

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	4000300006100
1500mm	High	5206	4000540000100
1800mm	Standard	2994	-
1800mm	High	6246	4000640002100
2400mm	Standard	3992	-
2400mm	High	8328	4000860000100

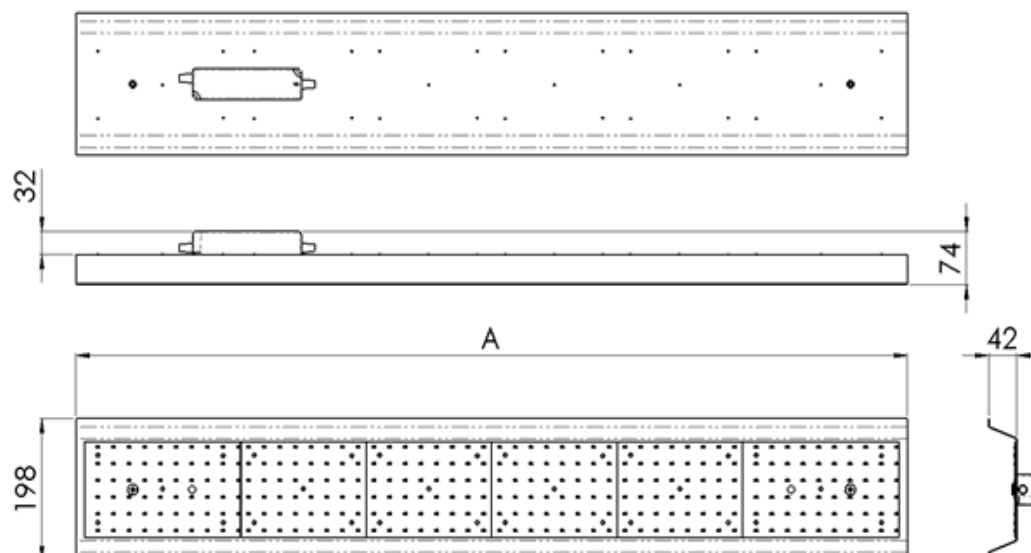
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Mechanical Specification



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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