



Phone: 1-847-672-4578

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Web: [www.eco-led.com](http://www.eco-led.com)

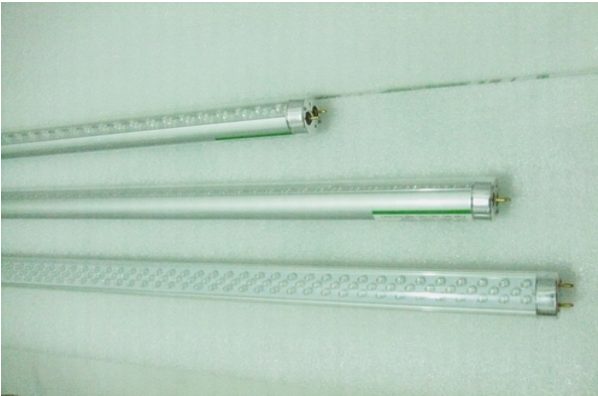
## LED 'FLUORESCENT' REPLACEMENT LAMP SERIES

### Specifications

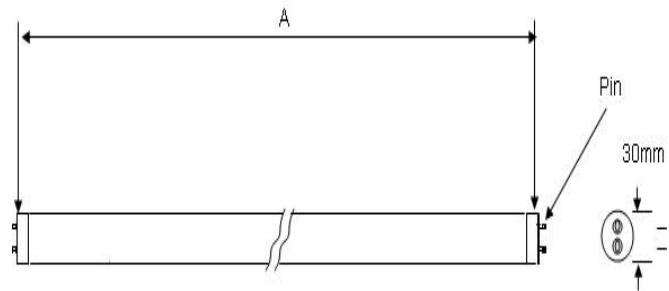
**Product name: Alumium Based DIP T8 LED Replacement Lamp**

**Part number: TA60/90/120/150/180/240** (Coding: TA-TYPE A, 60/90/120/150-lamp length)

**Picture:**



**Diagram**



A = Length from Endcap to Endcap

Endcap Pin = Bi-Pin G13

For detailed light lengths, see below 'Tech Specs'

### Product Features

An ideal candidate for fluorescent lamp replacement in office or at home.

Low heat dissipation.

Low power consumption.

Available in PC material cover – fits standard fluorescent fixtures.

Built with dedicated LED driver for PWM constant current supply to insure longer operating life and to minimize brightness deterioration due to overdriven – unlike many other designs where normal rectifier and simple RC circuit is employed.

85 - 277V AC for convenient displace the old fluorescent tube on different occasions.

12-36V DC version is available for the full line of our products, adopting an external UL listed driver, you will be allowed to exempt the UL limitations in selling and using it.

CE/RoHS/FCC approved.

### Tech Specs

Diameter: 30mm Primary Materials: PC housing, aluminum heat sink.

Normal Supply Voltage: 12-36V DC or 85 - 265V AC and 265V - 280V are all available.

Color of LED: Pure White(7000K) White (5000-6000K) Warm White (3000 - 3500K)

Work Temperature: -20~+40°C Stroe Temperature: -40-60°C

LED View Angle: 120°, 100 LUX (testing in 2 meter)

LED Type: 3528 high brightness SMD LED Product Life: 40,000 hours

Power Factor: ≥0.93 Colour Rendering Index: 82Ra

Accurate Dimensions: A=584mm for the mentioned similar 2ft(8w) A=896mm for the 3ft (12w)

A=1195mm for the 4ft(18w) A=1495mm for the 5ft(22w) A=1764mm / 6ft A=2395mm / 8ft

Model No.	Power(W)	Lamp Length	LED Quantity	Luminous Flux	Input Current
TA60	8	60cm / 2 feet	108	650	AC35mA±10mA
TA90	12	90cm / 3 feet	180	1100	AC53mA±10mA
TA120	18	120cm / 4 feet	288	1800	AC80mA±10mA
TA150	22	150cm / 5 feet	324	2000	AC98mA±10mA
TA180	26	180cm / 6 feet	396	2400	AC115mA±10mA
TA240	36	240cm / 8 feet	540	3300	AC160mA±10mA

### Packaging Information

Model No.	Qty per box(pcs)	Weight (kgs)			Measurement per box		Total Boxes per container
		Each item	Net per box	Gross per box	LxHxW (CM)	CBM	20GP
TA60	50	0.3	15.0	15.8	128X25X23	0.074	380
TA90	25	0.43	10.8	11.9	98x25x23	0.056	497
TA120	25	0.56	14.0	15.4	128x25x23	0.074	380
TA150	25	0.75	18.8	20.6	158x25x23	0.091	308
TA180	25	0.89	22.3	24.3	188x25x23	0.108	259
TA240	10	1.2	12.0	14.8	248x12x23	0.068	409

1. 5pcs per layer, 5 layers in one box.
2. 5pcs per layer, 2 layers in one box for TA240

### Applications:



Metro Lighting Project



Aisle Lighting



Signage Lighting



Office Lighting





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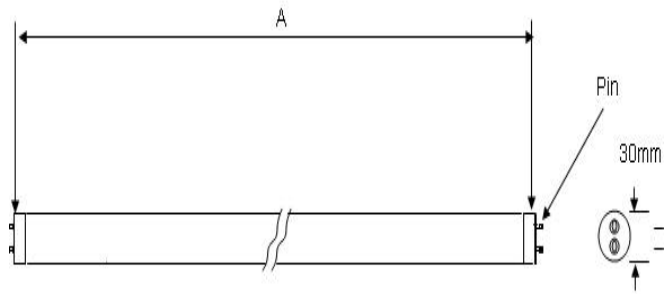
### Specifications

**Product name: PC Housing DIP T8 LED Replacement Lamp**

**Part number: TB60/90/120/150/180/240** (Coding: TB-TYPE B, 60/90/120/150-lamp length)

**Picture:**

**Diagram**



A = Length from Endcap to Endcap

Endcap Pin = Bi-Pin G13

For detailed light lengths, see below 'Tech Specs'

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85 - 277V AC for convenient displace the old fluorescent tube on different occasions.

12-36V DC version is available for the full line of our products, adopting an external UL listed driver, you will be allowed to exempt the UL limitations in selling and using it.

CE/RoHS/FCC approved.

### Tech Specs

Diameter: 30mm Primary Materials: PC housing, aluminum heat sink.

Normal Supply Voltage: 12-36V DC or 85 - 265V AC and 265V - 280V are all available.

Color of LED: Pure White(7000K) White (5000-6000K) Warm White (3000 - 3500K)

Work Temperature: -20~+40°C Stroe Temperature: -40-60°C

LED View Angle: 120°, 100 LUX (testing in 2 meter)

LED Type: 3528 high brightness SMD LED Product Life: 40,000 hours

Power Factor: ≥0.93 Colour Rendering Index: 82Ra

Accurate Dimensions: A=584mm for the mentioned similar 2ft(8w) A=896mm for the 3ft (12w)

A=1195mm for the 4ft(18w) A=1495mm for the 5ft(22w) A=1764mm / 6ft A=2395mm / 8ft

Model No.	Power(W)	Lamp Length	LED Quantity	Luminous Flux	Input Current
TB60	8	60cm / 2 feet	108	650	AC35mA±10mA
TB90	12	90cm / 3 feet	180	1100	AC53mA±10mA
TB120	18	120cm / 4 feet	288	1800	AC80mA±10mA
TB150	22	150cm / 5 feet	324	2000	AC98mA±10mA
TB180	26	180cm / 6 feet	396	2400	AC115mA±10mA
TB240	36	240cm / 8 feet	540	3300	AC160mA±10mA

### Packaging Information

Model No.	Qty per box(pcs)	Weight (kgs)			Measurement per box		Total Boxes per container
		Each item	Net per box	Gross per box	LxHxW (CM)	CBM	20GP
TB60	50	0.18	9.0	9.8	128X25X23	0.074	380
TB90	25	0.3	7.8	8.9	98x25x23	0.056	497
TB120	25	0.39	9.8	11.2	128x25x23	0.074	380
TB150	25	0.45	11.3	13.1	158x25x23	0.091	308
TB180	25	0.65	16.3	18.3	188x25x23	0.108	259
TB240	10	0.78	7.8	10.6	248x12x23	0.068	409

1. 5pcs per layer, 5 layers in one box.
2. 5pcs per layer, 2 layers in one box for TA240

### Applications:



Metro Lighting Project



Aisle Lighting



Signage Lighting



Office Lighting





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## LED 'FLUORESCENT' REPLACEMENT LAMP SERIES

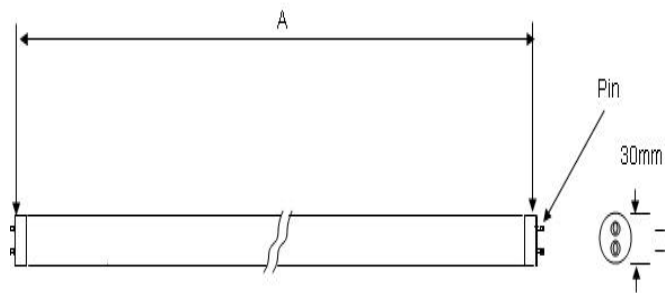
### Specifications

**Product name: Alumium Based SMD T8 Replacement Lamp**

**Part number: TC60/90/120/150/180/240** (Coding: TC-TYPE C, 60/90/120/150-lamp length)

**Picture:**

**Diagram**



A = Length from Endcap to Endcap

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For detailed light lengths, see below 'Tech Specs'

### Product Features

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Low power consumption.

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12-36V DC version is available for the full line of our products, adopting an external UL listed driver, you will be allowed to exempt the UL limitations in selling and using it.

CE/RoHS/FCC approved.

### Tech Specs

Diameter: 30mm Primary Materials: PC housing, aluminum heat sink.

Normal Supply Voltage: 12-36V DC or 85 - 265V AC and 265V - 280V are all available.

Color of LED: Pure White(7000K) White (5000-6000K) Warm White (3000 - 3500K)

Work Temperature: -20~+40°C Stroe Temperature: -40-60°C

LED View Angle: 120°, 100 LUX (testing in 2 meter)

LED Type: 3528 high brightness SMD LED Product Life: 40,000 hours

Power Factor:  $\geq 0.93$  Colour Rendering Index: 82Ra

Accurate Dimensions: A=584mm for the mentioned similar 2ft(8w) A=896mm for the 3ft (12w)

A=1195mm for the 4ft(18w) A=1495mm for the 5ft(22w) A=1764mm / 6ft A=2395mm / 8ft

Model No.	Power(W)	Lamp Length	LED Quantity	Luminous Flux	Input Current
TC60	8	60cm / 2 feet	108	700	AC35mA±10mA
TC90	12	90cm / 3 feet	180	1150	AC53mA±10mA
TC120	18	120cm / 4 feet	288	1850	AC80mA±10mA
TC150	22	150cm / 5 feet	324	2050	AC98mA±10mA
TC180	26	180cm / 6 feet	396	2450	AC115mA±10mA
TC240	36	240cm / 8 feet	540	3350	AC160mA±10mA

### Packaging Information

Model No.	Qty per box(pcs)	Weight (kgs)			Measurement per box		Total Boxes per container
		Each item	Net per box	Gross per box	LxHxW (CM)	CBM	20GP
TC60	50	0.3	15.0	15.8	128X25X23	0.074	380
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TC240	10	1.2	12.0	14.8	248x12x23	0.068	409

1. 5pcs per layer, 5 layers in one box.
2. 5pcs per layer, 2 layers in one box for TA240

### Applications:



Metro Lighting Project



Aisle Lighting



Signage Lighting



Office Lighting





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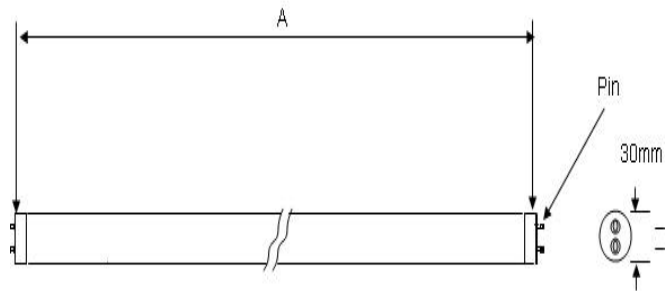
### Specifications

**Product name: PC Housing SMD T8 LED Replacement Lamp**

**Part number: TD60/90/120/150/180/240** (Coding: TD-TYPE D, 60/90/120/150-lamp length)

**Picture:**

**Diagram**



A = Length from Endcap to Endcap

Endcap Pin = Bi-Pin G13

For detailed light lengths, see below 'Tech Specs'

### Product Features

An ideal candidate for fluorescent lamp replacement in office or at home.

Low heat dissipation.

Low power consumption.

Available in PC material cover – fits standard fluorescent fixtures.

Built with dedicated LED driver for PWM constant current supply to insure longer operating life and to minimize brightness deterioration due to overdriven – unlike many other designs where normal rectifier and simple RC circuit is employed.

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CE/RoHS/FCC approved.

### Tech Specs

Diameter: 30mm Primary Materials: PC housing, aluminum heat sink.

Normal Supply Voltage: 12-36V DC or 85 - 265V AC and 265V - 280V are all available.

Color of LED: Pure White(7000K) White (5000-6000K) Warm White (3000 - 3500K)

Work Temperature: -20~+40°C Stroe Temperature: -40-60°C

LED View Angle: 120°, 100 LUX (testing in 2 meter)

LED Type: 3528 high brightness SMD LED Product Life: 40,000 hours

Power Factor: ≥0.93 Colour Rendering Index: 82Ra

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Model No.	Power(W)	Lamp Length	LED Quantity	Luminous Flux	Input Current
TD60	8	60cm / 2 feet	108	700	AC35mA±10mA
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### Packaging Information

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TD150	25	0.45	11.3	13.1	158x25x23	0.091	308
TD180	25	0.65	16.3	18.3	188x25x23	0.108	259
TD240	10	0.78	7.8	10.6	248x12x23	0.068	409

1. 5pcs per layer, 5 layers in one box.
2. 5pcs per layer, 2 layers in one box for TA240

### Applications:



Metro Lighting Project



Aisle Lighting



Signage Lighting



Office Lighting





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## LED 'FLUORESCENT' REPLACEMENT LAMP SERIES

### Specifications

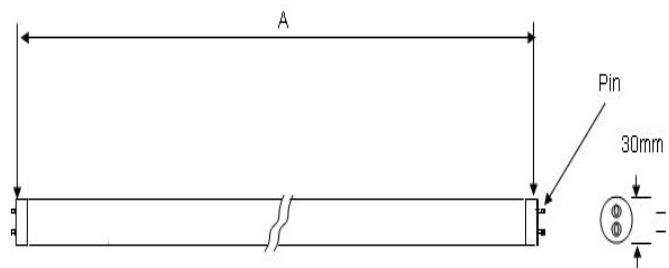
**Product name: High Power LED Tube Light**

**Part number: HP10/15/20/25/30/36W** (Coding: HP-high power LED, 10/15/20-LED power)

**Picture:**



**Diagram**



A = Length from Endcap to Endcap

Endcap Pin = Bi-Pin G13

### Features

- \* Uses 1W LED as lighting source, high illuminated efficiency.
- \* Uses aluminum housing as its heat sink, easily cooling off and anode of surface treated by oxidation feels smooth and glossy.
- \* built with dedicated LED driver with PWM constant supply to ensure longer operating life and to minimize brightness deterioration due to over-driven.
- \* 85 - 277V AC for convenient to replace the old fluorescent tube on different occasions.
- \* 12-36V DC version is available for the full line of our products, adopting an external UL listed driver, you will be allowed to exempt the UL limitations in selling and using it.
- \* CE/RoHS/FCC approved.

### Tech Specs

Input Voltage: 12-36V DC / 120V AC / 230V AC

Power Factor:  $\geq 0.90$

Beam Angle: 120- 135 degrees

Leak Current:  $< 1\mu A$

Lifespan: 50000 hours

Color Temperature: Pure White 5000-5500K, Warm White 3000-4000k, Cool White 7000K

Input Current:

Material: Aluminum base + PC cover

Working Temperature: -20 to 50°C

Environmental Humidity:  $> 85\%$

Light Depreciation:  $< 4.5\%$  after 1000 hours

Color Index: 80Ra

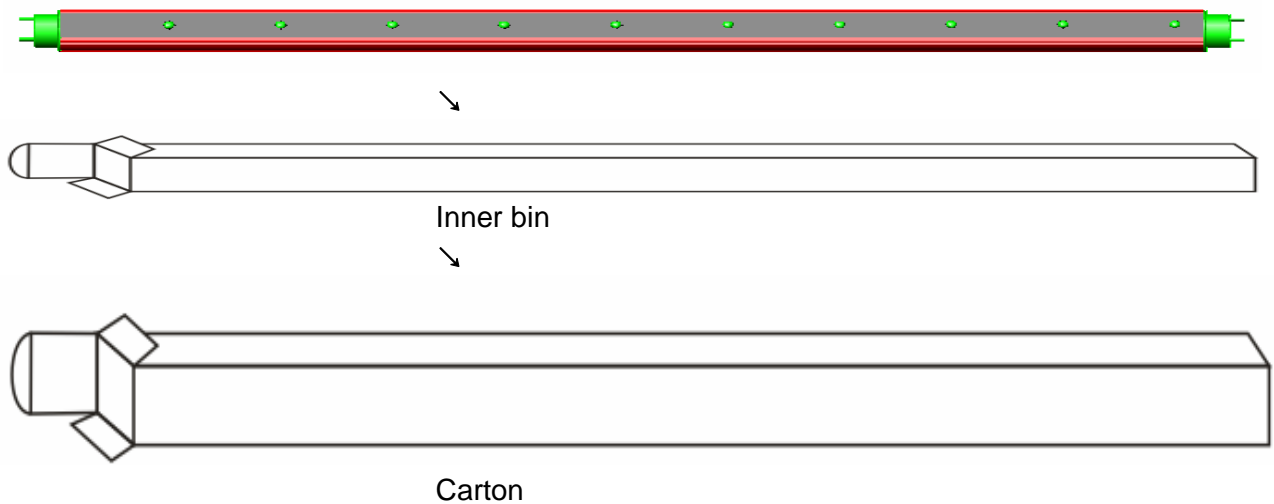
PCB Board: Fiber, Black paint on surface

Part Number	Power	LED Quantity	Lamp Length	Luminous Flux	Luminous Intensity (1m)
HP10W	10 Watts	10pcs 1w LED	60cm / 2 feet	700-800Lm	250Lux
HP15W	15 Watts	15pcs 1w LED	90cm / 3 feet	1050-1200Lm	320Lux
HP20W	20 Watts	20pcs 1w LED	120cm / 4 feet	1400-1600Lm	410Lux
HP25W	25 Watts	25pcs 1w LED	150cm / 5 feet	1750-2000Lm	460Lux
HP30W	30 Watts	30pcs 1w LED	180cm / 6 feet	2100-2400Lm	500Lux
HP36W	36 Watts	36pcs 1w LED	240cm / 8 feet	2520-2880Lm	

### Packaging Information

Part Number	Net Weight (Kg)	Bin Dimension	Carton Dimension	Net Weight Per Carton	Gross Weight Per Carton
HP10W	0.45	64x4.3x4.3cm	83x24x13cm	5.0kg	5.5kg
HP15W	0.6	95x4.3x4.3cm	100x24x13cm	6.5kg	7.5kg
HP20W	0.75	125x4.3x4.3cm	129x24x13cm	8.0kg	9kg
HP25W	0.9	154x4.3x4.3cm	160x24x13cm	9.5kg	10kg
HP30W	1	185x4.3x4.3cm	190x24x13cm	10.5kg	11kg
HP36W					

### Packaging Picture



### Installation

For inductive ballast circuit

Step one: remove the old fluorescent tube

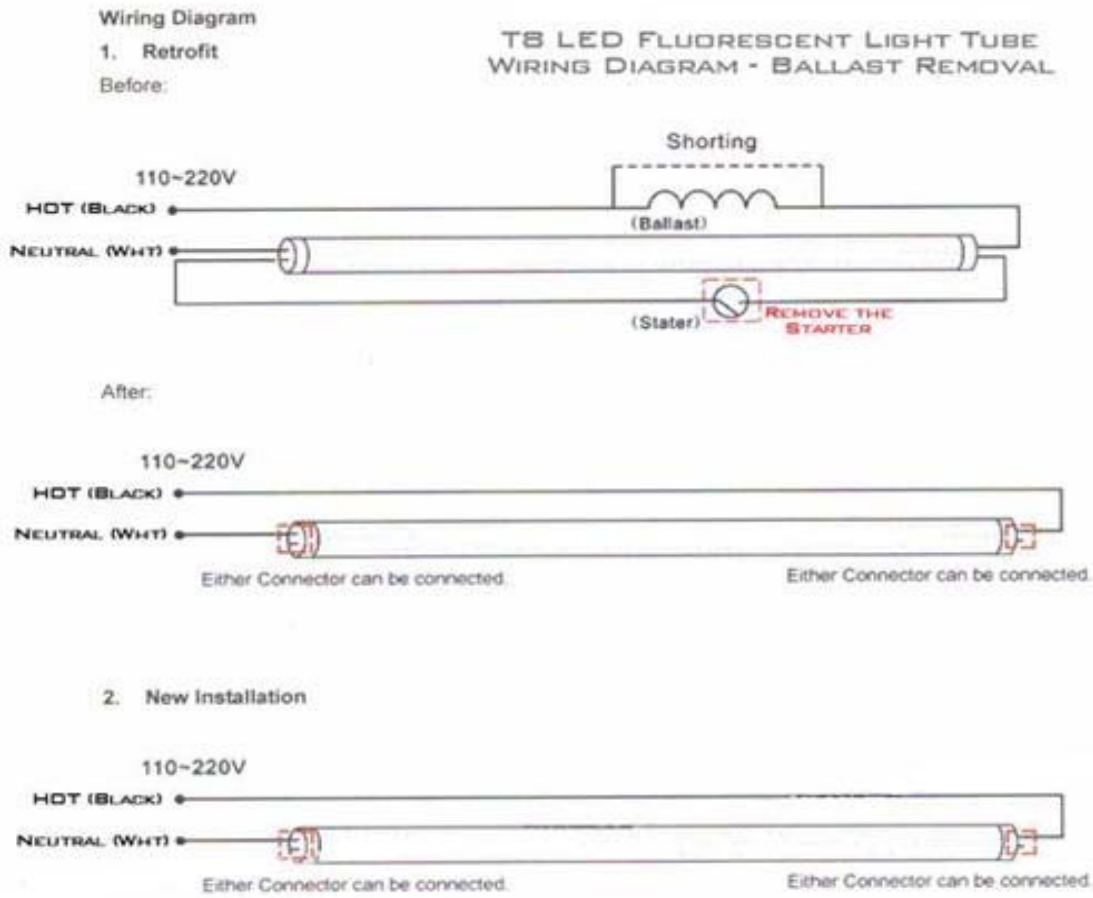
Second: take away the starter

Third: take away the ballast and rewiring (this step is unnecessary but strongly recommendable)

Fouth: install the LED T8 into the no starter and ballast fixture

For electronic ballast circuit

- First: take away the old tube
- Second: take away the electronic ballast and rewiring
- Third: install the LED T8 into the no ballast fixture



**Applications:**



Metro Lighting Project



Aisle Lighting



Signage Lighting



Office Lighting

