Datasheet, 2022, August 7

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

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 2000 h Rated	99 %		
LSF Preheat 4000 h Rated	99 %		
LSF Preheat 6000 h Rated	99 %		
LSF Preheat 8000 h Rated	99 %		
LSF Preheat 16000 h Rated	97 %		
LSF Preheat 20000 h Rated	84 %		
Flux measurement reference	Sphere		
Light technical			
Colour Code	865 [CCT of 6500K]		
Luminous Flux (Nom)	1750 lm		
Luminous Flux (Rated) (Nom)	1725 lm		
Colour Designation	Cool Daylight		
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	94 lm/W		

MASTER TL5 High

MASTER TL5 HE 21W/865 1SL/40

Chromaticity Coordinate X (Nom)	0.313	
Chromaticity Coordinate Y (Nom)	0.337	
Colour Temperature, horizontal (Nom)	6500 K	
Luminous Efficacy (rated) (Nom)	84 lm/W	
Colour Rendering Index horiz (Max)	85	
Colour Rendering Index horiz (Min)	80	
Colour Rendering Index horiz (Nom)	82	
Depreciation 2000 hrs	96 %	
LLMF 4000 h Rated	95 %	
Depreciation 5000 hrs	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)	20.8 W	
Lamp Current (Nom)	0.165 A	



Efficiency

PHILIPS

A ↑ G G



MASTER TL5 High Efficiency

Temperature				
Design Temperature (Nom)	35 °C			
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/1000 h	21 kWh			

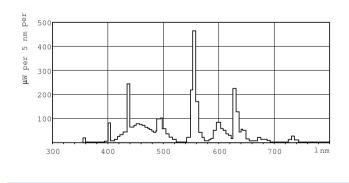
EPREL Registration Number	423456	
Product data		
Full product code	871150071011655	
Order product name	MASTER TL5 HE 21W/865 SLV/40	
EAN/UPC - Product	8711500710116	
Order code	71011655	
Numerator - Quantity Per Pack	1	
Numerator - Packs per outer box	40	
Material Nr. (12NC)	927926286555	
Net Weight (Piece)	79.200 g	
ILCOS Code	FDH-21/65/1B-L/P-G5-16/850	

Dimensional drawing

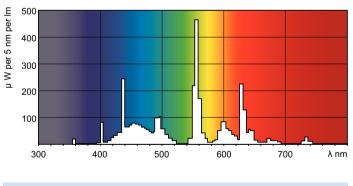
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE 21W/865	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
SLV/40					

MASTER TL5 HE 21W/865 SLV/40

Photometric data



Lightcolour /865

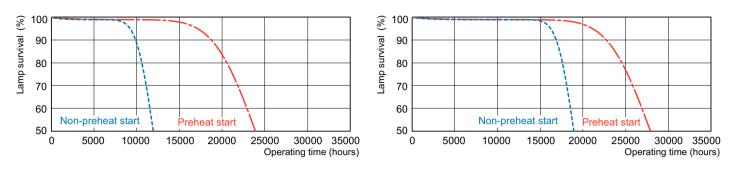


Lightcolour /865

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



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