



T12

20T12 EM LED/48-4000 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	840 [CCT of 4000K]				
Beam Angle (Nom)	240 degree(s)				
Luminous Flux	2,100 lm				
Color Designation	Cool White (CW)				
Correlated Color Temperature (Nom)	4000 K				
Luminous Efficacy (rated) (Nom)	105.00 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				

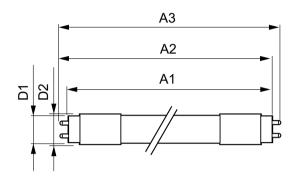
Lamp Current (Min)	90 mA				
Starting Time (Nom)	0.5 s				
Warm-up time to 60% light	0.5 s				
Power Factor (Fraction)	0.5				
Voltage (Nom)	120-277 V				
Temperature					
Ambient temperature range	-20 °C to 35 °C				
T-Case Maximum (Nom)	65 °C				
Controls and Dimming					
	No				
Dimmable	No				
Dimmable	No				
Dimmable Mechanical and Housing	No				
	No 1,200 mm				
Mechanical and Housing					
Mechanical and Housing Product Length	1,200 mm				
Mechanical and Housing Product Length	1,200 mm				
Mechanical and Housing Product Length Bulb Shape	1,200 mm				
Mechanical and Housing Product Length Bulb Shape Approval and Application	1,200 mm Tube, double-ended				
Mechanical and Housing Product Length Bulb Shape Approval and Application Energy Saving Product	1,200 mm Tube, double-ended Yes				
Mechanical and Housing Product Length Bulb Shape Approval and Application Energy Saving Product Approval Marks	1,200 mm Tube, double-ended Yes RoHS compliance UL certificate				

Datasheet, 2023, December 6 data subject to change

Product Data				
Order product name	20T12 EM LED/48-4000 IF G 10/1			
Full product name	20T12 EM LED/48-4000 IF G 10/1			
Order code	929001226504			
Material Nr. (12NC)	929001226504			
Numerator - Quantity Per Pack	1			

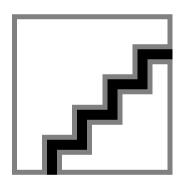
EAN/UPC - Product/Case	046677463113		
Numerator - Packs per outer box	10 50046677463118		
EAN/UPC - Case			

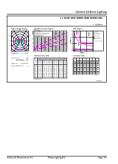
Dimensional drawing



Product	D1	D2	A1	A2	A3
20T12 EM LED/48-4000 IF G 10/1	26 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

Photometric data





Spectral Power Distribution Colour - 20T12 EM LED/48-4000 IF G 10/1

General uniform lighting - 20T12 EM LED/48-4000 IF G 10/1



Light Distribution Diagram - 20T12 EM LED/48-4000 IF G 10/1



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