

ARUNA HORTICULTURE LIGHTING

www.arunalighting.com



Light Emitting Diode
230V tube family

Drop-in compatible with any ballast
Universal voltage 100 - 240 volt
High efficacy / Low operating cost
Long life LED chips
Easy replacement with standard T8
No need to modify fixture

Application areas:

- Office lighting
- Pathway lighting
- Power factor >0.9

Product data

Physical Data/ Requirements

Length (mm) / Diameter (mm)	
10 W	588 / 26
14 W	893 / 26
18 W	1198 / 26
21 W	1198 / 26
23 W	1498 / 26
27 W	1498 / 26

Integrity Protection	IP22
Lamp socket	G13
Material	Aluminum base PC cover

Performance Data

Light Output (lumens +/- 5%)	
10 W	1000
14 W	1400
18 W	1800
21 W	2100
23 W	2300
27 W	2700

Rated Life (hrs.)	30000
Color Temperature (K)	3000K – 6000K
Color Rendering Index (CRI)	>80
Beam Angle (°)	120
To 90% Warm Up Time (min)	0
Hot Restart Time (min)	0

Electrical Data/ Requirements

Lamp Wattage (W)	10W – 27W
Operating Voltage (V)	100 – 240V / 50-60Hz
Dimmable	no
Ballast	Electronic Compatible with any electronic ballast
Power factor	> 0.9

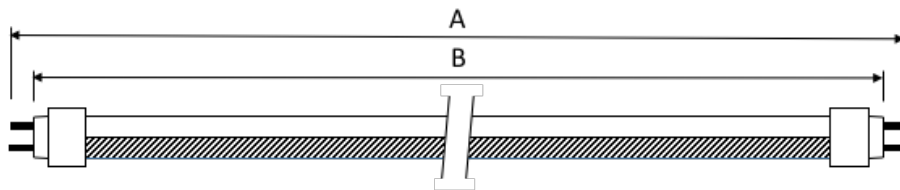
Order Information

Pcs/package	-		
Pcs/Box	25		
Name Description			
10 W / 3000K	LED/TB6/10W/230V/830/EL	21 W / 3000K	LED/TB12/21W/230V/830/EL
10 W / 4000K	LED/TB6/10W/230V/840/EL	21 W / 4000K	LED/TB12/21W/230V/840/EL
10 W / 5000K	LED/TB6/10W/230V/850/EL	21 W / 5000K	LED/TB12/21W/230V/850/EL
10 W / 6000K	LED/TB6/10W/230V/860/EL	21 W / 6000K	LED/TB12/21W/230V/860/EL
14 W / 3000K	LED/TB9/14W/230V/830/EL	23 W / 3000K	LED/TB15/23W/230V/830/EL
14 W / 4000K	LED/TB9/14W/230V/840/EL	23 W / 4000K	LED/TB15/23W/230V/840/EL
14 W / 5000K	LED/TB9/14W/230V/850/EL	23 W / 5000K	LED/TB15/23W/230V/850/EL
14 W / 6000K	LED/TB9/14W/230V/860/EL	23 W / 6000K	LED/TB15/23W/230V/860/EL
18 W / 3000K	LED/TB12/18W/230V/830/EL	27 W / 3000K	LED/TB15/27W/230V/830/EL
18 W / 4000K	LED/TB12/18W/230V/840/EL	27 W / 4000K	LED/TB15/27W/230V/840/EL
18 W / 5000K	LED/TB12/18W/230V/850/EL	27 W / 5000K	LED/TB15/27W/230V/850/EL
18 W / 6000K	LED/TB12/18W/230V/860/EL	27 W / 6000K	LED/TB15/27W/230V/860/EL

Environmental parameters

Mercury content 0 mg

Line Drawing



600 mm	A = 602mm	B = 588 mm
900 mm	A = 908 mm	B = 893 mm
1200 mm	A = 1212 mm	B = 1198 mm
1500 mm	A = 1512 mm	B = 1498 mm

Safety instructions

A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, remove parts, preferably wearing gloves. Seal the parts and take it to your local waste facilities for proper recycling. Do not use a vacuum cleaner.

1. Do not operate lamps in excess of rated voltages of the ballast as this will increase lamp pressure and the possibility of shattering.
2. This lamp must be used only with proper circuit and auxiliary equipment.
3. Failure to comply may result in poor lamp performance and possible personal injury or property damages for which the manufacturer will not be held responsible.
4. Do not scratch the surface of the lamp or subject this lamp to undue pressure as either may cause the lamp to break. Replace scratched, cracked, broken or damaged lamps immediately.
5. Do not touch hot lamps with fingers, skin or any flammable material. Lamps remain hot after being turned off.
6. When operating this lamp, the base temperature should not exceed the recommended ambient temperature limit, for this lamp is -30 °C minimum and +45 °C maximum.
7. Do not use this lamp in a damp environment. Use an adequate fixture to protect from moisture.
8. Do not use this lamp in a location subject to vibration or shock, unless an adequate vibration-proof fixture is used.
9. Do not use this lamp in a corrosive atmosphere.
10. Replace lamp at or before the end of its rated life.
11. Do not look directly at the lamp during operation to avoid eye inflammation. Use eye protection and gloves when handling this lamp.
12. Do not paint the lamp to prevent its overheating or breakage.
13. Do not use this lamp in an ignitable atmosphere (for example gasoline, inflammable spray, thinner, lacquer, dust, etc.) to prevent a fire or explosion.
14. Do not use this lamp in a powdery or dusty atmosphere in order to eliminate the overheating of the lamp.
15. Follow all instructions in the manufacture's catalog or on the individual box of instruction sheet.