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.
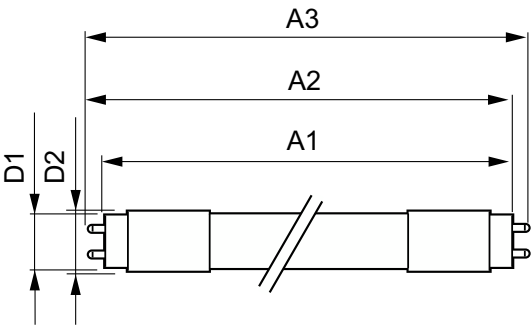
Product data

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

Dimmable	No

Mechanical and Housing

Product Length	1,200 mm
Bulb Shape	Tube, double-ended

Approval and Application

Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate
Energy Consumption kWh/1000 h	20 kWh

T12

Product Data

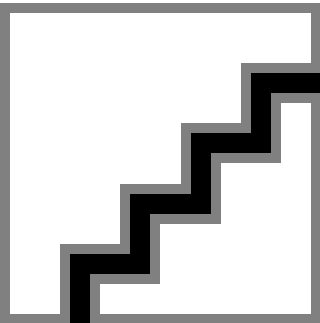|	
Order product name	20T12 EM LED/48-4000 IF G 10/1
Full product name	20T12 EM LED/48-4000 IF G 10/1
Order code	929001226504
Material Nr. (12NC)	929001226504
Numerator – Quantity Per Pack	1

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

Dimensional drawing

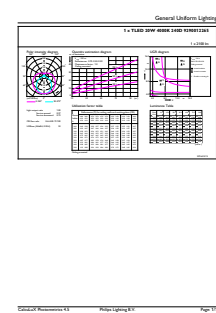| Product	D1	D2	A1	A2	A3
20T12 EM LED/48-4000 IF G 10/1	26 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

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

T12

www.lighting.philips.com

2023, December 6 – data subject to change