

# **T12**

# 20T12 EM LED/48-3000 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				
Lighting Technology	LED				
EU RoHS compliant	Yes				
Light Technical					
Color Code	830 [CCT of 3000K]				
Beam Angle (Nom)	240 degree(s)				
Luminous Flux	2,000 lm				
Color Designation	White (WH)				
Correlated Color Temperature (Nom)	3000 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				

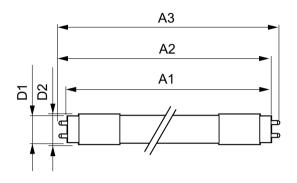
Lamp Current (Min)	90 mA				
Starting Time (Nom)	0.5 s				
Warm-up time to 60% light	0.5 s				
Power Factor (Fraction)	0.5				
Voltage (Nom)	120-277 V				
Temperature					
Ambient temperature range	-4 °F to 113 °F				
T-Case Maximum (Nom)	149 °F				
Controls and Dimming					
Dimmable	No				
Mechanical 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/48-3000 IF G 10/1
Full product name	20T12 EM LED/48-3000 IF G 10/1
Order code	469056
Material Nr. (12NC)	929001306104
Numerator - Quantity Per Pack	1

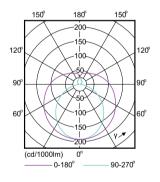
EAN/UPC - Product/Case	046677472740			
Numerator - Packs per outer box	10			
EAN/UPC - Case	50046677469059			

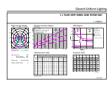
## Dimensional drawing



Product	D1	D2	A1	A2	А3
20T12 EM LED/48-3000 IF G 10/1	25.68 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

### Photometric data





Light Distribution Diagram - 20T12 EM LED/48-3000 IF G 10/1





Spectral Power Distribution Colour - 20T12 EM LED/48-3000 IF G 10/1



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