

The Light You Can Trust



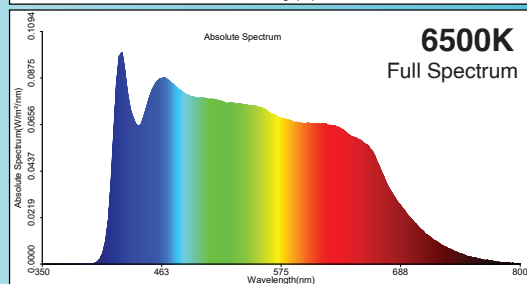
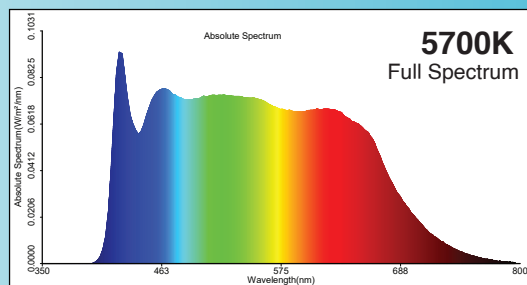
@wipintertrade



Official Website

Patent : 21507
Patent : 94193

Spectrum



LED Linear T8 Tube Light for Color Matching

FEATURES

- Available in 5700K or 6500K to truly simulate natural sunlight or daylight
- 98+ CRI and R9 > 95
- 4-ft length; T8 shape with G13 bi-pin
- 2200 lumens to replace 40W fluorescent
- Better perspective with linear lens extrusion PMMA
- No mercury, instant-on
- No IR or UV
- 50K hour lifetime and 2-years warranty
- Flicker free
- For indoor use only



Products of Thailand

Eff. Date 8/10/24
Rev.1

LED Linear T8 Tube Light for Color Matching



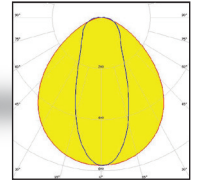
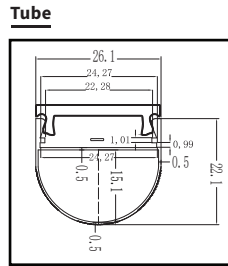
LED Linear T8 Tube Light for Art & Studio

WIP LED lamps are now available in a 4-ft T8 tube form factor. Featuring 98+ CRI and 5700K or 6500K, Flicker Free, the light output is extremely similar to natural sunlight / daylight, making these lamps a perfect enhancement to your art studio or work space.

Our T8 tubes are configured to work as a retrofit in virtually any existing 4-ft T8 fluorescent fixture, making installation quick and easy. No ballast rewiring is necessary - simply remove the fluorescent lamp and install the Hi Led LED lamp.

FEATURES

- Available in 5700K or 6500K to truly simulate natural sunlight or daylight
- 98+ CRI and R9 > 95
- 4-ft length; T8 shape with G13 bi-pin
- 2200 lumens to replace 40W fluorescent
- Better perspective with linear lens extrusion PMMA
- No mercury, instant-on
- No IR or UV
- 50K hour lifetime and 2-years warranty
- Flicker free
- For indoor use only



~ 40° + 100° Oval Beam



PHOTOMETRIC SPECIFICATIONS

Power	20W	10W	20W	10W
Light output :	2200 lumens	1100 lumens	CRI Ra :	98+
Luminous efficacy :	110 lm/W	110 lm/W	CRI R9 :	95+
Light distribution :	~ 70° + 100° beam	~ 70° + 100° beam		
LED Lifetime (L70) :	50,000 hours	50,000 hours		

ELECTRICAL SPECIFICATIONS

Lamp base :	G13 Bi-pin
Power :	20W 10W
Input voltage :	100 - 250 VAC / 24 VDC
Input frequency :	50 - 60 Hz.
Power factor :	>0.95
Flicker Free :	Yes

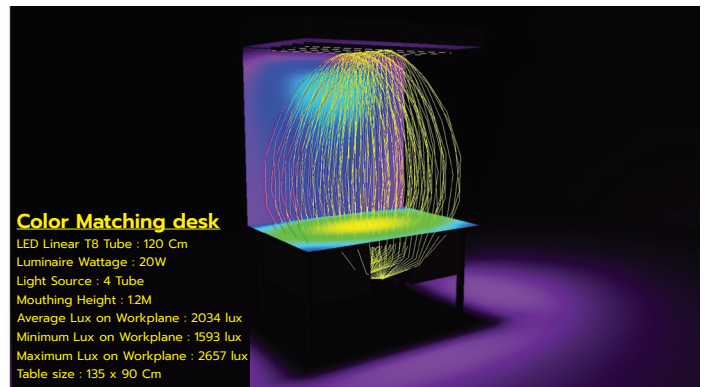
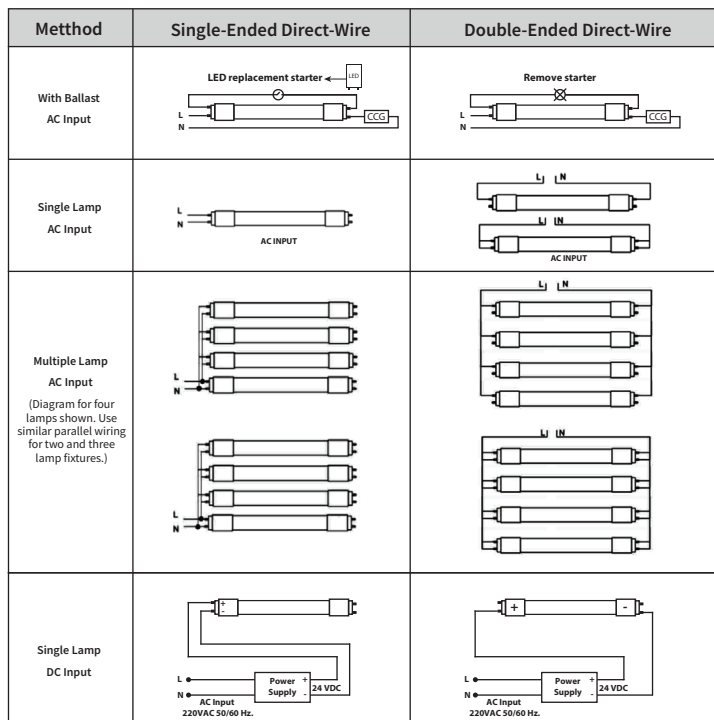
MECHANICAL SPECIFICATIONS

	20W	10W
Length :	47.25 in (1200 mm.)	23.62 in (600 mm.)
Diameter :	1.1 in (28 mm.)	1.1 in (28.8 mm.)
Lens material :	PMMA	PMMA

INSTALLATION INSTRUCTIONS

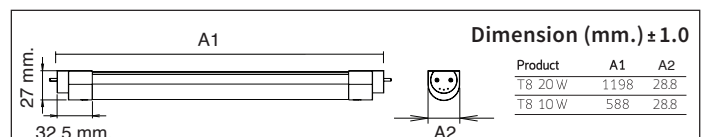
Unlike incandescent and halogen lamps, fluorescent bulbs require a separate device called a ballast to operate. Most fluorescent fixtures have a ballast device installed inside. Some fluorescent fixtures which already have been retrofitted with LED lamps may already have the ballast removed or bypassed.

Our T8 LED lamps are designed to be plug-and-play ready with 3-in-1 compatibility. This means that our lamps will work in any T8 fluorescent fixture, regardless of whether or not the fixture has been rewired for LED compatibility. The three installation methods are shown below:



Model	Part No.	Power	Input	TC
W-ILL 10	T8D57-102A	10W	100-250VAC	5700K
W-ILL 20	T8D57-202A	20W	100-250VAC	5700K
W-ILL 10	T8D65-102A	10W	100-250VAC	6500K
W-ILL 20	T8D65-202A	20W	100-250VAC	6500K
W-ILL 10	T8D57-102D	10W	24VDC	5700K
W-ILL 20	T8D57-202D	20W	24VDC	5700K
W-ILL 10	T8D65-102D	10W	24VDC	6500K
W-ILL 20	T8D65-202D	20W	24VDC	6500K

International Electrotechnical Commission - IEC	
IEC 55015	: Radio disturbance characteristics
IEC 60529	: Ingress Protection
IEC 61000-4-5	: Surge Protection



Spectrum Test Report

Sample Info.:

Name:WIP Linear T8 F16749 20W 5700K CRI98

Type:S-1

SN:001

Manu:W.I.P. ELECTRIC CO., LTD.

Date:2024-10-07

Tester:Chanchai Chimwai

TMP:25.3 DEG

Humidity:65 %RH

Remark:WIP Linear T8 F16749 20W 5700K CRI98

Meter state:

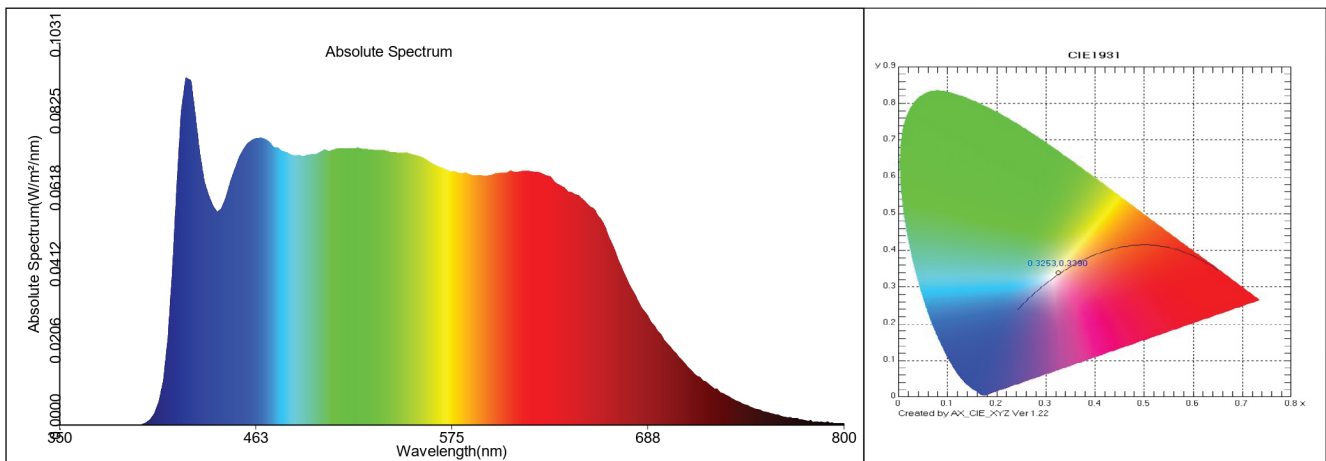
Test Meter: PLA-20

Sensitivity: High

Integral T: 444 ms

PeakAD Ip: 44900.5

Average times: 1



Test parameter:

E= 5667.6 lx

E(fc)=526.727 fc

CIE x= 0.3253

CIE y= 0.3390

CIE u'=0.2028

CIE v'=0.4754

Tc=5823 K

Lp=423.0 nm

HW=253.3 nm

Ld=501.1 nm

Pur=2.5 %

Ratio_R=16.5 %

Ratio_G=76.6 %

Ratio_B=6.9 %

Duv=0.00219

Ra=98.9

R1=100

R2=100

R3= 99

R4= 98

R5= 99

R6= 99

R7= 99

R8= 98

R9= 95

R10= 99

R11= 98

R12= 95

R13=100

R14= 99

R15= 99

SDCM= 7.8(F6500)

White Class:C78.377_5700K

E1(400-700nm)=20.756 W/m²

E2(380-780nm)=21.433 W/m²

Ech-A=3.7981 W/m²

Ech-B=4.0963 W/m²

Ef=0.63848 W/m²

Eb=6.9769 W/m²

Ey=7.8889 W/m²

Er=5.9054 W/m²

Ep=17.422 Wphyto/m²

Erb_Ratio=0.84641

PPFDf=3.8713E+000 µmol/(m²·s)

PPFD=94.384 µmol/(m²·s)

Spectrum Test Report

Sample Info.:

Name:WIP Linear T8 F16749 20W 6500K CRI98

Type:S-1

SN:001

Manu:W.I.P. ELECTRIC CO., LTD.

Date:2024-10-07

Tester:Chanchai Chimwai

TMP:25.3 DEG

Humidity:65 %RH

Remark:WIP Linear T8 F16749 20W 6500K CRI98

Meter state:

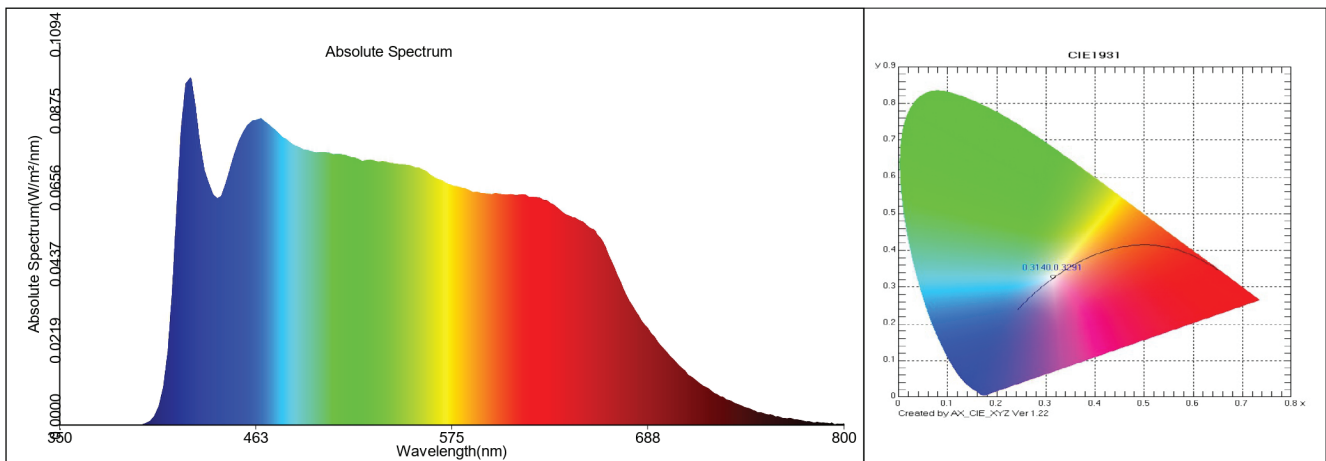
Test Meter: PLA-20

Sensitivity: High

Integral T: 430 ms

PeakAD Ip: 46062.2

Average times: 1



Test parameter:

E= 5723.6 lx

E(fc)=531.932 fc

CIE x= 0.3140

CIE y= 0.3291

CIE u'=0.1987

CIE v'=0.4686

Tc=6432 K

Lp=425.0 nm

HW=247.9 nm

Ld=488.9 nm

Pur=6.8 %

Ratio_R=15.7 %

Ratio_G=76.8 %

Ratio_B=7.5 %

Duv=0.00259

Ra=99.2

R1=100

R2=100

R3=100

R4=100

R5= 99

R6= 99

R7= 99

R8= 98

R9= 95

R10=100

R11= 99

R12= 97

R13=100

R14=100

R15= 99

SDCM= 4.3(F6500)

White Class:C78.377_6500K

E1(400-700nm)=21.242 W/m²

E2(380-780nm)=21.868 W/m²

Ech-A=3.8155 W/m²

Ech-B=4.346 W/m²

Ef=0.59152 W/m²

Eb=7.6234 W/m²

Ey=8.0016 W/m²

Er=5.6333 W/m²

Ep=17.711 Wphyto/m²

Erb_Ratio=0.73896

PPFDf=3.5859E+000 µmol/(m²·s)

PPFD=95.895 µmol/(m²·s)