



PHILIPS

LED

MainsFit
(UL Type-B) lamps

Installation **simplified**

Philips MainsFit (UL Type B) T8 LED lamps use a double-ended design which significantly simplifies installation, saving time and costs. This product can replace either T8 or T12 lamps in fixtures containing shunted or non-shunted G13 (medium bi-pin) lamp holders.

- **Proven over 40% energy savings¹** over fluorescent systems
- **Lifetime delivered** — average life rating of 50,000 hours² means satisfied customers
- **Improved profit** and more time growing business instead of doing rework
- **UL Classified** and double-ended design for safety
- **Ballast Bypass** – UL Type-B
- **Light quality and performance predictability**— consistent light output and no flicker means satisfied happy customers and no wasted time redoing a job.
- **Proven product history** and a company with a long history of innovation and reliability in the lighting industry.
- **Wide beam** light distribution – 240°, 350° degree illumination angle
- **Installation simplicity** – can be used with both shunted and non-shunted sockets
- **DLC Certified** – all MainsFit lamps are DLC certified



Philips MainsFit LED lamps

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

Grainger Number	Product Number	Model Number	DLC Product ID	Ordering Code	Volts	Base	CRI	Color Temp. (K)	Pkg Qty	LED Lifetime ³	MOL (In.)	Beam Angle
MainsFit LED T8 - 4ft												
449U98	47731-5	9290018454	P3V56EPW	14T8PRO/48-830/BB17/G 10/1 FB	120-277	G13	82	3000	10	50,000	48	240°
449U99	47732-3	9290018455	PN3X1615	14T8PRO/48-835/BB17/G 10/1 FB	120-277	G13	82	3500	10	50,000	48	240°
449V01	47733-1	9290018456	PTLPG7HI	14T8PRO/48-840/BB18/G 10/1 FB	120-277	G13	82	4000	10	50,000	48	240°
449V02	47734-9	9290018457	PDSO3H88	14T8PRO/48-850/BB18/G 10/1 FB	120-277	G13	82	5000	10	50,000	48	240°
MainsFit LED T8 High Output - 4ft												
416K90	47174-8	9290013631A	P3STDHPR	16.5T8PRO/48-830/BB20/G	120-277	G13	82	3000	10	50,000	48	240°
416K91	47175-5	9290013632A	PY5XD54C	16.5T8PRO/48-835/BB20/G	120-277	G13	82	3500	10	50,000	48	240°
416K92	47176-3	9290013633A	PKVUC6JH	16.5T8PRO/48-840/BB21/G	120-277	G13	82	4000	10	50,000	48	240°
416K93	47177-1	9290013634A	PFKMF7AO	16.5T8PRO/48-850/BB21/G	120-277	G13	82	5000	10	50,000	48	240°

Technical data (Subject to change without notice)

MainsFit LED T8 - 4ft					
Grainger Number	Product Number	Bare Lamp Watts (W)	Initial Lumens ⁴	Beam Angle	Dimmable ⁵
449U98	47731-5	14	1700	240°	N
449U99	47732-3	14	1700	240°	N
449V01	47733-1	14	1800	240°	N
449V02	47734-9	14	1800	240°	N

MainsFit LED T8 High Output - 4ft					
Grainger Number	Product Number	Bare Lamp Watts (W)	Initial Lumens ⁴	Beam Angle	Dimmable ⁵
416K90	47174-8	17	2000	240°	N
416K91	47175-5	17	2000	240°	N
416K92	47176-3	17	2100	240°	N
416K93	47177-1	17	2100	240°	N

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

Shipping data (Subject to change without notice)

Grainger Number	Product Number	SKU UPC (0-46677)	Outer Bar Code (5-00-46677)	Case Qty.	Case Weight (lbs.)	Case Cube (cu. Ft.)	Pallet Qty	Lamps/SKU	SKUs per Layer	Layers High	SKU Dimensions (L x W x H) (In.)	Case Dimensions (L x W x H) (In.)	Pallet Dimensions (L x W x H) (In.)
MainsFit LED T8 - 4ft													
449U98	47731-5	47731-8	47731-3	10	6.65	0.42	550	1	50	11	1.1 x 1.1 x 47.6	49.5 x 7.1 x 3.9	50.0 x 35.9 x 42.6
449U99	47732-3	47732-5	47732-0	10	6.65	0.42	550	1	50	11	1.1 x 1.1 x 47.6	49.5 x 7.1 x 3.9	50.0 x 35.9 x 42.6
449V01	47733-1	47733-2	47733-7	10	6.65	0.42	550	1	50	11	1.1 x 1.1 x 47.6	49.5 x 7.1 x 3.9	50.0 x 35.9 x 42.6
449V02	47734-9	47734-4	47734-4	10	6.65	0.42	550	1	50	11	1.1 x 1.1 x 47.6	49.5 x 7.1 x 3.9	50.0 x 35.9 x 42.6
MainsFit LED T8 High Output - 4ft													
416K90	47174-8	47174-3	47174-8	10	6.20	0.42	550	1	50	11	1.1 x 1.1 x 47.6	50 x 35.9 x 3.9	50.0 x 35.9 x 42.6
416K91	47175-5	47175-0	47175-5	10	6.20	0.42	550	1	50	11	1.1 x 1.1 x 47.6	50 x 35.9 x 3.9	50.0 x 35.9 x 42.6
416K92	47176-3	47176-7	47176-6	10	6.20	0.42	550	1	50	11	1.1 x 1.1 x 47.6	50 x 35.9 x 3.9	50.0 x 35.9 x 42.6
416K93	47177-1	47177-4	47177-9	10	6.20	0.42	550	1	50	11	1.1 x 1.1 x 47.6	50 x 35.9 x 3.9	50.0 x 35.9 x 42.6

- Savings based on comparison to F32T8 electronic instant start systems.
- 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).
- Photometric testing consistent with IES LM-79.
- Product is not dimmable.



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