

PHOSPHORESCENCE TECHNOLOGY FOR TOILET LIGHTING IN REFUGEE CAMPS

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Test Results Chart

Location	Test room measurement (m)	Date	Sky Condition <sup>(1)</sup>	Temperature	Excitation source <sup>(2)</sup>	Recharging Time (h)	Otput Light (h) <sup>(3)</sup>	Output Light (lux)				
								at hour 0	at hour 3	at hour 5	at hour 10	at hour 12
λ : 45.485776 φ : 9.198880 Milan. Italy	1,2 x 1,5	May 22th, 2024	Clouds: 3/8 to 4/8 Height: 2000 ft	21°	daylight 6692 K, 2098 lx	4	not measured	4 <sup>(4)</sup>	0,4 <sup>(4)</sup>	not measured not measured	not measured not measured	not measured not measured
								0,7 <sup>(5)</sup>	0,08 <sup>(5)</sup>	not measured	not measured	not measured
λ : 45.485776 φ : 9.198880 Milan. Italy	1,2 x 1,5	May 19th, 2024	Clouds: 3/8 to 4/8 Height: 4000 ft	22°	daylight 6330 K, 1714 lx	8	12	6 <sup>(4)</sup>	1,5 <sup>(4)</sup>	0,08 <sup>(4)</sup>	0,05 <sup>(4)</sup>	0,01 <sup>(4)</sup>
								3,07 <sup>(5)</sup>	0,3 <sup>(5)</sup>	0,01 <sup>(5)</sup>	0,01 <sup>(5)</sup>	0,01 <sup>(5)</sup>

The graph shows the results of the brightness tests of the phosphorescent lamp.

NOTE

(1) values obtained from TAF forecasts.

(2) see attached spectrum measurement results

(3) Output of emitted light in hours, from 100% to 0% of its intensity, after 12 hours only the panel can be perceived

(4) Illuminance values were measured on a plane at 20 cm, beneath the lamp.

(5) Illuminance values were measured on a plane at 1 m beneath the lamp.

Illuminance and its uniformity has been determined usign a spectrometer conforms to JIS C 1609-1:2006 for general Class AA and DIN 5032 Part 7 Class B  
0,01 lux is the minium value measured by the employed spectrometer. Real values can be lower than 0,01 lux

