



PHILIPS

LED Lamps

MainsFit LED T8
(Ballast Bypass/UL Type B)

**REAL
PROs**
**REAL
QUALITY**

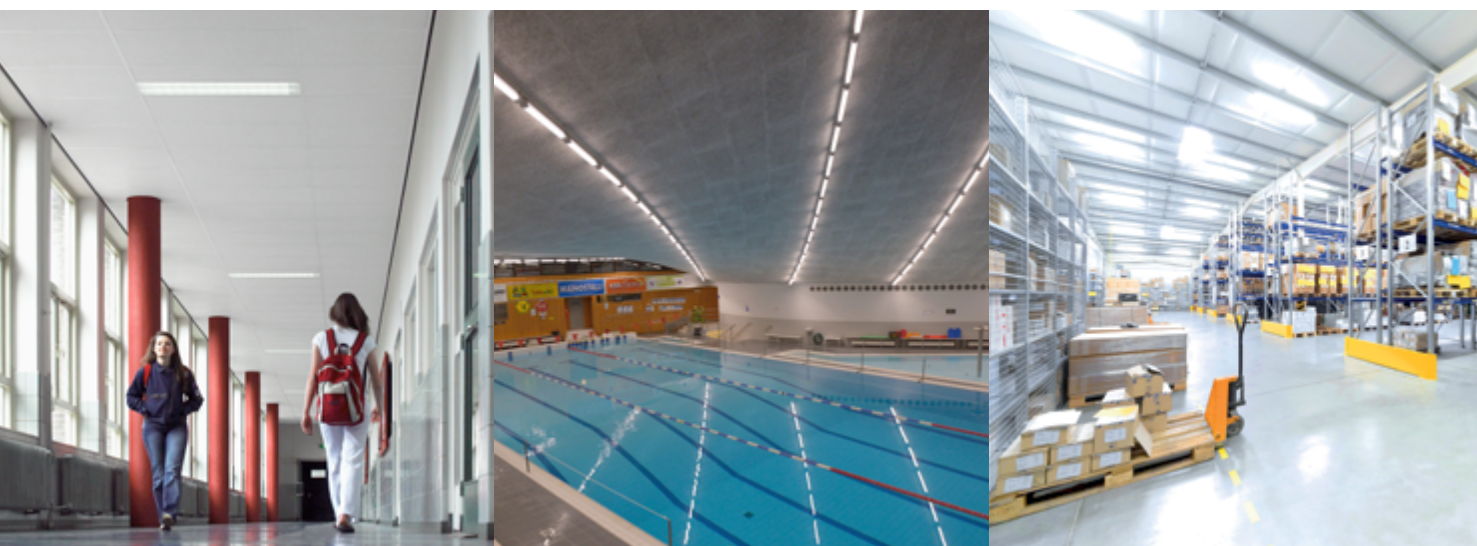
Simple retrofit solutions with **spectacular energy savings**

Philips offers a comprehensive retrofit MainsFit (Ballast Bypass/UL Type B) portfolio enabling hassle free installation for all of your linear applications.

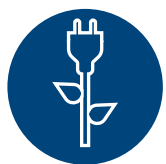
Philips MainsFit LED T8 lamps

Provide the perfect light for every space.

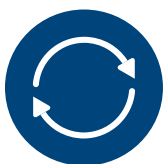
Philips MainsFit (UL Type B) Linear LED T8 lamps — Delivering solutions that matter in linear LED applications. Philips MainsFit (UL Type B) LED T8 lamps deliver long lifetime, low flicker, reliability and performance. Enhance your space with energy savings, longer life¹, excellent lumen and color maintenance, instant on and built-in surge protection.



Powerful reasons to switch from linear fluorescent to LED



Energy savings²
up to 69%



Simple installation
All MainsFit LED
lamps feature a
double-ended design



Reliable lifetime³
up to 70,000 hours



Durable
Available shatter-
resistant plastic



MainsFit Max⁴
Meets UL pin leakage
standards + unlimited
installation

1. As compared to linear fluorescent

2. Compared to a 32W linear fluorescent T8 lamp, the 9.9W TLED saves 69% ((32W-9.9W)/32W = 69%)

3. LED lifetime means the length of time (in hours) until half of the LED light sources maintain at least 70% of their initial lumen output (B50, L70)

4. MainsFit TLEDs exceed UL pin leakage requirements of <5 M.I.U.

Start saving immediately with a switch to Philips MainsFit LED T8 lamps

- **MainsFit Max technology** – unlimited installation while exceeding UL pin-leakage requirements¹
- **Hassle-free installation** – double-ended design works with both shunted and unshunted sockets
- **Shatter prevention** – available polycarbonate tube provides superior performance versus coated glass
- **No visible flicker⁴** – deliver a comfortable lighting environment

MainsFit MasterClass LED T8 replacement lamps

Long life, shatter-resistant lighting

- MainsFit (UL Type B) LED T8 lamps are ideally suited to food service, healthcare and industrial applications
- Plastic tube prevents shatter better than coated glass
- 70,000 hr² rated life and a 7-year limited warranty³ are standard
- Color consistency throughout life

NEW!



MainsFit CorePro LED T8 replacement lamps

Energy efficient, affordable lighting
for many applications

- Industry leading 9.9W DLC listed LED tube
- Glass tube with >320 degree illumination angle
- Variety – available in 2ft, 3ft, 4ft, 8ft, 6" U-Bend and T5 HO
- Choose the light level and energy savings that suits your needs
- Versatility you need backed by Philips quality standards

NEW!



Common MainsFit features

Thoughtfully designed to simplify
your relamping needs

- All MainsFit LED tube are double-ended for easy installation
- Internal surge protection – no need for an external device
- MainsFit Max technology – patented design prevents shock while enabling >200 lamps on a single 20A circuit
- Emergency capable when used with Bodine ELI-S-20 or ELI-S-100 emergency drivers
- All MainsFit LED tubes are NSF class 2 certified and cULus classified



1. MainsFit TLEDs exceed UL pin leakage requirements of <5 M.I.U.

2. LED lifetime means the length of time (in hours) until half of the LED light sources maintain at least 70% of their initial lumen output (B50, L70)

3. For more information on Philips' limited warranty please visit www.philips.com/warranties.

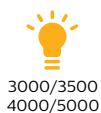
4. Tested per IEEE 1789-2015. $P_{af}^{LM} < 1.0$ is considered negligible

MainsFit (UL Type B) MasterClass LED T8 lamps

Save energy and provide the perfect light.

Distribute light exactly where it is needed. Introducing Philips MainsFit (UL Type B) MasterClass LED tubes with industry leading reliability, shatter-prevention and lifetime. The UL Type B LED tubes are designed with easy installation and long-term maintenance simplicity in mind. Upgrade your lighting to MasterClass and realize 70,000 hour LED lifetime⁴ backed by a 7-year, full replacement limited warranty⁵.

Key features



3000/3500
4000/5000



Shatter prevention
plastic tube



70,000 H⁴



Low energy



No sagging

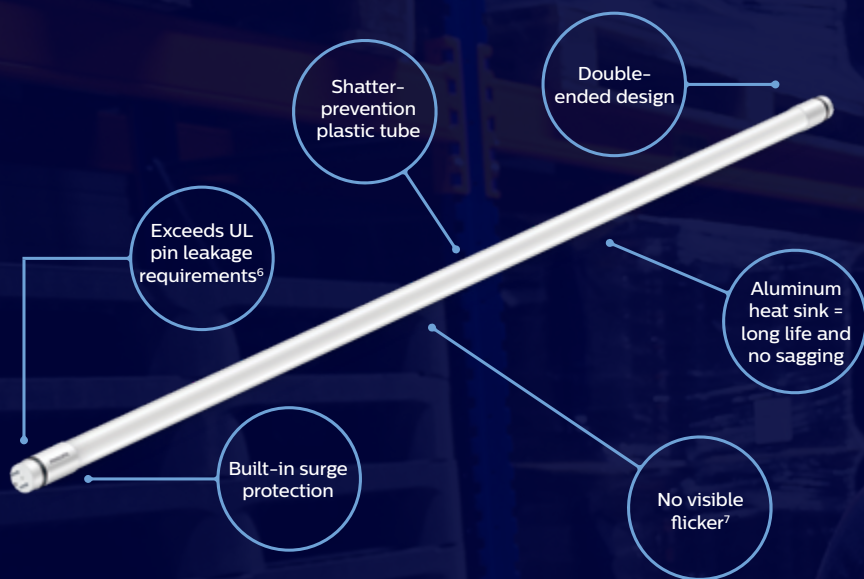


MainsFit Max
technology



Design highlights

NEW!



Calculate energy savings

32W linear
fluorescent

MainsFit MasterClass
LED T8 lamp 10.5W



67%¹

32W



10.5W

\$946¹

Energy savings / year

¹ Energy savings are based on the comparison of system power consumption = 32W, vs system consumption based on MainsFit (UL Type B) MasterClass LED T8 lamp 10.5W.

² Energy use. Based on burning 4,000 hours per year.

³ Energy price. Based on the U.S. average of \$0.11/kWh (actual rates may vary).

⁴ Tested to B50 L70 requirement. LED lifetime means the length of time (in hours) until half of the LED light sources maintain at least 70% of their initial lumen output (B50, L70).

⁵ For more information on Philips' limited warranty please visit www.philips.com/warranties.

⁶ MainsFit TLEDs exceed UL pin leakage requirements of <5 M.I.U.

⁷ Tested per IEEE 1789-2015. $P_{st}^{LM} < 1.0$ is considered negligible

Number of lamps	100
Burning hours per year	4000 Hrs ²
Energy costs	\$0.11/kWh ³

MainsFit (UL Type B) CorePro LED T8 lamps

Fantastic lighting, incredible value

Philips MainsFit (UL Type B) CorePro LED T8 lamps provide a solution for most LED tube applications with a focus on efficacy and value. The workhorse of the MainsFit family delivers maximum energy savings and is DLC certified maximizing energy savings and rebate opportunities. The perfect lamp for ESCOs and contractors alike.

Key features


3000/3500
4000/5000


50,000 H⁴


Low energy


No sagging


MainsFit Max
technology

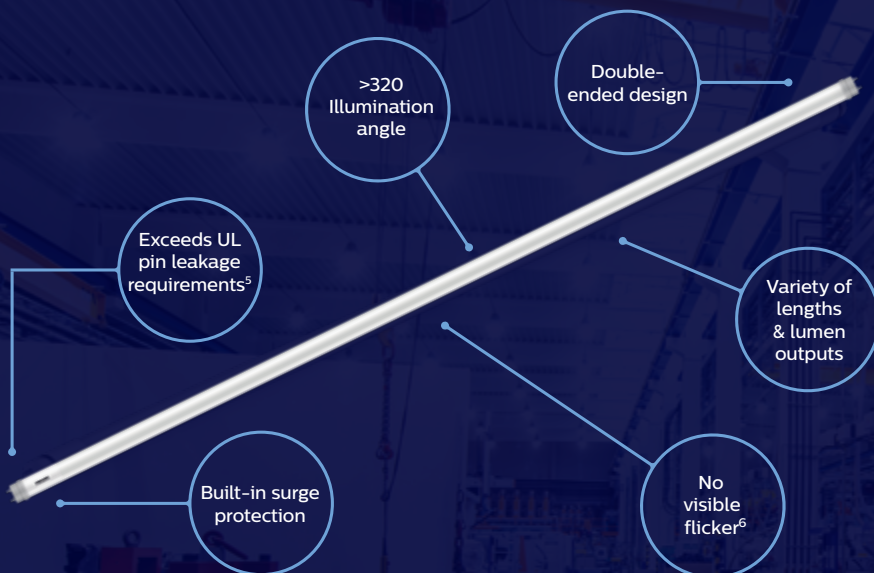

RoHS
COMPLIANT


NSF


DLC


UL

Design highlights



Calculate energy savings

32W linear
fluorescent

MainsFit CorePro
LED T8 lamp 9.9W



69%¹

32W



9.9W

\$972¹

Energy savings / year

¹ Energy savings are based on the comparison of lamp power consumption = 32W, vs. lamp consumption based on MainsFit CorePro 9.9W.

² Energy use. Based on burning 4,000 hours per year.

³ Energy price. Based on the U.S. average of \$0.11/kWh (actual rates may vary).

⁴ LED lifetime means the length of time (in hours) until half of the LED light sources maintain at least 70% of their initial lumen output (B50, L70)

⁵ MainsFit TLEDs exceed UL pin leakage requirements of <5 M.I.U.

⁶ Tested per IEEE 1789-2015. P_{st}^{LM} <1.0 is considered negligible

Number of lamps	100
Burning hours per year	4000 Hrs ²
Energy costs	\$0.11/kWh ³

LED T8 lamp types

A lamp to fit each need

TYPE

WHY USE VS OTHER TLED TYPES

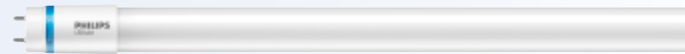
FEATURES

Type A InstantFit



Fastest ROI versus other TLED types
Plug-and-play

- Philips leads the industry with over 15,000 compatible lamp+ballast combinations
- Available in both plastic and glass tubes. Dimmable versions available
- Many Philips Type A lamps double as Type C lamps



Type A UniversalFit



Works regardless of the ballast type

- Philips UniversalFit lamp operates on both magnetic and electronic ballasts
- UniversalFit LED tubes exceed UL pin leakage requirements¹
- Philips lamp delivers energy savings and extended life in both configurations compared to linear fluorescent

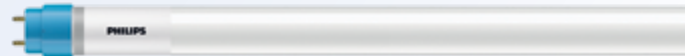


Hybrid A+B FlexFit



Installation flexibility – plug-and-play or re-wire

- One lamp for either type A or Type B installation
- Philips FlexFit is a double-ended Type B

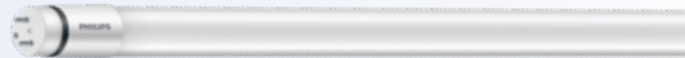


Type B MainsFit



Long term simplicity

- All Philips MainsFit (UL Type B) lamps are double-ended for simple installation
- High light quality standards minimizes flicker and glare
- Built-in surge protection

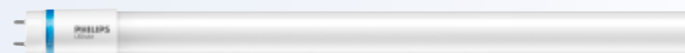


Type C InstantFit



Most efficient solution
Rebate driven

- Prevents “Snap-back” of conventional lamps and enables rebates
- A variety of drivers vary the light output and wattage consumption for each lamp
- Philips Type A lamps double as our Type C lamps



¹ MainsFit TLEDs exceed UL pin leakage requirements of <5 M.I.U.

Ordering information

MainsFit Plastic LED T8 lamp - 4FT

	Model #	6NC	Product Description	Wattage	Lumens	CCT (K)	DLC ID
NEW!	9290023251	557355	10.5T8/MAS/48-835/MF16/P 10/1	10.5	1600	3500	P7ADB1B8
NEW!	9290023252	557363	10.5T8/MAS/48-840/MF16/P 10/1	10.5	1650	4000	PAWQXZLG
NEW!	9290023253	557371	10.5T8/MAS/48-850/MF16/P 10/1	10.5	1650	5000	PNSQUHUR
NEW!	9290023254	557389	14.5T8/MAS/48-830/MF20/P 10/1	14.5	2000	3000	PKC3F284
NEW!	9290023255	557397	14.5T8/MAS/48-835/MF20/P 10/1	14.5	2000	3500	PVMNRRGB
NEW!	9290023256	557405	14.5T8/MAS/48-840/MF21/P 10/1	14.5	2100	4000	PHHILPJB
NEW!	9290023257	557413	14.5T8/MAS/48-850/MF21/P 10/1	14.5	2100	5000	P7NU9OQ8

MainsFit Glass LED T8 lamp - 4FT

	Model #	6NC	Product Description	Wattage	Lumens	CCT (K)	DLC ID
	9290018768A	532671	12T8/MAS/48-830/MF17/G 10/1	12.0	1700	3000	PVAFJMMI
	9290018769A	532689	12T8/MAS/48-835/MF17/G 10/1	12.0	1700	3500	PHSBLUQN
	9290018770A	532697	12T8/MAS/48-840/MF18/G 10/1	12.0	1800	4000	P7JFBFBB
	9290018771A	532705	12T8/MAS/48-850/MF18/G 10/1	12.0	1800	5000	PF12AWS2
NEW!	9290023259	557421	9.9T8/COR/48-835/MF16/G 10/1	9.9	1600	3500	P87LFQLH
NEW!	9290023260	557439	9.9T8/COR/48-840/MF16/G 10/1	9.9	1650	4000	PVODK2CO
NEW!	9290023261	557447	9.9T8/COR/48-850/MF16/G 10/1	9.9	1650	5000	P6QUAM20
	9290018454A	477315	14T8/COR/48-830/MF17/G 10/1	14.0	1700	3000	PZL49NSO
	9290018455A	477323	14T8/COR/48-835/MF17/G 10/1	14.0	1700	3500	PYPJ8SI1
	9290018456A	477331	14T8/COR/48-840/MF18/G 10/1	14.0	1800	4000	P2OJ2JLX
	9290018457A	477349	14T8/COR/48-850/MF18/G 10/1	14.0	1800	5000	PZF69ARG
	9290013631B	471748	16.5T8/COR/48-830/MF20/G 10/1	16.5	2000	3000	P18550TJ
	9290013632B	471755	16.5T8/COR/48-835/MF20/G 10/1	16.5	2000	3500	P1NPKY18
	9290013633B	471763	16.5T8/COR/48-840/MF21/G 10/1	16.5	2100	4000	PIAI8464
	9290013634B	471771	16.5T8/COR/48-850/MF21/G 10/1	16.5	2100	5000	P3PZIXIH

MainsFit Glass LED T8 lamp - Other

	Model #	6NC	Product Description	Wattage	Lumens	CCT (K)	DLC ID
	9290020140	545269	34T8/COR/96-840/MF42/G/FA8 10/1	34.0	4200	4000	P2RHO524
	9290020141	545277	34T8/COR/96-850/MF42/G/FA8 10/1	34.0	4200	5000	PE2GMBO6
	9290020142	545285	44T8HO/COR/96-840/MF54/G/R17d 10/1	44.0	5400	4000	No Category
	9290020143	545293	44T8HO/COR/96-850/MF54/G/R17d 10/1	44.0	5400	5000	No Category
	9290019338	535450	8.5T8/COR/24-830/MF11/G 10/1	8.5	1100	3000	PSB5JDM7
	9290019339	535468	8.5T8/COR/24-835/MF11/G 10/1	8.5	1100	3500	PKG7DURA
	9290019340	535476	8.5T8/COR/24-840/MF11/G 10/1	8.5	1150	4000	PRGU80IY
	9290019341	535484	8.5T8/COR/24-850/MF11/G 10/1	8.5	1150	5000	PEQHT1DN
	9290019342	535492	11.5T8/COR/36-830/MF13/G 10/1	11.5	1300	3000	PEKX8MHK
	9290019343	535500	11.5T8/COR/36-835/MF13/G 10/1	11.5	1300	3500	P51PGWYW
	9290019344	535518	11.5T8/COR/36-840/MF14/G 10/1	11.5	1400	4000	PDESZ0HQ
	9290019345	535526	11.5T8/COR/36-850/MF14/G 10/1	11.5	1400	5000	P6A2TN9L
	9290019346	535534	15.5T8-6U/COR/24-830/MF20/G 10/1	15.5	2000	3000	PAL67OJK
	9290019347	535542	15.5T8-6U/COR/24-835/MF20/G 10/1	15.5	2000	3500	PVKJRY18
	9290019348	535559	15.5T8-6U/COR/24-840/MF21/G 10/1	15.5	2100	4000	PUAR19X3
	9290019349	535567	15.5T8-6U/COR/24-850/MF21/G 10/1	15.5	2100	5000	PMKCEPRN

MainsFit T5 HO

	Model #	6NC	Product Description	Wattage	Lumens	CCT (K)	DLC ID
	9290019925	542050	25T5HO/COR/46-835/MF33/G 25/1	25.0	3300	3500	P9GYNK8G
	9290019926	542068	25T5HO/COR/46-840/MF35/G 25/1	25.0	3500	4000	PBQ7UFSX
	9290019927	542076	25T5HO/COR/46-850/MF35/G 25/1	25.0	3500	5000	PHK6IM4L



