



PHILIPS

MASTER TL5 Lamps

The perfect fit

A full range of
MASTER TL5 Lamps

A man with short brown hair and a light beard, wearing a dark blue jacket over a white t-shirt, is looking upwards and to the right with a slight smile. He is in a modern office hallway with glass walls and ceiling-mounted Philips MASTER TL5 lamps. The lighting is bright and even, highlighting the man's features and the clean lines of the office environment.

Philips MASTER TL5 Lamps

Today's proven standard

It's been more than a decade since Philips introduced MASTER TL5 Lamps and Gear as first in the world. They have proven to be a very reliable and efficient lighting solution for countless applications and installations world-wide. Still we keep on innovating in this product line to meet evolving customer requirements. This has led to the recent launches of the Eco concept for ultimate efficiency in fluorescent lighting and EcoPlus, the ultimate step in energy saving.



An extensive range to provide the perfect fit

The MASTER TL5 range includes an extensive choice of lamps to choose from. With lifetimes up to 70,000 hours (12 hour switching cycle), efficacy up to 114 lm/W, color rendering >90, shatterproof coating, circular forms and high temperature independency, you are able to provide your customer the lamp that perfectly meets his needs.

A continuous drive to improve the environmental impact of our fluorescent lighting

In pursuit of a brighter future, Philips is constantly aiming for greener TL5 lighting systems.

Energy Saving

Philips MASTER TL5 systems save up to 28% on energy consumption compared with TL-D systems. Energy efficiency has been further improved with the new Eco and EcoPlus ranges, helping to both save on energy costs and reduce CO₂ emissions.

Lifetime & reliability

Philips MASTER TL5 systems offer a long, reliable lifetime and help to minimize recycling costs. The lifetime of the Xtra versions is even 70,000 hours (based on 12 hour switching cycle).

Minimized substances

Philips MASTER TL5 lamps contain a minimized level of mercury.



MASTER TL5

High Efficiency family

A full range available to provide your customer with the optimized energy efficiency he needs.

High Efficiency



High Efficiency Eco



High Efficiency Xtra Eco



High Efficiency Secura



	High Efficiency	High Efficiency Eco	High Efficiency Xtra Eco	High Efficiency Secura
Power range (W)	14-21-28-35	13-19-25-32	13-25-32	14-28-35
Color temp (K)	2700/3000/3500/ 4000/5000/6500	3000/4000/6500	3000/4000	3000/4000
CRI	>80	>80	>80	>80
Life to 50% failures at 3 hrs cycle	24,000	25,000	45,000	24,000
Maximum light output (lm)	1350-2100- 2900-3650	1350-2100- 2900-3650	1350-2900- 3650	1350-2900- 3650
Efficacy (lm/W)	91-105	100-114	104-114	99-105
Special function	-	higher efficacy	extra long life and higher efficacy	shatterproof
Recommended for	offices, shops, schools, public buildings and industry	offices, shops, schools, public buildings and industry	offices, shops, public buildings and industry	food & beverage industry, sports halls and day care centers





MASTER TL5

High Output family

A full range of possibilities to provide your customer the perfect high brightness he needs.

High Output



High Output Eco












High Output EcoPlus



High Output Xtra



	High Output	High Output Eco	High Output EcoPlus	High Output Xtra
Power range (W)	24-39-49-54-80	20-34-45-50-73	41-44-66	49-54-80
Color temp (K)	2700/3000/3500/ 4000/5000/6500	3000/4000/ 5000/6500	3000/4000	3000/4000
CRI	>80	>80	>80	>80
Life to 50% failures at 3 hrs cycle	30,000	30,000	30,000	45,000
Maximum light output (lm)	1950-3500-4900- 5000-7000	1950-3500-4900- 5000-7000	4400-4500- 6400	4900-5000- 7000
Efficacy (lm/W)	81-99	93-109	97-107	88-99
Special function	-	higher efficacy	extra energy saving	extra long life
Recommended for	supermarkets / hypermarkets, public buildings, industry and warehousing	supermarkets / hypermarkets, public buildings, industry and warehousing	supermarkets / hypermarkets, public buildings, industry and warehousing	supermarkets / hypermarkets, public buildings, industry and warehousing

High Output TOP	High Output Secura	High Output DeLuxe
 	 	 
		
49-54-80	49-54-80	24-49-54
4000	3000/4000	4000/5000/6500
>80	>80	91-93
24,000	30,000	30,000
4900-5000-7000	4900-5000-7000	1600-4200-4300
88-99	88-99	71-85
less temperature dependent	shatterproof	higher color rendering
warm applications	shops and industry	shops, musea, hospitals, color checking





MASTER TL5

Circular



Powerful, ultra-slim circular lamps.

Circular



Power range (W)	22-40-55-60
Color temp (K)	2700/3000/3500/ 4000/6500
CRI	>80
Life to 50% failures at 3 hrs cycle	12000
Maximum light output (lm)	1800-3300- 4200-5000
Efficacy (lm/W)	73-83
Special function	round form & single capped
Recommended for	homes, shops, offices and public buildings



Optimized performance in an optimized system

Philips electronic drivers

Philips, as the inventor of the HF electronic ballasts, offers a wide portfolio of energy-efficient solutions for indoor and outdoor applications. Implementing electronic technology will bring you substantial benefits like:

- energy savings (up to 75%)
- lamp life extension (up to 30%)
- better handling of voltage fluctuations
- constant light output over a wide voltage range.

Moreover, electronic drivers offer fast, flicker-free ignition of the lamps. The result? No end-of-life flickering, avoidance of stroboscopic effects and reduced eye strain.

HF-Regulator 1-10V and Dali ranges

Electronic dimmable drivers

The Philips HF-Regulator driver family is the perfect portfolio for energy saving or scene setting applications. The HF-Regulator can set the required light levels via 1-10 V, Touch and DIM or DALI protocol.

The HF-Regulator family is suitable for a wide range of applications and operates seamlessly with simple, stand-alone controls, networked solutions and entire building management systems.



HF-Performer III and HF-SelectaLume II ranges

Electronic fixed output drivers

Philips HF-Performer drivers have been designed to ensure high energy efficiency and can be used with presence detection for additional energy savings.



Intelligent drivers

The most flexible, multi-lamp solution for optimal stock-keeping management

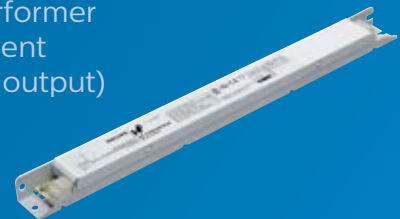
Intelligent drivers are available in both Regulator and Performer version and provide intelligent lamp recognition for TL5, TL-D and PL-L lamps. Different lamp types can be operated with the same driver,

allowing for optimized logistics. Please check on the specific driver which lamps and wattages it operates exactly.

HF Regulator Intelligent (Dali)



HF Performer intelligent (Fixed output)



Additional energy savings, comfort and flexibility

Philips Controls

OccuSwitch



OccuSwitch is a stand-alone movement detector that switches lights off when an area is vacated. This is a simple but effective way to achieve energy savings of up to 30%.

OccuSwitch Wireless



OccuSwitch Wireless exists of a wireless sensor and actuator (relais unit), offering an easy-to-apply solution for existing lighting systems. It can be used regardless of the lighting source on any ceiling or wiring system, allowing for energy savings of up to 30%.

Visit the website

Visit our ecatalog for further information
www.philips.com/conventional



Product specifications

MASTER TL5 High Efficiency



 2700 / 3000/ 3500/
4000/ 5000/ 6500



G5



CRI > 80



DIMMABLE



24,000 H



EEL

Full product name*	Color temperature	Lamp Wattage EL 35 °C	Luminous Flux 35 °C	EOC
	K	W	lm	
14W/827 1SL/40	2700	13.7	1350	64102155
14W/830 UNP/40	3000	13.7	1350	61063855
14W/830 1SL/40	3000	13.7	1350	63938755
14W/830 1SL/20	3000	13.7	1350	63938705
14W/835 1SL/40	3500	13.7	1350	70765955
14W/840 UNP/40	4000	13.7	1350	61066955
14W/840 1SL/40	4000	13.7	1350	63940055
14W/840 1SL/20	4000	13.7	1350	63940005
14W/850 1SL/40	5000	13.7	1300	26127455
14W/865 UNP/40	6500	13.7	1250	61068355
14W/865 1SL/40	6500	13.7	1250	71009355
21W/827 1SL/40	2700	20.7	2100	64320955
21W/830 UNP/40	3000	20.7	2100	61070655
21W/830 1SL/40	3000	20.7	2100	63942455
21W/830 1SL/20	3000	20.7	2100	63942405
21W/835 1SL/40	3500	20.7	2100	11501400
21W/840 UNP/40	4000	20.7	2100	61072055
21W/840 1SL/40	4000	20.7	2100	63944855
21W/840 1SL/20	4000	20.7	2100	63944805
21W/865 UNP/40	6500	20.7	1950	61077555
21W/865 1SL/40	6500	20.7	1950	71011655
28W/827 1SL/40	2700	27.8	2900	64322355
28W/830 UNP/40	3000	27.8	2900	61081255
28W/830 1SL/40	3000	27.8	2900	63946255
28W/830 1SL/20	3000	27.8	2900	63946205
28W/835 1SL/40	3500	27.8	2900	71004855
28W/840 UNP/40	4000	27.8	2900	61090455
28W/840 1SL/40	4000	27.8	2900	63948655
28W/840 1SL/20	4000	27.8	2900	63948605
28W/850 1SL/40	5000	27.8	2775	26020855
28W/865 UNP/40	6500	27.8	2700	61092855
28W/865 1SL/40	6500	27.8	2700	71015455
35W/827 1SL/40	2700	34.7	3650	64324755
35W/830 UNP/40	3000	34.7	3650	61103155
35W/830 1SL/40	3000	34.7	3650	63950955
35W/830 1SL/20	3000	34.7	3650	63950905
35W/835 1SL/40	3500	34.7	3650	71006255
35W/840 UNP/40	4000	34.7	3650	61105555
35W/840 1SL/40	4000	34.7	3650	63952355
35W/840 1SL/20	4000	34.7	3650	63952305
35W/865 UNP/40	6500	34.7	3400	61107955
35W/865 1SL/40	6500	34.7	3400	71018555

- Lifetime to 50% failures (165 min on/15 min off/ preheat electronic driver): 24,000 hrs
- Lumen maintenance at 8,000 hrs 93%; at 20,000 hrs 90%
- Designed for optimal performance at 35 °C lamp ambient temperature
- Dimmable: yes (down to 10%)
- Mercury content: 1.4 mg

- * 1SL/20: individual packed lamp 20 pcs per outercarton
- * 1SL/40: individual packed lamp 40 pcs per outercarton
- * UNP/40: unpacked lamp 40 pcs per outercarton

MASTER TL5 High Efficiency Eco




3000/ 3500/
4000/ 6500



G5



CRI > 80



DIMMABLE



25,000 H



EEL

Full product name*	Color temperature	Lamp Wattage EL 35 °C	Luminous Flux 35 °C	EOC
	K	W	lm	
13=14W/830 UNP/40	3000 K	12.5 W	1350 lm	88081600
13=14W/830 1SL/40	3000 K	12.5 W	1350 lm	90800801
13=14W/840 UNP/40	4000 K	12.5 W	1350 lm	88083000
13=14W/840 1SL/40	4000 K	12.5 W	1350 lm	90806001
13=14W/865 1SL/40	6500 K	12.5 W	1250 lm	90808401
19=21W/830 1SL/40	3000 K	18.7 W	2100 lm	91812001
19=21W/840 1SL/40	4000 K	18.7 W	2100 lm	91814401
25=28W/830 UNP/40	3000 K	25.5 W	2900 lm	82588600
25=28W/830 1SL/40	3000 K	25.5 W	2900 lm	90818301
25=28W/835 UNP/40	3500 K	25.5 W	2900 lm	15350400
25=28W/840 UNP/40	4000 K	25.5 W	2900 lm	82589300
25=28W/840 1SL/40	4000 K	25.5 W	2900 lm	90820601
25=28W/865 UNP/40	6500 K	25.5 W	2700 lm	90056900
25=28W/865 1SL/40	6500 K	25.5 W	2700 lm	90822001
32=35W/830 UNP/40	3000 K	32.1 W	3650 lm	82592300
32=35W/830 1SL/40	3000 K	32.1 W	3650 lm	90824401
32=35W/835 UNP/40	3500 K	32.1 W	3650 lm	15353500
32=35W/840 UNP/40	4000 K	32.1 W	3650 lm	82593000
32=35W/840 1SL/40	4000 K	32.1 W	3650 lm	90826801
32=35W/865 1SL/40	6500 K	32.1 W	3400 lm	90828201

- Lifetime to 50% failures (165 min on/15 min off/ preheat electronic driver): 25,000 hrs
- Lumen maintenance at 8,000 hrs 93%; at 20,000 hrs 90%
- Designed for optimal performance at 35 °C lamp ambient temperature
- Dimmable: yes (down to 10%)
- Mercury content: 1.4 mg

- * 1SL/40: individual packed lamp 40 pcs per outer carton
- * UNP/40: unpacked lamp 40 pcs per outer carton

MASTER TL5 High Efficiency Xtra Eco




3000/ 3500/
4000/ 6500



G5



CRI > 80



DIMMABLE



25,000 H



EEL

Full product name*	Color temperature	Lamp Wattage EL 35 °C	Luminous Flux 35 °C	EOC
	K	W	lm	
13=14W/830 1SL/40	3000 K	12.5 W	1350 lm	66940100
13=14W/840 1SL/40	4000 K	12.5 W	1350 lm	66942500
25=28W/830 1SL/40	3000 K	25.5 W	2900 lm	66944900
25=28W/840 1SL/40	4000 K	25.5 W	2900 lm	66946300
32=35W/830 1SL/40	3000 K	32.1 W	3650 lm	66948700
32=35W/840 1SL/40	4000 K	32.1 W	3650 lm	66950000

- Lifetime to 50% failures (165 min on/15 min off/ preheat electronic driver): 45,000 hrs
- Lumen maintenance at 8,000 hrs 93%; at 20,000 hrs 90%
- Designed for optimal performance at 35 °C lamp ambient temperature
- Dimmable: yes (down to 30%)
- Mercury content: 3 mg

- * 1SL/40: individual packed lamp 40 pcs per outer carton

MASTER TL5 High Output



2700 / 3000/ 3500/
4000/ 5000/ 6500



G5



CRI > 80



DIMMABLE



30,000 H



EEL

Full product name*	Color temperature	Lamp Wattage EL 35 °C	Luminous Flux 35 °C	EOC
	K	W	lm	
24W/827 1SL/40	2700 K	22.5 W	1950 lm	64308755
24W/830 UNP/40	3000 K	22.5 W	1950 lm	63698055
24W/830 1SL/40	3000 K	22.5 W	1950 lm	63958555
24W/830 1SL/20	3000 K	22.5 W	1950 lm	63958505
24W/840 UNP/40	4000 K	22.5 W	1950 lm	63704855
24W/840 1SL/40	4000 K	22.5 W	1950 lm	63960855
24W/840 1SL/20	4000 K	22.5 W	1950 lm	63960805
24W/865 1SL/40	6500 K	22.5 W	1825 lm	64393355
39W/827 1SL/40	2700 K	38.0 W	3500 lm	64310055
39W/830 UNP/40	3000 K	38.0 W	3500 lm	63716155
39W/830 1SL/40	3000 K	38.0 W	3500 lm	63962255
39W/840 UNP/40	4000 K	38.0 W	3500 lm	63722255
39W/840 1SL/40	4000 K	38.0 W	3500 lm	63964655
39W/840 1SL/20	4000 K	38.0 W	3500 lm	63964605
39W/865 1SL/40	6500 K	38.0 W	3250 lm	64387255
49W/827 1SL/40	2700 K	49.3 W	4900 lm	64312455
49W/830 UNP/40	3000 K	49.3 W	4900 lm	63752955
49W/830 1SL/40	3000 K	49.3 W	4900 lm	63954755
49W/830 1SL/20	3000 K	49.3 W	4900 lm	63954705
49W/835 1SL/40	3500 K	49.3 W	4900 lm	11503800
49W/840 UNP/40	4000 K	49.3 W	4900 lm	63758155
49W/840 1SL/40	4000 K	49.3 W	4900 lm	63956155
49W/840 1SL/20	4000 K	49.3 W	4900 lm	63956105
49W/865 UNP/40	6500 K	49.3 W	4550 lm	63764255
49W/865 1SL/40	6500 K	49.3 W	4550 lm	64389655
54W/827 UNP/40	2700 K	53.8 W	5000 lm	63731455
54W/827 1SL/40	2700 K	53.8 W	5000 lm	64314855
54W/830 UNP/40	3000 K	53.8 W	5000 lm	63734555
54W/830 1SL/40	3000 K	53.8 W	5000 lm	64316255
54W/830 1SL/20	3000 K	53.8 W	5000 lm	64316205
54W/840 UNP/40	4000 K	53.8 W	5000 lm	63740655
54W/840 1SL/40	4000 K	53.8 W	5000 lm	64318655
54W/840 1SL/20	4000 K	53.8 W	5000 lm	64318605
54W/850 UNP/40	5000 K	53.8 W	4800 lm	63743755
54W/865 1SL/40	6500 K	53.8 W	4650 lm	64391955
80W/827 1SL/40	2700 K	80.0 W	7000 lm	11505200
80W/830 UNP/40	3000 K	80.0 W	7000 lm	64436755
80W/830 1SL/40	3000 K	80.0 W	7000 lm	71040655
80W/840 UNP/40	4000 K	80.0 W	7000 lm	64438155
80W/840 1SL/40	4000 K	80.0 W	7000 lm	71045155
80W/840 1SL/20	4000 K	80.0 W	7000 lm	71045105
80W/865 UNP/40	6500 K	80.0 W	6650 lm	64440455
80W/865 1SL/40	6500 K	80.0 W	6650 lm	71047555

- Lifetime to 50% failures (165 min on/15 min off/ preheat electronic driver): 30,000 hrs
- Lumen maintenance at 8,000 hrs 93%; at 20,000 hrs 90%
- Designed for optimal performance at 35 °C lamp ambient temperature
- Dimmable: yes (down to 10%)
- Energy Efficiency Label: All 39, 49 and 54 W except 39 W/865 and 54 W/865: A+; All 24 & 80 W and 39 W/865 and 54 W/865 types: A
- Mercury content: 1.4 mg

- * 1SL/20: individual packed lamp 20 pcs per outercarton
- * 1SL/40: individual packed lamp 40 pcs per outercarton
- * UNP/40: unpacked lamp 40 pcs per outercarton

MASTER TL5 High Efficiency Secura



 3000/ 4000



G5



CRI > 80



DIMMABLE



24,000 H



EEL

Full product name*	Color temperature	Lamp Wattage EL 35 °C	Luminous Flux 35 °C	EOC
	K	W	lm	
14W/830 UNP/40	3000 K	13.7 W	1350 lm	95474955
14W/840 UNP/40	4000 K	13.7 W	1350 lm	95476355
28W/830 UNP/40	3000 K	27.8 W	2900 lm	95213455
28W/840 UNP/40	4000 K	27.8 W	2900 lm	95215855
35W/830 UNP/40	3000 K	34.7 W	3650 lm	95217255
35W/840 UNP/40	4000 K	34.7 W	3650 lm	95219655

- Lifetime to 50% failures (165 min on/15 min off/ preheat electronic driver): 24,000 hrs
- High temperature-resistance (up to 200 °C) and no degradation under influence of temperature or UV
- Lumen maintenance at 8,000 hrs 93%; at 20,000 hrs 90%
- Designed for optimal performance at 35 °C lamp ambient temperature
- Dimmable: yes (down to 10%)
- Mercury content: 1.4 mg

* UNP/40: unpacked lamp 40 pcs per outercarton

MASTER TL5 High Output Eco



 3000/ 3500/
4000/ 6500



G5



CRI > 80



DIMMABLE



30,000 H



EEL

Full product name*	Color temperature	Lamp Wattage EL 35 °C	Luminous Flux 35 °C	EOC
	K	W	lm	
20=24W/830 UNP/40	3000 K	19.6 W	1950 lm	88084700
20=24W/830 1SL/40	3000 K	19.6 W	1950 lm	90810701
20=24W/835 UNP/40	3500K	19.6 W	1950 lm	88085400
20=24W/840 UNP/40	4000 K	19.6 W	1950 lm	88086100
20=40W/840 1SL/40	4000 K	19.6 W	1950 lm	90814501
20=24W/865 1SL/40	6500 K	19.6 W	1825 lm	90816901
34=39W/830 1SL/40	3000 K	34.2 W	3500 lm	91806901
34=39W/835 UNP/40	3500 K	34.2 W	3500 lm	15355900
34=39W/840 1SL/40	4000 K	34.2 W	3500 lm	91808301
45=49W/830 UNP/40	3000 K	45.1 W	4900 lm	82594700
45=49W/830 1SL/40	3000 K	45.1 W	4900 lm	90838101
45=49W/835 UNP/40	3500 K	45.1 W	4900 lm	15357300
45=49W/840 UNP/40	4000 K	45.1 W	4900 lm	82595400
45=49W/840 1SL/40	4000 K	45.1 W	4900 lm	90840401
45=49W/865 1SL/40	6500 K	45.1 W	4550 lm	90842801
50=54W/830 UNP/40	3000 K	48.9 W	5000 lm	82590900
50=54W/830 1SL/40	3000 K	48.9 W	5000 lm	90832901
50=54W/840 UNP/40	4000 K	48.9 W	5000 lm	82591600
50=54W/840 1SL/40	4000 K	48.9 W	5000 lm	90834301
50=54W/850 UNP/40	5000K	48.9 W	4800 lm	88991800
50=54W/865 UNP/40	6500 K	48.9 W	4650 lm	90183200
50=54W/865 1SL/40	6500 K	48.9 W	4650 lm	90836701
73=80W/830 UNP/40	3000 K	73.1 W	7000 lm	82596100
73=80W/830 1SL/40	3000 K	73.1 W	7000 lm	90844201
73=80W/840 UNP/40	4000 K	73.1 W	7000 lm	82597800
73=80W/840 1SL/40	4000 K	73.1 W	7000 lm	90846601
73=80W/865 1SL/40	6500 K	73.1 W	6650 lm	90848001

- Lifetime to 50% failures (165 min on/15 min off/ preheat electronic driver): 30,000 hrs
- Lumen maintenance at 8,000 hrs 93%; at 20,000 hrs 90%
- Designed for optimal performance at 35 °C lamp ambient temperature
- Dimmable: yes (down to 10%)
- Mercury content: 1.4 mg

* 1SL/40: individual packed lamp 40 pcs per outercarton
* UNP/40: unpacked lamp 40 pcs per outercarton

MASTER TL5 High Output EcoPlus



Full product name*	Color temperature	Lamp Wattage EL 35 °C	Luminous Flux 35 °C	EOC
	K	W	lm	
41=49W/830 UNP/40	3000 K	41.0 W	4400 lm	66336200
41=49W/840 UNP/40	4000 K	41.0 W	4400 lm	66337900
44=54W/830 UNP/40	3000 K	44.0 W	4500 lm	66332400
44=54W/840 UNP/40	4000 K	44.0 W	4500 lm	66333100
66=80W/830 UNP/40	3000 K	66.0 W	6400 lm	66340900
66=80W/840 UNP/40	4000 K	66.0 W	6400 lm	66341600

- Lifetime to 50% failures (165 min on/15 min off/ preheat electronic driver): 30,000 hrs
 - Lumen maintenance at 8,000 hrs 93%; at 20,000 hrs 90%
 - Designed for optimal performance at 35 °C lamp ambient temperature
 - Not designed for dimming
 - Mercury content: 1.4 mg
- * UNP/40 : unpacked lamp 40 pcs per outercarton

MASTER TL5 High Output Xtra



Full product name*	Color temperature	Lamp Wattage EL 35 °C	Luminous Flux 35 °C	EOC
	K	W	lm	
49W/830 1SL/20	3000 K	49.3 W	4900 lm	26251605
49W/840 1SL/20	4000 K	49.3 W	4900 lm	26253005
54W/830 1SL/20	3000 K	53.8 W	5000 lm	26323005
54W/840 1SL/20	4000 K	53.8 W	5000 lm	26352005
80W/830 1SL/20	3000 K	80.0 W	7000 lm	26261505
80W/840 1SL/20	4000 K	80.0 W	7000 lm	26303205

- Lifetime to 50% failures (165 min on/15 min off/ preheat electronic driver): 45,000 hrs
 - Lumen maintenance at 8,000 hrs 93%; at 20,000 hrs 90%
 - Designed for optimal performance at 35 °C lamp ambient temperature
 - Dimmable: yes (down to 30%)
 - Energy Efficiency Label: All 49 W and 54 W except 54 W/850: A+; All 80 W and 54 W /850 types: A
 - Mercury content: 3.0 mg
- * 1SL/20: individual packed lamp 20 pcs per outercarton

MASTER TL5 High Output Secura



Full product name*	Color temperature	Lamp Wattage EL 35 °C	Luminous Flux 35 °C	EOC
	K	W	lm	
49W/830 UNP/40	3000 K	49.3 W	4900 lm	95225755
49W/840 UNP/40	4000 K	49.3 W	4900 lm	95227155
54W/830 UNP/40	3000 K	53.8 W	5000 lm	95229555
54W/840 UNP/40	4000 K	53.8 W	5000 lm	95231855
80W/830 UNP/40	3000 K	80.0 W	7000 lm	95233255
80W/840 UNP/40	4000 K	80.0 W	7000 lm	95235655

- Lifetime to 50% failures (165 min on/15 min off/ preheat electronic driver): 30,000 hrs
 - Lumen maintenance at 8,000 hrs 93%; at 20,000 hrs 90%
 - High temperature-resistance (up to 200 °C) and no degradation under influence of temperature or UV
 - Designed for optimal performance at 35 °C lamp ambient temperature
 - Dimmable: yes (down to 10%)
 - Energy Efficiency Label: All 49 W and 54 W: A+; All 80 W: A
 - Mercury content: 1.4 mg
- * 1SL/20: individual packed lamp 20 pcs per outercarton

MASTER TL5 High Output TOP



4000



G5



CRI > 80



DIMMABLE



24,000 H



EEL

Full product name*	Color temperature	Lamp Wattage EL 35 °C	Luminous Flux 35 °C	EOC
	K	W	lm	
49W/840 1SL/20	4000 K	49.3 W	4900 lm	26687305
54W/840 1SL/20	4000 K	53.8 W	5000 lm	26695805
80W/840 1SL/20	4000 K	80.0 W	7000 lm	26691005

- Lifetime to 50% failures (165 min on/15 min off/ preheat electronic driver): 24,000 hrs
 - Lumen maintenance at 8,000 hrs 93%; at 20,000 hrs 90%
 - Designed for optimal performance at 35 °C lamp ambient temperature
 - Dimmable: yes (down to 10%)
 - Energy Efficiency Label: 49 W and 54 W: A+; 80 W: A
 - Mercury content: 2.2 mg
- * 1SL/20: individual packed lamp 20 pcs per outercarton

MASTER TL5 High Output DeLuxe



3000/ 4000



G5



CRI > 80



DIMMABLE



30,000 H



EEL

Full product name*	Color temperature	Lamp Wattage EL 35 °C	Luminous Flux 35 °C	EOC
	K	W	lm	
24W/940 1SL/20	4000 K	22.5 W	1600 lm	86895400
24W/950 1SL/20	5000 K	22.5 W	1600 lm	89064100
24W/965 1SL/20	6500 K	22.5 W	1600 lm	26130400
49W/940 1SL/20	4000 K	49.3 W	4200 lm	86897800
49W/950 1SL/20	5000 K	49.3 W	4200 lm	89062700
49W/965 1SL/20	6500 K	49.3 W	4200 lm	86972200
54W/940 1SL/20	4000 K	54.0 W	4300 lm	86905000
54W/950 1SL/20	5000 K	53.8 W	4300 lm	89066500
54W/965 1SL/20	6500 K	54.0 W	4300 lm	86983800

- Lifetime to 50% failures (165 min on/15 min off/ preheat electronic driver): 30,000 hrs
 - Lumen maintenance at 8,000 hrs 93%; at 20,000 hrs 90%
 - Designed for optimal performance at 35 °C lamp ambient temperature
 - Dimmable: yes (down to 10%)
 - Mercury content: 1.4 mg
- * 1SL/20: individual packed lamp 20 pcs per outercarton

MASTER TL5 Circular



3000/ 4000



2GX13



CRI > 80



DIMMABLE



30,000 H



EEL

Full product name*	Color temperature	Lamp Wattage EL 35 °C	Luminous Flux 35 °C	EOC
	K	W	lm	
22W/827 1CT/10	2700 K	22.3 W	1800 lm	64219625
22W/830 1CT/10	3000 K	22.3 W	1800 lm	64095625
22W/835 1CT/10	3500 K	22.3 W	1800 lm	70683625
22W/840 1CT/10	4000 K	22.3 W	1800 lm	64221925
22W/865 1CT/10	6500 K	22.3 W	1740 lm	27649000
40W/827 1CT/10	2700 K	39.9 W	3300 lm	64275225
40W/830 1CT/10	3000 K	39.9 W	3300 lm	64097025
40W/840 1CT/10	4000 K	39.9 W	3300 lm	64223325
40W/865 1CT/10	6500 K	39.9 W	3100 lm	27650600
55W/830 1CT/10	3000 K	55.0 W	4200 lm	64279025
55W/840 1CT/10	4000 K	55.0 W	4200 lm	64251625
55W/865 1CT/10	6500 K	55.0 W	4000 lm	27651300
60W/830 1CT/10	3000 K	60.0 W	5000 lm	64259225
60W/840 1CT/10	4000 K	60.0 W	5000 lm	64261525

- Lifetime to 50% failures (165 min on/15 min off/ preheat electronic driver): 12,000 hrs
 - Lumen maintenance at 8,000 hrs 81%; at 20,000 hrs 72%
 - Designed for optimal performance at 25 °C lamp ambient temperature
 - Dimmable: yes (down to 10%)
 - Mercury content: 2.5 mg
- * 1CT/10 : individual packed lamp 10 pcs per outercarton

