# **PHILIPS** Lighting

# MASTER TL5 High Efficiency

# MASTER TL5 HE 21W/830 SLV/40

This TL5 lamp (tube diameter 16 mm) has a high luminous efficacy, resulting in low energy consumption. The High Efficiency TL5 lamp offers excellent lumen maintenance and good color rendering. Application areas are offices, industry, public and governmental buildings, schools, hospitals and indoor sports lighting.

#### **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 %			

Light Technical	
Color Code	830 [ CCT of 3000K]
Luminous Flux (Nom)	2100 lm
Luminous Flux (Rated) (Nom)	1850 lm
Color Designation	Warm White (WW)
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	101 lm/W
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	90 lm/W

Color Rendering Index (Max)	85
Color Rendering Index (Min)	80
Color Rendering Index (Nom)	>80
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 (Nom)	20.6 W
Lamp Current (Nom)	0.165 A
Temperature	
Design Temperature (Nom)	35 ℃

## **MASTER TL5 High Efficiency**

Controls and Dimming		
Dimmable	Yes	
Mechanical and Housing		
Cap-Base Information	Green Plate	
Approval and Application		
Energy Efficiency Label (EEL)	A+	
Mercury (Hg) Content (Nom)	1.4 mg	
Energy Consumption kWh/1000 h	23 kWh	
Product Data		
Full product code	871150063942455	

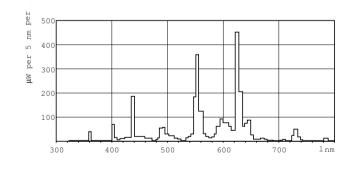
Order product name	MASTER TL5 HE 21W/830 SLV/40		
EAN/UPC - Product	8711500639424		
Order code	927926283055		
Numerator - Quantity Per Pack	1		
Numerator - Packs per outer box	40		
Material Nr. (12NC)	927926283055		
Net Weight (Piece)	79.200 g		
ILCOS Code	FDH-21/30/1B-L/P-G5-16/850		

#### Dimensional drawing

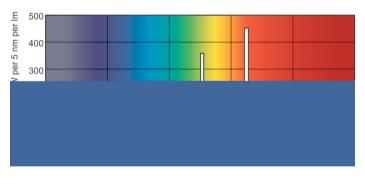
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE 21W/830	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
SLV/40					

#### TL5 21W/830/GP HE

#### Photometric data



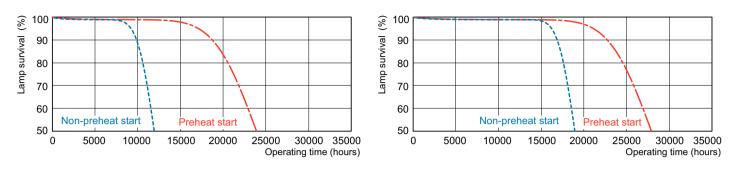
LDPB\_TL5-HE8\_830-Spectral power distribution B/W





### **MASTER TL5 High Efficiency**

#### Lifetime





LDLE\_TL5-HE8\_0002-Life expectancy diagram

LDLM\_TL5-HE8\_0001-Lumen maintenance diagram

LDLE\_TL5-HE8\_0001-Life expectancy diagram



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