

T12

20T12 EM LED/48-3500 IF G 10/1

Philips UniversalFit TLEDs offer unique ballast compatibility working with both electronic (instant-start) and magnetic ballasts while meeting the revised UL1993 standards. The UniversalFit TLEDs are engineered to deliver excellent lighting effects and substantial energy savings while providing unmatched user & installer safety.

Product data

General Information				
Cap-Base	G13 [Medium Bi-Pin Fluorescent]			
Nominal lifetime	36,000 hour(s)			
Switching Cycle	50,000 LED			
Lighting Technology				
EU RoHS compliant	Yes			
Light Technical				
Color Code	835 [CCT of 3500K]			
Beam Angle (Nom)	240 degree(s)			
Luminous Flux	2,000 lm			
Color Designation	White (WH)			
Correlated Color Temperature (Nom)	3500 K			
Luminous Efficacy (rated) (Nom)	100.00 lm/W			
Color Consistency	<6			
Color rendering index (CRI)	82			
LLMF At End Of Nominal Lifetime (Nom)	70 %			
Operating and Electrical				
Line Frequency	60 Hz			
Input Frequency	60 Hz			
Power Consumption	20 W			
Lamp Current (Max)	220 mA			

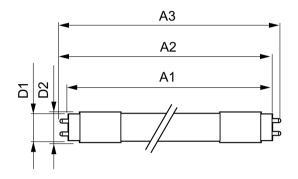
Lamp Current (Min)	90 mA			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.5			
Voltage (Nom)	120-277 V			
Temperature				
Ambient temperature range	-4 °F to 113 °F			
T-Case Maximum (Nom)	149 °F			
Controls and Dimming				
Dimmable	No			
Mechanical and Housing				
Product Length	47-1/4 inch			
Bulb Shape	Tube, double-ended			
Approval and Application				
Energy Saving Product	Yes			
Suitable For Accent Lighting	No			
Approval Marks	UL certificate RoHS compliance			
Energy Consumption kWh/1000 h	- kWh			

Datasheet, 2023, May 1 data subject to change

Product Data				
Order product name	20T12 EM LED/48-3500 IF G 10/1			
Full product name	20T12 EM LED/48-3500 IF G 10/1			
Order code	469064			
Material Nr. (12NC)	929001306204			
Numerator - Quantity Per Pack	1			

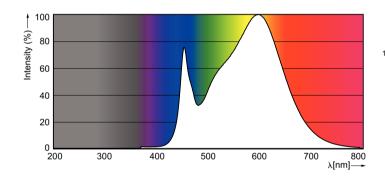
EAN/UPC - Product/Case	046677472757		
Numerator - Packs per outer box	10		
EAN/UPC - Case	50046677469066		

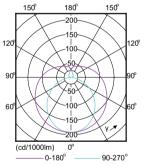
Dimensional drawing



Product	D1	D2	A1	A2	А3
20T12 EM LED/48-3500 IF G 10/1	25.68 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

Photometric data





Spectral Power Distribution Colour - 20T12 EM LED/48-3500 IF G 10/1

Light Distribution Diagram - 20T12 EM LED/48-3500 IF G 10/1



General uniform lighting - 20T12 EM LED/48-3500 IF G 10/1



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