

E950 28 LED Low power

Maintenance factors

LED lantern Overall Maintenance Factors according to BS5489-1:2013 should be calculated as follows:-

$$\text{LLMF} \times \text{LSF} \times \text{LMF} = \text{OMF}$$

Example :

E950-28 LP 700mA, 100khr life in E1 zone on 6m column 25°C average night temperature with 72 month cleaning cycle

$$0.88 \times 0.99 \times 0.92 = 0.80$$

Drive Current	LLMF 100Khrs CLO80	LLMF 100K hrs B50 25°C	LLMF 50K hrs B50 25°C	LSF
1050mA	0.80	0.81	0.90	0.99
1000mA	0.80	0.82	0.90	0.99
950mA	0.80	0.83	0.91	0.99
900mA	0.80	0.84	0.91	0.99
850mA	0.80	0.85	0.92	0.99
800mA	0.80	0.86	0.92	0.99
750mA	0.80	0.87	0.93	0.99
700mA	0.80	0.88	0.93	0.99
650mA	0.80	0.89	0.94	0.99
600mA	0.80	0.90	0.95	0.99
550mA	0.80	0.91	0.96	0.99
500mA	0.80	0.92	0.97	0.99
450mA	0.80	0.93	0.98	0.99
400mA	0.80	0.94	0.99	0.99
350mA	0.80	0.95	0.99	0.99
300mA	0.80	0.96	0.99	0.99
250mA	0.80	0.97	0.99	0.99
200mA	0.80	0.98	0.99	0.99



BS5489-1:2013 Table B.1 Luminaire maintenance factor (LMF)

Environmental zone	Mounting Height	Maintenance factor for cleaning frequency					
		12m	24m	36m	48m	60m	72m
E1/E2	≤6m	0.96	0.96	0.95	0.94	0.93	0.92
E1/E2	>6m	0.96	0.96	0.95	0.94	0.93	0.92
E3/E4	≤6m	0.94	0.92	0.90	0.88	0.86	0.84
E3/E4	>6m	0.96	0.96	0.95	0.94	0.93	0.92