



MASTER TL5 High Output Eco

Lámpara tubular de mercurio a baja presión.

Características

- Lámpara con una eficacia elevada de más de 109 lm/W
- Eficacia del 10% por la mejora de las tres bandas de revestimiento fluorescente en combinación con la composición del nuevo gas de relleno
- El flujo luminoso es prácticamente equivalente a un tubo fluorescente MASTER TL5 HO
- Diseñado para su utilización con equipos electrónicos; buena elección para la regulación
- Maximum light output reached at approximately 35 °C in free-burning position if an electronic driver without additional electrode heating is used
- Temperatura de funcionamiento entre -15 y +50 °C

Ventajas

- Ahorro energético de más del 10% con la misma calidad de Luz
- Las mismas ventajas que al utilizar un tubo fluorescente TL5

Medioambiente

- La mejor elección medioambiental gracias a su alta eficiencia energética
- Bajo contenido de mercurio y 100% libre de sustancias peligrosas
- Menor utilización de materiales (embalajes, pesos, transporte) debido a sus dimensiones más pequeñas.
- Cumple la normativa RoHS
- Cumple la normativa de RAEE

Aplicaciones

- Solución de ahorro energético idóneo para aplicaciones donde se requiere mayor cantidad de luz como por ejemplo: Luminarias de iluminación indirecta, efectos de iluminación indirecta, o aplicaciones de techos altos.
- Resultan idóneas para tiendas, edificios públicos, oficinas, aplicaciones industriales (Naves-almacenes, industria de procesos, automoción.)

Equipo

- El ahorro energético se produce utilizando la lámpara con su correspondiente equipo. Las lámparas operan a la perfección con el

PHILIPS

balasto correspondiente pero ofrecen 10% mas de luminosidad usando un 10% menos de energia.

Código de pedido	Nombre de Producto
825909 00	MASTER TL5 HO Eco 50=54W/830 UNP
825916 00	MASTER TL5 HO Eco 50=54W/840 UNP
825947 00	MASTER TL5 HO Eco 45=49W/830 UNP
825954 00	MASTER TL5 HO Eco 45=49W/840 UNP
825961 00	MASTER TL5 HO Eco 73=80W/830 UNP
825978 00	MASTER TL5 HO Eco 73=80W/840 UNP
880847 00	MASTER TL5 HO Eco 20=24W/830 UNP
880861 00	MASTER TL5 HO Eco 20=24W/840 UNP

Legenda

Columna	Valor	Explicación N
Código de Color	830	CCT of 3000K
	840	CCT of 4000K

Especificaciones básicas - Lamps

Código de pedido	Código de Color	Potencia de la Lámpara Estimada [W]	Designación de Color	Base/Casquillo	Forma de la lámpara	Vida Media con Balasto Electrónico Precaldeo [hrs]	Life to 10% failures Preheat EL, 3 h cycle [h]	Rated Lamp Survival Factor HF Preheat, 3 h cycle at 20000 h [%]	Rated Lamp Survival Factor HF Preheat, 3 h cycle at 12000 h [%]
825909 00	830	50	Blanco Cálido	G5	T5	25000 [nom]	21000 [nom]	92 % [nom]	95 % [nom]
825916 00	840	50	Blanco Frío	G5	T5	25000 [nom]	21000 [nom]	85 % [nom]	95 % [nom]
825947 00	830	45	Blanco Cálido	G5	T5	25000 [nom]	21000 [nom]	92 % [nom]	95 % [nom]
825954 00	840	45	Blanco Frío	G5	T5	25000 [nom]	21000 [nom]	92 % [nom]	95 % [nom]
825961 00	830	73	Blanco Cálido	G5	T5	25000 [nom]	21000 [nom]	92 % [nom]	95 % [nom]
825978 00	840	73	Blanco Frío	G5	T5	25000 [nom]	21000 [nom]	92 % [nom]	95 % [nom]
880847 00	830	20	Blanco Cálido	G5	T5	25000 [nom]	21000 [nom]	92 % [nom]	95 % [nom]
880861 00	840	20	Blanco Frío	G5	T5	25000 [nom]	21000 [nom]	92 % [nom]	95 % [nom]

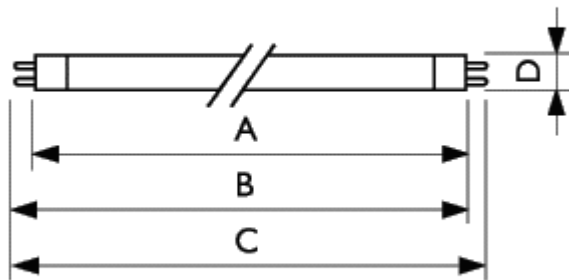
Código de pedido	Rated Lamp Survival Factor HF Preheat, 3 h cycle at 8000 h [%]	Rated Lamp Survival Factor HF Preheat, 3 h cycle at 6000 h [%]	Rated Lamp Survival Factor HF Preheat, 3 h cycle at 4000 h [%]	Rated Lamp Survival Factor HF Preheat, 3 h cycle at 2000 h [%]	Rated Lamp Survival Factor HF Preheat, 3 h cycle at 16000 h [%]	Voltaje de la Lámpara con Balasto Electrónica a 25°C [V]	Corriente Lámpara con Balasto Electrónica a 25°C [A]	Regulable	Lamp Wattage EL at 35 °C [W]	Corriente Lámpara Balasto Electrónica 35°C [A]
825909 00	97 % [nom]	98 % [nom]	98 % [nom]	99 % [nom]	95 % [nom]	107 [nom]	0.460 [nom]	Sí	49 [nom]	0.460 [nom]
825916 00	97 % [nom]	98 % [nom]	98 % [nom]	99 % [nom]	94 % [nom]	107 [nom]	0.460 [nom]	Sí	49 [nom]	0.460 [nom]
825947 00	97 % [nom]	98 % [nom]	98 % [nom]	99 % [nom]	95 % [nom]	177 [nom]	0.255 [nom]	Sí	45 [nom]	0.260 [nom]

Código de pedido	Rated Lamp Survival Factor HF Preheat, 3 h cycle at 8000 h [%]	Rated Lamp Survival Factor HF Preheat, 3 h cycle at 6000 h [%]	Rated Lamp Survival Factor HF Preheat, 3 h cycle at 4000 h [%]	Rated Lamp Survival Factor HF Preheat, 3 h cycle at 2000 h [%]	Rated Lamp Survival Factor HF Preheat, 3 h cycle at 16000 h [%]	Voltaje de la Lámpara con Balasto Electrónica a 25°C [V]	Corriente Lámpara con Balasto Electrónica a 25°C [A]	Regulable	Lamp Wattage EL at 35 °C [W]	Corriente Lámpara Balasto Electrónica 35°C [A]
825954 00	97 % [nom]	98 % [nom]	98 % [nom]	99 % [nom]	95 % [nom]	177 [nom]	0.255 [nom]	Sí	45 [nom]	0.260 [nom]
825961 00	97 % [nom]	98 % [nom]	98 % [nom]	99 % [nom]	95 % [nom]	132 [nom]	0.555 [nom]	Sí	74 [nom]	0.555 [nom]
825978 00	97 % [nom]	98 % [nom]	98 % [nom]	99 % [nom]	95 % [nom]	132 [nom]	0.555 [nom]	Sí	74 [nom]	0.555 [nom]
880847 00	97 % [nom]	98 % [nom]	98 % [nom]	99 % [nom]	95 % [nom]	64 [nom]	0.300 [nom]	Sí	19.6 [nom]	0.300 [nom]
880861 00	97 % [nom]	98 % [nom]	98 % [nom]	99 % [nom]	95 % [nom]	64 [nom]	0.300 [nom]	Sí	19.6 [nom]	0.300 [nom]

Código de pedido	Voltaje de la Lámpara con Balasto Electrónica a 35°C [V]	Rated Lamp Wattage EL, at 25 °C [W]	Nominal Lamp Wattage EL, at 25 °C [W]	Etiqueta de Eficiencia Energética (EEL)	Mercury (Hg) Content [mg]	Índice de Reproducción Cromática [Ra]	Temperatura de Color [K]	Coordenada Cromática X	Coordenada Cromática Y	Flujo Lum. Lámp.c.Bal. Elec.35°C [lm]
825909 00	107 [nom]	49.2 [nom]	49 [nom]	A	1.4 mg [nom]	85 [nom]	3000 [nom]	444 [nom]	409 [nom]	5000 [nom]
825916 00	107 [nom]	49.2 [nom]	49 [nom]	A	1.4 mg [nom]	85 [nom]	4000 [nom]	383 [nom]	386 [nom]	5000 [nom]
825947 00	133 [nom]	45.1 [nom]	45 [nom]	A	1.4 mg [nom]	85 [nom]	3000 [nom]	444 [nom]	409 [nom]	4900 [nom]
825954 00	174 [nom]	45.1 [nom]	45 [nom]	A	1.4 mg [nom]	85 [nom]	4000 [nom]	383 [nom]	386 [nom]	4900 [nom]
825961 00	133 [nom]	73.3 [nom]	73 [nom]	B	1.4 mg [nom]	85 [nom]	3000 [nom]	444 [nom]	409 [nom]	7000 [nom]
825978 00	133 [nom]	73.3 [nom]	73 [nom]	B	1.4 mg [nom]	85 [nom]	4000 [nom]	383 [nom]	386 [nom]	7000 [nom]
880847 00	66 [nom]	19.2 [nom]	20 [nom]	A	1.4 mg [nom]	85 [nom]	3000 [nom]	444 [nom]	409 [nom]	1950 [nom]
880861 00	66 [nom]	19.2 [nom]	20 [nom]	A	1.4 mg [nom]	85 [nom]	4000 [nom]	383 [nom]	386 [nom]	1950 [nom]

Código de pedido	Lumin. Media con Bal.Elec 25°C [cd/cm ²]	Rated Luminous Efficacy Lamp HF, at 25 °C [lm/W]	Rated Luminous Efficacy Lamp HF, at 35 °C [lm/W]	Rated Lamp Lumen Maintenance Factor HF, at 20000 h [%]	Rated Lamp Lumen Maintenance Factor HF, at 16000 h [%]	Rated Lamp Lumen Maintenance Factor HF, at 12000 h [%]	Rated Lamp Lumen Maintenance Factor HF, at 8000 h [%]	Rated Lamp Lumen Maintenance Factor HF, at 6000 h [%]	Rated Lamp Lumen Maintenance Factor HF, at 4000 h [%]	Rated Lamp Lumen Maintenance Factor HF, at 2000 h [%]
825909 00	2.6 [nom]	89 [nom]	102 [nom]	88 % [nom]	90 % [nom]	91 % [nom]	93 % [nom]	94 % [nom]	95 % [nom]	96 % [nom]
825916 00	2.6 [nom]	89 [nom]	102 [nom]	88 % [nom]	90 % [nom]	91 % [nom]	93 % [nom]	94 % [nom]	95 % [nom]	96 % [nom]
825947 00	2.0 [nom]	91 [nom]	109 [nom]	88 % [nom]	90 % [nom]	91 % [nom]	93 % [nom]	94 % [nom]	95 % [nom]	96 % [nom]
825954 00	2.0 [nom]	91 [nom]	109 [nom]	88 % [nom]	90 % [nom]	91 % [nom]	93 % [nom]	94 % [nom]	95 % [nom]	96 % [nom]
825961 00	2.9 [nom]	84 [nom]	99 [nom]	88 % [nom]	90 % [nom]	91 % [nom]	93 % [nom]	94 % [nom]	95 % [nom]	96 % [nom]
825978 00	2.9 [nom]	84 [nom]	99 [nom]	88 % [nom]	90 % [nom]	91 % [nom]	93 % [nom]	94 % [nom]	95 % [nom]	96 % [nom]
880847 00	2.2 [nom]	86 [nom]	98 [nom]	88 % [nom]	90 % [nom]	91 % [nom]	93 % [nom]	94 % [nom]	95 % [nom]	96 % [nom]
880861 00	2.2 [nom]	86 [nom]	98 [nom]	88 % [nom]	90 % [nom]	91 % [nom]	93 % [nom]	94 % [nom]	95 % [nom]	96 % [nom]

Código de pedido	Rated Luminous Flux EL Lamp at 25 °C [lm]	Nominal Luminous Flux Lamp EL, at 25 °C [lm]	Design Temperature for Maximum Luminous Flux [°C]	Calibration Current [A]	Rated Voltage HF Generator [V]	Resistor [ohm]	
825909 00	4400 [nom]	4400 [nom]	35 C [nom]	0.460 A [nom]	224 V [nom]	255 ohm [nom]	
825916 00	4400 [nom]	4400 [nom]	35 C [nom]	0.460 A [nom]	224 V [nom]	255 ohm [nom]	
825947 00	4100 [nom]	4100 [nom]	35 C [nom]	0.255 A [nom]	373 V [nom]	765 ohm [nom]	
825954 00	4100 [nom]	4100 [nom]	35 C [nom]	0.255 A [nom]	373 V [nom]	765 ohm [nom]	
825961 00	6150 [nom]	6150 [nom]	35 C [nom]	0.550 A [nom]	278 V [nom]	260 ohm [nom]	
825978 00	6150 [nom]	6150 [nom]	35 C [nom]	0.550 A [nom]	278 V [nom]	260 ohm [nom]	
880847 00	1650 [nom]	1650 [nom]	35 C [nom]	0.300 A [nom]	141 V [nom]	250 ohm [nom]	
880861 00	1650 [nom]	1650 [nom]	35 C [nom]	0.300 A [nom]	141 V [nom]	250 ohm [nom]	



MASTER TL5 High Output Eco Dimensiones

MASTER TL5 HO Eco

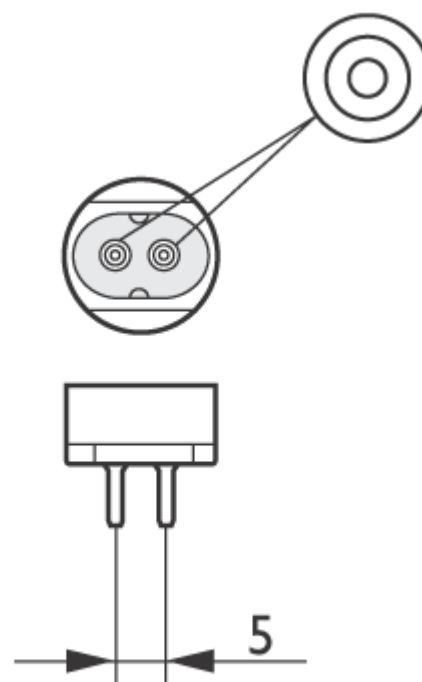
	A	B	C	D	
Dimensiones de referencia	Max	Min	Max	Max	Max
1	1449.0	1453.7	1456.1	1463.2	17
2	1149.0	1153.7	1156.1	1163.2	17
3	549.0	553.7	556.1	563.2	17

Nombre de Producto	Dimensiones de referencia
MASTER TL5 HO Eco 73=80W/840 UNP	1
MASTER TL5 HO Eco 73=80W/830 UNP	1
MASTER TL5 HO Eco 50=54W/840 UNP	2
MASTER TL5 HO Eco 50=54W/830 UNP	2
MASTER TL5 HO Eco 45=49W/840 UNP	1
MASTER TL5 HO Eco 45=49W/830 UNP	1
MASTER TL5 HO Eco 20=24W/840 UNP	3
MASTER TL5 HO Eco 20=24W/830 UNP	3

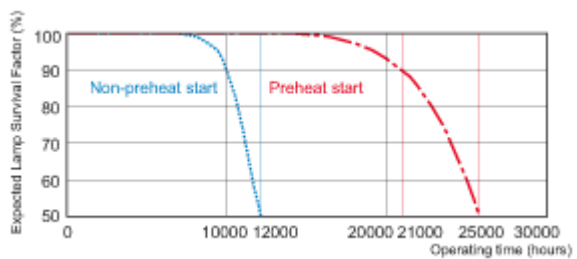
Letra	Explicación N
A	Longitud Casquillo-Casquillo A
B	Longitud B de Inserción
C	Longitud Total C
D	Diámetro D



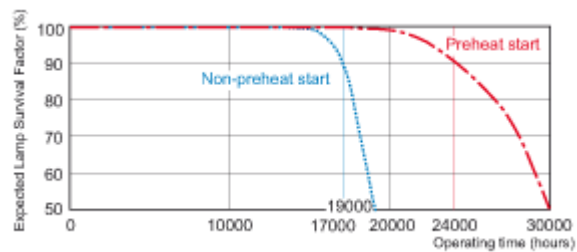
MASTER TL5 High Output Eco
MASTER TL5 HO Eco



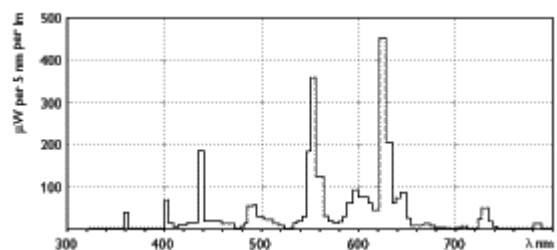
MASTER TL Mini Casquillo
Base/Casquillo G5



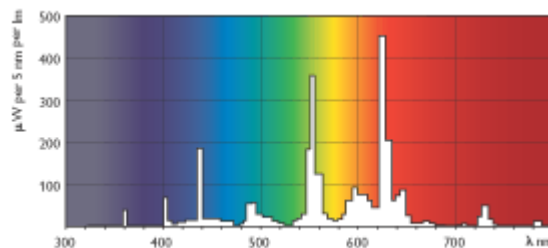
Life Expectancy 3h cycle
MASTER TL5 HO Eco



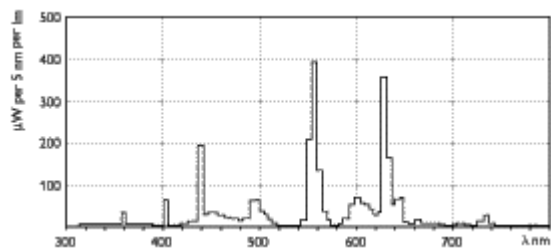
Life Expectancy 12h cycle
MASTER TL5 HO Eco



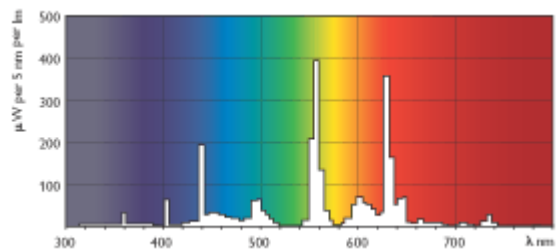
Designación de color /830
MASTER TL5 HO Eco/830



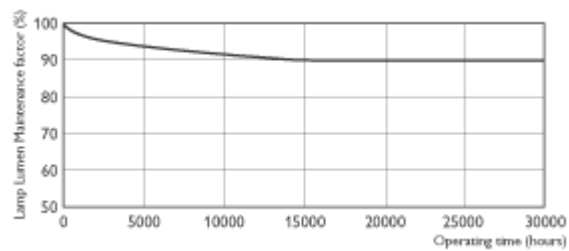
Designación de color /830
MASTER TL5 HO Eco/830



Designación de color /840
MASTER TL5 HO Eco/840



Designación de color /840
MASTER TL5 HO Eco/840



Mantenimiento de flujo
MASTER TL5 HO Eco



©2009 Koninklijke Philips Electronics N.V.

All rights reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use. Publication thereof does not convey nor imply any license under patent- or other industrial or intellectual property rights.

Document order number : 0000 000 00000