

## LED Lamps

### ProLED® 8 Foot T8 Type B Series

- Dedicated Color: 4000K and 5000K
- Field-Selectable: Adjustable CCT and Lumen Output
- Double-Ended Wiring
- Type B Ballast Bypass
- Changeable Endcaps: RDC and Single Pin

### Specifications

#### Description

Halco's 8-Foot T8 Type B LED Lamps deliver bright, energy-efficient lighting for a wide range of commercial and industrial spaces. With output options up to 5,500 lumens and 146 lumens per watt, they are an ideal replacement for traditional fluorescent tubes in warehouses, signage, retail, and utility applications. Available in both dedicated and color-selectable models (ranging from 3000K to 6500K), these lamps offer flexibility to suit different environments. A long rated life of 50,000 hours helps reduce maintenance, while changeable endcaps allow quick adaptation between RDC and single-pin sockets—streamlining both installation and inventory.

#### Performance

- Color temperature options: 4000K, 5000K (dedicated color)
- Selectable color temperatures: 3000K, 3500K, 4000K, 5000K, 6500K (field-selectable)
- Up to 146 lumens per watt
- 3300 to 5500 lumen options
- CRI 80+
- L70 Lumen maintenance > 50,000 hours
- 120-277V
- -20°C to 45°C operating temperature
- 210° beam angle
- 5 year limited warranty

#### Construction

- Glass tube
- Plastic endcaps
- Changeable endcaps: FA8 and R17D



#### Applications

- Industrial and Utility Lighting
- Commercial Facilities
- Warehouses and Storage Areas
- Signage and Backlit Displays
- Manufacturing and Assembly Lines

#### Certifications

- UL listed for damp locations
- DLC 5.1 Standard (FA8 base only)  
(Visit [Designlights.org](http://Designlights.org) for Qualified Product List)
- NSF rated
- RoHS compliant
- FCC part 15 compliant

## ProLED® 8 Foot T8 Type B Series

### Ordering Logic:

Series	Wattage	CRI / CCT	Wiring	Compatibility/ Generation	Technology
96T8 = 96 inch, T8 Lamp	40 = 40 Watts 40S = 40W Selectable	840 = 82 CRI, 4000K 850 = 82 CRI, 5000K 8CS = 82 CRI, Color Selectable 3000K-3500K-4000K-5000K-65000K	DE = Double Ended	BYP3 = Type B (Ballst Bypass) Generation 3	LED

### Ordering Information

Product SKU	Product Code	Product Description	Equiv Watts	Replaces	DLC Product ID
87220	96T8-40-840-DE-BYP3-LED	LED T8 96in 40W 4000K Double Ended Type B (Bypass) 5500 Lumens with FA8 and R17D End Caps Non-Dimmable	110W	82877; 82875	S-OZTNLT
87221	96T8-40-850-DE-BYP3-LED	LED T8 96in 40W 5000K Double Ended Type B (Bypass) 5500 Lumens with FA8 and R17D End Caps Non-Dimmable	110W	82878; 82876	S-J8Q1TS
87226	96T8-40S-8CS-DE-BYP3-LED	LED T8 96in Color Selectable 3000K-6500K Double Ended Type B (Bypass) Lumen Selectable(3500-4400-5500/24W-32W-40W) with FA8 and R17D End Caps Non-Dimmable	110W	82879; 89008	S-C86TXV
<b>Accessories</b>					
FA8 and R17D End Caps Included					

### Performance Table

Product Code	Wattage	3000K		3500K		4000K		5000K		6500K	
		Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)
96T8-40-840-DE-BYP3-LED	40W					5500	138				
96T8-40-850-DE-BYP3-LED	40W							5500	138		
96T8-40S-8CS-DE-BYP3-LED	24W	3300	138	3300	138	3500	146	3500	146	3500	146
	32W	4200	131	4200	131	4400	138	4400	138	4400	138
	40W	5200	130	5200	130	5500	138	5500	138	5500	138

## ProLED® 8 Foot T8 Type B Series

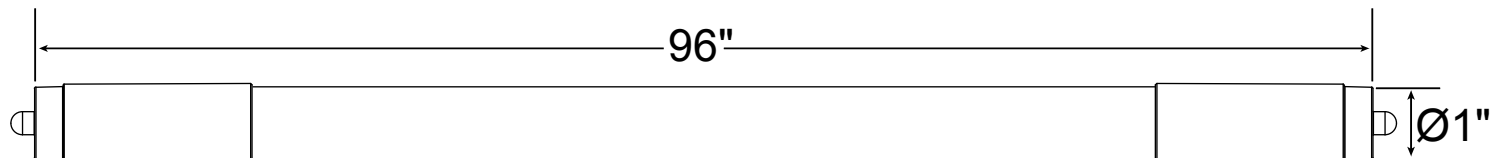
### Specifications Table

	96T8-40-840-DE-BYP3-LED	96T8-40-850-DE-BYP3-LED	96T8-40S-8CS-DE-BYP3-LED
Nominal Wattage	40W	40W	Selectable 24W / 32W / 40W
Delivered Lumens	5500	5500	3500 / 4400 / 5500
Efficacy (lm/W)	138 LPW	138 LPW	130 LPW - 146 LPW
CCT	4000K	5000K	Selectable 3000K, 3500K, 4000K, 5000K or 6500K
CRI	82		
L70 Lifetime (hrs)	50,000		
Voltage	120-277V		
Power Factor	0.95		
Dimming	No		
Housing Material	Glass		
Base Type	FA8 and R17D		
Operating Temperature (Min)	-20°C		
Operating Temperature (Max)	45°C		
Listings	cULus - DLC 5.1 Standard - NSF - FCC - RoHS - Damp Location Rated		
Environment	Damp Location		
Warranty (Years)	5		
Beam Angle	210°		
Weight (lbs.)	0.914		
Frequency	50/60Hz		

## ProLED® 8 Foot T8 Type B Series

### Dimensions

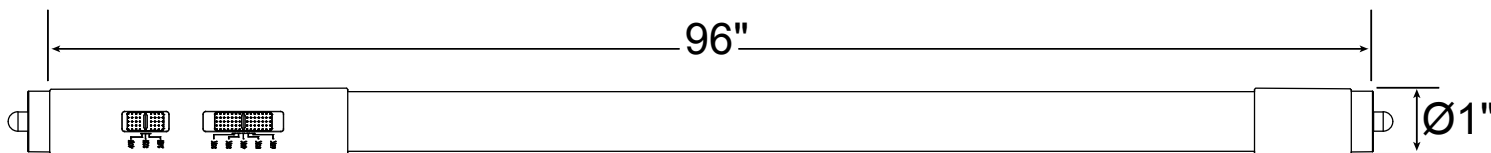
96T8-40-8XX-DE-BYP3-LED (FA8)



96T8-40-8XX-DE-BYP3-LED (R17D)



96T8-40S-8CS-DE-BYP3-LED (FA8)



96T8-40S-8CS-DE-BYP3-LED (R17D)

