



Product Description

MASTER TL5 High Efficiency

Low-pressure mercury discharge lamps with a tubular 16 mm envelope

Benefits

- Allows system miniaturisation and maximum luminaire design freedom
- Lamp lengths enable easy fitting into ceiling module systems
- Offers higher efficiencies and energy savings compared with TL-D lamps
- Virtually constant lumen level with excellent lumen maintenance
- Good colour rendering

Features

- 40% thinner than TL-D lamps
- High lamp efficacies up to 104 lm/W
- Highly efficient 3-band fluorescent coating in combination with precoating
- Specifically designed for operation with electronic gear and well suited for dimming
- Maximum light output reached at approx. 35 °C in free-burning position if an electronic ballast without additional electrode heating is used
- Can be ignited from -15 to +50 °C

Application

- Ideally suited for recessed, surface-mounted and suspended luminaires in applications like offices, shops, schools, public buildings and industry, wherever high-quality, energy-effective lighting is required

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

order code	Bulb Shape	Cap-Base	Life To 50% Failures Preheat (Nom)	LSF Preheat 16000 h Rated	LSF Preheat 20000 h Rated	LSF Preheat 2000 h Rated	LSF Preheat 4000 h Rated	LSF Preheat 6000 h Rated	LSF Preheat 8000 h Rated	System Description
63940055	T5	G5	24000	97	84	99	99	99	99	High Efficiency
71009355	T5	G5	24000	97	84	99	99	99	99	High Efficiency
61072055	T5	G5	24000	97	84	99	99	99	99	High Efficiency
63944855	T5	G5	24000	97	84	99	99	99	99	High Efficiency
63946255	T5	G5	24000	97	84	99	99	99	99	High Efficiency
63948655	T5	G5	24000	97	84	99	99	99	99	High Efficiency
71015455	T5	G5	24000	97	84	99	99	99	99	High Efficiency
63952355	T5	G5	24000	97	84	99	99	99	99	High Efficiency

Light Technical (1/2)

order code	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Designation	Correlated Color Temperature (Nom)	Color Rendering Index (Max)	Color Rendering Index (Min)	Color Rendering Index (Nom)	LLMF 12000 h Rated	LLMF 16000 h Rated	LLMF 2000 h Rated
63940055	380	380	Cool White (CW)	4100	85	80	82	92	91	96
71009355	313	337	Cool Daylight	6500	85	80	82	92	91	96
61072055	380	380	Cool White (CW)	4100	85	80	82	92	91	96
63944855	380	380	Cool White (CW)	4100	85	80	82	92	91	96
63946255	440	403	Warm white (WW)	3000	85	80	82	92	91	96
63948655	380	380	Cool White (CW)	4100	85	80	82	92	91	96
71015455	313	337	Cool Daylight	6500	85	80	82	92	91	96
63952355	380	380	Cool White (CW)	4100	85	80	82	92	91	96

Light Technical (2/2)

order code	LLMF 20000 h Rated	LLMF 4000 h Rated	LLMF 6000 h Rated	LLMF 8000 h Rated	Luminous Efficacy (@ Max Lumen, Rated) (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
63940055	90	95	94	93	99	86	1350	1200
71009355	90	95	94	93	91	80	1250	1125
61072055	90	95	94	93	101	90	2100	1850
63944855	90	95	94	93	101	90	2100	1850
63946255	90	95	94	93	104	94	2900	2625
63948655	90	95	94	93	104	94	2900	2625
71015455	90	95	94	93	97	88	2700	2450
63952355	90	95	94	93	105	94	3650	3325

Operating and Electrical

order code	Lamp Current (Nom)	Power (Rated) (Nom)
63940055	0.165	14
71009355	0.165	14
61072055	0.165	20.6
63944855	0.165	20.6
63946255	0.170	27.9

order code	Lamp Current (Nom)	Power (Rated) (Nom)
63948655	0.170	27.9
71015455	0.170	27.9
63952355	0.175	35.5

Temperature

order code	Design Temperature (Nom)
63940055	35
71009355	35
61072055	35
63944855	35
63946255	35
63948655	35
71015455	35
63952355	35

Approval and Application

order code	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
63940055	15	A+	1.4
71009355	15	A+	1.4
61072055	23	A+	1.4
63944855	23	A+	1.4
63946255	31	A+	1.4
63948655	31	A+	1.4
71015455	31	A+	1.4
63952355	38	A+	1.4



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