Datasheet, 2022, August 7

data subject to change

MASTER TL5 High Efficiency

MASTER TL5 HE 35W/865 1SL/40

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

Warnings and Safety

PHILIPS

Lighting

• 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.

Product data

General information					
Cap base	G5 [G5]				
Life to 50% failures preheat (nom.)	24000 h				
Features	na [Not Applicable]				
System description	High Efficiency				
LSF preheat 2,000 hours rated	99 %				
LSF preheat 4,000 hours rated	99 %				
LSF preheat 6,000 hours rated	99 %				
LSF preheat 8,000 hours rated	99 %				
LSF preheat 16,000 hours rated	97 %				
LSF preheat 20,000 hours rated	84 %				
	Sphere				
Light technical					
Colour Code	865 [CCT of 6,500 K]				
Luminous flux (nom.)	3100 lm				
Luminous flux (rated) (nom.)	3100 lm				
Colour designation	Cool Daylight				
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	97 lm/W				

Chromaticity coordinate X (nom.)	0.313		
Chromaticity coordinate Y (nom.)	0.337		
Correlated Colour Temperature (Nom)	6500 K		
Luminous efficacy (rated) (nom.)	87 lm/W		
Color rendering index (max.)	85		
Colour-rendering index (min.)	80		
Colour rendering index (nom.)	82		
LLMF 2000 h Rated	96 %		
LLMF 4000 h Rated	95 %		
LLMF 6000 h Rated	94 %		
LLMF 8000 h Rated	93 %		
LLMF 12000 h Rated	92 %		
LLMF 16000 h Rated	91 %		
LLMF 20000 h Rated	90 %		
Operating and electrical			
Power (Rated) (Nom)	34.9 W		
Lamp current (nom.)	0.175 A		





MASTER TL5 High Efficiency

Temperature			
Design temperature (nom.)	35 ℃		
Controls and dimming			
Dimmable	Yes		
Mechanical and housing			
Cap-base information	Green Plate		
Bulb shape	T5 [16 mm (T5)]		
Approval and application			
Energy Efficiency Class	G		
Mercury (Hg) content (nom.)	1.2 mg		
Energy consumption kWh/1,000 hours	35 kWh		
	423544		

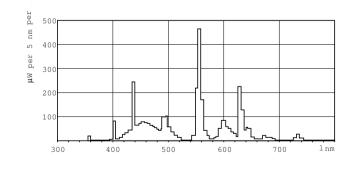
Product data			
Full product code	871150071018555		
Order product name	MASTER TL5 HE 35W/865 SLV/40		
EAN/UPC – product	8711500710185		
Order code	71018555		
Local order code	35865		
SAP numerator – quantity per pack	1		
Numerator – packs per outer box	40		
SAP material	927927086555		
Net Weight (Piece)	127.400 g		
ILCOS code	FDH-35/65/1B-L/P-G5-16/1450		

Dimensional drawing

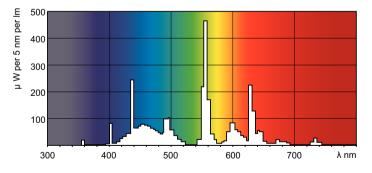
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE	17 mm	1449.0 mm	1456.1 mm	1453.7 mm	1463.2 mm
35W/865 SLV/40					

MASTER TL5 HE 35W/865 SLV/40

Photometric data



Lightcolour /865

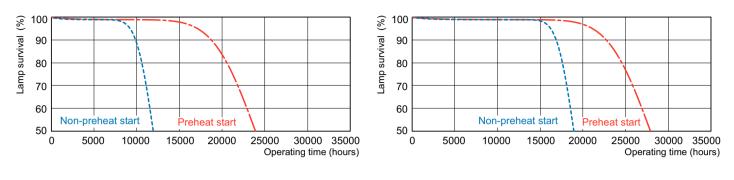


Lightcolour /865

MASTER TL5 High Efficiency

LDLE_TL5-HE8_0001-Life expectancy diagram

Lifetime





LDLE_TL5-HE8_0002-Life expectancy diagram

LDLM_TL5-HE8_0001-Lumen maintenance diagram



© 2022 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2022, August 7 - data subject to change