42	DMILIDS		
100			

Lighting

PHILIPS

T8

44T8HO/COR/96-840/MF54/G/R17d 10/1

Our TLEDs are available in InstantFit (Type A / Type C) or MainsFit (Ballast bypass / Type B) versions. The InstantFit lamps work on a broad variety of ballasts and LED drivers. Only InstantFit has over 15,000 lamp & ballast combinations delivering even light output, energy savings and a long lifetime. Our MainsFit products feature a double-ended design, simplifying installation while a proprietary safety circuit minimizes a shock risk. Lamp sizes range from 2-foot to 8-foot and U-bend with a variety of lumen outputs.

Product data

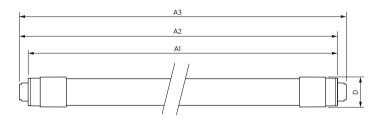
General Information			
Cap-Base	R17D [R17d (RDC)]		
Nominal lifetime	50,000 hour(s)		
Switching Cycle	50,000		
Lighting Technology	LED		
EU RoHS compliant	Yes		
Light Technical			
Color Code	840 [CCT of 4000K]		
Beam Angle (Nom)	240 degree(s)		
Luminous Flux	5,400 lm		
Color Designation	Cool White (CW)		
Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom)	122.00 lm/W		
Color Consistency	<6		
Color rendering index (CRI)	82		
LLMF At End Of Nominal Lifetime (Nom) 70 %			
Operating and Electrical			
Line Frequency	50 to 60 Hz		

Input Frequency	50 to 60 Hz			
Power Consumption	44 W			
Lamp Current (Max)	375 mA			
Lamp Current (Min)	168 mA			
Wattage Equivalent	96 W			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	120-277 V			
UL Type	Type B - bypass the ballast			
Temperature				
Ambient temperature range	-20 °C to 45 °C			
T-Case Maximum (Nom)	55 °C			
Controls and Dimming				
Dimmable	No			
Mechanical and Housing				
Bulb Finish	Frosted			

Bulb Material	Glass 2,400 mm		
Product Length			
Bulb Shape	Tube, double-ended		
Approval and Application			
Energy Saving Product	Yes		
Approval Marks	RoHS compliance UL certificate DLC		
	compliance		
Energy Consumption kWh/1000 h	- kWh		
Product Data			
Order product name	44T8HO/COR/96-840/MF54/G/R17d 10/1		

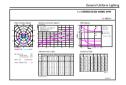
Full product name	44T8HO/COR/96-840/MF54/G/R17d 10/1		
Order code	929002014204		
Material Nr. (12NC)	929002014204		
Numerator - Quantity Per Pack	1		
EAN/UPC - Product/Case	046677545284		
Numerator - Packs per outer box	10		
EAN/UPC - Case	50046677545289		

Dimensional drawing



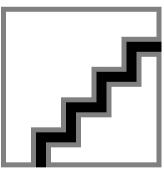
Product	D1	D2	A1	A2	A3
44T8HO/COR/96-840/	28 mm	27.8 mm	2,369.8 mm	2,378.7 mm	2,387.8 mm
MF54/G/R17d 10/1					

Photometric data



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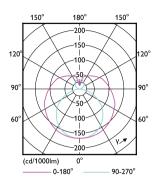
Cilcul



General uniform lighting - 44T8HO/COR/96-840/MF54/G/R17d 10/1

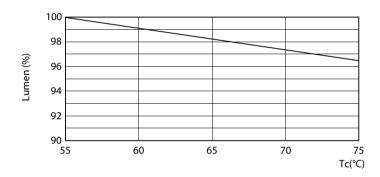
Spectral Power Distribution Colour - 44T8HO/COR/96-840/MF54/G/R17d 10/1

Photometric data

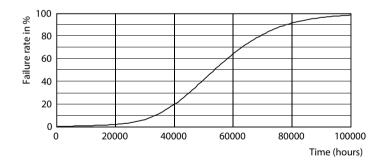


Light Distribution Diagram - 44T8HO/COR/96-840/MF54/G/R17d 10/1

Lifetime



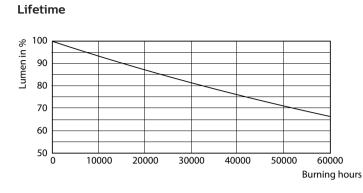




Life Expectancy Diagram - 44T8HO/COR/96-840/MF54/G/R17d 10/1

Life Expectancy Diagram - 44T8HO/COR/96-840/MF54/G/R17d 10/1

Life Expectancy Diagram - 44T8HO/COR/96-840/MF54/G/R17d 10/1



Lumen Maintenance Diagram - 44T8HO/COR/96-840/MF54/G/R17d 10/1



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www.lighting.philips.com 2023, November 12 - data subject to change