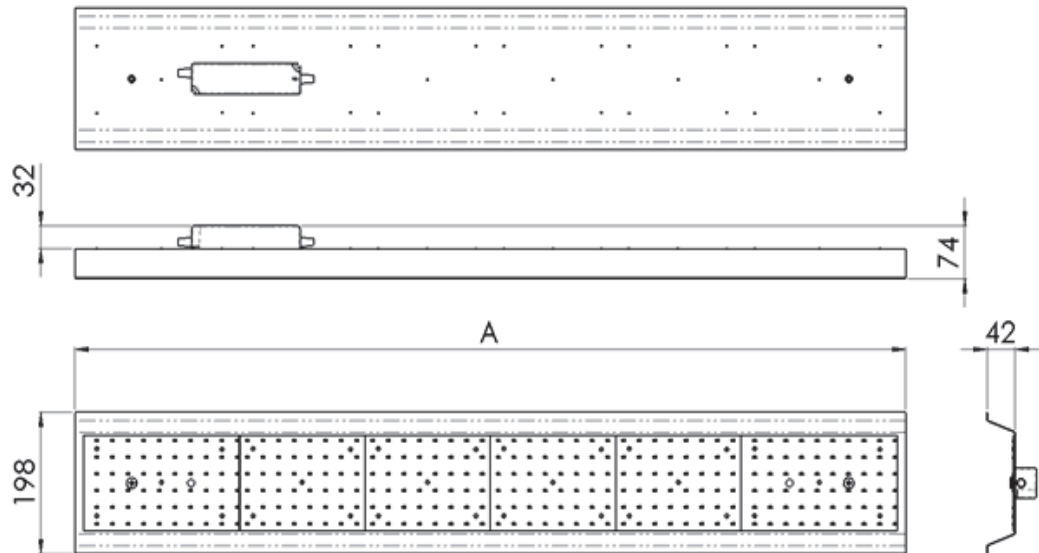
## Photometric Data

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

\*Photometric data available on request.



## 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 |

