



MASTER TL5 High Efficiency Eco

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

Características

- Lámpara de alta eficacia de hasta 114 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 y la presión
- Flujo luminoso idéntico a las lámparas TL5 HE standar teniendo en cuenta la temperatura ambiente.
- Diseñado para funcionar con equipos electrónicos, permite regulación.
- El flujo máximo se alcanza a los 35 ° C (aprox.).

Ventajas

- 10% de ahorro energético con el mismo nivel y calidad de la luz que una lámpara TL5 Alta Eficacia Regular.
- Su tamaño reducido facilita el diseño de luminarias compactas.
- Ofrece mayor eficacia y ahorro en energía que las lámparas TL-D.
- Excelente mantenimiento del flujo luminoso.
- Buena Reproducción cromática.
- Ajustable a sistemas de módulos de techos.

Medio Ambiente

- Excelente elección Medioambiental debido a la elevada eficiencia energética de las lámparas fluorescentes.
- Bajo contenido de mercurio.
- Este producto cumple con la directiva RoHS
- Cumple con la normativa RAEE

Aplicaciones

- Resultan idóneas para aplicaciones de luminarias empotradas y suspendidas como por ejemplo en oficinas, tiendas, colegios, edificios públicos e Industrias (Techos bajos) y aquellas aplicaciones en las que la eficiencia de la luz sea necesaria.

Equipo

- El ahorro de energía se consigue cuando la lámpara se instala con el equipo correspondiente. Las lámparas funcionan a la perfección con el equipo correspondiente dando un 10% con descenso del 10% de la energía.

PHILIPS

Código de pedido	Nombre de Producto
825886 00	MASTER TL5 HE Eco 25=28W/830 UNP
825893 00	MASTER TL5 HE Eco 25=28W/840 UNP
825923 00	MASTER TL5 HE Eco 32=35W/830 UNP
825930 00	MASTER TL5 HE Eco 32=35W/840 UNP
880816 00	MASTER TL5 HE Eco 13=14W/830 UNP
880830 00	MASTER TL5 HE Eco 13=14W/840 UNP

Legenda

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

Especificaciones básicas - Lamps

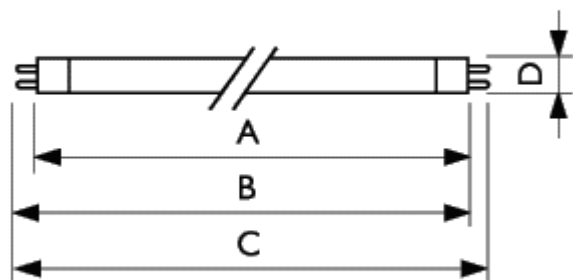
Código de pedido	Código de Color	Potencia de la Lámpara Estimada [W]	Designación de Color	Base/Casquillo	Forma de la lámpara	Vida Media con Balasto Electrónico Precaldeo [hrs]	Life to 10% failures Preheat EL, 3 h cycle [h]	Rated Lamp Survival Factor HF Preheat, 3 h cycle at 20000 h [%]	Rated Lamp Survival Factor HF Preheat, 3 h cycle at 12000 h [%]
825886 00	830	25	Blanco Cálido	G5	T5	25000 [nom]	21000 [nom]	92 % [nom]	95 % [nom]
825893 00	840	25	Blanco Frío	G5	T5	25000 [nom]	21000 [nom]	92 % [nom]	95 % [nom]
825923 00	830	32	Blanco Cálido	G5	T5	25000 [nom]	21000 [nom]	92 % [nom]	95 % [nom]
825930 00	840	32	Blanco Frío	G5	T5	25000 [nom]	21000 [nom]	92 % [nom]	95 % [nom]
880816 00	830	13	Blanco Cálido	G5	T5	25000 [nom]	21000 [nom]	92 % [nom]	95 % [nom]
880830 00	840	13	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]
825886 00	97 % [nom]	98 % [nom]	98 % [nom]	99 % [nom]	95 % [nom]	147 [nom]	0.170 [nom]	Sí	25.5 [nom]	0.170 [nom]
825893 00	97 % [nom]	98 % [nom]	98 % [nom]	99 % [nom]	95 % [nom]	147 [nom]	0.170 [nom]	Sí	25.5 [nom]	0.170 [nom]
825923 00	97 % [nom]	98 % [nom]	98 % [nom]	99 % [nom]	95 % [nom]	188 [nom]	0.170 [nom]	Sí	32 [nom]	0.170 [nom]
825930 00	97 % [nom]	98 % [nom]	98 % [nom]	99 % [nom]	95 % [nom]	188 [nom]	0.170 [nom]	Sí	32 [nom]	0.170 [nom]
880816 00	97 % [nom]	98 % [nom]	98 % [nom]	99 % [nom]	95 % [nom]	70 [nom]	0.170 [nom]	Sí	12.5 [nom]	0.170 [nom]
880830 00	97 % [nom]	98 % [nom]	98 % [nom]	99 % [nom]	95 % [nom]	70 [nom]	0.170 [nom]	Sí	12.5 [nom]	0.170 [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]
825886 00	153 [nom]	25.0 [nom]	25 [nom]	A	1.4 [nom]	85 [nom]	3000 [nom]	444 [nom]	409 [nom]	2850 [nom]
825893 00	153 [nom]	25.0 [nom]	25 [nom]	A	1.4 [nom]	85 [nom]	4000 [nom]	383 [nom]	386 [nom]	2850 [nom]
825923 00	195 [nom]	32.0 [nom]	32 [nom]	A	1.4 [nom]	85 [nom]	3000 [nom]	444 [nom]	409 [nom]	3575 [nom]
825930 00	195 [nom]	32.0 [nom]	32 [nom]	A	1.4 [nom]	85 [nom]	4000 [nom]	383 [nom]	386 [nom]	3575 [nom]
880816 00	75 [nom]	11.9 [nom]	12 [nom]	A	1.4 [nom]	85 [nom]	3000 [nom]	444 [nom]	409 [nom]	1300 [nom]
880830 00	75 [nom]	12.5 [nom]	12 [nom]	A	1.4 [nom]	85 [nom]	4000 [nom]	383 [nom]	386 [nom]	1300 [nom]

Código de pedido	Lumin. Media con Bal.Elec 25°C [cd/cm²]	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 [%]
825886 00	1.5 [nom]	98 [nom]	114 [nom]	88 % [nom]	90 % [nom]	91 % [nom]	93 % [nom]	94 % [nom]	95 % [nom]	96 % [nom]
825893 00	1.5 [nom]	98 [nom]	114 [nom]	88 % [nom]	90 % [nom]	91 % [nom]	93 % [nom]	94 % [nom]	95 % [nom]	96 % [nom]
825923 00	1.5 [nom]	97 [nom]	114 [nom]	88 % [nom]	90 % [nom]	91 % [nom]	93 % [nom]	94 % [nom]	95 % [nom]	96 % [nom]
825930 00	1.5 [nom]	97 [nom]	114 [nom]	88 % [nom]	90 % [nom]	91 % [nom]	93 % [nom]	94 % [nom]	95 % [nom]	96 % [nom]
880816 00	1.5 [nom]	97 [nom]	109 [nom]	88 % [nom]	90 % [nom]	91 % [nom]	93 % [nom]	94 % [nom]	95 % [nom]	96 % [nom]
880830 00	1.5 [nom]	97 [nom]	109 [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]	
825886 00	2450 [nom]	2450 [nom]	35 C [nom]	170 A [nom]	315 V [nom]	950 ohm [nom]	
825893 00	2450 [nom]	2450 [nom]	35 C [nom]	170 A [nom]	315 V [nom]	950 ohm [nom]	
825923 00	3100 [nom]	3100 [nom]	35 C [nom]	170 A [nom]	394 V [nom]	1200 ohm [nom]	
825930 00	3100 [nom]	3100 [nom]	35 C [nom]	170 A [nom]	394 V [nom]	1200 ohm [nom]	
880816 00	1150 [nom]	1150 [nom]	35 C [nom]	170 A [nom]	160 V [nom]	500 ohm [nom]	
880830 00	1150 [nom]	1150 [nom]	35 C [nom]	170 A [nom]	160 V [nom]	500 ohm [nom]	



MASTER TL5 High Efficiency Eco Dimensiones

MASTER TL5 HE 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

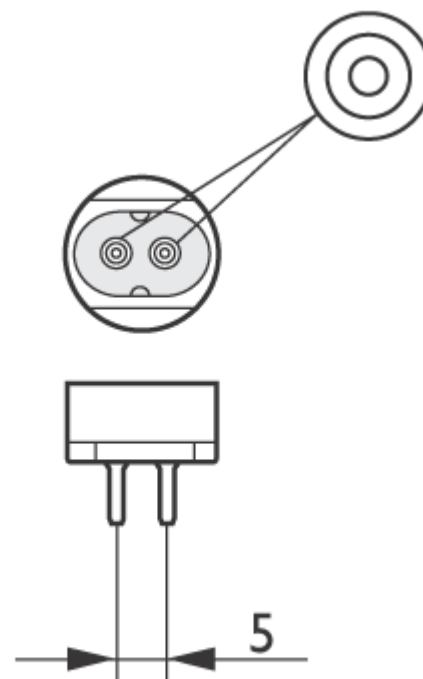
Nombre de Producto	Dimensiones de referencia
MASTER TL5 HE Eco 32=35W/840 UNP	1
MASTER TL5 HE Eco 32=35W/830 UNP	1
MASTER TL5 HE Eco 25=28W/840 UNP	2
MASTER TL5 HE Eco 25=28W/830 UNP	2
MASTER TL5 HE Eco 13=14W/840 UNP	3
MASTER TL5 HE Eco 13=14W/830 UNP	3

Letra	Explicación N
A	Longitud Casquillo-Casquillo A

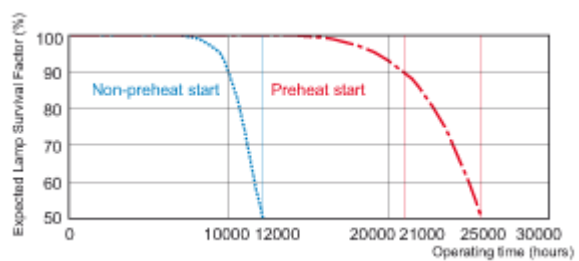
Letra	Explicación N
B	Longitud B de Inserción
C	Longitud Total C
D	Diámetro D



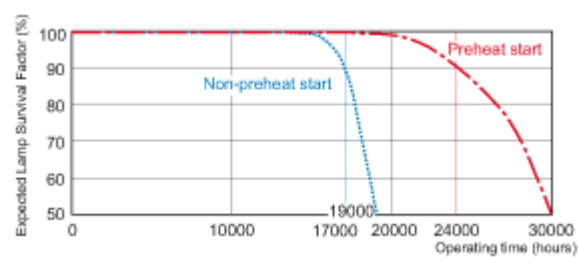
MASTER TL5 High Efficiency Eco
MASTER TL5 HE Eco



MASTER TL Mini Casquillo
Base/Casquillo G5

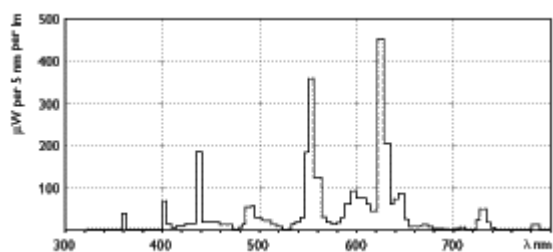


Life Expectancy 3h cycle
MASTER TL5 HE Eco

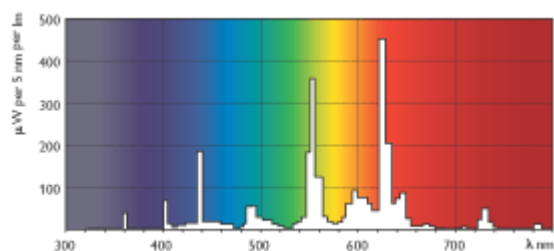


Life Expectancy 12h cycle
MASTER TL5 HE Eco

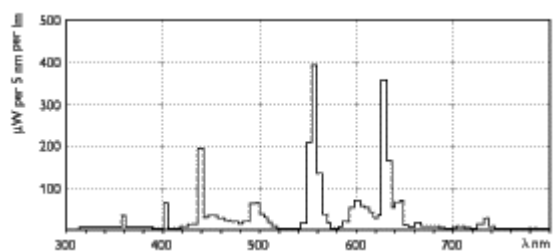




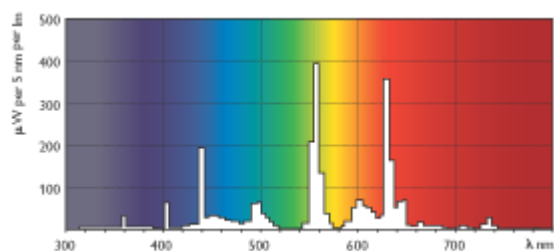
Designación de color /830
MASTER TL5 HE Eco/830



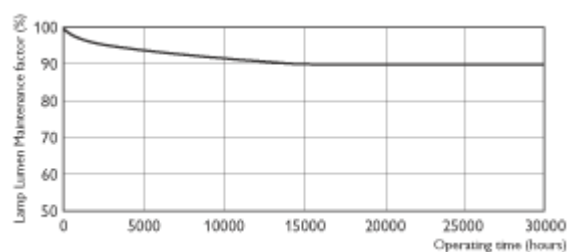
Designación de color /830
MASTER TL5 HE Eco/830



Designación de color /840
MASTER TL5 HE Eco/840



Designación de color /840
MASTER TL5 HE Eco/840



Mantenimiento del Flujo
MASTER TL5 HE Eco



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