

PHILIPS

LED

MainsFit
(UL Type B) lamps



Installation **simplified**

Philips MainsFit (UL Type/Ballast bypass) T8 LED lamps use a double-ended design which significantly simplifies installation, saving time and costs. This product can replace T5, T8 or T12 lamps in fixtures containing shunted or non-shunted sockets.⁵

- **Lifetime delivered** — up to 70,000 hours² average life rating
- **Easy install** — all Philips MainsFit lamps are double-ended for faster installs
- **Peace of mind** — patented design prevents shock, provides surge protection while enabling >200 lamps on a single 20A circuit
- **Energy Savings** — proven over 40% energy savings¹ over fluorescent systems
- **Ballast bypass** — UL Type B
- **Variety** — available in 2ft, 3ft, 4ft, 8ft and T5 HO
- **Emergency capable** when used with Bodine ELI-S-20 or ELI-S-100 emergency drivers
- **Light quality and performance predictability** — consistent light output and no flicker means delighted customers
- **Maximum durability** — available in plastic for the best anti-shatter performance
- **Wide beam light distribution** — 240° beam angle, 350° degree illumination angle
- **Installation simplicity** — can be used with both shunted and non-shunted sockets
- **DLC certified** — all MainsFit lamps are DLC certified

RoHS
COMPLIANT



Light to go

Compatible configurations

Lamps

14T8/COR/48-840/MF18/G 10/1
14T8/COR/48-850/MF18/G 10/1
14T8/PRO/48-840/IF21/G 10/1 FB
14T8/PRO/48-850/IF21/G 10/1 FB
15.5T8-6U/COR/24-840/MF21/G 10/1

16.5T8/COR/48-840/MF21/G 10/1
16.5T8/COR/48-850/MF21/G 10/1
16T8/LED/48-840/IF18/G 25/1
16T8/LED/48-850/IF18/G 25/1

25T5HO/COR/46-840/MF35/G 25/1
25T5HO/COR/46-850/MF35/G 25/1
8.5T8/COR/24-840/MF11/G 10/1
8.5T8/COR/24-850/MF11/G 10/1

every
job matters

1. Savings based on comparison to F32T8 electronic instant start systems.
2. Tested to B50 L70 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. Photometric testing consistent with IES LM-79.
5. For proper operation shunting of un-shunted sockets is required. See installation instructions for details.

Philips MainsFit (UL Type B) LED lamps

Ordering, electrical and technical data (Subject to change without notice)

Product Number	Model Number	DLC Product ID	Ordering Code	Volts	Watts	CRI	Color Temp. (K)	Lumens	LED Lifetime ³	Beam Angle	Lamp Material	Pkg Qty (Case)	MOL (in.)
4ft MasterClass T8 Plastic G13 Base													
557355	9290023251	P7ADBIB8	10.5T8/MAS/48-835/MF16/P 10/1	120-277	10.5	82	3500	1600	70,000	180°	Plastic	10	48
557363	9290023252	PAWQXZLG	10.5T8/MAS/48-840/MF16/P 10/1	120-277	10.5	82	4000	1650	70,000	180°	Plastic	10	48
557371	9290023253	PNSQUHUR	10.5T8/MAS/48-850/MF16/P 10/1	120-277	10.5	82	5000	1650	70,000	180°	Plastic	10	48
557389	9290023254	PKC3F284	14.5T8/MAS/48-830/MF20/P 10/1	120-277	14.5	82	3000	2000	70,000	180°	Plastic	10	48
557397	9290023255	PVMNRRGB	14.5T8/MAS/48-835/MF20/P 10/1	120-277	14.5	82	3500	2000	70,000	180°	Plastic	10	48
557405	9290023256	PHHILPJB	14.5T8/MAS/48-840/MF21/P 10/1	120-277	14.5	82	4000	2100	70,000	180°	Plastic	10	48
557413	9290023257	P7NU9OQ8	14.5T8/MAS/48-850/MF21/P 10/1	120-277	14.5	82	5000	2100	70,000	180°	Plastic	10	48
4ft MasterClass T8 Glass G13 Base													
532671	9290018768A	PVAFJMMI	12T8/MAS/48-830/MF17/G 10/1	120-277	12	82	3000	1700	50,000	240°	Glass	10	48
532689	9290018769A	PHSBLUQN	12T8/MAS/48-835/MF17/G 10/1	120-277	12	82	3500	1700	50,000	240°	Glass	10	48
532697	9290018770A	P7JFBFB	12T8/MAS/48-840/MF18/G 10/1	120-277	12	82	4000	1800	50,000	240°	Glass	10	48
532705	9290018771A	PF12AWS2	12T8/MAS/48-850/MF18/G 10/1	120-277	12	82	5000	1800	50,000	240°	Glass	10	48
4ft CorePro T8 Glass G13 Base													
557421	9290023259	P87LFQLH	9.9T8/COR/48-835/MF16/G 10/1	120-277	9.9	82	3500	1600	50,000	240°	Glass	10	48
557439	9290023260	PVODK2CO	9.9T8/COR/48-840/MF16/G 10/1	120-277	9.9	82	4000	1650	50,000	240°	Glass	10	48
557447	9290023261	P6QUAM20	9.9T8/COR/48-850/MF16/G 10/1	120-277	9.9	82	5000	1650	50,000	240°	Glass	10	48
477315	9290018454A	PZL49NS0	14T8/COR/48-830/MF17/G 10/1	120-277	14	82	3000	1700	50,000	240°	Glass	10	48
477323	9290018455A	PYPJ8SII	14T8/COR/48-835/MF17/G 10/1	120-277	14	82	3500	1700	50,000	240°	Glass	10	48
477331	9290018456A	P2OJ2JLX	14T8/COR/48-840/MF18/G 10/1	120-277	14	82	4000	1800	50,000	240°	Glass	10	48
477349	9290018457A	PZF69ARG	14T8/COR/48-850/MF18/G 10/1	120-277	14	82	5000	1800	50,000	240°	Glass	10	48
471748	9290013631B	P18550TJ	16.5T8/COR/48-830/MF20/G 10/1	120-277	16.5	82	3000	2000	50,000	240°	Glass	10	48
471755	9290013632B	P1NPKY18	16.5T8/COR/48-835/MF20/G 10/1	120-277	16.5	82	3500	2000	50,000	240°	Glass	10	48
471763	9290013633B	PIAI8464	16.5T8/COR/48-840/MF21/G 10/1	120-277	16.5	82	4000	2100	50,000	240°	Glass	10	48
471771	9290013634B	P3PZ1XIH	16.5T8/COR/48-850/MF21/G 10/1	120-277	16.5	82	5000	2100	50,000	240°	Glass	10	48
8ft CorePro T8 Glass FA8/R17d Base													
545269	9290020140	P2RHO524	34T8/COR/96-840/MF42/G/FA8 10/1	120-277	34	82	4000	4200	50,000	240°	Glass	10	96
545277	9290020141	PE2GMBO6	34T8/COR/96-850/MF42/G/FA8 10/1	120-277	34	82	5000	4200	50,000	240°	Glass	10	96
545285	9290020142	No Category	44T8HO/COR/96-840/MF54/G/R17d 10/1	120-277	44	82	4000	5400	50,000	240°	Glass	10	96
545293	9290020143	No Category	44T8HO/COR/96-850/MF54/G/R17d 10/1	120-277	44	82	5000	5400	50,000	240°	Glass	10	96
2ft CorePro T8 Glass G13 Base													
535450	9290019338	PSB5JDM7	8.5T8/COR/24-830/MF11/G 10/1	120-277	8.5	80	3000	1100	50,000	240°	Glass	10	24
535468	9290019339	PKG7DURA	8.5T8/COR/24-835/MF11/G 10/1	120-277	8.5	80	3500	1100	50,000	240°	Glass	10	24
535476	9290019340	PRGU80IY	8.5T8/COR/24-840/MF11/G 10/1	120-277	8.5	80	4000	1150	50,000	240°	Glass	10	24
535484	9290019341	PEQHT1DN	8.5T8/COR/24-850/MF11/G 10/1	120-277	8.5	82	5000	1150	50,000	240°	Glass	10	24
3ft CorePro T8 Glass G13 Base													
535492	9290019342	PEKX8MHK	11.5T8/COR/36-830/MF13/G 10/1	120-277	11.5	82	3000	1300	50,000	240°	Glass	10	36
535500	9290019343	P51PGWYW	11.5T8/COR/36-835/MF13/G 10/1	120-277	11.5	82	3500	1300	50,000	240°	Glass	10	36
535518	9290019344	PDESZOHQ	11.5T8/COR/36-840/MF14/G 10/1	120-277	11.5	82	4000	1400	50,000	240°	Glass	10	36
535526	9290019345	P6A2TN9L	11.5T8/COR/36-850/MF14/G 10/1	120-277	11.5	82	5000	1400	50,000	240°	Glass	10	36
6" U-bend CorePro T8 Glass G13 Base													
535534	9290019346	PAL670JK	15.5T8-6U/COR/24-830/MF20/G 10/1	120-277	15.5	82	3000	2000	50,000	180°	Glass	10	22.5
535542	9290019347	PVKJRY18	15.5T8-6U/COR/24-835/MF20/G 10/1	120-277	15.5	82	3500	2000	50,000	200°	Glass	10	22.5
535559	9290019348	PUARI9X3	15.5T8-6U/COR/24-840/MF21/G 10/1	120-277	15.5	82	4000	2100	50,000	200°	Glass	10	22.5
535567	9290019349	PMKCEPRN	15.5T8-6U/COR/24-850/MF21/G 10/1	120-277	15.5	82	5000	2100	50,000	200°	Glass	10	22.5
4ft CorePro T5 Glass G5 Base													
542050	9290019925	P9GYNK8G	25T5HO/COR/46-835/MF33/G 25/1	120-277	25	82	3500	3300	50,000	200°	Glass	25	46
542068	9290019926	PBQ7UFSX	25T5HO/COR/46-840/MF35/G 25/1	120-277	25	82	4000	3500	50,000	200°	Glass	25	46
542076	9290019927	PHK6IM4L	25T5HO/COR/46-850/MF35/G 25/1	120-277	25	82	5000	3500	50,000	200°	Glass	25	46

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

