

**PHILIPS**

LED

DC-Fit T8 Lamp



# Easily upgrade to LED from fluorescent.

Philips LED DC-Fit T8 is an ideal choice to convert existing fluorescent fixtures to LED fixtures using controllable LED drivers for maximum energy savings.

## Perfect for a wide range of applications

- Full light output in spaces with temperatures down to -4°F (-20°C)
- Perfect for applications with frequent “on/off” switching cycles
- Buildings that desire to be mercury free

## Easy to experience

- Instant on, no flicker or buzz (DC operation)
- Fits into existing linear fixtures
- Compatible with the Philips Xitanium SR LED Driver
- Compatible with Philips Bodine emergency drivers
- Can be incorporated into existing control ecosystems<sup>2</sup>

## Energy savings

- Typical estimated combined system savings from wattage and controls is 60 – 75%<sup>3</sup>
- Optimized and efficient system with only one power conversion stage (AC → DC) unlike fluorescent systems that have two stages (AC → DC → AC)

## Sustainable lighting solution

- No mercury allowing for non-hazardous waste disposal
- Emits virtually no UV rays or IR
- 5-year limited warranty<sup>4</sup>

# Philips LED DC-Fit T8 Lamps

## Ordering, Electrical and Technical Data (Subject to change without notice)

Product No.	Model No.	Ordering Code	Volts (Depending on Driver)	Base	CRI	Color Temp. (K)	Pkg Qty	Rated Avg. Life <sup>5</sup>	MOL (In.)	Beam Angle
<b>LED DC-Fit T8 - 4'</b>										
45812-5	9290011751	16.5T8 LED/48-4000 20/1 DC Driver	120-277, 347	G13	82	4000	20	50,000	48	160
<b>LED DC-Fit T8 - 2'</b>										
45813-3	9290011752	8.5T8 LED/24-4000 20/1 DC Driver	120-277, 347	G13	82	4000	20	50,000	24	160

## UL/CSA Classified Kits (Subject to change without notice)

### LED Drivers

Product Number	Driver Part Number	Driver Manufacturer	Drive Current (mA)	# of lamps operated	Control Method	Remarks
<b>LED DC-Fit T8 - 4'</b>						
45812-5	XI040C110V054VPT1	Philips (Xitanium)	656	1 or 2	Sensor Ready	Philipsfield apps or Philips MultiOne Can be used to program lamp current.
	XI075C200V054VPT1		1312	4		
<b>LED DC-Fit T8 - 2'</b>						
45813-3	XI040C110V054VPT1	Philips (Xitanium)	340	1 or 2	Sensor Ready	Philipsfield apps or Philips MultiOne Can be used to program lamp current.
	XI075C200V054VPT1		680	4		

### Emergency LED Drivers

Product Number	Driver Part Number	Driver Manufacturer	# of lamps operated (in emergency)
<b>LED DC-Fit T8 - 4'</b>			
45812-5	BSL310	Philips Bodine	1
45812-5	BSL310LP	Philips Bodine	1, 2 or 4
45812-5	BSL36LP	Philips Bodine	1, 2 or 4
<b>LED DC-Fit T8 - 2'</b>			
45813-3	BSL310	Philips Bodine	2
45813-3	BSL310LP	Philips Bodine	1, 2 or 4
45813-3	BSL36LP	Philips Bodine	1, 2 or 4

# Philips LED DC-Fit T8 Lamps

## Ordering, Electrical and Technical Data (Subject to change without notice)

Product No.	Bare Lamp Watts (W)	Average System Watts (W)		Lamp DC Current (mA) <sup>6</sup>	Lamp DC Voltage (V)	Initial Lumens <sup>7</sup>
		1 Lamp	2 Lamp			
<b>LED DC-Fit T8 - 4'</b>						
45812-5	16.5	21	40	656	25-27	2100
<b>LED DC-Fit T8 - 2'</b>						
45813-3	8.5	11.5	21.5	340	25-27	1050

## Shipping Data (Subject to change without notice)

Product Number	SKU UPC (0-46677)	Outer Bar Code (5-00-46677)	Case Qty.	Case Weight (lbs.)	Case Volume (cu. Ft.)	Pallet Qty.	Lamps/SKU	SKUs per Layer	Layers High	SKU Dimensions (W x D x H) (In.)	Case Dimensions (W x D x H) (In.)	Pallet Dimensions (W x D x H) (In.)
<b>LED DC-Fit T8 - 4'</b>												
45812-5	45812-6	45812-1	20	11.5	1.02	720	1	120	6	49.8 x 0.3 x 5.8	49.8 x 6.1 x 5.8	50.6 x 39.4 x 40.7
<b>LED DC-Fit T8 - 2'</b>												
45813-3	45813-3	45813-8	20	6.5	0.53	1140	1	240	6	25.8 x 0.3 x 5.8	25.8 x 6.1 x 5.8	50.6 x 39.4 x 40.7

1. The LED driver must be able to control the DC current to the DC-Fit based on inputs from control devices (e.g. ambient light sensors and occupancy sensors)
  2. The LED driver must be compatible with the existing control ecosystem.
  3. Against a comparison baseline of 3-lamp T8, 2x4' troffers on 8 x 10' centers, without dimming controls.
  4. See warranty for terms and conditions at [www.philips.com/warranties](http://www.philips.com/warranties).
  5. Tested to B50 L70 Requirement. This is defined as the number of hours when 50% of a large group of identical lamps drops below 70% of its initial lumens.
  6. The Lamp DC current is the output DC current of the LED driver.
  7. Initial Lumens at the specified DC current. Photometric testing is consistent with IES LM-79.
- This lamp is DLC qualified.



© 2016 Philips Lighting Holding B.V. All rights reserved. Philips reserves the right to make changes in specifications and/or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication.



Philips Lighting North America Corporation  
200 Franklin Square Drive, Somerset, NJ 08873  
Tel. 855-486-2216

Imported by: Philips Lighting,  
A division of Philips Electronics Ltd.  
281 Hillmount Rd, Markham, ON, Canada L6C 2S3  
Tel. 800-668-9008