T8

35T8/96-4000 IF FA8 10/1

Our TLEDs are available in InstantFit (Type A / Type C) or MainsFit (Ballast bypass / Type B) versions. The InstantFit lamps work on a broad variety of ballasts and LED drivers. Only InstantFit has over 15,000 lamp & ballast combinations delivering even light output, energy savings and a long lifetime. Our MainsFit products feature a double-ended design, simplifying installation while a proprietary safety circuit minimizes a shock risk. Lamp sizes range from 2-foot to 8-foot and U-bend with a variety of lumen outputs.

Product data

General information

Cap-Base	FA8 [FA8]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	50000 h
Switching Cycle	50000
Tier	CorePro

Light technical

Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	180 °
Luminous Flux (Nom)	4200 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	120.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	82
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and electrical

Input Frequency	50000-64000 Hz

Power (Nom)	35 W
Lamp Current (Max)	260 mA
Lamp Current (Min)	160 mA
Wattage Equivalent	96 W
Warm Up Time to 60% Light (Nom)	0.5 s
UL Type	Type A - works on ballast
Power Factor (Nom)	0.9
Voltage (Nom)	280-410 V

Temperature

T-Ambient (Max)	45 ℃
T-Ambient (Min)	-20 ℃
T-Storage (Range)	-40 ℃ to 65 ℃
T-Storage (Max)	65 ℃
T-Storage (Min)	-40 ℃
T-Case Maximum (Nom)	45 ℃

Controls and dimming

Dimmable	No

T8

Mechanical and housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	2400 mm
Bulb Shape	Tube, double-ended

Approval and application

Energy Saving Product	Yes
Approval Marks	UL certificate
Energy Consumption kWh/1000 h	– kWh

Application conditions

Ambient temperature range	–20 °C to 45 °C

Product data

Order product name	35T8/96-4000 IF FA8 10/1
EAN/UPC – Product	046677472580
Order code	929001314604
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	10
Material Nr. (12NC)	929001314604
Net Weight (Piece)	0.540 kg

Dimensional drawing

Product	D	A1	A2	A3
35T8/96-4000 IF FA8 10/1	27.9 mm	2366.9 mm	2375.2 mm	2383.5 mm
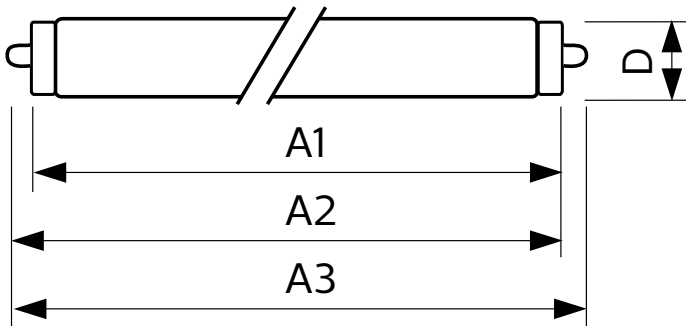
35T8/96-4000 IF FA8 10/1
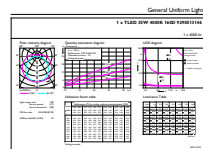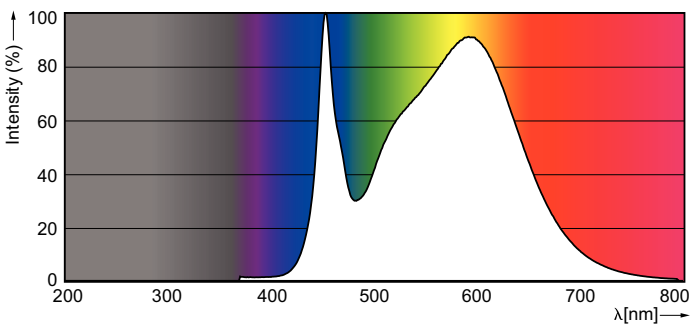
Photometric data

TLED Ess 35W FA8 840 4200lm T8

TLED Ess 35W FA8 840 4200lm T8

Photometric data

120° 180° 120°
90° 90°
50
60° 60°
100
150
200
250 γ
30° 30°
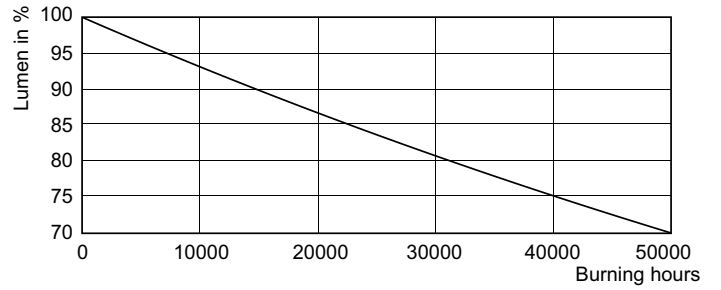300
(cd/1000lm) 0°
— 0-180° — 90-270°
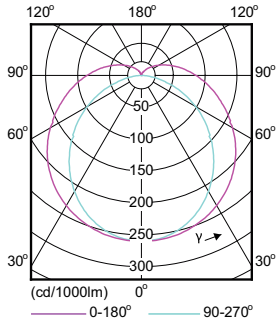
TLED Ess 35W FA8 840 4200lm T8

Lifetime

TLED Ess 35W FA8 T8 IF

TLED Ess 35W FA8 T8 IF

www.lighting.philips.com

2023, March 25 – data subject to change