



# Product Description

## MASTER TL-D Super 80

Low-pressure mercury discharge lamps with a tubular 26 mm envelope

### Benefits

- Special fluorescent coating gives good colour 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 in combination with New Generation pre-coating technology
- High initial light output
- Available in varying colour designations
- Low mercury dose

### 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.

### Warnings and Safety

- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

General Information (1/2)

order code	Bulb Shape	Cap-Base	Life To 50% Failures Preheat (Nom)	Life To 10% Failures (Nom)	Life To 50% Failures (Nom)	LSF 12000 h Rated	LSF 16000 h Rated	LSF 2000 h Rated	LSF 20000 h Rated	LSF 4000 h Rated
63165740	T8	G13	20000	12000	15000	89	33	99	2	99
63171840	T8	G13	20000	12000	15000	89	33	99	2	99
63177040	T8	G13	20000	12000	15000	89	33	99	2	99
63183140	T8	G13	20000	12000	15000	89	33	99	2	99
63186240	T8	G13	20000	12000	15000	89	33	99	2	99
63189340	T8	G13	20000	12000	15000	89	33	99	2	99
63195440	T8	G13	20000	12000	15000	89	33	99	2	99
63201240	T8	G13	20000	12000	15000	89	33	99	2	99
63207440	T8	G13	20000	12000	15000	89	33	99	2	99
63213540	T8	G13	20000	12000	15000	89	33	99	2	99
63219740	T8	G13	20000	12000	15000	89	33	99	2	99
63225840	T8	G13	20000	12000	15000	89	33	99	2	99
70280740	T8	G13	20000	12000	15000	89	33	99	2	99

General Information (2/2)

order code	LSF 6000 h Rated	LSF 8000 h Rated
63165740	99	99
63171840	99	99
63177040	99	99
63183140	99	99
63186240	99	99
63189340	99	99
63195440	99	99

order code	LSF 6000 h Rated	LSF 8000 h Rated
63201240	99	99
63207440	99	99
63213540	99	99
63219740	99	99
63225840	99	99
70280740	99	99

Light Technical (1/2)

order code	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Designation	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	LLMF 12000 h Rated	LLMF 16000 h Rated	LLMF 2000 h Rated	LLMF 20000 h Rated	LLMF 4000 h Rated
63165740	440	403	Warm white (WW)	3000	85	92	91	96	90	95
63171840	380	380	Cool White (CW)	4100	85	92	91	96	90	95
63177040	313	337	Cool Daylight	6500	85	92	91	96	90	95
63183140	440	403	Warm white (WW)	3000	85	92	91	96	90	95
63186240	380	380	Cool White (CW)	4100	85	92	91	96	90	95
63189340	313	337	Cool Daylight	6500	80	92	91	96	90	95
63195440	440	403	Warm white (WW)	3000	85	92	91	96	90	95
63201240	380	380	Cool White (CW)	4100	85	92	91	96	90	95
63207440	313	337	Cool Daylight	6500	85	92	91	96	90	95
63213540	440	403	Warm white (WW)	3000	85	92	91	96	90	95
63219740	380	380	Cool White (CW)	4100	85	92	91	96	90	95
63225840	313	337	Cool Daylight	6500	85	92	91	96	90	95
70280740	383	386	Cool White (CW)	4100	82	92	91	96	90	95

### Light Technical (2/2)

order code	LLMF 6000 h Rated	LLMF 8000 h Rated	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
63165740	94	93	75	1350	1350
63171840	94	93	75	1350	1350
63177040	94	93	68	1300	1300
63183140	94	93	80	2400	2400
63186240	94	93	80	2400	2400
63189340	94	93	76.7	2300	2300
63195440	94	93	93	3350	3350
63201240	94	93	93	3350	3350
63207440	94	93	84	3250	3250
63213540	94	93	90	5240	5240
63219740	94	93	90	5240	5240
63225840	94	93	81	5000	5000
70280740	94	93	67	1000	1000

### Temperature

order code	Design Temperature (Nom)
63165740	25
63171840	25
63177040	25
63183140	25
63186240	25
63189340	25
63195440	25
63201240	25
63207440	25
63213540	25
63219740	25
63225840	25
70280740	25

### Operating and Electrical

order code	Lamp Current (Nom)	Power (Rated) (Nom)
63165740	0.360	18.0
63171840	0.360	18
63177040	0.360	18.0
63183140	0.360	30.0
63186240	0.360	30.0
63189340	0.360	30.0
63195440	0.440	36.0
63201240	0.440	36.0
63207440	0.440	36.0
63213540	0.670	58.5
63219740	0.670	58.5
63225840	0.670	58.5
70280740	0.335	15.0

### Approval and Application

order code	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
63165740	22	A	2.0
63171840	22	A	2.0
63177040	22	A	2.0
63183140	36	A	2.0
63186240	36	A	2.0
63189340	36	A	2.0
63195440	42	A	2.0
63201240	42	A	2.0
63207440	42	A	2.0
63213540	68	A	2.0
63219740	68	A	2.0
63225840	68	A	2.0
70280740	19	B	2.0



© 2016 Philips Lighting Holding B.V.  
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

[www.philips.com/lighting](http://www.philips.com/lighting)

2016, May 18  
data subject to change