

# Starcoat™ T5

## High Efficiency and High Output with 30 000 hours life!

The elegant, slim Starcoat™ T5 fluorescent lamps are environmentally friendly, have an extremely long life and save energy.

### High Efficiency:

- Offers High Lumens per Watt
- Ideally suited to commercial and retail application in both direct and combined direct/indirect luminaires.
- Saves energy

### High Output:

- Offers High Lumen Package
- Ideally suited for indirect luminaires and uplighting in warehouses and high-bay applications

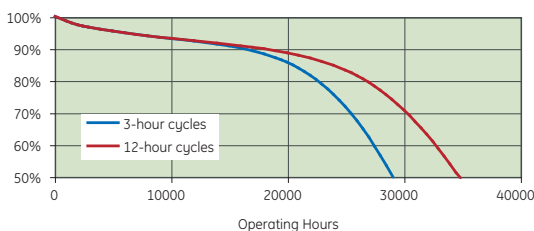
### Lamp Operation:

- Starcoat™ T5 lamps were designed to reach their maximum luminous flux at an ambient draft-free air temperature of 35°C. As the cold spot is situated near the metal cap, the temperature of the cap can tell how close the mercury vapour pressure is to the optimum: a cap temperature of approx. 43°-45°C corresponds to conditions resulting in maximum light output in a stabilized T5 lamp.

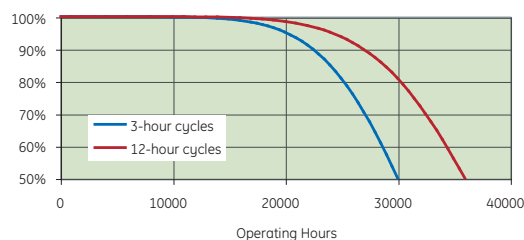
### System Design Considerations:

- If the design of the luminaire allows higher or lower ambient temperature than 35°C the luminous output will be different from the designed maximum light output. In cases where additional cathode heating is applied by an electronic ballast during lamp operation, power dissipation may substantially increase the temperature of the cold chamber located behind the electrode. This might result in a shift of the peak light output toward temperature ranges below 35°C. Air movement within the luminaires can also substantially affect the light output of the T5 lamps since it may also change the cold spot temperature. Consult OEM fixture Manufacturer Photometric tests for more detail on thermal and light output effects (photometrics).

Lamp Service Life



Lamp Survival Rate



# Starcoat™ T5 High Efficiency (HE) and High Output (HO) Lamp Specifications

Watt	Length mm	Product Description	CCT K	CRI Ra	Rated Average Life 3-hr cycle	Rated Average Life 12-hr cycle	Initial Lumens at 35°C	Initial Lumens at 25°C	EE Class	Product Code	Product Code Ind. Pack
<b>Starcoat™ T5 High Efficiency (ø 16 mm - 5/8")</b>											
14	549	F14W/T5/827	2700	85	30000	36000	1350	1230	A	90230	39965
		F14W/T5/830	3000	85	30000	36000	1350	1230	A	90239	39964
		F14W/T5/835	3500	85	30000	36000	1350	1230	A	90246	39961
		F14W/T5/840	4000	85	30000	36000	1350	1230	A	90247	39973
		F14W/T5/865	6500	85	30000	36000	1250	1140	A	90244	90222
21	849	F21W/T5/827	2700	85	30000	36000	2100	1910	A	90245	39976
		F21W/T5/830	3000	85	30000	36000	2100	1910	A	90248	39976
		F21W/T5/835	3500	85	30000	36000	2100	1910	A	90249	39977
		F21W/T5/840	4000	85	30000	36000	2100	1910	A	90250	39978
		F21W/T5/865	6500	85	30000	36000	1950	1770	A	90251	39979
28	1149	F28W/T5/827	2700	85	30000	36000	2900	2640	A	90252	39980
		F28W/T5/830	3000	85	30000	36000	2900	2640	A	90253	39982
		F28W/T5/835	3500	85	30000	36000	2900	2640	A	90254	39983
		F28W/T5/840	4000	85	30000	36000	2900	2640	A	90255	39984
		F28W/T5/865	6500	85	30000	36000	2700	2450	A	90256	39985
35	1449	F35W/T5/827	2700	85	30000	36000	3650	3320	A	90257	39986
		F35W/T5/830	3000	85	30000	36000	3650	3320	A	90258	39989
		F35W/T5/835	3500	85	30000	36000	3650	3320	A	90259	39990
		F35W/T5/840	4000	85	30000	36000	3650	3320	A	90260	39991
		F35W/T5/865	6500	85	30000	36000	3400	3090	A	90261	39992

<b>Starcoat™ T5 High Output (ø 16 mm - 5/8")</b>											
24	549	F24W/T5/827	2700	85	30000	36000	2000	1750	A	90262	39994
		F24W/T5/830	3000	85	30000	36000	2000	1750	A	90263	39998
		F24W/T5/835	3500	85	30000	36000	2000	1750	A	90264	90196
		F24W/T5/840	4000	85	30000	36000	2000	1750	A	90265	90197
		F24W/T5/865	6500	85	30000	36000	1900	1600	A	90266	90198
39	849	F39W/T5/827	2700	85	30000	36000	3500	3200	A	90267	90200
		F39W/T5/830	3000	85	30000	36000	3500	3200	A	90268	90201
		F39W/T5/835	3500	85	30000	36000	3500	3200	A	90269	90202
		F39W/T5/840	4000	85	30000	36000	3500	3200	A	90270	90203
		F39W/T5/865	6500	85	30000	36000	3330	2950	A	90271	90204
49	1449	F49W/T5/827	2700	85	30000	36000	4900	4450	A	90277	90220
		F49W/T5/830	3000	85	30000	36000	4900	4450	A	90278	90219
		F49W/T5/835	3500	85	30000	36000	4900	4450	A	90279	90221
		F49W/T5/840	4000	85	30000	36000	4900	4450	A	90280	90223
		F49W/T5/865	6500	85	30000	36000	4650	4100	A	90281	90224
54	1149	F54W/T5/827	2700	85	30000	36000	5000	4460	A	90272	90205
		F54W/T5/830	3000	85	30000	36000	5000	4460	A	90273	90232
		F54W/T5/835	3500	85	30000	36000	5000	4460	A	90274	90206
		F54W/T5/840	4000	85	30000	36000	5000	4460	A	90275	90209
		F54W/T5/865	6500	85	30000	36000	4750	4100	A	90276	90211
80	1449	F80W/T5/827	2700	85	30000	36000	7000	6450	A	90282	90225
		F80W/T5/830	3000	85	30000	36000	7000	6450	A	90283	90226
		F80W/T5/840	4000	85	30000	36000	7000	6450	A	90285	90227
		F80W/T5/865	6500	85	30000	36000	6650	5950	A	90286	90228

