

Which fluorescent tube replacement should I choose?

Replacement to T5:

Length	600			1200				1500				
Existing equipment	T5 2x14W	T5 2x24W	T5 4x14W	T5 2x28W	T5 2x54W	T5 3x54W	T5 4x54W	T5 2x49W	T5 2x80W	T5 3x49W	T5 4x49W	T5 3x80W
System power 1) Luminaire lumen 2)	31W/ 1686lm	53W/ 2453lm	62W/ 3371lm	62W/ 3646lm	119W/ 6199lm	178W/ 9299lm	238W/ 12398lm	108W/ 6037lm	176W/ 8624lm	162W/ 9055lm	216W/ 12074lm	264W/ 12936lm
Replacement luminaire												
Sky OP 600x600 DIM			30W/ 3800lm									
Sky OP 600x600 DALI			28W/ 3500lm/ 700mA									
Sky MP 600x600 DIM			30W/ 3700lm									
Sky MP 600x600 DALI			30W/ 3600lm/ 750mA									
Sky OP 300x1200 DIM				30W/ 4200lm								
Sky OP 300x1200 DALI				28W/ 3760lm/ 700mA								
Sky MP 300x1200 DIM				30W/ 3900lm 3)								
Sky MP 300x1200 DALI				30W/ 3800lm/ 750mA								

Replacement to T8:

Length	600		1200	1500		
Existing equipment	T8 2x18W	T8 4x18W	T8 2x36W	T8 2x58W	T8 3x58W	T8 4x58W
System power 1) Luminaire lumen 2)	47W/ 1890lm	94W/ 3780lm	94W/ 4687lm	151W/ 7308lm	226W/ 10962lm	302W/ 14616lm
Replacement luminaire						
Sky OP 600x600 DIM		30W/ 3800lm				
Sky OP 600x600 DALI		32W/ 3900lm/ 800mA				
Sky MP 600x600 DIM		30W/ 3700lm				
Sky MP 600x600 DALI		34W/ 4050lm/ 850mA				
Sky OP 300x1200 DIM			30W/ 4200lm 3)			
Sky OP 300x1200 DALI			36W/ 4750lm/ 900mA			
Sky MP 300x1200 DALI			38W/ 4730lm/ 950mA			

Luminaire lumen & and power are stated for 4000K.

Note that the replacement beam angle and IP Degree of Protection should be equivalent to existing luminaires.

Columns with reference to mA refer to the product's system power and luminaire lumen with the stated DIP-Switch Power. This is configured in the product's driver.

1) We report the luminaires' system power with the standard markup below on the total power of the light sources to take drive losses into account:

T5: HF driver +10%

T8: Magnetic current limiter +50%

2) We have assumed that the fluorescent tube luminaire has 70% efficiency when calculating luminaire lumen based on light source lumen.

3) Gives slightly less light

4) Replacement fixture is 1500mm

5) Replacement fixture is 1800mm

6) Note that this is an insert that is fitted in an existing fluorescent tube luminaire by a qualified electrician.