The Light You Can Trust



@wipintertrade

Official Website

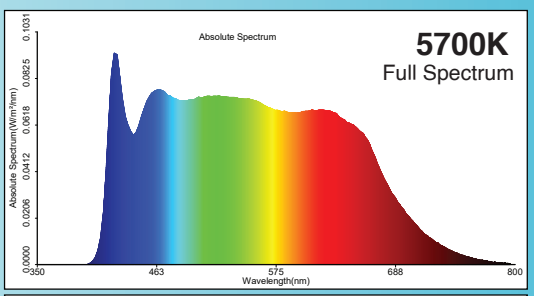
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Patent : 94193

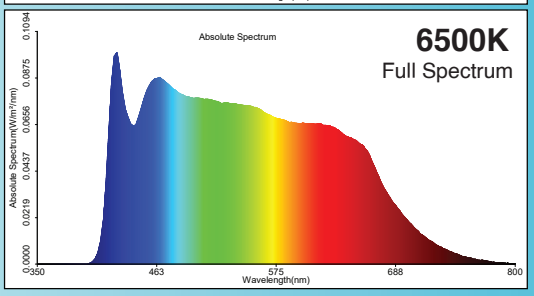
LED Linear Light High CRI

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 1-year warranty
- Flicker free
- For indoor use only

Spectrum











Made in Thailand RoHS Green Industry TIS.1955-2551 TIS.2779-2562 Products of Thailand

Eff. Date 15/06/26
Rev.3

LED Linear Light High CRI

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.

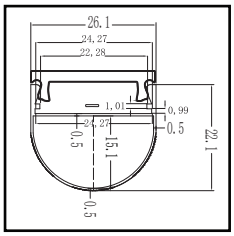


~ 70° + 100° Beam

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Tube



TIS.1955-2551
TIS.2779-2562

HIGH CRI • HIGH CRI • HIGH CRI • HIGH CRI
98+

FLICKER FREE

LED

PHOTOMETRIC SPECIFICATIONS

Power	20W	10W		20W	10W
Light output :	2200 lumens	1100 lumens	CRI Ra :	98+	98+
Luminous efficacy :	110 lm/W	110 lm/W	CRI R9 :	95+	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	

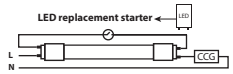
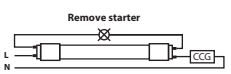
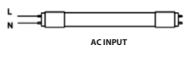
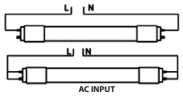
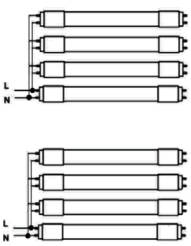
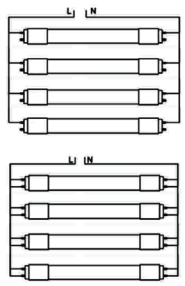
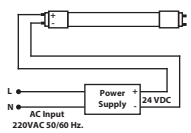
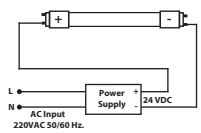
MECHANICAL SPECIFICATIONS

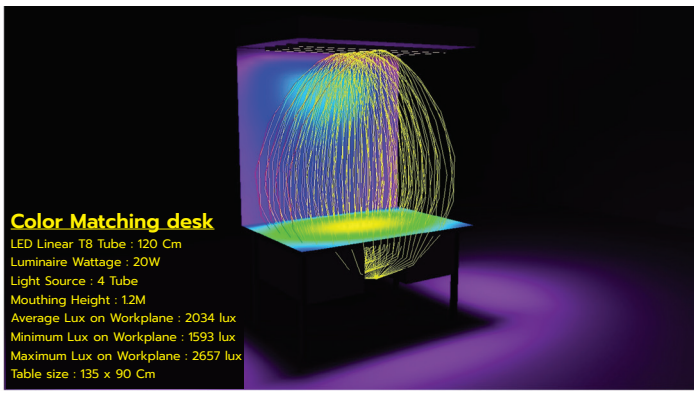
	20W	10W
Lenght :	47.25 in (1200 mm.)	23.62 in (600 mm.)
Diameter :	1.1 in (28 mm.)	1.1 in (28.8 mm.)
Lens meterial :	PMMA	PMMA

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.

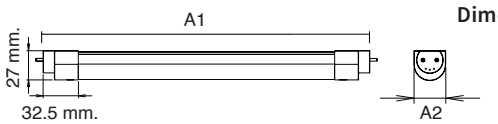
Our T8 LED lamps are designed to be plug-and-play ready with 3-in-1 compatibility. This means that our lamps will work in any T8 fluorescent fixture, regardless of whether or not the fixture has been rewired for LED compatibility. The three installation methods are shown below:

Metthod	Single-Ended Direct-Wire	Double-Ended Direct-Wire
With Ballast AC Input		
Single Lamp AC Input		
Multiple Lamp AC Input (Diagram for four lamps shown. Use similar parallel wiring for two and three lamp fixtures.)		
Single Lamp DC Input		



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



Dimension (mm.) ± 1.0

Product	A1	A2
T8 20W	1198	28.8
T8 10W	588	28.8

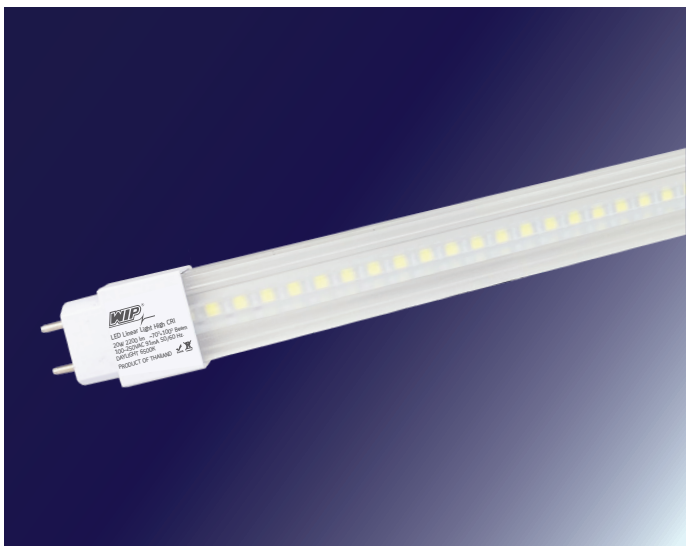
LED Linear Light High CRI

คำแนะนำในการติดตั้ง

หลอดประหยัดพลังงานคุณภาพสูง การติดตั้งที่เหมาะสมควรใส่ในโคมแบบที่มีฝาครอบแสง (Diffuse) เพื่อป้องกันแสงจ้า (Anti Glare) ให้แสงที่ไม่รบกวนสายตา และถนอมสายตาโดยเฉพาะ เมื่อต้องใช้สายตาเป็นเวลานานในการทำงานอ่านหนังสือ ใช้งานคอมพิวเตอร์ เหมาะกับ โรงพยาบาล สำนักงาน ห้องสมุด ห้องเรียน







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

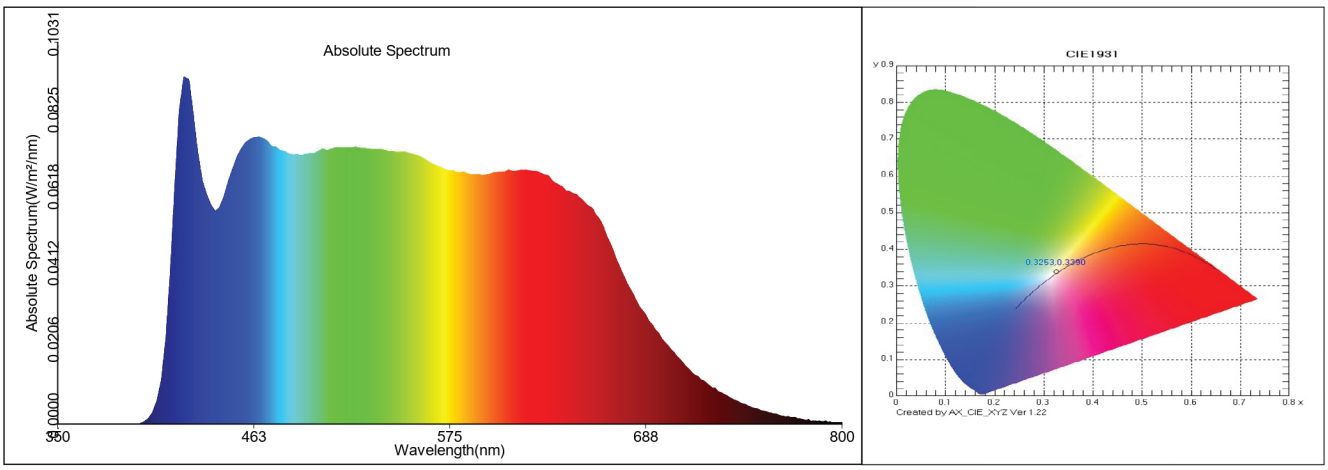
Humidity:65 %RH

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

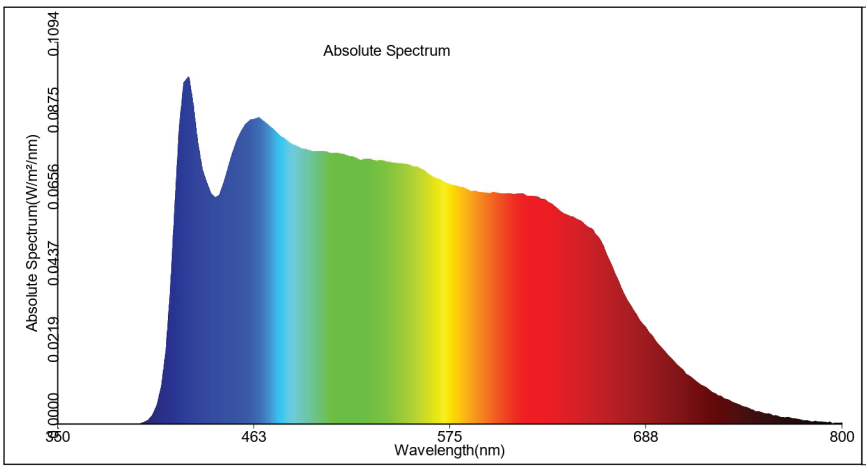
Humidity:65 %RH

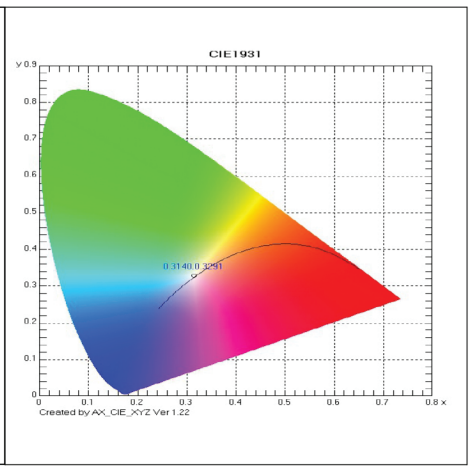
Remark:WIP Linear T8 F16749 20W 6500K CRI98

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)