

2016, September 19
data subject to change

Product Description

MASTER TL-D 90 De Luxe

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

Benefits

- Very good colour rendering. Making colours appear rich, deep and enhanced as they do in daylight, making products appear more attractive
- 25% More light than competition
- Enabling customer to switch to 900-colours with (almost) no decrase of light level
- Enabling customers (in certain segments) to respect the new European standard for lighting of indoor workplaces (CEN 12464-1), without investing in new luminaires
- Attractive packaging configuration
- Direct retrofit for all Standard and Super 80 TL-D lamps operating on conventional or HF gear
- Possible to create atmospheres from warm white to cool daylight

Features

- High-quality fluorescent coating
- Available in various colour designations

Application

- Used in applications where good colour rendering is crucial, such as shops (flower, fashion, department, etc.), hairdresser, museums, hospitals, 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.

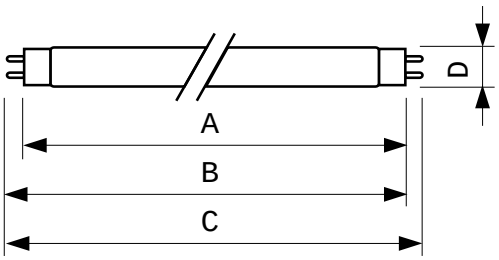
PHILIPS

Related products



G13, T8

Dimensional drawing



TL-D De Luxe 18W/965

Product	D	A	B	B	C
MASTER TL-D 90 De Luxe 18W/965 SLV/10	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm

G13, T8

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
88837225	T8	G13	20000	12000	15000	89	33	99	2	99
88839625	T8	G13	20000	12000	15000	89	33	99	2	99
88843325	T8	G13	20000	12000	15000	89	33	99	2	99
88846425	T8	G13	20000	12000	15000	89	33	99	2	99
88856325	T8	G13	20000	12000	15000	89	33	99	2	99
88858725	T8	G13	20000	12000	15000	89	33	99	2	99
88860025	T8	G13	20000	12000	15000	89	33	99	2	99
88862425	T8	G13	20000	12000	15000	89	33	99	2	99
88867925	T8	G13	20000	12000	15000	89	33	99	2	99
88869325	T8	G13	20000	12000	15000	89	33	99	2	99
88871625	T8	G13	20000	12000	15000	89	33	99	2	99
88873025	T8	G13	20000	12000	15000	89	33	99	2	99

General Information (2/2)

order code	LSF 6000 h Rated	LSF 8000 h Rated
88837225	99	99
88839625	99	99
88843325	99	99
88846425	99	99
88856325	99	99
88858725	99	99

order code	LSF 6000 h Rated	LSF 8000 h Rated
88860025	99	99
88862425	99	99
88867925	99	99
88869325	99	99
88871625	99	99
88873025	99	99

Light Technical (1/2)

order code	Chroma-ticity Coor-dinate X (Nom)	Chroma-ticity Coor-dinate Y (Nom)	Color Desig-nation	Correlated Color Tempera-ture (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
88837225	434	399	Warm white (WW)	3000	91	92	91	96	90	95
88839625	381	379	Cool White (CW)	4000	91	92	91	96	90	95
88843325	340	352	Daylight	5300	92	92	91	96	90	95
88846425	309	323	Cool Daylight	6500	93	92	91	96	90	95
88856325	434	399	Warm white (WW)	3000	91	92	91	96	90	95
88858725	381	379	Cool White (CW)	4000	91	92	91	96	90	95
88860025	340	352	Daylight	5300	92	92	91	96	90	95
88862425	309	322	Cool Daylight	6500	93	92	91	96	90	95
88867925	434	399	Warm white (WW)	3000	91	92	91	96	90	95
88869325	381	379	Cool White (CW)	4000	91	92	91	96	90	95
88871625	340	352	Daylight	5300	92	92	91	96	90	95
88873025	309	323	Cool Daylight	6500	93	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)
88837225	94	93	66.7	1200	1200
88839625	94	93	66.7	1200	1200
88843325	94	93	63.9	1150	1150
88846425	94	93	63.9	1150	1150
88856325	94	93	77.8	2800	2800
88858725	94	93	77.8	2800	2800
88860025	94	93	77.8	2800	2800
88862425	94	93	77.8	2800	2800
88867925	94	93	74.4	4350	4350
88869325	94	93	78.6	4600	4600
88871625	94	93	77.8	4550	4550
88873025	94	93	77.8	4550	4550

Operating and Electrical

order code	Lamp Current (Nom)	Power (Rated) (Nom)
88837225	0.360	18.0
88839625	0.360	18.0

order code	Lamp Current (Nom)	Power (Rated) (Nom)
88843325	0.360	18.0
88846425	0.360	18.0
88856325	0.440	36.0
88858725	0.440	36.0
88860025	0.440	36.0
88862425	0.440	36.0
88867925	0.670	58.5
88869325	0.670	58.5
88871625	0.670	58.5
88873025	0.670	58.5

Temperature

order code	Design Temperature (Nom)
88837225	25
88839625	25
88843325	25
88846425	25
88856325	25
88858725	25

order code	Design Temperature (Nom)
88860025	25
88862425	25
88867925	25
88869325	25
88871625	25
88873025	25

Approval and Application

order code	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
88837225	22	B	3.0
88839625	22	B	3.0

order code	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
88843325	22	B	3.0
88846425	22	B	3.0
88856325	43	A	3.0
88858725	43	A	3.0
88860025	43	A	3.0
88862425	43	A	3.0
88867925	68	A	3.0
88869325	68	A	3.0
88871625	68	A	3.0
88873025	68	A	3.0

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