

# LED T5 (G5) TUBE EB SERIES



dreamstime.com



# AMRI T5 EB Tube Series Features



- ◆ Direct Replacement.  
Easy of use.  
No need to re-wire the fixture, direct plug-and-play.
- ◆ Compatible with **Electric Ballast(ECG)**.  
LED tube Parameters same the fluorescent lamp.
- ◆ **Work with Electric Ballast**  
**PF>0.95**  
**Free frequency.**  
Without increasing the power consumption.
- ◆ **Energy Efficiency Index(EEI).**  
**HE A+; HO A++**
- ◆ Up to 50,000 hours service life  
with a 5-Year warranty.  
No Electrolytic capacitors Inductance  
On board, can long life 50000hr



# LED Tube Replace fluorescent lamp List



## T5 HE Series **EEI A+**

Length	1449mm	1149mm	849mm	549mm
T5 HE fluorescent lamp	35W	28W	21W	14W
<b>AMRI LED T5 HE Series</b>	<b>21w</b>	<b>18W</b>	<b>13W</b>	<b>9W</b>
<b>Energy-Saving</b>	<b>40%</b>	<b>36%</b>	<b>38%</b>	<b>35%</b>
<b>Energy consumption kWh/1000h</b>	<b>21</b>	<b>18</b>	<b>13</b>	<b>9</b>
<b>CO<sub>2</sub> Abatement(KW)</b>	<b>9.1 kg-CO<sub>2</sub></b>	<b>6.5 kg-CO<sub>2</sub></b>	<b>5.2 kg-CO<sub>2</sub></b>	<b>3.25 kg-CO<sub>2</sub></b>

# LED Tube Replace fluorescent lamp List



## T5 HO Series *EEI A<sup>++</sup>*

Length	1449mm	1449mm	1149mm	849mm	549mm
T5 HO fluorescent lamp	80W	49W	54W	39W	24W
AMRI LED T5 HO Series	28W	24W	24W	18W	12W
Energy-Saving	65%	52%	56%	54%	50%
Energy consumption kWh/1000h	28	24	24	18	12
CO <sub>2</sub> Abatement (KW)	33.8 kg-CO <sub>2</sub>	15.6 kg-CO <sub>2</sub>	19.5 kg-CO <sub>2</sub>	13.65 kg-CO <sub>2</sub>	7.8 kg-CO <sub>2</sub>

Product Name: LED T5 2F EB-HE Tube

Product Model: AM5EB-HE-2FXK-AL

**Note: Suitable HE Electronic Ballast**

**Replace T5(G5) fluorescent lamp 14W**

Item	<u>AM5EB-HE-2FXK-AL</u>
Rated Voltage	In accordance with electric ballast
Rated Current	145~170mA
Rated Power	9W±1W
Fire Protection Class	UL94V-2

- 一、 Packing List: Led T5 2F
- 二、 Replace T5(G5) fluorescent lamp 14W
- 三、 **No modifications of the luminaire which the LED lamp is to be used with are to be made.**
- 四、 The ambient temperature range  $-20\text{ }^{\circ}\text{C} \sim +60\text{ }^{\circ}\text{C}$
- 五、 “This lamp is designed for general lighting service (excluding for example explosive atmospheres).”

# AMRI EB Tube T5 HE 2Foot Speciation

## Optical Parameters

Model No.	Order No.	Color Temperature	Luminance	Lm/W	CRI	Angles	LED Type	Power
<b>LED T5 2F EB Tube</b>	AM5EB-HE-2F30K-AL	3000k	720	80	80	140°	SMD	9W
	AM5EB-HE-2F40K-AL	4000k	765	85	80	140°	SMD	9W
	AM5EB-HE-2F50K-AL	5000k	810	90	80	140°	SMD	9W
	AM5EB-HE-2F60K-AL	6000k	900	100	80	140°	SMD	9W

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Product Name: LED T5 3F EB-HE Tube

Product Model: AM5EB-HE-3FXXK-AL



**Note: Suitable HE Electronic Ballast**

**Replace T5(G5) fluorescent lamp 21W**

Item	<u>AM5EB-HE-3FXXK-AL</u>
Rated Voltage	In accordance with electric ballast
Rated Current	145~170mA
Rated Power	13W±1W
Fire Protection Class	UL94V-2

- 一、 Packing List: Led T5 3F
- 二、 Replace T5(G5) fluorescent lamp 21W
- 三、 **No modifications of the luminaire which the LED lamp is to be used with are to be made.**
- 四、 The ambient temperature range  $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- 五、 “This lamp is designed for general lighting service (excluding for example explosive atmospheres).”

# AMRI EB Tube T5 HE 3Foot Speciation

## Optical Parameters

Model No.	Order No.	Color Temperature	Luminance	Lm/W	CRI	Angles	LED Type	Power
<b>LED T5</b> <b>3F</b> <b>EB Tube</b>	AM5EB-HE-3F30K-AL	3000k	1040	80	80	140°	SMD	13W
	AM5EB-HE-3F40K-AL	4000k	1105	85	80	140°	SMD	13W
	AM5EB-HE-3F50K-AL	5000k	1170	90	80	140°	SMD	13W
		6000k	1300	100	80	140°	SMD	13W
	AM5EB-HE-3F60K-AL							

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Product Name: LED T5 4F EB-HE Tube

Product Model: AM5EB-HE-4FxxK-AL

**Note: Suitable HE Electronic Ballast**

**Replace T5(G5) fluorescent lamp 28W**

Item	AM5EB-HE-4FxxK-AL
Rated Voltage	In accordance with electric ballast
Rated Current	145~170mA
Rated Power	18W±1W
Fire Protection Class	UL94V-2

- 一、 Packing List: Led T5 4F
- 二、 Replace T5(G5) fluorescent lamp 28W
- 三、 **No modifications of the luminaire which the LED lamp is to be used with are to be made.**
- 四、 The ambient temperature range  $-20\text{ }^{\circ}\text{C} \sim +60\text{ }^{\circ}\text{C}$
- 五、 “This lamp is designed for general lighting service (excluding for example explosive atmospheres).”

# AMRI EB Tube T5 HE 4Foot Speciation

## Optical Parameters

Model No.	Order No.	Color Temperature	Luminance	Lm/W	CRI	Angles	LED Type	Power
<b><u>LED T5</u></b> <b><u>4F</u></b> <b><u>EB Tube</u></b>	AM5EB-HE-4F30K-AL	3000k	1500	80	80	140°	SMD	18W
	AM5EB-HE-4F40K-AL	4000k	1550	85	80	140°	SMD	18W
	AM5EB-HE-4F50K-AL	5000k	1620	90	80	140°	SMD	18W
	AM5EB-HE-4F60K-AL	6000k	1800	100	80	140°	SMD	18W

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Product Name: LED T5 5F EB-HE Tube

Product Model: AM5EB-HE-5FxxK-AL

**Note: Suitable HE Electronic Ballast**

**Replace T5(G5) fluorescent lamp 35W**

Item	AM5EB-HE-5FxxK-AL
Rated Voltage	In accordance with electric ballast
Rated Current	145~170mA
Rated Power	21W±1W
Fire Protection Class	UL94V-2

- 一、 Packing List: Led T5 5F
- 二、 Replace T5(G5) fluorescent lamp 35W
- 三、 **No modifications of the luminaire which the LED lamp is to be used with are to be made.**
- 四、 The ambient temperature range  $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- 五、 “This lamp is designed for general lighting service (excluding for example explosive atmospheres).”

# AMRI EB Tube T5 HE 5Feet Speciation



## Optical Parameters

Model No.	Order No.	Color Temperature	Luminance	Lm/W	CRI	Angles	LED Type	Power
<b>LED T5</b> <b>5F</b> <b>EB Tube</b>	AM5EB5F30K-AL	3000k	1850	80	80	140°	SMD	21W
	AM5EB5F35K-AL	3500k	1850	80	80	140°	SMD	21W
	AM5EB5F40K-AL	4000k	1950	85	80	140°	SMD	21W
	AM5EB5F50K-AL	5000k	1620	90	80	140°	SMD	21W
	AM5EB5F57K-AL	5700k	2070	95	80	140°	SMD	21W
	AM5EB5F65K-AL	6500k	2300	100	80	140°	SMD	21W

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Product Name: LED T5 2F EB-HO Tube

Product Model: AM5EB-HO-A2FXXK-AL

**Note: Suitable HO Electronic Ballast**

**Replace T5(G5) fluorescent lamp 24W**

Item	<u>AM5EB-HO-A2FXXK-AL</u>
Rated Voltage	In accordance with electric ballast
Rated Current	260~300mA
Rated Power	12W±1W
Fire Protection Class	UL94V-2

- 一、 Packing List: Led T5 2F
- 二、 Replace T5(G5) fluorescent lamp 24W
- 三、 **No modifications of the luminaire which the LED lamp is to be used with are to be made.**
- 四、 The ambient temperature range  $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- 五、 “This lamp is designed for general lighting service (excluding for example explosive atmospheres).”

# AMRI EB Tube T5 HO 2Foot Speciation

## Optical Parameters

Model No.	Order No.	Color Temperature	Luminance	Lm/W	CRI	Angles	LED Type	Power
<b>LED T5 2F EB HO Tube</b>	AM5EB-HO-2F30K-AL	3000k	1200	100	80	140°	SMD	12W
	AM5EB-HO-2F40K-AL	4000k	1320	110	80	140°	SMD	12W
	AM5EB-HO-2F50K-AL	5000k	1440	120	80	140°	SMD	12W
	AM5EB-HO-2F60K-AL	6000k	1560	130	80	140°	SMD	12W

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Product Name: LED T5 3F EB-HO Tube

Product Model: AM5EB-HO-A3FXXK-AL



**Note: Suitable HO Electronic Ballast**

**Replace T5(G5) fluorescent lamp 39W**

Item	<u>AM5EB-HO-3FXXK-AL</u>
Rated Voltage	In accordance with electric ballast
Rated Current	300~340mA
Rated Power	18W±1W
Fire Protection Class	UL94V-2

- 一、 Packing List: Led T5 3F
- 二、 Replace T5(G5) fluorescent lamp 39W
- 三、 **No modifications of the luminaire which the LED lamp is to be used with are to be made.**
- 四、 The ambient temperature range  $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- 五、 “This lamp is designed for general lighting service (excluding for example explosive atmospheres).”

# AMRI EB Tube T5 HO 3Foot Speciation



## Optical Parameters

Model No.	Order No.	Color Temperature	Luminance	Lm/W	CRI	Angles	LED Type	Power
<b>LED T5</b> <b>3F</b> <b>EB</b> <b>HO Tube</b>	AM5EB-HO-A3F30K-AL	3000k	1800	100	80	140°	SMD	18W
	AM5EB-HO-A3F40K-AL	4000k	1980	110	80	140°	SMD	18W
	AM5EB-HO-A3F50K-AL	5000k	2160	120	80	140°	SMD	18W
	AM5EB-HO-A3F60K-AL	6000k	2340	130	80	140°	SMD	18W

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Product Name: LED T5 4F EB-HO Tube

Product Model: AM5EB-HO-4FXXK-AL



**Note: Suitable HO Electronic Ballast**

**Replace T5(G5) fluorescent lamp 54W**

Item	<u>AM5EB-HO-4FXXK-AL</u>
Rated Voltage	In accordance with electric ballast
Rated Current	420~460mA
Rated Power	24W±1W
Fire Protection Class	UL94V-2

- 一、 Packing List: Led T5 4F
- 二、 Replace T5(G5) fluorescent lamp 54W
- 三、 **No modifications of the luminaire which the LED lamp is to be used with are to be made.**
- 四、 The ambient temperature range  $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- 五、 “This lamp is designed for general lighting service (excluding for example explosive atmospheres).”

# AMRI EB Tube T5 HO 4FOOt Speciation

## Optical Parameters

Model No.	Order No.	Color Temperature	Luminance	Lm/W	CRI	Angles	LED Type	Power
<b>LED T5</b> <b>4F</b> <b>EB</b> <b>HO Tube</b>	AM5EB-HO-4F30K-AL	3000k	2400	100	80	140°	SMD	24W
	AM5EB-HO-4F40K-AL	4000k	2640	110	80	140°	SMD	24W
	AM5EB-HO-4F50K-AL	5000k	2880	120	80	140°	SMD	24W
	AM5EB-HO-4F60K-AL	6000k	3120	130	80	140°	SMD	24W

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Product Name: LED T5 5F EB-HOTube

Product Model: AM5EB-HO-5FxxK-AL

**Note: Suitable HO Electronic Ballast**

**Replace T5(G5) fluorescent lamp 49W**

Item	AM5EB-HO-5FxxK-AL
Rated Voltage	In accordance with electric ballast
Rated Current	500~540mA
Rated Power	24W±1W
Fire Protection Class	UL94V-2

- 一、 Packing List: Led T5 5F
- 二、 Replace T5(G5) fluorescent lamp 49W
- 三、 **No modifications of the luminaire which the LED lamp is to be used with are to be made.**
- 四、 The ambient temperature range  $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- 五、 “This lamp is designed for general lighting service (excluding for example explosive atmospheres).”

# AMRI EB Tube T5 HO 5Foot Speciation



## Optical Parameters

Model No.	Order No.	Color Temperature	Luminance	Lm/W	CRI	Angles	LED Type	Power
LED T5 5F EB HO Tube	AM5EB-HO-5F30K-AL	3000k	1920	80	80	140°	SMD	24W
	AM5EB-HO-5F40K-AL	4000k	2160	90	80	140°	SMD	24W
	AM5EB-HO-5F50K-AL	5000k	2400	100	80	140°	SMD	24W
	AM5EB-HO-5F60K-AL	6000k	2640	110	80	140°	SMD	24W

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Product Name: LED T5 5F EB-HOTube

Product Model: AM5EB-HO-5FxxK-AL

**Note: Suitable HO Electronic Ballast**

**Replace T5(G5) fluorescent lamp 80W**

Item	AM5EB-HO-5FxxK-AL
Rated Voltage	In accordance with electric ballast
Rated Current	500~540mA
Rated Power	28W±1W
Fire Protection Class	UL94V-2

- 一、 Packing List: Led T5 5F
- 二、 Replace T5(G5) fluorescent lamp 80W
- 三、 **No modifications of the luminaire which the LED lamp is to be used with are to be made.**
- 四、 The ambient temperature range  $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- 五、 “This lamp is designed for general lighting service (excluding for example explosive atmospheres).”

# AMRI EB Tube T5 HO 5Foot Speciation



## Optical Parameters

Model No.	Order No.	Color Temperature	Luminance	Lm/W	CRI	Angles	LED Type	Power
LED T5 5F EB HO Tube	AM5EB-HO-5F30K-AL	3000k	2800	100	80	140°	SMD	28W
	AM5EB-HO-5F40K-AL	4000k	3080	110	80	140°	SMD	28W
	AM5EB-HO-5F50K-AL	5000k	3360	120	80	140°	SMD	28W
	AM5EB-HO-5F60K-AL	6000k	3640	130	80	140°	SMD	28W

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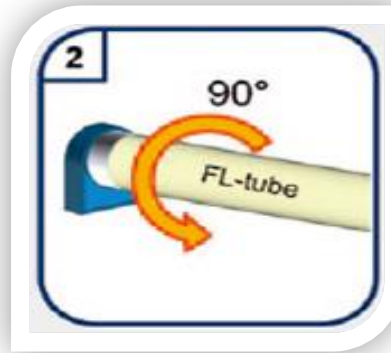


# Graphical instruction

Schematic steps of removing a fluorescent lamp and inserting LED lamp



Switch off electricity.



Secure the position by turning the lamp by 90° .



Remove the conventional lamp.



Insert the LED lamp into the lamp holder.



Secure the position by turning the lamp by 90° .



Switch on electricity and check for lamp starting.

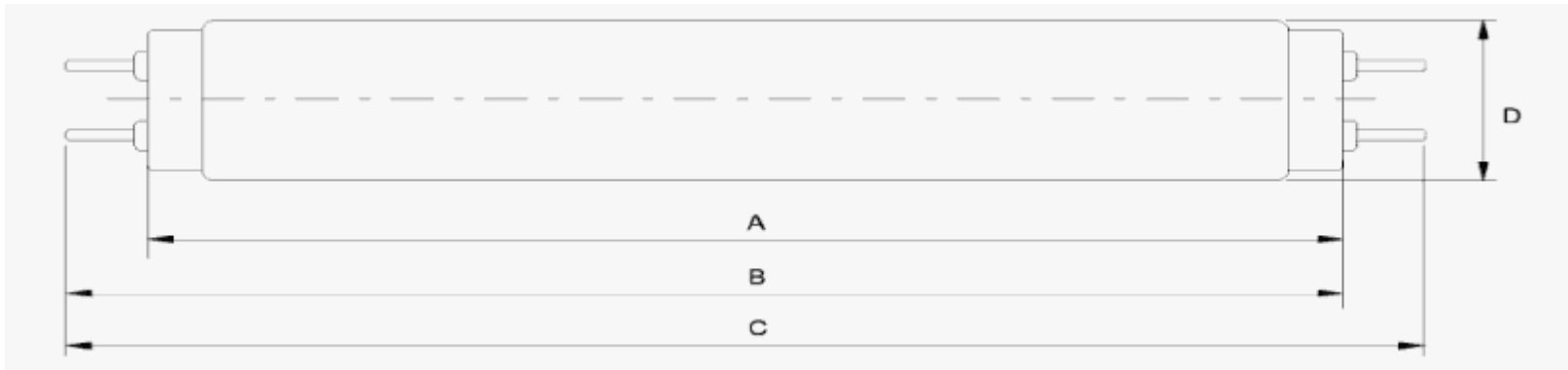


## Package

Product Name	(PC/SCTN)	(G.W.)	(mm)
T8 2ft	30 PCS	6.5 KG	L640 * W260 *H230
T8 4ft	30 PCS	11.5 KG	L1240 * W260 *H230
T8 5ft	30 PCS	9 KG	L1545 * W210 *H185
T5 2 ft	50 PCS	5.5 KG	L580 * W220 *H210
T5 3ft	50 PCS	8.5 KG	L885 * W215 *H215
T5 4ft	50 PCS	10.5 KG	L1180 * W220 * H130
T5 5ft	50 PCS	14 KG	L1485 * W215 * H215



# Mechanical Parameters



## G5----T5

	A	B		C	D
	Max.	Min.	Max.	Max.	Max.
<b>T5-550</b>	549.0	553.7	556.1	563.2	17.0
<b>T5-850</b>	849.0	853.7	856.1	863.2	17.0
<b>T5-1150</b>	1149.0	1153.7	1156.1	1163.2	17.0
<b>T5-1450</b>	1449.0	1453.7	1456.1	1463.2	17.0

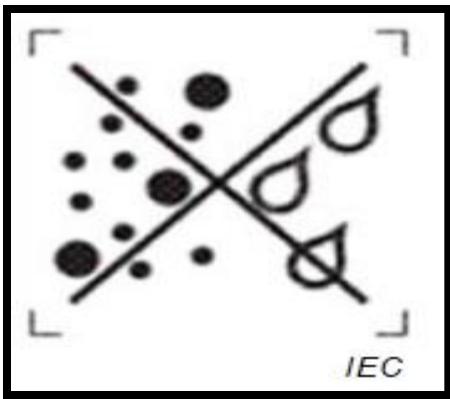
Note:



**Lamp suitable for  
Electronic Ballast**



**Lamp not suitable for emergency  
operation**



**Lamp to be used in dry conditions  
or in a luminaire that provides  
protection**



**Dimming not allowed**

# LED T8/T5 TUBE EB SERIES

## Application

Supermarket



Hospital



Office



School



Factory



Public transit

