



PHILIPS

LED lamps

MainsFit LED T8
and FlexFit LED T8

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

Simple retrofit solutions with **spectacular energy savings**

Comprehensive retrofit MainsFit (Ballast Bypass/UL Type B) and FlexFit (Hybrid UL Type A+B) portfolios enabling hassle-free installation for all of your linear application needs

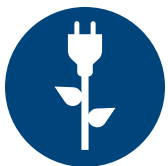
Philips MainsFit (Type B) LED T8 lamps

Philips MainsFit lamps provide the perfect light for every space

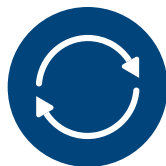
Philips MainsFit (UL Type B) Linear LED T8 lamps — delivering solutions that matter in linear LED applications. Philips MainsFit (UL Type B) LED T8 lamps deliver long lifetime, low flicker, reliability and performance. Enhance your space with energy savings, longer life (compared to linear fluorescent),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



Powerful reasons to switch from linear fluorescent to LED



Energy savings¹
up to 69%



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



Reliable lifetime²
up to 70.000 hours



Durable
Available shatter-resistant plastic



MainsFit Max³
Meets UL pin leakage standards + unlimited installation

1. Compared to a 32W linear fluorescent T8 lamp, the 9.9W TLED saves 69% ((32W-9.9W)/32W = 69%).
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. 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 flicker** – deliver a comfortable lighting environment²

MainsFit (UL Type B) MasterClass T8 plastic 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 hr³ rated life and standard 7-year limited warranty⁴
- Color consistency throughout life



MainsFit (UL Type B) CorePro T8 glass replacement lamps

Energy efficient, affordable lighting

- Low wattage 9.9W DLC listed LED tube
- Glass tube with >320° illumination angle
- Available in variety of lengths 2', 3', 4', 8', 6" U-Bend & T5 HO
- Choose the light level and energy savings that suit your needs



FlexFit (UL Type A+B) T8 replacement lamps

Flexible use, hybrid lighting

- One lamp for two applications, works as either a plug-and-play (UL Type A) or ballast bypass (UL Type B) lamp
- Glass tube with >320° illumination angle
- 50,000 hr³ rated life and standard 5-year limited warranty⁴
- Color consistency throughout life



Common features

MainsFit & FlexFit T8 replacement lamps

Thoughtfully designed to simplify your relamping needs

- Double-ended for easy install
- Internal surge protection with no need for an external device
- DLC⁵ listed, NSF class 2 listed and cULus certified
- Philips emergency drivers⁶ provide emergency capability
- Versatility you need backed by Philips quality standards



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

2. Tested per IEEE 1789-2015. PstLM <1.0 is negligible and all MainsFit products meet this requirement.

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

5. No DLC category exists for an 8ft TLED with R17d base. All other lamps are DLC listed. See DLC QPL for full details (www.designlights.org).

6. Visit www.philips.com/mainsfit for more details.

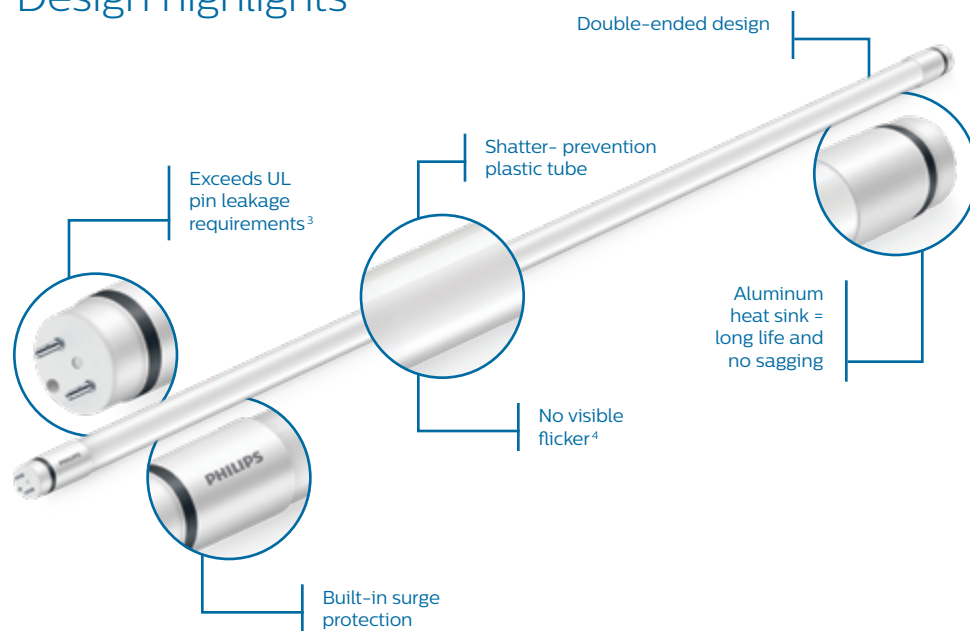


MainsFit (UL Type B) MasterClass T8 lamps

Save energy and provide the perfect light

Distribute light exactly where it is needed with MainsFit (UL Type B) MasterClass LED T8 lamps featuring 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 lifetime¹ backed by a 7-year, full replacement limited warranty².

1 Design highlights



Key features

- Low Energy
- 3000, 3500, 4000, & 5000K
- MainsFit Max technology
- 70,000 hrs¹
- Shatter prevention plastic tube
- No sagging
- DLC
- RoHS COMPLIANT
- UL US
- NSF

67%⁵ Energy savings

32W 32w Linear fluorescent

10.5W MainsFit LED lamp 10.5w MasterClass T8

\$946⁵ Energy savings per year

Calculate energy savings⁵

This example shows an application of 100 lamps accenting a space, operating 4,000 hours. Your actual savings may vary depending on the energy costs in your geographic location.

Number of lamps	100
Burning hours per year	4,000 hrs ⁶
Energy costs	\$0.11/kWh ⁷

1. 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).
 2. For more information on Philips' limited warranty please visit www.philips.com/warranties.
 3. MainsFit TLEDs exceed UL pin leakage requirements of <5 M.I.U.
 4. Tested per IEEE 1789-2015. PstLM <1.0 is negligible and all MainsFit products meet this requirement.
 5. 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.
 6. Energy use. Based on burning 4,000 hours per year.
 7. Energy price. Based on the U.S. average of \$0.11/kWh (actual rates may vary).

MainsFit (UL Type B) CorePro T8 lamps

Fantastic lighting, incredible value

The perfect lamp for ESCOs and contractors alike, 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 significant energy savings and is DLC certified maximizing energy savings and rebate opportunities.

2 Design highlights



Key features



Low Energy



3000, 3500, 4000, & 5000K



MainsFit Max technology



50,000 hrs¹



No sagging



DLC



RoHS COMPLIANT



UL US



NSF



69%⁴
Energy savings

32W

32w
Linear fluorescent

9.9W

MainsFit LED lamp
9.9w
CorePro T8

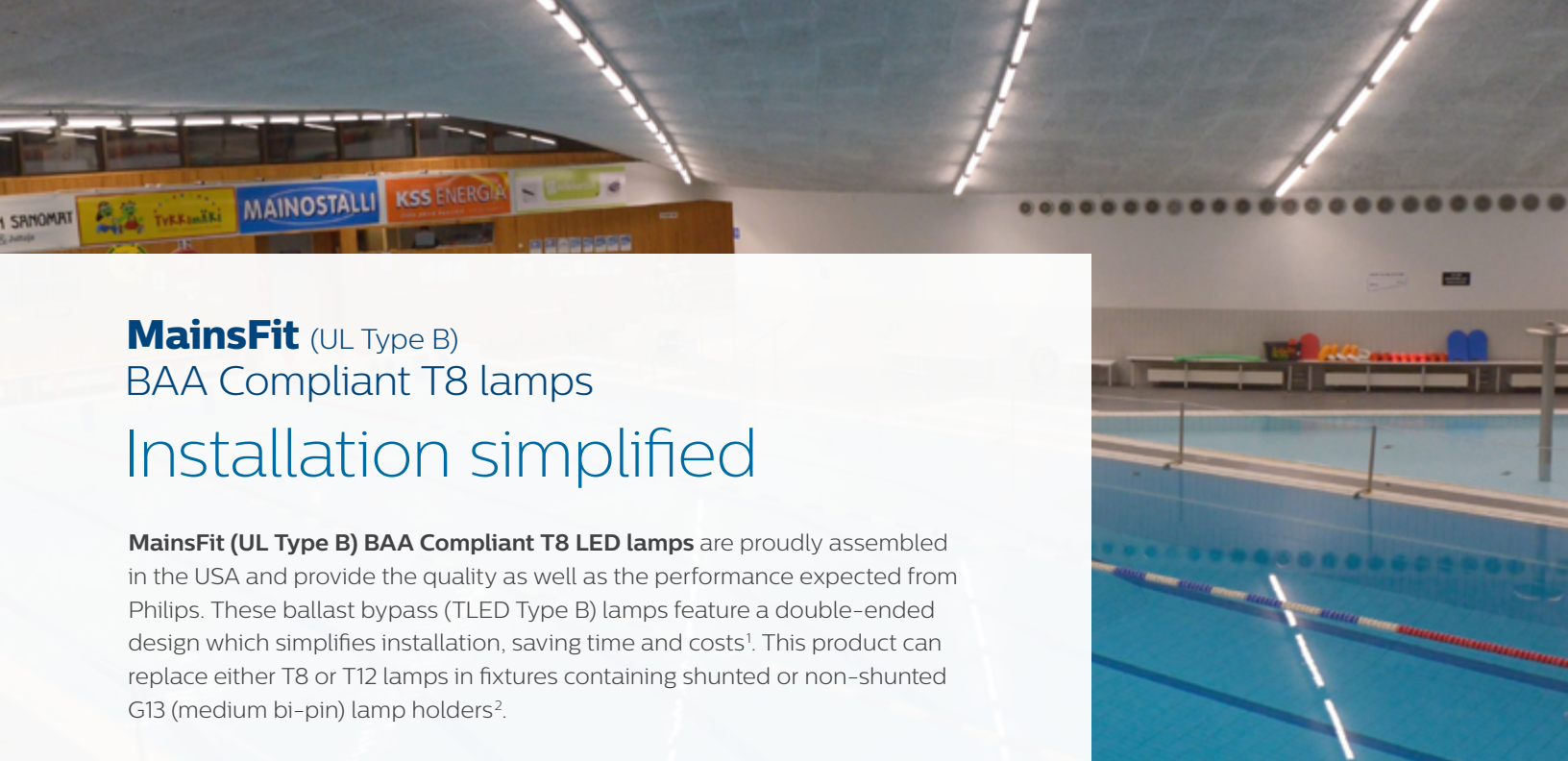
\$972⁴
Energy savings per year

Calculate energy savings⁴

This example shows an application of 100 lamps accenting a space, operating 4,000 hours. Your actual savings may vary depending on the energy costs in your geographic location.

Number of lamps	100
Burning hours per year	4,000 hrs ⁵
Energy costs	\$0.11/kWh ⁶

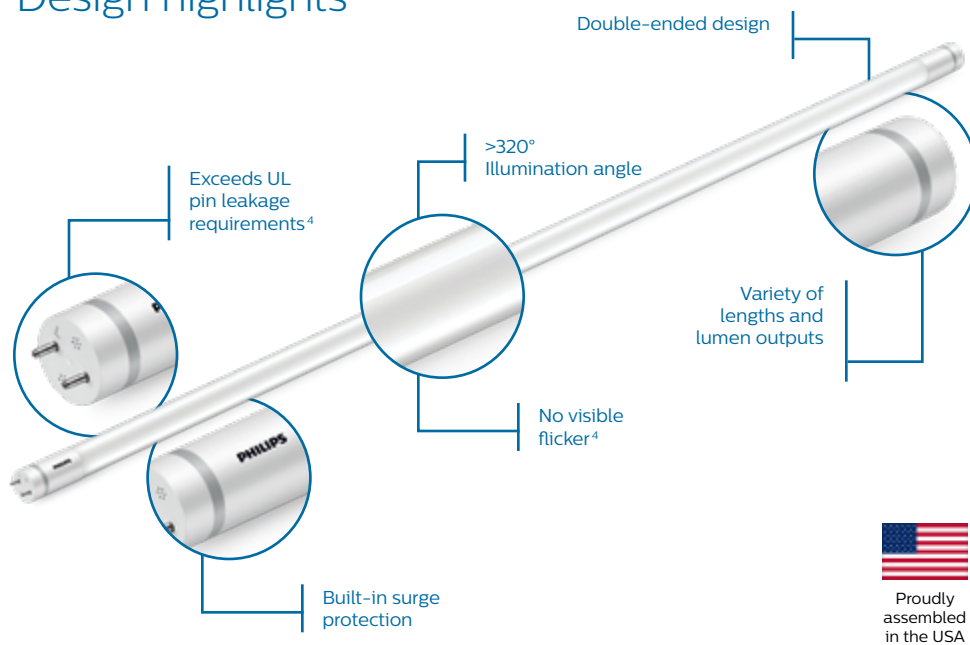
- LED lifetime means the length of time (in hours) until half of the LED light sources maintain at least 70% of their initial lumen output (B50, L70).
- MainsFit TLEDs exceed UL pin leakage requirements of <5 M.I.U.
- Tested per IEEE 1789-2015. PstLM <1.0 is negligible.
- Energy savings are based on the comparison of lamp power consumption = 32W, vs. lamp consumption based on MainsFit CorePro 9.9W.
- Energy use. Based on burning 4,000 hours per year.
- Energy price. Based on the U.S. average of \$0.11/kWh (actual rates may vary).



MainsFit (UL Type B) BAA Compliant T8 lamps Installation simplified

MainsFit (UL Type B) BAA Compliant T8 LED lamps are proudly assembled in the USA and provide the quality as well as the performance expected from Philips. These ballast bypass (TLED Type B) lamps feature a double-ended design which simplifies installation, saving time and costs¹. This product can replace either T8 or T12 lamps in fixtures containing shunted or non-shunted G13 (medium bi-pin) lamp holders².

3 Design highlights



Key features



Low Energy



3500, 4000, & 5000K



MainsFit Max technology



50,000 hrs³



Assembled in the USA



66%¹
Energy savings

32W

32w
Linear fluorescent

11W

MainsFit LED lamp
11w
UL Type B T8

\$924¹
Energy savings per year

Calculate energy savings¹

This example shows an application of 100 lamps accenting a space, operating 4,000 hours. Your actual savings may vary depending on the energy costs in your geographic location.

Number of lamps	100
Burning hours per year	4,000 hrs ⁵
Energy costs	\$0.11/kWh ⁶

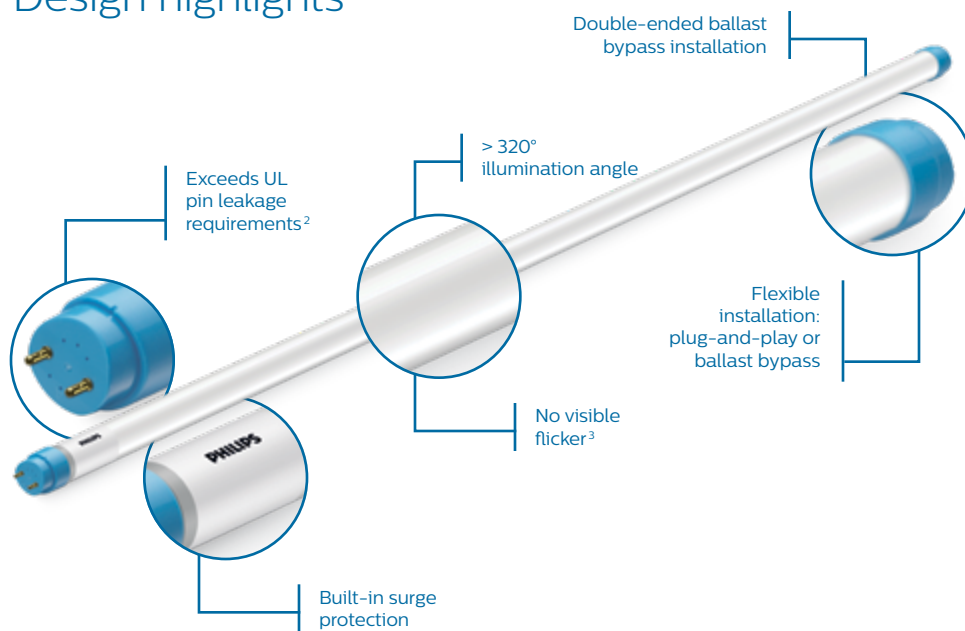
- Energy savings are based on the comparison of lamp power consumption = 32W, vs. lamp consumption based on MainsFit (Type B) CorePro 12.5W.
- For proper operation, you need to shunt any unshunted sockets. Please see installation guide for details.
- LED lifetime means the length of time (in hours) until half of the LED light sources maintain at least 70% of their initial lumen output (B50, L70).
- Tested per IEEE 1789-2015. SVM <1.0 is negligible. These exceed UL pin leakage requirements of <5 M.I.U.
- Energy use. Based on burning 4,000 hours per year.
- Energy price. Based on the U.S. average of \$0.11/kWh (actual rates may vary).

FlexFit (Hybrid UL Type A+B) T8 lamps

Flexible installation, incredible value

The lamp works as either a **plug-and-play (UL Type A) or ballast bypass (UL Type B) lamp**, FlexFit (Dual-mode) T8 LED lamps provide the flexibility to fit your lighting application needs. As a Type A lamp it is compatible with a variety of ballasts, however, if a ballast is not desired the lamp can quickly be installed as a double-ended ballast bypass lamp.

4 Design highlights



Key features



Low Energy



3000, 3500, 4000, & 5000K



MainsFit Max technology



50,000 hrs¹



Flexible Installation



61%⁴
Energy savings

32W

32w
Linear fluorescent

9.9W

FlexFit LED lamp
12.5w
Hybrid T8

\$858⁴
Energy savings per year

Calculate energy savings⁴

This example shows an application of 100 lamps accenting a space, operating 4,000 hours. Your actual savings may vary depending on the energy costs in your geographic location.

Number of lamps	100
Burning hours per year	4,000 hrs ⁵
Energy costs	\$0.11/kWh ⁶

- 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).
- FlexFit TLEDs exceed UL pin leakage requirements of <5 M.I.U.
- Tested per IEEE 1789-2015. SVM <1.0 is negligible.
- Energy savings are based on the comparison of lamp power consumption = 32W, vs. lamp consumption based on FlexFit CorePro 12.5W.
- Energy use. Based on burning 4,000 hours per year.
- Energy price. Based on the U.S. average of \$0.11/kWh (actual rates may vary).

T8 lamps

A lamp to fit each need

T8 lamp type

Why use vs other T-LED types

T8 lamp features

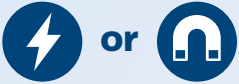
Type A InstantFit



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 (dimnable versions available)
- Most Philips Type A lamps double as Type C lamps.

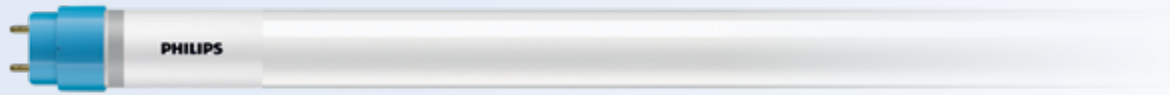
Type A UniversalFit



Works regardless of the ballast type

- Philips lamp delivers energy savings and extended life in both configurations compared to linear fluorescent
- Operates on both T12 magnetic and T8 or T12 electronic ballasts
- UniversalFit LED tubes exceed UL pin leakage requirements¹

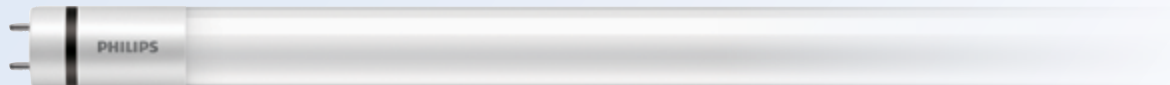
Hybrid A+B FlexFit



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

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

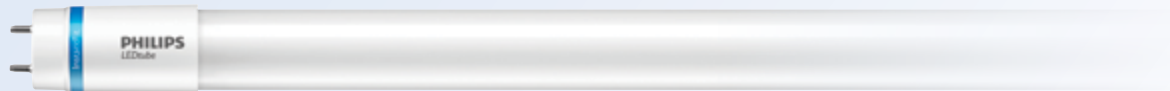
Type B MainsFit



Long term simplicity

- 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

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

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



Ordering information



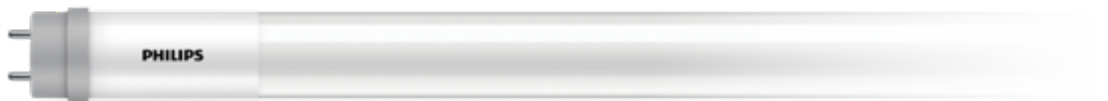
MainsFit Plastic LED T8 lamp - 4FT

Model #	6NC	Product Description	UPC	Watts	Lumens	CCT (K)	DLC ID
929002325104	557355	10.5T8/MAS/48-835/MF16/P 10/1	046677557355	10.5	1600	3500	P7ADB1B8
929002325204	557363	10.5T8/MAS/48-840/MF16/P 10/1	046677557362	10.5	1650	4000	PAWQXZLG
929002325304	557371	10.5T8/MAS/48-850/MF16/P 10/1	046677557379	10.5	1650	5000	PNSQUHUR
929002325404	557389	14.5T8/MAS/48-830/MF20/P 10/1	046677557386	14.5	2000	3000	PKC3F284
929002325504	557397	14.5T8/MAS/48-835/MF20/P 10/1	046677557393	14.5	2000	3500	PVMNRRGB
929002325604	557405	14.5T8/MAS/48-840/MF21/P 10/1	046677557409	14.5	2100	4000	PHHILPJB
929002325704	557413	14.5T8/MAS/48-850/MF21/P 10/1	046677557416	14.5	2100	5000	P7NU9OQ8
929002439504	561712	16.9T8/MAS/48-840/MF25/P 10/1	046677561710	16.9	2500	3500	PCEV8V0
929002442404	561720	16.9T8/MAS/48-835/MF25/P 10/1	046677561727	16.9	2500	4000	PCQY4G1R
929002442504	561738	16.9T8/MAS/48-850/MF25/P 10/1	046677561734	16.9	2500	5000	PF18Z6UF



MainsFit Glass LED T8 lamp - 4FT

Model #	6NC	Product Description	UPC	Watts	Lumens	CCT (K)	DLC ID
929002325904	557421	9.9T8/COR/48-835/MF16/G 10/1	046677557423	9.9	1600	3500	P87LFQLH
929002326004	557439	9.9T8/COR/48-840/MF16/G 10/1	046677557430	9.9	1650	4000	PVODK2CO
929002326104	557447	9.9T8/COR/48-850/MF16/G 10/1	046677557447	9.9	1650	5000	P6QUAM20
929002394404	477315	12.5T8/COR/48-830/MF17/G 10/1	046677477318	12.5	1700	3000	PK9WBRJY
929002394504	477323	12.5T8/COR/48-835/MF17/G 10/1	046677477325	12.5	1700	3500	PGUWLHPQ
929002394604	477331	12.5T8/COR/48-840/MF18/G 10/1	046677477332	12.5	1800	4000	PHTWEL3Z
929002394704	477349	12.5T8/COR/48-850/MF18/G 10/1	046677477349	12.5	1800	5000	PQHGFDD
929002394804	471748	15T8/COR/48-830/MF20/G 10/1	046677471743	15	2000	3000	PIU561WN
929002394904	471755	15T8/COR/48-835/MF20/G 10/1	046677471750	15	2000	3500	PNKCHHNE
929002395004	471763	15T8/COR/48-840/MF21/G 10/1	046677471767	15	2100	4000	PQVJXWZS
929002395104	471771	15T8/COR/48-850/MF21/G 10/1	046677471774	15	2100	5000	PELH1ON7



MainsFit Glass LED T8 lamp - Other

Model #	6NC	Product Description	UPC	Watts	Lumens	CCT (K)	DLC ID
929001933804	535450	8.5T8/COR/24-830/MF11/G 10/1	046677535452	8.5	1100	3000	PSB5JDM7
929001933904	535468	8.5T8/COR/24-835/MF11/G 10/1	046677535469	8.5	1100	3500	PKG7DURA
929001934004	535476	8.5T8/COR/24-840/MF11/G 10/1	046677535476	8.5	1150	4000	PRGU80IY
929001934104	535484	8.5T8/COR/24-850/MF11/G 10/1	046677535483	8.5	1150	5000	PEQHTIDN
929001934204	535492	11.5T8/COR/36-830/MF13/G 10/1	046677535490	11.5	1300	3000	PEKX8MHK
929001934304	535500	11.5T8/COR/36-835/MF13/G 10/1	046677535506	11.5	1300	3500	P51PGWYW
929001934404	535518	11.5T8/COR/36-840/MF14/G 10/1	046677535513	11.5	1400	4000	PDESZ0HQ
929001934504	535526	11.5T8/COR/36-850/MF14/G 10/1	046677535520	11.5	1400	5000	P6A2TN9L
929001934604	535534	15.5T8-6U/COR/24-830/MF20/G 10/1	046677535537	15.5	2000	3000	PAL670JK
929001934704	535542	15.5T8-6U/COR/24-835/MF20/G 10/1	046677535544	15.5	2000	3500	PVKJRY18
929001934804	535559	15.5T8-6U/COR/24-840/MF21/G 10/1	046677535551	15.5	2100	4000	PUAR19X3
929001934904	535567	15.5T8-6U/COR/24-850/MF21/G 10/1	046677535568	15.5	2100	5000	PMKCEPRN
929002014004	545269	34T8/COR/96-840/MF42/G/FA8 10/1	046677545260	34.0	4200	4000	P2RH0524
929002014104	545277	34T8/COR/96-850/MF42/G/FA8 10/1	046677545277	34.0	4200	5000	PE2GMOB6
929002014204	545285	44T8HO/COR/96-840/MF54/G/R17d 10/1	046677545284	44.0	5400	4000	No Category
929002014304	545293	44T8HO/COR/96-850/MF54/G/R17d 10/1	046677545291	44.0	5400	5000	No Category

Ordering information



MainsFit Glass LED T5 HO lamp

Model #	6NC	Product Description	UPC	Watts	Lumens	CCT (K)	DLC ID
929001992504	542050	25T5HO/COR/46-835/MF33/G 25/1	046677542054	25.0	3300	3500	P9GYNK8G
929001992604	542068	25T5HO/COR/46-840/MF35/G 25/1	046677542061	25.0	3500	4000	PBQ7UFSX
929001992704	542076	25T5HO/COR/46-850/MF35/G 25/1	046677542078	25.0	3500	5000	PHK6IM4L



MainsFit Glass LED T8 BAA lamp

	Model #	6NC	Product Description	UPC	Watts	Lumens	CCT (K)	DLC ID	
NEW	929002497304	563692	11T8/COR/48-835/MF16/G 25/1 BAA	046677563691	11	1650	3500	PJ4EZ7G1	
NEW	929002497404	563700	11T8/COR/48-840/MF16/G 25/1 BAA	046677563707	11	1650	4000	PG2FHJS5	
NEW	929002497504	563718	11T8/COR/48-850/MF16/G 25/1 BAA	046677563714	11	1650	5000	POB4S0UW	
NEW	929002497604	563726	15.5T8/COR/48-835/MF21/G 25/1 BAA	046677563721	15.5	2100	3500	PNGBA9A0	
NEW	929002497704	563734	15.5T8/COR/48-840/MF21/G 25/1 BAA	046677563738	15.5	2100	4000	PGKNR9IL	
NEW	929002497804	563742	15.5T8/COR/48-850/MF21/G 25/1 BAA	046677563745	15.5	2100	5000	PA74ZVER	
NEW	929002497904	563759	8.5T8/COR/24-835/MF11/G 25/1 BAA	046677563752	8.5	1100	3500	P3VDJ660	Launching May 2021
NEW	929002498004	563759	8.5T8/COR/24-840/MF11/G 25/1 BAA	046677563769	8.5	1150	4000	PRYWLKTL	Launching May 2021
NEW	929002498104	563759	8.5T8/COR/24-850/MF11/G 25/1 BAA	046677563776	8.5	1150	5000	PGEDUIOL	Launching May 2021



FlexFit Glass LED T8 lamp - 4FT

Model #	6NC	Product Description	UPC	Watts	Lumens	CCT (K)	DLC ID
929002402204	560193	12.5T8/COR/48-835/FF18/G 25/1	046677560195	12.5	1800	3500	PNPPUDXB
929002317304	600189	12.5T8/COR/48-840/FF18/G 25/1	046677600181	12.5	1825	4000	PD745LMC
929002317404	600197	12.5T8/COR/48-850/FF18/G 25/1	046677600198	12.5	1825	5000	PMAB652F





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