



CorePro InstantFit T8 LEDs have been proven to work with 216 different ballasts, delivering even light output, proven energy savings and a long average lifetime.

Corepro InstantFit (UL Type-A) T8

The CorePro InstantFit LED lamps provide hassle-free installation with simple lamp-for-lamp replacements. They deliver what we promise, with at least 40% energy savings, flicker-free performance, and the life you would expect. Other lamps claim compatibility but only CorePro InstantFit (UL Type A) has been proven to work with over 200 ballasts and drivers, delivering even light output, with proven energy savings and a long average lifetime. End users will be delighted being under these comfortable and high quality CorePro InstantFit lamps with no visible flicker and optimized optics. Energy managers will enjoy these lamps too as they can count the savings delivered by our lamps. To enjoy more energy savings, the CorePro InstantFit lamps can be paired with the Advance TLED drivers to create a Type C system.

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Benefits

- Proven over 40% energy savings compared to traditional fluorescent lighting
- No visible flicker – All InstantFit lamps are below 1.0 (Refer to NEMA77, IEC 61547 & IEC 63158 standard for SVM (Stroboscopic Visibility Measure))
- Driver Usage – A variety of drivers enable optimizing the light output and wattage consumption for each application

Features

- Compatibility – Each lamp is compatible with several drivers.
- Lifetime delivered: Average life rating of 50,000 hours
- Available in 4-foot and 8-foot lengths with a variety of lumen outputs.
- Proven product history: Philips is a company with a long history of innovation and reliability in the lighting industry.
- Built-in surge and shock protection

Application

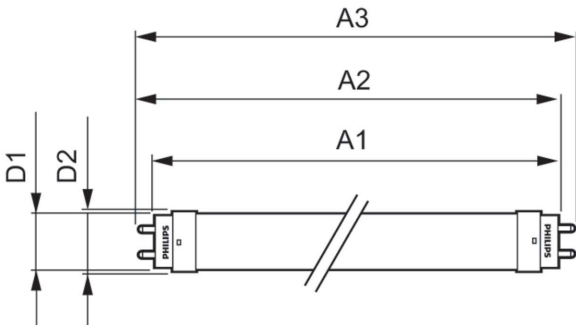
- Warehouses
- Schools
- Offices

Versions



LEDtube COR NAM7 28W FA8

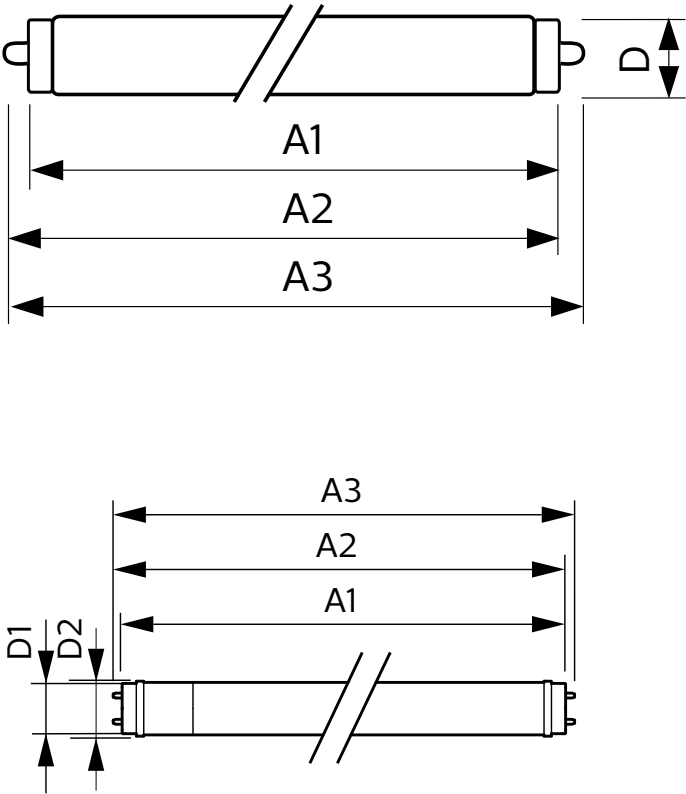
Dimensional drawing



Product	D1	D2	A1	A2	A3
14T8/COR/48-830/IF20/G/DIM 10/1	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
14T8/COR/48-835/IF20/G/DIM 10/1	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
14T8/COR/48-840/IF21/G/DIM 10/1	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
14T8/COR/48-850/IF21/G/DIM 10/1	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

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Dimensional drawing



Product	D1	D2	A1	A2	A3
28T8/COR/96-835/ IF40/G/FA8 10/1	25.5 mm	28 mm	2,366.9 mm	2,375.8 mm	2,384.7 mm
28T8/COR/96-840/ IF42/G/FA8 10/1	25.5 mm	28 mm	2,366.9 mm	2,375.8 mm	2,384.7 mm
28T8/COR/96-850/ IF42/G/FA8 10/1	25.5 mm	28 mm	2,366.9 mm	2,375.8 mm	2,384.7 mm
30T8/COR/96-835/ IF39/G/FA8 10/1	25.5 mm	28 mm	2,366.9 mm	2,375.8 mm	2,384.7 mm
35T8/96-3500 IF FA8 10/1	27.9 mm	2,366.9 mm	2,375.2 mm	2,383.5 mm	
35T8/96-4000 IF FA8 10/1	27.9 mm	2,366.9 mm	2,375.2 mm	2,383.5 mm	

Product	D1	D2	A1	A2	A3
10T8/COR/48-830/IF15/G/DIM 10/1	25.7 mm	28 mm	1,198.1 mm	1,205.2 mm	1,212.3 mm
10T8/COR/48-835/IF15/G/DIM 10/1	25.7 mm	28 mm	1,198.1 mm	1,205.2 mm	1,212.3 mm
10T8/COR/48-840/IF16/G/DIM 10/1	25.7 mm	28 mm	1,198.1 mm	1,205.2 mm	1,212.3 mm
10T8/COR/48-850/IF16/G/DIM 10/1	25.7 mm	28 mm	1,198.1 mm	1,205.2 mm	1,212.3 mm
11.5T8/COR/48-835/ IF20/G/DIM 25/1	25.7 mm	26.3 mm	1,198.1 mm	1,205.2 mm	1,212.3 mm
11.5T8/COR/48-840/ IF21/G/DIM 25/1	25.7 mm	26.3 mm	1,198.1 mm	1,205.2 mm	1,212.3 mm

General Information	
Switching Cycle	50,000
Light Technical	
LLMF At End Of Nominal Lifetime (Nom)	70 %
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T8

General Information

Order Code	Full Product Name	Cap-Base	Nominal lifetime
929001307804	35T8/96-3500 IF FA8 10/1	FA8	50,000 hour(s)
929001314604	35T8/96-4000 IF FA8 10/1	FA8	50,000 hour(s)
929001897204	30T8/COR/96-835/IF39/G/FA8 10/1	FA8	50,000 hour(s)
929001897434	28T8/COR/96-850/IF42/G/FA8 10/1	FA8	50,000 hour(s)
929001343034	14T8/COR/48-830/IF20/G/DIM 10/1	G13	70,000 hour(s)
929001343134	14T8/COR/48-835/IF20/G/DIM 10/1	G13	70,000 hour(s)
929001343234	14T8/COR/48-840/IF21/G/DIM 10/1	G13	70,000 hour(s)

Order Code	Full Product Name	Cap-Base	Nominal lifetime
929001343334	14T8/COR/48-850/IF21/G/DIM 10/1	G13	70,000 hour(s)
929001991734	10T8/COR/48-840/IF16/G/DIM 10/1	G13	70,000 hour(s)
929001991834	10T8/COR/48-850/IF16/G/DIM 10/1	G13	70,000 hour(s)
929002252734	10T8/COR/48-830/IF15/G/DIM 10/1	G13	70,000 hour(s)
929002252834	10T8/COR/48-835/IF15/G/DIM 10/1	G13	70,000 hour(s)
929003556504	11.5T8/COR/48-835/IF20/G/DIM 25/1	G13	50,000 hour(s)
929003556604	11.5T8/COR/48-840/IF21/G/DIM 25/1	G13	50,000 hour(s)

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Order Code	Full Product Name	Cap-Base	Nominal lifetime
929003556704	28T8/COR/96-835/IF40/G/FA8 10/1	FA8	50,000 hour(s)

Order Code	Full Product Name	Cap-Base	Nominal lifetime
929003556804	28T8/COR/96-840/IF42/G/FA8 10/1	FA8	50,000 hour(s)

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Color Code	Luminous Flux
929001307804	35T8/96-3500 IF FA8 10/1	180 degree(s)	3500 K	82	835	4,000 lm
929001314604	35T8/96-4000 IF FA8 10/1	180 degree(s)	4000 K	82	840	4,200 lm
929001897204	30T8/COR/96-835/IF39/G/FA8 10/1	240 degree(s)	3500 K	80	835	3,950 lm
929001897434	28T8/COR/96-850/IF42/G/FA8 10/1	240 degree(s)	5000 K	80	850	4,200 lm
929001343034	14T8/COR/48-830/IF20/G/DIM 10/1	240 degree(s)	3000 K	82	830	2,000 lm
929001343134	14T8/COR/48-835/IF20/G/DIM 10/1	240 degree(s)	3500 K	82	835	2,000 lm
929001343234	14T8/COR/48-840/IF21/G/DIM 10/1	240 degree(s)	4000 K	82	840	2,100 lm
929001343334	14T8/COR/48-850/IF21/G/DIM 10/1	240 degree(s)	5000 K	82	850	2,100 lm
929001991734	10T8/COR/48-840/IF16/G/DIM 10/1	240 degree(s)	4000 K	82	840	1,600 lm
929001991834	10T8/COR/48-850/IF16/G/DIM 10/1	240 degree(s)	5000 K	82	850	1,600 lm
929002252734	10T8/COR/48-830/IF15/G/DIM 10/1	240 degree(s)	3000 K	82	830	1,500 lm
929002252834	10T8/COR/48-835/IF15/G/DIM 10/1	240 degree(s)	3500 K	82	835	1,500 lm
929003556504	11.5T8/COR/48-835/IF20/G/DIM 25/1	240 degree(s)	3500 K	80	835	2,000 lm
929003556604	11.5T8/COR/48-840/IF21/G/DIM 25/1	240 degree(s)	4000 K	80	840	2,100 lm
929003556704	28T8/COR/96-835/IF40/G/FA8 10/1	240 degree(s)	3500 K	80	835	4,000 lm
929003556804	28T8/COR/96-840/IF42/G/FA8 10/1	240 degree(s)	4000 K	80	840	4,200 lm

Operating and Electrical

Order Code	Full Product Name	Input Frequency	Line Frequency	Power Consumption	Starting Time (Nom)	Wattage Equivalent
929001307804	35T8/96-3500 IF FA8 10/1	50000-64000 Hz	50000-64000 Hz	35 W	-	60 W
929001314604	35T8/96-4000 IF FA8 10/1	50000-64000 Hz	50000-64000 Hz	35 W	-	60 W
929001897204	30T8/COR/96-835/IF39/G/FA8 10/1	35000-150000 Hz	35000-150000 Hz	30 W	0.5 s	60 W
929001897434	28T8/COR/96-850/IF42/G/FA8 10/1	35K to 150K Hz	-	28 W	0.5 s	60 W
929001343034	14T8/COR/48-830/IF20/G/DIM 10/1	25000-105000 Hz	25000-105000 Hz	14 W	0.5 s	32 W
929001343134	14T8/COR/48-835/IF20/G/DIM 10/1	25000-105000 Hz	25000-105000 Hz	14 W	0.5 s	32 W
929001343234	14T8/COR/48-840/IF21/G/DIM 10/1	25000-105000 Hz	25000-105000 Hz	14 W	0.5 s	32 W
929001343334	14T8/COR/48-850/IF21/G/DIM 10/1	25000-105000 Hz	25000-105000 Hz	14 W	0.5 s	32 W
929001991734	10T8/COR/48-840/IF16/G/DIM 10/1	25000-105000 Hz	25000-105000 Hz	10 W	0.5 s	32 W
929001991834	10T8/COR/48-850/IF16/G/DIM 10/1	25000-105000 Hz	25000-105000 Hz	10 W	0.5 s	32 W
929002252734	10T8/COR/48-830/IF15/G/DIM 10/1	25000-105000 Hz	25000-105000 Hz	10 W	0.5 s	32 W
929002252834	10T8/COR/48-835/IF15/G/DIM 10/1	25000-105000 Hz	25000-105000 Hz	10 W	0.5 s	32 W
929003556504	11.5T8/COR/48-835/IF20/G/DIM 25/1	25K to 105K Hz	25K to 105K Hz	11.5 W	0.5 s	32 W
929003556604	11.5T8/COR/48-840/IF21/G/DIM 25/1	25K to 105K Hz	25K to 105K Hz	11.5 W	0.5 s	32 W
929003556704	28T8/COR/96-835/IF40/G/FA8 10/1	35K to 150K Hz	35K to 150K Hz	28 W	0.5 s	60 W
929003556804	28T8/COR/96-840/IF42/G/FA8 10/1	35K to 150K Hz	35K to 150K Hz	28 W	0.5 s	60 W

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001307804	35T8/96-3500 IF FA8 10/1	45 °C
929001314604	35T8/96-4000 IF FA8 10/1	45 °C
929001897204	30T8/COR/96-835/IF39/G/FA8 10/1	45 °C
929001897434	28T8/COR/96-850/IF42/G/FA8 10/1	45 °C
929001343034	14T8/COR/48-830/IF20/G/DIM 10/1	50 °C
929001343134	14T8/COR/48-835/IF20/G/DIM 10/1	50 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929001343234	14T8/COR/48-840/IF21/G/DIM 10/1	50 °C
929001343334	14T8/COR/48-850/IF21/G/DIM 10/1	50 °C
929001991734	10T8/COR/48-840/IF16/G/DIM 10/1	50 °C
929001991834	10T8/COR/48-850/IF16/G/DIM 10/1	50 °C
929002252734	10T8/COR/48-830/IF15/G/DIM 10/1	50 °C
929002252834	10T8/COR/48-835/IF15/G/DIM 10/1	50 °C

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Order Code	Full Product Name	T-Case Maximum (Nom)
929003556504	11.5T8/COR/48-835/IF20/G/DIM 25/1	40 °C
929003556604	11.5T8/COR/48-840/IF21/G/DIM 25/1	40 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929003556704	28T8/COR/96-835/IF40/G/FA8 10/1	45 °C
929003556804	28T8/COR/96-840/IF42/G/FA8 10/1	45 °C

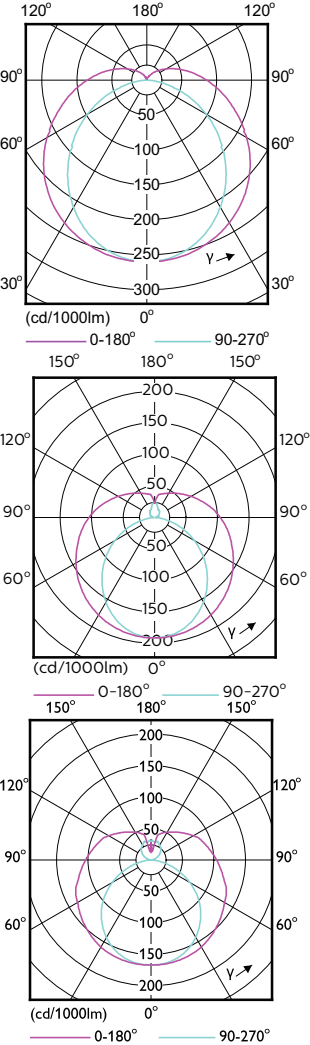
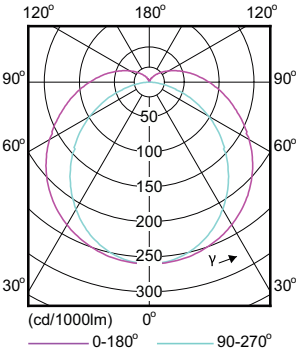
Controls and Dimming

Order Code	Full Product Name	Dimmable
929001307804	35T8/96-3500 IF FA8 10/1	No
929001314604	35T8/96-4000 IF FA8 10/1	No
929001897204	30T8/COR/96-835/IF39/G/FA8 10/1	No
929001897434	28T8/COR/96-850/IF42/G/FA8 10/1	No
929001343034	14T8/COR/48-830/IF20/G/DIM 10/1	Yes
929001343134	14T8/COR/48-835/IF20/G/DIM 10/1	Yes
929001343234	14T8/COR/48-840/IF21/G/DIM 10/1	Yes
929001343334	14T8/COR/48-850/IF21/G/DIM 10/1	Yes

Order Code	Full Product Name	Dimmable
929001991734	10T8/COR/48-840/IF16/G/DIM 10/1	Yes
929001991834	10T8/COR/48-850/IF16/G/DIM 10/1	Yes
929002252734	10T8/COR/48-830/IF15/G/DIM 10/1	Yes
929002252834	10T8/COR/48-835/IF15/G/DIM 10/1	Yes
929003556504	11.5T8/COR/48-835/IF20/G/DIM 25/1	No
929003556604	11.5T8/COR/48-840/IF21/G/DIM 25/1	No
929003556704	28T8/COR/96-835/IF40/G/FA8 10/1	No
929003556804	28T8/COR/96-840/IF42/G/FA8 10/1	No

Approval and Application

Order Code	Full Product Name	Ambient temperature range
929001307804	35T8/96-3500 IF FA8 10/1	-20 °C to 45 °C
929001314604	35T8/96-4000 IF FA8 10/1	-20 °C to 45 °C
929001897204	30T8/COR/96-835/IF39/G/FA8 10/1	-20 °C to 45 °C
929001897434	28T8/COR/96-850/IF42/G/FA8 10/1	-20 to +45 °C
929001343034	14T8/COR/48-830/IF20/G/DIM 10/1	-20 °C to 45 °C
929001343134	14T8/COR/48-835/IF20/G/DIM 10/1	-20 °C to 45 °C
929001343234	14T8/COR/48-840/IF21/G/DIM 10/1	-20 °C to 45 °C
929001343334	14T8/COR/48-850/IF21/G/DIM 10/1	-20 °C to 45 °C
929001991734	10T8/COR/48-840/IF16/G/DIM 10/1	-20 °C to 45 °C
929001991834	10T8/COR/48-850/IF16/G/DIM 10/1	-20 °C to 45 °C
929002252734	10T8/COR/48-830/IF15/G/DIM 10/1	-20 °C to 45 °C
929002252834	10T8/COR/48-835/IF15/G/DIM 10/1	-20 °C to 45 °C
929003556504	11.5T8/COR/48-835/IF20/G/DIM 25/1	-20 °C to 45 °C
929003556604	11.5T8/COR/48-840/IF21/G/DIM 25/1	-20 °C to 45 °C
929003556704	28T8/COR/96-835/IF40/G/FA8 10/1	-20 °C to 45 °C
929003556804	28T8/COR/96-840/IF42/G/FA8 10/1	-20 °C to 45 °C



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