



Business from technology

## LED lighting tube measurement results – part 2

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## 24 hour measurement results

luminaire	24h measurement averages:			
	illuminance, lux	real power, W	lux/W	power factor
LEDtube#13, manufacturer1	126	19	<b>6,6</b>	0,90
T8tube#A1, manufacturerA	138	43	<b>3,2</b>	0,47
T8tube#A2, manufacturerA	148	47	<b>3,1</b>	0,47
T8tube#B1, manufacturerB	135	44	<b>3,1</b>	0,46
T8tube#B2, manufacturerB	135	43	<b>3,1</b>	0,46
T8tube#C1, manufacturerC	131	43	<b>3,0</b>	0,45
T8tube#C2, manufacturerC	131	43	<b>3,0</b>	0,45
T8tube#D1, manufacturerD	100	44	<b>2,3</b>	0,46

(The luminaires were installed in a ceiling mounted lighting fixture with a curved back reflector.)



## Aalto University measurement results

	<b>Magnetic ballast applied</b>	<b>Power (W)</b>	<b>Luminous flux (Lm)</b>	<b>Luminous efficacy (Lm/W)</b>
<b>T8tube#A1</b>	Yes	45.5	3344	<b>73.5</b>
<b>T8tube#A2</b>	Yes	46.1	3100	<b>67.3</b>
<b>LEDtube#13</b>	No	18.4	1625	<b>88.3</b>

(Luminous fluxes were measured at Aalto University's Lighting laboratory using a large integrating sphere. In these measurements a regulated power supply was used.)



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