

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	-20 °C to 45 °C				
T-Case Maximum (Nom)	65 °C				
Controls and Dimming					
Dimmable	No				
Mechanical and Housing					
Product Length	1,200 mm				
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, December 6 data subject to change

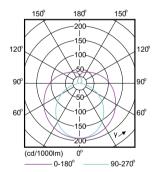
Product Data				
Order product name	20T12 EM LED/48-3000 IF G 10/1			
Full product name	20T12 EM LED/48-3000 IF G 10/1 929001306104			
Order code				
Material Nr. (12NC)	929001306104			
Numerator - Quantity Per Pack	1			

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

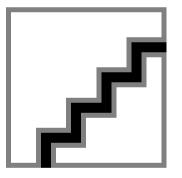
Dimensional drawing

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



General uniform lighting - 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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