2016, October 20
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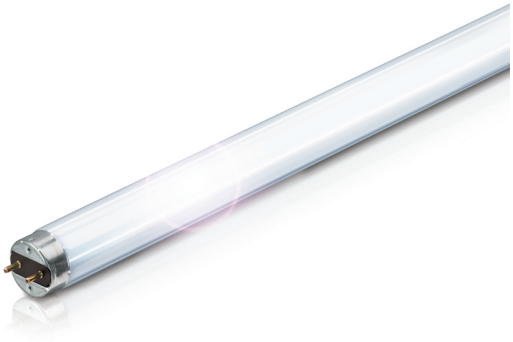

Product Description

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.

PHILIPS

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
63162640	T8	G13	20000	12000	15000	89	33	99	2	99
63165740	T8	G13	20000	12000	15000	89	33	99	2	99
63168840	T8	G13	20000	12000	15000	89	33	99	2	99
63171840	T8	G13	20000	12000	15000	89	33	99	2	99
61012640	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
63192340	T8	G13	20000	12000	15000	89	33	99	2	99
63195440	T8	G13	20000	12000	15000	89	33	99	2	99
63198540	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
63210440	T8	G13	20000	12000	15000	89	33	99	2	99
63213540	T8	G13	20000	12000	15000	89	33	99	2	99
63216640	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
70279140	T8	G13	20000	12000	15000	89	33	99	2	99
70280740	T8	G13	20000	12000	15000	89	33	99	2	99
55870140	T8	G13	20000	12000	15000	89	33	99	2	99
55877040	T8	G13	20000	12000	15000	89	33	99	2	99
55880040	T8	G13	20000	12000	15000	89	33	99	2	97
55883140	T8	G13	20000	12000	15000	89	33	99	2	99
61598540	T8	G13	20000	12000	15000	89	33	99	2	99
64273840	T8	G13	20000	12000	15000	89	33	99	2	99
61592340	T8	G13	20000	12000	15000	89	33	99	2	97

General Information (2/2)

order code	LSF 6000 h Rated	LSF 8000 h Rated
63162640	99	99
63165740	99	99
63168840	99	99
63171840	99	99
61012640	99	99
63177040	99	99
63183140	99	99
63186240	99	99
63192340	99	99
63195440	99	99
63198540	99	99
63201240	99	99
63207440	99	99
63210440	99	99

order code	LSF 6000 h Rated	LSF 8000 h Rated
63213540	99	99
63216640	99	99
63219740	99	99
63225840	99	99
70279140	99	99
70280740	99	99
55870140	99	99
55877040	99	99
55880040	96	95
55883140	99	99
61598540	99	99
64273840	99	99
61592340	96	95

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
63162640	463	420	Incandescent White	2700	85	92	91	96	90	95
63165740	440	403	Warm white (WW)	3000	85	92	91	96	90	95
63168840	409	394	White (WH)	3500	85	92	91	96	90	95
63171840	380	380	Cool White (CW)	4100	85	92	91	96	90	95
61012640	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
63192340	463	420	Incandescent White	2700	85	92	91	96	90	95
63195440	440	403	Warm white (WW)	3000	85	92	91	96	90	95
63198540	409	394	White (WH)	3500	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
63210440	463	420	Incandescent White	2700	85	92	91	96	90	95
63213540	440	403	Warm white (WW)	3000	85	92	91	96	90	95
63216640	409	394	White (WH)	3500	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
70279140	444	410	Warm white (WW)	3000	85	92	91	96	90	95
70280740	383	386	Cool White (CW)	4100	82	92	91	96	90	95
55870140	383	386	Cool White (CW)	4100	82	92	91	96	90	95
55877040	383	386	Cool White (CW)	4100	85	92	91	96	90	95
55880040	444	410	Warm white (WW)	3000	85	92	91	96	90	95
55883140	383	386	Cool White (CW)	4100	85	92	91	96	90	95
61598540	440	403	Warm white (WW)	3000	85	92	91	96	90	95
64273840	409	394	White (WH)	3500	85	92	91	96	90	95
61592340	380	380	Cool White (CW)	4100	85	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)
63162640	94	93	75	1350	1350
63165740	94	93	75	1350	1350
63168840	94	93	75	1350	1350
63171840	94	93	75	1350	1350
61012640	94	93	75	1350	1350
63177040	94	93	68	1300	1300
63183140	94	93	80	2400	2400
63186240	94	93	80	2400	2400
63192340	94	93	93	3350	3350
63195440	94	93	93	3350	3350
63198540	94	93	93	3350	3350
63201240	94	93	93	3350	3350
63207440	94	93	84	3250	3250
63210440	94	93	90	5240	5240

order code	LLMF 6000 h Rated	LLMF 8000 h Rated	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
63213540	94	93	90	5240	5240
63216640	94	93	90	5240	5240
63219740	94	93	90	5240	5240
63225840	94	93	81	5000	5000
70279140	94	93	67	1000	1000
70280740	94	93	67	1000	1000
55870140	94	93	89	2050	2050
55877040	94	93	86	3100	3100
55880040	94	93	88	3350	3350
55883140	94	93	88	3350	3350
61598540	94	93	89	6200	6200
64273840	94	93	89	6200	6200
61592340	94	93	89	6200	6200

Operating and Electrical

order code	Lamp Current (Nom)	Power (Rated) (Nom)
63162640	0.360	18.0
63165740	0.360	18.0
63168840	0.360	18.0
63171840	0.360	18
61012640	0.360	18
63177040	0.360	18.0
63183140	0.360	30.0
63186240	0.360	30.0
63192340	0.440	36.0
63195440	0.440	36.0
63198540	0.440	36.0
63201240	0.440	36.0
63207440	0.440	36.0
63210440	0.670	58.5
63213540	0.670	58.5
63216640	0.670	58.5
63219740	0.670	58.5
63225840	0.670	58.5
70279140	0.340	15.0
70280740	0.335	15.0
55870140	0.295	23.0
55877040	0.560	36
55880040	0.430	38.0
55883140	0.430	38.0
61598540	0.690	70.0
64273840	0.690	70.0
61592340	0.690	70.0

Temperature

order code	Design Temperature (Nom)
63162640	25
63165740	25
63168840	25
63171840	25
61012640	25
63177040	25
63183140	25
63186240	25
63192340	25
63195440	25
63198540	25
63201240	25
63207440	25
63210440	25
63213540	25

order code	Design Temperature (Nom)
63216640	25
63219740	25
63225840	25
70279140	25
70280740	25
55870140	25
55877040	25
55880040	25
55883140	25
61598540	25
64273840	25
61592340	25

Approval and Application

order code	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
63162640	22	A	2.0
63165740	22	A	2.0
63168840	22	A	2.0
63171840	22	A	2.0
61012640	22	A	2.0
63177040	22	A	2.0
63183140	36	A	2.0
63186240	36	A	2.0
63192340	42	A	2.0
63195440	42	A	2.0
63198540	42	A	2.0
63201240	42	A	2.0
63207440	42	A	2.0
63210440	68	A	2.0
63213540	68	A	2.0
63216640	68	A	2.0
63219740	68	A	2.0
63225840	68	A	2.0
70279140	19	B	2.0
70280740	19	B	2.0
55870140	28	A	2.0
55877040	42	A	2.0
55880040	45	A	2.0
55883140	45	A	2.0
61598540	81	A	3.0
64273840	81	A	3.0
61592340	81	A	3.0

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