

Efficient fluorescent lighting with improved color rendering

MASTER TL-D Super 80

The MASTER TL-D Super 80 lamp offers more lumens per watt and better color rendering than TL-D standard colors. Furthermore, it has a lower mercury content. The lamp can be operated in existing TL-D luminaires.

Benefits

- Good color rendering
- Relatively high efficacy, both initially and during lamp lifetime, with high lumen maintenance
- Create atmospheres from warm white to cool daylight

Features

- Highly efficient 3-band fluorescent coating
- High initial light output compared with standard colors
- Low mercury dose
- Can be used with conventional or electronic gear
- Higher efficacy is achieved with electronic gear

Application

- Suitable for use in a wide range of luminaires for TL-D fluorescent lamps for 'human' applications such as schools, offices, shops, factory halls etc.

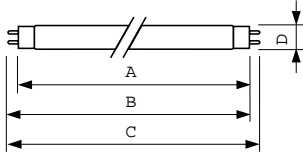
MASTER TL-D Super 80

Versions



MASTER TL-D Super 80

Dimensional drawing



Product	D	A	B	B	C
MASTER TL-D Super 80 23W/830 SLV/25	28 mm	970.0 mm	977.1 mm	974.7 mm	984.2 mm
MASTER TL-D Super 80 18W/840 UNP/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
MASTER TL-D Super 80 18W/840 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
MASTER TL-D Super 80 1m 36W/865 1SL/25	28 mm	970.0 mm	977.1 mm	974.7 mm	984.2 mm
MASTER TL-D Super 80 23W/840 SLV/25	28 mm	970.0 mm	977.1 mm	974.7 mm	984.2 mm
MASTER TL-D Super 80 38W/840 SLV/25	28 mm	1047.0 mm	1054.1 mm	1051.7 mm	1061.2 mm
MASTER TL-D Super 80 58W/865 1SL/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
MASTER TL-D Super 80 58W/865 1SL/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
MASTER TL-D Super 80 36W/840 1SL/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
MASTER TL-D Super 80 36W/840 UNP/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
MASTER TL-D Super 80 1m 36W/830 SLV/25	28 mm	970.0 mm	977.1 mm	974.7 mm	984.2 mm
MASTER TL-D Super 80 30W/830 1SL/25	28 mm	894.6 mm	901.7 mm	899.3 mm	908.8 mm
TLDRS16W-S84ECO 25PK	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
MASTER TL-D Super 80 58W/840 1SL/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
MASTER TL-D Super 80 58W/840 UNP/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
MASTER TL-D Super 80 58W/840 1SL/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
MASTER TL-D Super 80 18W/865 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
TLDRS16W-S83ECO 25PK	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
MASTER TL-D Super 80 15W/840 SLV/25	28 mm	437.4 mm	444.5 mm	442.1 mm	451.6 mm
MASTER TL-D Super 80 36W/835 1SL/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
MASTER TL-D Super 80 30W/840 1SL/25	28 mm	894.6 mm	901.7 mm	899.3 mm	908.8 mm
MASTER TL-D Super 80 18W/835 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
MASTER TL-D Super 80 58W/827 1SL/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
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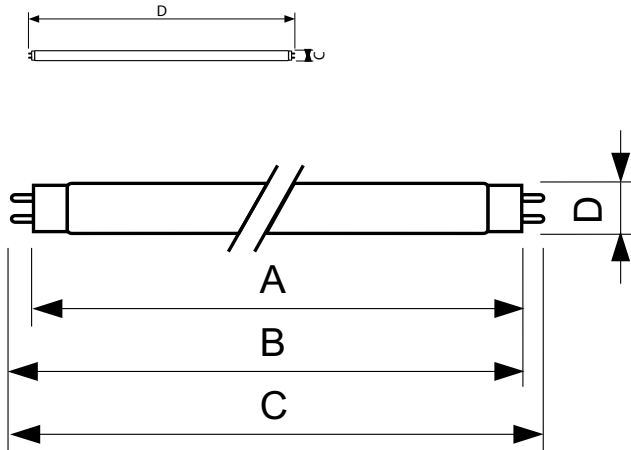
MASTER TL-D Super 80

Dimensional drawing

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MASTER TL-D Super 80 30W/827 SLV/25	28 mm	894.6 mm	901.7 mm	899.3 mm	908.8 mm
MASTER TL-D Super 80 70W/835 SLV/25	28 mm	1763.8 mm	1770.9 mm	1768.5 mm	1778 mm
MASTER TL-D Super 80 14W/840 SLV/25	28 mm	361.2 mm	368.3 mm	365.9 mm	375.4 mm
MASTER TL-D Super 80 1m 36W/840 SLV/25	28 mm	970.0 mm	977.1 mm	974.7 mm	984.2 mm
MASTER TL-D Super 80 58W/835 1SL/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
MASTER TL-D Super 80 30W/865 SLV/25	28 mm	894.6 mm	901.7 mm	899.3 mm	908.8 mm
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MASTER TL-D Super 80 38W/830 SLV/25	28 mm	1047.0 mm	1054.1 mm	1051.7 mm	1061.2 mm
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MASTER TL-D Super 80 36W/840 1SL/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm

MASTER TL-D Super 80

Dimensional drawing



Product
TLDRS32W-S84ECO 25PK
TLDRS16W-S85ECO 25PK
TLDRS32W-S83ECO 25PK
TLDRS32W-S85ECO 25PK

Product	D	A	B	B	C
TL-D 58W/840 1SL/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
TL-D 36W/840 1SL/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
TL-D 18W/850 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
TL-D 18W/865 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
TL-D 36W/830 1SL/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
TL-D 36W/865 1SL/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
TL-D 18W/830 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
TL-D 36W/850 1SL/25	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
TL-D 58W/865 1SL/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
TL-D 18W/840 1SL/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm

General Information

Cap-Base

G13

Approval and Application

order code	Energy Consumption kWh/ 1000 h	Energy Saving Product	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)	Picogram Per Lumen Hour
927850073002	20 kWh	-	A	3.0 mg	-
927850074102	20 kWh	-	A	3.0 mg	-
927920082723	22 kWh	-	A	2.0 mg	-
927920082755	22 kWh	-	A	2.0 mg	-
927920083023	22 kWh	-	A	2.0 mg	-
927920083069	22 kWh	-	A	2.0 mg	-
927920083523	22 kWh	-	A	2.0 mg	-
927920084023	22 kWh	-	A	2.0 mg	-
927920084055	22 kWh	-	A	2.0 mg	-
927920084069	22 kWh	-	A	2.0 mg	-
927920086544	22 kWh	-	A	2.0 mg	-
927920582723	36 kWh	-	A	2.0 mg	-
927920583023	36 kWh	-	A	2.0 mg	-
927920584023	36 kWh	-	A	2.0 mg	-
927920586514	36 kWh	-	A	2.0 mg	-
927921082723	42 kWh	-	A	2.0 mg	-
927921083023	42 kWh	-	A	2.0 mg	-
927921083055	42 kWh	-	A	2.0 mg	-

order code	Energy Consumption kWh/ 1000 h	Energy Saving Product	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)	Picogram Per Lumen Hour
927921083069	42 kWh	-	A	2.0 mg	-
927921083523	42 kWh	-	A	2.0 mg	-
927921084023	42 kWh	-	A	2.0 mg	-
927921084055	42 kWh	-	A	2.0 mg	-
927921084069	42 kWh	-	A	2.0 mg	-
927921086544	42 kWh	-	A	2.0 mg	-
927922082723	68 kWh	-	A	2.0 mg	-
927922083023	68 kWh	-	A	2.0 mg	-
927922083055	68 kWh	-	A	2.0 mg	-
927922083069	68 kWh	-	A	2.0 mg	-
927922083523	68 kWh	-	A	2.0 mg	-
927922084023	68 kWh	-	A	2.0 mg	-
927922084055	68 kWh	-	A	2.0 mg	-
927922084069	68 kWh	-	A	2.0 mg	-
927922084081	68 kWh	-	A	2.0 mg	-
927922086544	68 kWh	-	A	2.0 mg	-
927922086555	68 kWh	-	A	2.0 mg	-
927922282714	19 kWh	-	B	2.0 mg	-

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order code	Energy Consumption kWh/1000 h	Energy Saving Product	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)	Picogram Per Lumen Hour
927922283014	19 kWh	-	B	2.0 mg	-
927922284014	19 kWh	-	B	2.0 mg	-
927922286514	19 kWh	-	B	2.0 mg	-
927922583014	28 kWh	-	A	2.0 mg	-
927922584014	28 kWh	-	A	2.0 mg	-
927922586514	28 kWh	-	A	2.0 mg	-
927923083014	42 kWh	-	A	2.0 mg	-
927923084014	42 kWh	-	A	2.0 mg	-
927923086514	43 kWh	-	A	2.0 mg	-
927923583014	45 kWh	-	A	2.0 mg	-
927923584014	45 kWh	-	A	2.0 mg	-
927923883014	81 kWh	-	A	3.0 mg	-
927923883514	81 kWh	-	A	3.0 mg	-
927923884014	81 kWh	-	A	3.0 mg	-
928024384001	17 kWh	-	B	2 mg	-
927850085002	-	Energy Saving	-	1.7 mg	54 pg/lm.h

order code	Energy Consumption kWh/1000 h	Energy Saving Product	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)	Picogram Per Lumen Hour
927869773002	-	Energy Saving	-	1.7 mg	27 pg/lm.h
927869774112	-	Energy Saving	-	3.0 mg	27 pg/lm.h
927869775002	-	Energy Saving	-	3.0 mg	-
927981183024	-	-	A	2.0 mg	-
927981184024	-	-	A	2.0 mg	-
927981185024	-	-	A	2.0 mg	-
927981186524	-	-	A	2.0 mg	-
927981383024	-	-	A	2.0 mg	-
927981384024	-	-	A	2.0 mg	-
927981385024	-	-	A	2.0 mg	-
927981386524	-	-	A	2.0 mg	-
927981584024	-	-	A	2.0 mg	-
927981586524	-	-	A	2.0 mg	-

Controls and Dimming

order code	Dimmable
927850073002	Yes
927850074102	Yes
927920082723	Yes
927920082755	Yes
927920083023	Yes
927920083069	Yes
927920083523	Yes
927920084023	Yes
927920084055	Yes
927920084069	Yes
927920086544	Yes
927920582723	Yes
927920583023	Yes
927920584023	Yes
927920586514	Yes
927921082723	Yes
927921083023	Yes
927921083055	Yes
927921083069	Yes
927921083523	Yes
927921084023	Yes
927921084055	Yes
927921084069	Yes
927921086544	Yes
927922082723	Yes
927922083023	Yes
927922083055	Yes
927922083069	Yes
927922083523	Yes

order code	Dimmable
927922084023	Yes
927922084055	Yes
927922084069	Yes
927922084081	Yes
927922086544	Yes
927922086555	Yes
927922282714	Yes
927922283014	Yes
927922284014	Yes
927922286514	Yes
927922583014	Yes
927922584014	Yes
927922586514	Yes
927923083014	Yes
927923084014	Yes
927923086514	Yes
927923583014	Yes
927923584014	Yes
927923883014	Yes
927923883514	Yes
927923884014	Yes
928024384001	Yes
927850085002	-
927869773002	-
927869774112	-
927869775002	-
927981183024	Yes
927981184024	Yes
927981185024	Yes

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order code	Dimmable
927981186524	Yes
927981383024	Yes
927981384024	Yes
927981385024	Yes

order code	Dimmable
927981386524	Yes
927981584024	Yes
927981586524	Yes

Operating and Electrical

order code	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
927850073002	0.265 A	-	16 W
927850074102	0.265 A	-	16 W
927920082723	0.360 A	-	18.0 W
927920082755	0.360 A	-	18.0 W
927920083023	0.360 A	-	18.0 W
927920083069	0.360 A	-	18.0 W
927920083523	0.360 A	-	18.0 W
927920084023	0.360 A	-	18 W
927920084055	0.360 A	-	18 W
927920084069	0.360 A	-	18 W
927920086544	0.360 A	-	18.0 W
927920582723	0.360 A	-	30.0 W
927920583023	0.360 A	-	30.0 W
927920584023	0.360 A	-	30.0 W
927920586514	0.360 A	-	30.0 W
927921082723	0.440 A	-	36.0 W
927921083023	0.440 A	-	36.0 W
927921083055	0.440 A	-	36.0 W
927921083069	0.440 A	-	36.0 W
927921083523	0.440 A	-	36.0 W
927921084023	0.440 A	-	36.0 W
927921084055	0.440 A	-	36.0 W
927921084069	0.440 A	-	36.0 W
927921086544	0.440 A	-	36.0 W
927922082723	0.670 A	-	58.5 W
927922083023	0.670 A	-	58.5 W
927922083055	0.670 A	-	58.5 W
927922083069	0.670 A	-	58.5 W
927922083523	0.670 A	-	58.5 W
927922084023	0.670 A	-	58.5 W
927922084055	0.670 A	-	58.5 W
927922084069	0.670 A	-	58.5 W
927922084081	0.670 A	-	58.5 W

order code	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
927922086544	0.670 A	-	58.5 W
927922086555	0.670 A	-	58.5 W
927922282714	0.340 A	-	15.0 W
927922283014	0.340 A	-	15.0 W
927922284014	0.335 A	-	15.0 W
927922286514	0.335 A	-	15.0 W
927922583014	0.295 A	-	23.0 W
927922584014	0.295 A	-	23.0 W
927922586514	0.295 A	-	23.0 W
927923083014	0.560 A	-	36.0 W
927923084014	0.560 A	-	36 W
927923086514	0.560 A	-	36.0 W
927923583014	0.430 A	-	38.0 W
927923584014	0.430 A	-	38.0 W
927923883014	0.690 A	-	70.0 W
927923883514	0.690 A	-	70.0 W
927923884014	0.690 A	-	70.0 W
928024384001	0.380 A	-	14.0 W
927850085002	-	-	17 W
927869773002	-	-	32 W
927869774112	-	-	32 W
927869775002	-	-	32 W
927981183024	0.360 A	59 V	18 W
927981184024	0.360 A	59 V	18 W
927981185024	0.360 A	59 V	18 W
927981186524	0.360 A	59 V	18 W
927981383024	0.440 A	103 V	36 W
927981384024	0.440 A	103 V	36 W
927981385024	0.440 A	103 V	36 W
927981386524	0.440 A	103 V	36 W
927981584024	0.670 A	111 V	58 W
927981586524	0.670 A	111 V	58 W

General Information (1/2)

order code	Bulb Shape	Life To 50% Failures Preheat (Nom)	Life To 10% Failures (Nom)	Life To 50% Failures (Nom)	Life 12-Hr Instant Start [Hrs]	Life 12-Hr Programstart [Hrs]	Life 3-Hr Instant Start [Hrs]	Life 3-Hr Program Start [Hrs]
927850073002	T8	-	-	8000 h	-	-	-	-
927850074102	T8	-	-	8000 h	-	-	-	-
927920082723	T8	20000 h	12000 h	15000 h	-	-	-	-
927920082755	T8	20000 h	12000 h	15000 h	-	-	-	-
927920083023	T8	20000 h	12000 h	15000 h	-	-	-	-

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order code	Bulb Shape	Life To 50% Failures	Life To 10% Failures	Life To 50% Failures	Life 12-Hr Instant	Life 12-Hr Programstart	Life 3-Hr Instant	Life 3-Hr Program
		Preheat (Nom)	(Nom)	(Nom)	Start [Hrs]	[Hrs]	Start [Hrs]	Start [Hrs]
927920083069	T8	20000 h	12000 h	15000 h	-	-	-	-
927920083523	T8	20000 h	12000 h	15000 h	-	-	-	-
927920084023	T8	20000 h	12000 h	15000 h	-	-	-	-
927920084055	T8	20000 h	12000 h	15000 h	-	-	-	-
927920084069	T8	20000 h	12000 h	15000 h	-	-	-	-
927920086544	T8	20000 h	12000 h	15000 h	-	-	-	-
927920582723	T8	20000 h	12000 h	15000 h	-	-	-	-
927920583023	T8	20000 h	12000 h	15000 h	-	-	-	-
927920584023	T8	20000 h	12000 h	15000 h	-	-	-	-
927920586514	T8	20000 h	12000 h	15000 h	-	-	-	-
927921082723	T8	20000 h	12000 h	15000 h	-	-	-	-
927921083023	T8	20000 h	12000 h	15000 h	-	-	-	-
927921083055	T8	20000 h	12000 h	15000 h	-	-	-	-
927921083069	T8	20000 h	12000 h	15000 h	-	-	-	-
927921083523	T8	20000 h	12000 h	15000 h	-	-	-	-
927921084023	T8	20000 h	12000 h	15000 h	-	-	-	-
927921084055	T8	20000 h	12000 h	15000 h	-	-	-	-
927921084069	T8	20000 h	12000 h	15000 h	-	-	-	-
927921086544	T8	20000 h	12000 h	15000 h	-	-	-	-
927922082723	T8	20000 h	12000 h	15000 h	-	-	-	-
927922083023	T8	20000 h	12000 h	15000 h	-	-	-	-
927922083055	T8	20000 h	12000 h	15000 h	-	-	-	-
927922083069	T8	20000 h	12000 h	15000 h	-	-	-	-
927922083523	T8	20000 h	12000 h	15000 h	-	-	-	-
927922084023	T8	20000 h	12000 h	15000 h	-	-	-	-
927922084055	T8	20000 h	12000 h	15000 h	-	-	-	-
927922084069	T8	20000 h	12000 h	15000 h	-	-	-	-
927922084081	T8	20000 h	12000 h	15000 h	-	-	-	-
927922086544	T8	20000 h	12000 h	15000 h	-	-	-	-
927922086555	T8	20000 h	12000 h	15000 h	-	-	-	-
927922282714	T8	20000 h	12000 h	15000 h	-	-	-	-
927922283014	T8	20000 h	12000 h	15000 h	-	-	-	-
927922284014	T8	20000 h	12000 h	15000 h	-	-	-	-
927922286514	T8	20000 h	12000 h	15000 h	-	-	-	-
927922583014	T8	20000 h	12000 h	15000 h	-	-	-	-
927922584014	T8	20000 h	12000 h	15000 h	-	-	-	-
927922586514	T8	20000 h	12000 h	15000 h	-	-	-	-
927923083014	T8	20000 h	12000 h	15000 h	-	-	-	-
927923084014	T8	20000 h	12000 h	15000 h	-	-	-	-
927923086514	T8	20000 h	12000 h	15000 h	-	-	-	-
927923583014	T8	20000 h	12000 h	15000 h	-	-	-	-
927923584014	T8	20000 h	12000 h	15000 h	-	-	-	-
927923883014	T8	20000 h	12000 h	15000 h	-	-	-	-
927923883514	T8	20000 h	12000 h	15000 h	-	-	-	-
927923884014	T8	20000 h	12000 h	15000 h	-	-	-	-
928024384001	T8	20000 h	12000 h	15000 h	-	-	-	-
927850085002	T-8 (T8)	-	-	-	30000 h	36000 h	24000 h	30000 h
927869773002	T-8 (T8)	-	-	-	30000 h	36000 h	24000 h	30000 h
927869774112	T-8 (T8)	-	-	-	30000 h	36000 h	24000 h	30000 h
927869775002	T-8 (T8)	-	-	-	30000 h	36000 h	24000 h	30000 h
927981183024	T8	20000 h	10000 h	13000 h	-	-	-	-

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order code	Bulb Shape	Life To 50% Failures	Life To 10% Failures	Life To 50% Failures	Life 12-Hr Instant	Life 12-Hr Programstart	Life 3-Hr Instant	Life 3-Hr Program
		Preheat (Nom)	(Nom)	(Nom)	Start [Hrs]	[Hrs]	Start [Hrs]	Start [Hrs]
927981184024	T8	20000 h	10000 h	13000 h	-	-	-	-
927981185024	T8	20000 h	10000 h	13000 h	-	-	-	-
927981186524	T8	20000 h	10000 h	13000 h	-	-	-	-
927981383024	T8	20000 h	10000 h	15000 h	-	-	-	-
927981384024	T8	20000 h	10000 h	15000 h	-	-	-	-
927981385024	T8	20000 h	10000 h	15000 h	-	-	-	-
927981386524	T8	20000 h	10000 h	15000 h	-	-	-	-
927981584024	T8	20000 h	10000 h	15000 h	-	-	-	-
927981586524	T8	20000 h	10000 h	15000 h	-	-	-	-

General Information (2/2)

order code	LSF 12000 h Rated	LSF 16000 h Rated	LSF 2000 h Rated	LSF 20000 h Rated	LSF 4000 h Rated	LSF 6000 h Rated	LSF 8000 h Rated
927850073002	-	-	-	-	-	-	-
927850074102	-	-	-	-	-	-	-
927920082723	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927920082755	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927920083023	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927920083069	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927920083523	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927920084023	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927920084055	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927920084069	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927920086544	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927920582723	89 %	33 %	99 %	2 %	97 %	96 %	95 %
927920583023	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927920584023	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927920586514	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927921082723	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927921083023	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927921083055	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927921083069	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927921083523	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927921084023	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927921084055	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927921084069	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927921086544	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927922082723	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927922083023	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927922083055	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927922083069	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927922083523	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927922084023	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927922084055	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927922084069	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927922084081	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927922086544	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927922086555	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927922282714	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927922283014	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927922284014	89 %	33 %	99 %	2 %	99 %	99 %	99 %

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order code	LSF 12000 h Rated	LSF 16000 h Rated	LSF 2000 h Rated	LSF 20000 h Rated	LSF 4000 h Rated	LSF 6000 h Rated	LSF 8000 h Rated
927922286514	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927922583014	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927922584014	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927922586514	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927923083014	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927923084014	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927923086514	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927923583014	89 %	33 %	99 %	2 %	97 %	96 %	95 %
927923584014	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927923883014	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927923883514	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927923884014	89 %	33 %	99 %	2 %	97 %	96 %	95 %
928024384001	89 %	33 %	99 %	2 %	99 %	99 %	99 %
927850085002	-	-	-	-	-	-	-
927869773002	-	-	-	-	-	-	-
927869774112	-	-	-	-	-	-	-
927869775002	-	-	-	-	-	-	-
927981183024	-	-	-	-	-	-	-
927981184024	-	-	-	-	-	-	-
927981185024	-	-	-	-	-	-	-
927981186524	-	-	-	-	-	-	-
927981383024	-	-	-	-	-	-	-
927981384024	-	-	-	-	-	-	-
927981385024	-	-	-	-	-	-	-
927981386524	-	-	-	-	-	-	-
927981584024	-	-	-	-	-	-	-
927981586524	-	-	-	-	-	-	-

Light Technical (1/3)

order code	Chromaticity		Color Code	Color Designation	Correlated Color Temperature (Nom)	Color Rendering		
	Coordinate X (Nom)	Coordinate Y (Nom)				Index (Nom)	LLMF 12000 h Rated	LLMF 16000 h Rated
927850073002	444	410	830	Warm White (WW)	3000 K	85	-	-
927850074102	383	386	840	Cool White (CW)	4000 K	85	-	-
927920082723	463	420	827	Incandescent White	2700 K	85	92 %	91 %
927920082755	468	417	827	Incandescent White	2700 K	85	92 %	91 %
927920083023	440	403	830	Warm White (WW)	3000 K	85	92 %	91 %
927920083069	440	403	830	Warm White (WW)	3000 K	85	92 %	91 %
927920083523	409	394	835	White (WH)	3500 K	85	92 %	91 %
927920084023	380	380	840	Cool White (CW)	4100 K	85	92 %	91 %
927920084055	383	386	840	Cool White (CW)	4000 K	85	92 %	91 %
927920084069	380	380	840	Cool White (CW)	4100 K	85	92 %	91 %
927920086544	313	337	865	Cool Daylight	6500 K	85	92 %	91 %
927920582723	463	420	827	Incandescent White	2700 K	85	92 %	91 %
927920583023	440	403	830	Warm White (WW)	3000 K	85	92 %	91 %
927920584023	380	380	840	Cool White (CW)	4100 K	85	92 %	91 %
927920586514	313	337	865	Cool Daylight	6500 K	80	92 %	91 %
927921082723	463	420	827	Incandescent White	2700 K	85	92 %	91 %
927921083023	440	403	830	Warm White (WW)	3000 K	85	92 %	91 %
927921083055	440	410	830	Warm White (WW)	3000 K	85	92 %	91 %
927921083069	440	403	830	Warm White (WW)	3000 K	85	92 %	91 %
927921083523	409	394	835	White (WH)	3500 K	85	92 %	91 %

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order code	Chromaticity		Color Code	Color Designation	Correlated Color Temperature (Nom)	Color Rendering		
	Coordinate X (Nom)	Coordinate Y (Nom)				Index (Nom)	LLMF 12000 h Rated	LLMF 16000 h Rated
927921084023	380	380	840	Cool White (CW)	4100 K	85	92 %	91 %
927921084055	383	386	840	Cool White (CW)	4000 K	85	92 %	91 %
927921084069	380	380	840	Cool White (CW)	4100 K	85	92 %	91 %
927921086544	313	337	865	Cool Daylight	6500 K	85	92 %	91 %
927922082723	463	420	827	Incandescent White	2700 K	85	92 %	91 %
927922083023	440	403	830	Warm White (WW)	3000 K	85	92 %	91 %
927922083055	440	410	830	Warm White (WW)	3000 K	85	92 %	91 %
927922083069	440	403	830	Warm White (WW)	3000 K	85	92 %	91 %
927922083523	409	394	835	White (WH)	3500 K	85	92 %	91 %
927922084023	380	380	840	Cool White (CW)	4100 K	85	92 %	91 %
927922084055	383	386	840	Cool White (CW)	4000 K	85	92 %	91 %
927922084069	380	380	840	Cool White (CW)	4100 K	85	92 %	91 %
927922084081	380	380	840	Cool White (CW)	4100 K	85	92 %	91 %
927922086544	313	337	865	Cool Daylight	6500 K	85	92 %	91 %
927922086555	313	337	865	Cool Daylight	6500 K	85	92 %	91 %
927922282714	463	420	827	Incandescent White	2700 K	85	92 %	91 %
927922283014	444	410	830	Warm White (WW)	3000 K	85	92 %	91 %
927922284014	383	386	840	Cool White (CW)	4100 K	82	92 %	91 %
927922286514	313	338	865	Cool Daylight	6500 K	82	92 %	91 %
927922583014	444	410	830	Warm White (WW)	3000 K	83	92 %	91 %
927922584014	383	386	840	Cool White (CW)	4100 K	82	92 %	91 %
927922586514	313	338	865	Cool Daylight	6500 K	82	92 %	91 %
927923083014	444	410	830	Warm White (WW)	3000 K	85	92 %	91 %
927923084014	383	386	840	Cool White (CW)	4100 K	85	92 %	91 %
927923086514	313	338	865	Cool Daylight	6500 K	82	92 %	91 %
927923583014	444	410	830	Warm White (WW)	3000 K	85	92 %	91 %
927923584014	383	386	840	Cool White (CW)	4100 K	85	92 %	91 %
927923883014	440	403	830	Warm White (WW)	3000 K	85	92 %	91 %
927923883514	409	394	835	White (WH)	3500 K	85	92 %	91 %
927923884014	380	380	840	Cool White (CW)	4100 K	85	92 %	91 %
928024384001	380	380	840	Cool Daylight	4100 K	85	92 %	91 %
927850085002	-	-	TL850	TL850	5000 K	82	-	-
927869773002	-	-	TL830	TL830	3000 K	78	-	-
927869774112	-	-	TL841	TL841	4100 K	82	-	-
927869775002	-	-	TL850	TL850	5000 K	80	-	-
927981183024	444	410	830	Warm White (WW)	3000 K	83	-	-
927981184024	383	386	840	Cool White (CW)	4000 K	82	-	-
927981185024	347	363	850	Daylight	5000 K	80	-	-
927981186524	313	338	865	Cool Daylight	6500 K	80	-	-
927981383024	444	410	830	Warm White (WW)	3000 K	83	-	-
927981384024	383	386	840	Cool White (CW)	4000 K	82	-	-
927981385024	347	363	850	Daylight	5000 K	80	-	-
927981386524	313	338	865	Cool Daylight	6500 K	80	-	-
927981584024	383	386	840	Cool White (CW)	4000 K	82	-	-
927981586524	313	338	865	Cool Daylight	6500 K	80	-	-

Light Technical (2/3)

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order code	LLMF 2000 h	LLMF 20000 h	LLMF 4000 h	LLMF 6000 h	LLMF 8000 h	Lumen	Lumen	Luminous Efficacy (rated) (Nom)	Design Mean Lumens
	Rated	Rated	Rated	Rated	Rated	Maintenance 2000 h (Nom)	Maintenance 5000 h (Nom)		
927850073002	-	-	-	-	-	-	-	-	-
927850074102	-	-	-	-	-	-	-	-	-
927920082723	96 %	90 %	95 %	94 %	93 %	-	-	75 lm/W	-
927920082755	96 %	90 %	95 %	94 %	93 %	-	-	75 lm/W	-
927920083023	96 %	90 %	95 %	94 %	93 %	-	-	75 lm/W	-
927920083069	96 %	90 %	95 %	94 %	93 %	-	-	75 lm/W	-
927920083523	96 %	90 %	95 %	94 %	93 %	-	-	75 lm/W	-
927920084023	96 %	90 %	95 %	94 %	93 %	-	-	75 lm/W	-
927920084055	96 %	90 %	95 %	94 %	93 %	-	-	75 lm/W	-
927920084069	96 %	90 %	95 %	94 %	93 %	-	-	75 lm/W	-
927920086544	96 %	90 %	95 %	94 %	93 %	-	-	68 lm/W	-
927920582723	96 %	90 %	95 %	94 %	93 %	-	-	80 lm/W	-
927920583023	96 %	90 %	95 %	94 %	93 %	-	-	80 lm/W	-
927920584023	96 %	90 %	95 %	94 %	93 %	-	-	80 lm/W	-
927920586514	96 %	90 %	95 %	94 %	93 %	-	-	76.7 lm/W	-
927921082723	96 %	90 %	95 %	94 %	93 %	-	-	93 lm/W	-
927921083023	96 %	90 %	95 %	94 %	93 %	-	-	93 lm/W	-
927921083055	96 %	90 %	95 %	94 %	93 %	-	-	93 lm/W	-
927921083069	96 %	90 %	95 %	94 %	93 %	-	-	93 lm/W	-
927921083523	96 %	90 %	95 %	94 %	93 %	-	-	93 lm/W	-
927921084023	96 %	90 %	95 %	94 %	93 %	-	-	93 lm/W	-
927921084055	96 %	90 %	95 %	94 %	93 %	-	-	93 lm/W	-
927921084069	96 %	90 %	95 %	94 %	93 %	-	-	93 lm/W	-
927921086544	96 %	90 %	95 %	94 %	93 %	-	-	84 lm/W	-
927922082723	96 %	90 %	95 %	94 %	93 %	-	-	90 lm/W	-
927922083023	96 %	90 %	95 %	94 %	93 %	-	-	90 lm/W	-
927922083055	96 %	90 %	95 %	94 %	93 %	-	-	90 lm/W	-
927922083069	96 %	90 %	95 %	94 %	93 %	-	-	90 lm/W	-
927922083523	96 %	90 %	95 %	94 %	93 %	-	-	90 lm/W	-
927922084023	96 %	90 %	95 %	94 %	93 %	-	-	90 lm/W	-
927922084055	96 %	90 %	95 %	94 %	93 %	-	-	90 lm/W	-
927922084069	96 %	90 %	95 %	94 %	93 %	-	-	90 lm/W	-
927922084081	96 %	90 %	95 %	94 %	93 %	-	-	90 lm/W	-
927922086544	96 %	90 %	95 %	94 %	93 %	-	-	81 lm/W	-
927922086555	96 %	90 %	95 %	94 %	93 %	-	-	81 lm/W	-
927922282714	96 %	90 %	95 %	94 %	93 %	-	-	67 lm/W	-
927922283014	96 %	90 %	95 %	94 %	93 %	-	-	67 lm/W	-
927922284014	96 %	90 %	95 %	94 %	93 %	-	-	67 lm/W	-
927922286514	96 %	90 %	95 %	94 %	93 %	-	-	-	-
927922583014	96 %	90 %	95 %	94 %	93 %	-	-	89 lm/W	-
927922584014	96 %	90 %	95 %	94 %	93 %	-	-	89 lm/W	-
927922586514	96 %	90 %	95 %	94 %	93 %	-	-	83 lm/W	-
927923083014	96 %	90 %	95 %	94 %	93 %	-	-	86 lm/W	-
927923084014	96 %	90 %	95 %	94 %	93 %	-	-	86 lm/W	-
927923086514	96 %	90 %	95 %	94 %	93 %	-	-	82 lm/W	-
927923583014	96 %	90 %	95 %	94 %	93 %	-	-	88 lm/W	-
927923584014	96 %	90 %	95 %	94 %	93 %	-	-	88 lm/W	-
927923883014	96 %	90 %	95 %	94 %	93 %	-	-	89 lm/W	-
927923883514	96 %	90 %	95 %	94 %	93 %	-	-	89 lm/W	-
927923884014	96 %	90 %	95 %	94 %	93 %	-	-	89 lm/W	-

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order code	LLMF 2000 h	LLMF 20000 h	LLMF 4000 h	LLMF 6000 h	LLMF 8000 h	Lumen	Lumen	Luminous Efficacy (rated) (Nom)	Design Mean Lumens
	Rated	Rated	Rated	Rated	Rated	Maintenance 2000 h (Nom)	Maintenance 5000 h (Nom)		
928024384001	96 %	90 %	95 %	94 %	93 %	-	-	63 lm/W	-
927850085002	-	-	-	-	-	-	-	-	1235 lm
927869773002	-	-	-	-	-	-	-	-	2470 lm
927869774112	-	-	-	-	-	-	-	-	2470 lm
927869775002	-	-	-	-	-	-	-	-	-
927981183024	-	-	-	-	-	96 %	94 %	75 lm/W	-
927981184024	-	-	-	-	-	96 %	94 %	75 lm/W	-
927981185024	-	-	-	-	-	96 %	94 %	73 lm/W	-
927981186524	-	-	-	-	-	96 %	94 %	71 lm/W	-
927981383024	-	-	-	-	-	96 %	94 %	90 lm/W	-
927981384024	-	-	-	-	-	96 %	94 %	90 lm/W	-
927981385024	-	-	-	-	-	96 %	94 %	88 lm/W	-
927981386524	-	-	-	-	-	96 %	94 %	85 lm/W	-
927981584024	-	-	-	-	-	96 %	94 %	89 lm/W	-
927981586524	-	-	-	-	-	96 %	94 %	83 lm/W	-

Light Technical (3/3)

order code	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)	order code	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
927850073002	1220 lm	1220 lm	927922084069	5240 lm	5240 lm
927850074102	1200 lm	1200 lm	927922084081	5240 lm	5240 lm
927920082723	1350 lm	1350 lm	927922086544	5000 lm	5000 lm
927920082755	1350 lm	1350 lm	927922086555	5000 lm	5000 lm
927920083023	1350 lm	1350 lm	927922282714	1000 lm	1000 lm
927920083069	1350 lm	1350 lm	927922283014	1000 lm	1000 lm
927920083523	1350 lm	1350 lm	927922284014	1000 lm	1000 lm
927920084023	1350 lm	1350 lm	927922286514	930 lm	930 lm
927920084055	1350 lm	1350 lm	927922583014	2050 lm	2050 lm
927920084069	1350 lm	1350 lm	927922584014	2050 lm	2050 lm
927920086544	1300 lm	1300 lm	927922586514	1900 lm	1900 lm
927920582723	2400 lm	2400 lm	927923083014	3100 lm	3100 lm
927920583023	2400 lm	2400 lm	927923084014	3100 lm	3100 lm
927920584023	2400 lm	2400 lm	927923086514	2950 lm	2950 lm
927920586514	2300 lm	2300 lm	927923583014	3350 lm	3350 lm
927921082723	3350 lm	3350 lm	927923584014	3350 lm	3350 lm
927921083023	3350 lm	3350 lm	927923883014	6200 lm	6200 lm
927921083055	3350 lm	3350 lm	927923883514	6200 lm	6200 lm
927921083069	3350 lm	3350 lm	927923884014	6200 lm	6200 lm
927921083523	3350 lm	3350 lm	928024384001	860 lm	860 lm
927921084023	3350 lm	3350 lm	927850085002	1300 lm	-
927921084055	3350 lm	3350 lm	927869773002	2600 lm	-
927921084069	3350 lm	3350 lm	927869774112	2700 lm	-
927921086544	3250 lm	3250 lm	927869775002	2650 lm	-
927922082723	5240 lm	5240 lm	927981183024	-	1350 lm
927922083023	5240 lm	5240 lm	927981184024	-	1350 lm
927922083055	5240 lm	5240 lm	927981185024	-	1310 lm
927922083069	5240 lm	5240 lm	927981186524	-	1275 lm
927922083523	5240 lm	5240 lm	927981383024	-	3250 lm
927922084023	5240 lm	5240 lm	927981384024	-	3250 lm
927922084055	5240 lm	5240 lm	927981385024	-	3170 lm

MASTER TL-D Super 80

order code	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
927981386524	-	3070 lm
927981584024	-	5150 lm

order code	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
927981586524	-	4800 lm

Temperature

order code	Design Temperature (Nom)
927850073002	25 °C
927850074102	25 °C
927920082723	25 °C
927920082755	25 °C
927920083023	25 °C
927920083069	25 °C
927920083523	25 °C
927920084023	25 °C
927920084055	25 °C
927920084069	25 °C
927920086544	25 °C
927920582723	25 °C
927920583023	25 °C
927920584023	25 °C
927920586514	25 °C
927921082723	25 °C
927921083023	25 °C
927921083055	25 °C
927921083069	25 °C
927921083523	25 °C
927921084023	25 °C
927921084055	25 °C
927921084069	25 °C
927921086544	25 °C
927922082723	25 °C
927922083023	25 °C
927922083055	25 °C
927922083069	25 °C
927922083523	25 °C
927922084023	25 °C
927922084055	25 °C
927922084069	25 °C
927922084081	25 °C

order code	Design Temperature (Nom)
927922086544	25 °C
927922086555	25 °C
927922282714	25 °C
927922283014	25 °C
927922284014	25 °C
927922286514	25 °C
927922583014	25 °C
927922584014	25 °C
927922586514	25 °C
927923083014	25 °C
927923084014	25 °C
927923086514	25 °C
927923583014	25 °C
927923584014	25 °C
927923883014	25 °C
927923883514	25 °C
927923884014	25 °C
928024384001	25 °C
927850085002	-
927869773002	-
927869774112	-
927869775002	-
927981183024	-
927981184024	-
927981185024	-
927981186524	-
927981383024	-
927981384024	-
927981385024	-
927981386524	-
927981584024	-
927981586524	-

