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ISO 9001:2015

OTSEN UK
A BRAND FROM UNITED KINGDOM

LED
T8 GLASS TUBE ROD

OTSEN LED T8 GLASS TUBE TUBE ROD

The OTSEN GLASS TUBE LIGHT is available in configurations, offering exceptional performance with a Color Rendering Index (CRI) exceeding 80, ensuring superior color accuracy and vibrancy. Designed with high color purity, these tube lights deliver natural and true-to-life illumination, making them ideal for environments requiring optimal light quality. With an impressive efficacy of 110 lumens per watt, they provide bright, energy-efficient lighting. The easy-to-install double-ended wiring system ensures a straightforward and secure setup. These features, combined with reliable performance and durability, make OTSEN GLASS TUBE LIGHTS a superior lighting solution for both commercial and residential applications.

Application Areas

- Train Station
- Office
- Underground Subway
- Supermarket, Retail Store
- Parking lot
- Warehouse

30W | IP20 | FlickerFree | 110 lm/W | PF 0.90 | [°C] 0~45 | 30000 Hours Lifespan | CE | AC220-240V

OTSEN UK PVT LTD, Office : 8175 E6 2JA
182-184 High Street, North East Ham, London
United Kingdom. Tel : +44 7378 461404

Product Features

- High Quality & Performance
- Built in Driver, Mercury Free
- No UV & IR, Zero UV Emission
- 80% Energy Saving Environmentally Safe
- Less Heat Produced
- Very clean appearance design, provide a nice look.
- High lumen efficiency reach up to 110Lm/W.
- Provide uniform light distribution , the light is soft and comfortable .
- 220-240V input, PF>0.90, it's a flicker free product.
- 30,000 Hours
- Beam angle 280°

Product & Information

Product Data	Model Number	OT-LS-T8
	Model Name	OTSEN LED T8 GLASS TUBE ROD
	Wattage	12W, 24W, 32W
	Product Style	Glass Tube Rod
	Input Wattage	AC 164-265V
	Luminous	110 Lumen/Watt
Technical Data	Color Temperature	3000K, 4000K, 6500K & 7000K
	Color Rendering Index	Ra>80
	Safty Class	Class I
	Power Factor	0.90
	Beam Angle	280°
	Type of Protection	IP20
	Life span	30000 hrs.
	Energy efficiency	A+
	Dimmeable	No
	Base	G13
	Finishing Colour	White

Wattage and Lumens

Item No.	Size (mm)	Lumens	Wattage	Voltage	CCT	CRI
OT-LS-T812-12W	602×Φ28	1320LM	12W	164-265V	2700-7000K	≥80
OT-LS-T812-24W	1212×Φ28	2640LM	24W	164-265V	2700-7000K	≥80
OT-LS-T812-32W	1212×Φ28	3520LM	32W	164-265V	2700-7000K	≥80
OT-LS-T815-32W	1512×Φ28	3520LM	32W	164-265V	2700-7000K	≥80

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OT-LS-T812-12W

Lightsource Test Report

Product Infomation

Product Category: OTSEN
Product Type: 12W
Product Spec: 0.6
Product Number: 3
Manufacturer:
Submitted Unit:
Buyer:

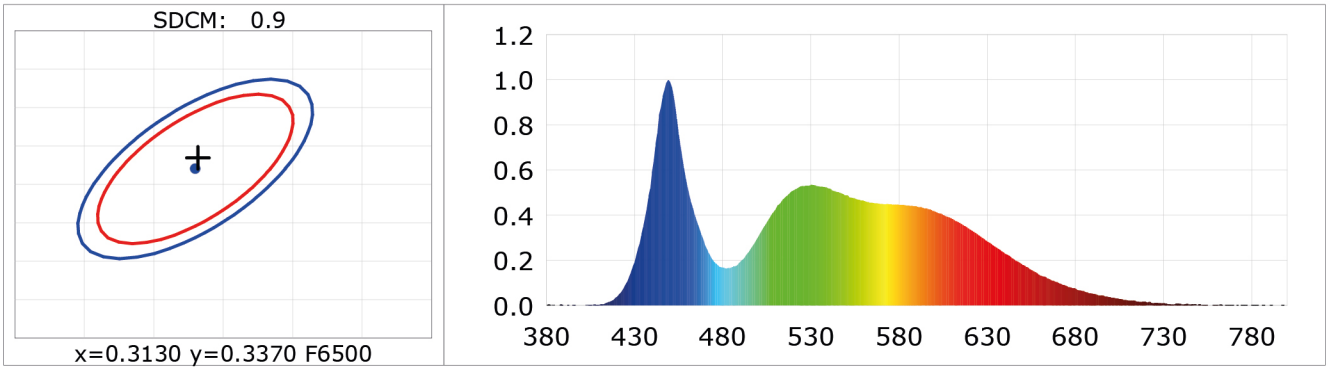
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3132 y=0.3384 u(u')=0.1947 v=0.3156 v'=0.4734
CCT: Tc=6414K (duv=0.00771)
Color Ratio: R=0.132 G=0.823 B=0.045
Peak Wavelength: 449.2nm
Half Bandwidth: 22.4nm
Dominant Wavelength: 505.5nm
Color Purity: 0.065
CRI: Ra= 80.5
TM30: Rf= 82, Rg= 96
GAI: GAI_BB_8=90.2, GAI_BB_15=95.0, GAI_EES=87.7

R1 =79	R2 =82	R3 =85	R4 =82	R5 =80	R6 =78	R7 =87	R8 =70
R9 =1	R10=59	R11=82	R12=54	R13=80	R14=92	R15=74	

Color Quality Scale: Qa= 81.5, Qf= 80.9, Qp= 82.9, Qg= 92.9

Q1 =85	Q2 =96	Q3 =75	Q4 =74	Q5 =81	Q6 =83	Q7 =85	Q8 =91
Q9 =94	Q10=83	Q11=82	Q12=83	Q13=84	Q14=70	Q15=76	



Photometric Parameters

Luminous Flux: 1220.2 lm
Efficiency: 108.95 lm/W
Radiant Power: 3.803 W
EEI: 0.12
Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 218.90V
Current: 0.0890A
Power: 11.20W
Power Factor: 0.5720
Frequency: 50.00Hz

Test Infomation

Scan Range: 380~800:1nm
Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 Sec ALC.: 1.0000
Photometric Condition: Sphere diameter: 1.50m, 4π
Max of Signal: 45639 (3701)
CCD Integration Time: 877.76 ms

OT-LS-T812-24W

Lightsource Test Report

Product Infomation

Product Category: OTSEN
Product Type: 24W
Product Spec: 1.2
Product Number: 2
Manufacturer:

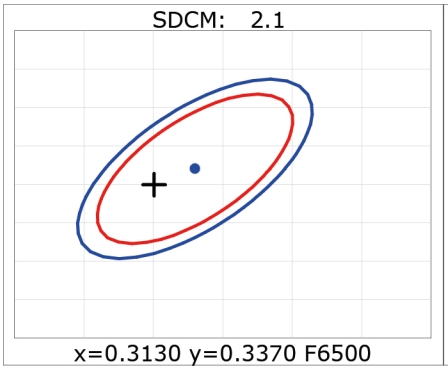
CIE Colorimetric Parameters

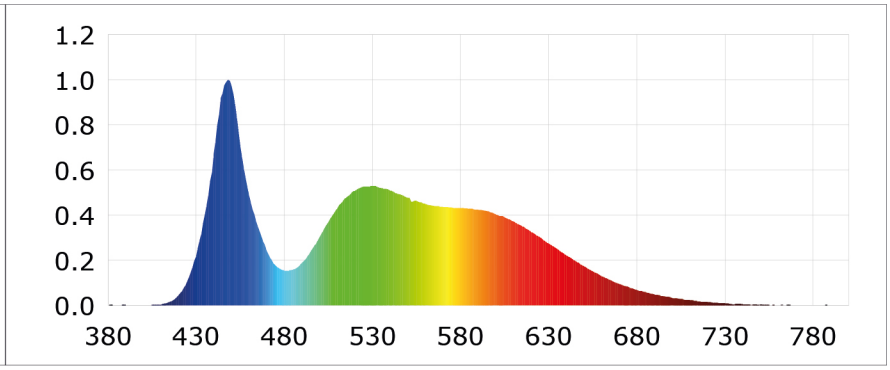
Chromaticity coordinates: x=0.3101 y=0.3349 u(u')=0.1938 v=0.3140 v'=0.4711
CCT: Tc=6600K (duv=0.00752)
Color Ratio: R=0.130 G=0.825 B=0.045
Peak Wavelength: 448.2nm
Half Bandwidth: 22.6nm
Dominant Wavelength: 492.6nm
Color Purity: 0.078
CRI: Ra= 80.2
TM30: Rf= 81, Rg= 97
GAI: GAI_BB_8=90.9, GAI_BB_15=95.3, GAI_EES=89.0

R1 =80	R2 =82	R3 =84	R4 =82	R5 =80	R6 =77	R7 =86	R8 =71
R9 =1	R10=57	R11=82	R12=55	R13=80	R14=91	R15=74	

Color Quality Scale: Qa= 81.5, Qf= 80.8, Qp= 83.3, Qg= 93.4

Q1 =85	Q2 =96	Q3 =75	Q4 =74	Q5 =82	Q6 =83	Q7 =85	Q8 =91
Q9 =93	Q10=82	Q11=82	Q12=83	Q13=84	Q14=70	Q15=76	





Photometric Parameters

Luminous Flux: 2623.1 lm
Efficiency: 105.35 lm/W
Radiant Power: 8.223 W
EEI: 0.13
Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 220.10V
Current: 0.1930A
Power: 24.90W
Power Factor: 0.6000
Frequency: 50.00Hz

Test Infomation
Scan Range: 380~800:1nm
Stabilization Time: 0 Sec ALC.: 1.0000
Max of Signal: 45198 (2923)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.50m, 4∏
CCD Integration Time: 394.04 ms

OT-LS-T812-32W

Lightsource Test Report

Product Infomation

Product Category: OTSEN
Product Type: 32W
Product Spec: 1.2
Product Number: 1
Manufacturer:

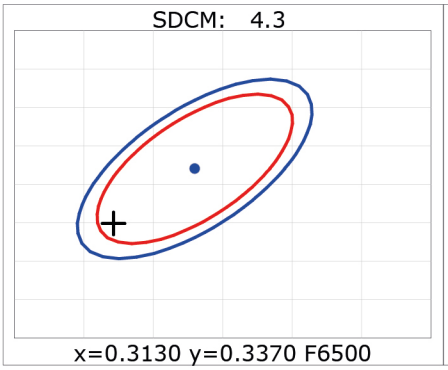
CIE Colorimetric Parameters

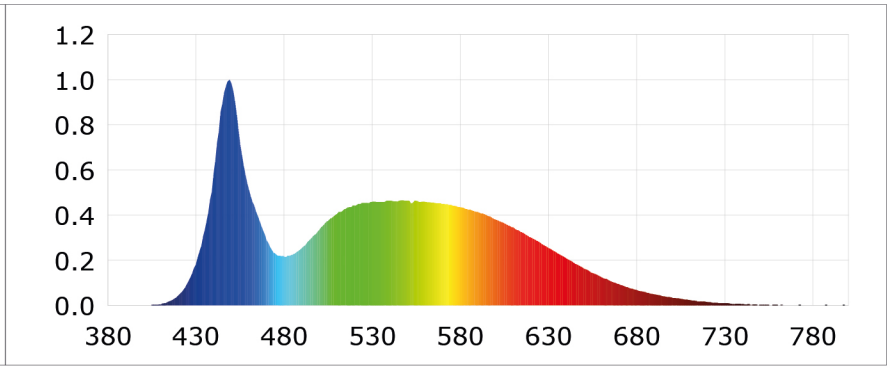
Chromaticity coordinates: x=0.3071 y=0.3299 u(u')=0.1936 v=0.3120 v'=0.4680
CCT: Tc=6804K (duv=0.00649)
Color Ratio: R=0.126 G=0.820 B=0.054
Peak Wavelength: 448.8nm
Half Bandwidth: 21.6nm
Dominant Wavelength: 500.0nm
Color Purity: 0.091
CRI: Ra= 81.0
TM30: Rf= 82, Rg= 95
GAI: GAI_BB_8=88.9, GAI_BB_15=93.7, GAI_EES=87.8

R1 =78	R2 =84	R3 =88	R4 =82	R5 =80	R6 =79	R7 =87	R8 =69
R9 =-2	R10=63	R11=81	R12=58	R13=80	R14=94	R15=73	

Color Quality Scale: Qa= 80.9, Qf= 80.8, Qp= 81.6, Qg= 91.1

Q1 =85	Q2 =97	Q3 =77	Q4 =73	Q5 =80	Q6 =82	Q7 =85	Q8 =90
Q9 =96	Q10=85	Q11=81	Q12=81	Q13=81	Q14=69	Q15=75	





Photometric Parameters

Luminous Flux: 3904.5 lm
Efficiency: 117.61 lm/W
Radiant Power: 12.448 W
EEI: 0.12
Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 220.00V
Current: 0.2660A
Power: 33.20W
Power Factor: 0.5840
Frequency: 50.00Hz

Test Infomation
Scan Range: 380~800:1nm
Stabilization Time: 0 Sec ALC.: 1.0000
Max of Signal: 45968 (2802)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.50m, 4∏
CCD Integration Time: 253.54 ms

OT-LS-T815-32W

Lightsource Test Report

Product Infomation

Product Category: OTSEN
Product Type: 32W
Product Spec: 1.5
Product Number: 4
Manufacturer:
Submitted Unit:
Buyer:

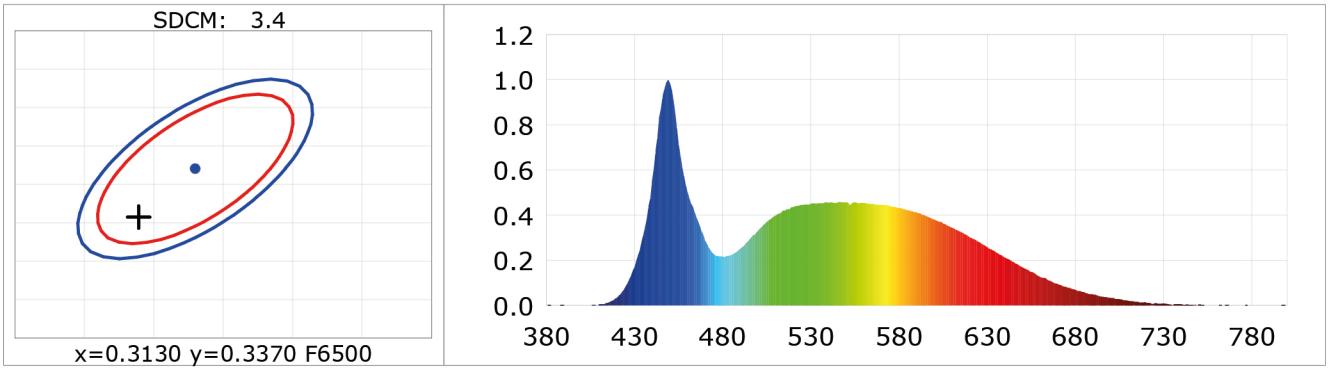
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3089 y=0.3307 u(u')=0.1946 v=0.3125 v'=0.4687
CCT: Tc=6696K (duv=0.00599)
Color Ratio: R=0.128 G=0.818 B=0.054
Peak Wavelength: 449.0nm
Half Bandwidth: 20.9nm
Dominant Wavelength: 490.4nm
Color Purity: 0.084
CRI: Ra= 81.6
TM30: Rf= 82, Rg= 96
GAI: GAI_BB_8=89.5, GAI_BB_15=94.3, GAI_EES=88.0

R1 =79	R2 =85	R3 =89	R4 =82	R5 =81	R6 =80	R7 =88	R8 =69
R9 =1	R10=64	R11=81	R12=58	R13=80	R14=94	R15=74	

Color Quality Scale: Qa= 81.3, Qf= 81.1, Qp= 82.0, Qg= 91.5

Q1 =85	Q2 =97	Q3 =77	Q4 =73	Q5 =80	Q6 =83	Q7 =86	Q8 =90
Q9 =96	Q10=85	Q11=82	Q12=81	Q13=82	Q14=70	Q15=76	



Photometric Parameters

Luminous Flux: 3851.9 lm
Efficiency: 116.73 lm/W
Radiant Power: 12.259 W
EEI: 0.12
Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 220.00V
Current: 0.2580A
Power: 33.00W
Power Factor: 0.5780
Frequency: 50.00Hz

Test Infomation
Scan Range: 380~800:1nm
Stabilization Time: 0 Sec ALC.: 1.0000
Max of Signal: 46118 (3244)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.50m, 4∏
CCD Integration Time: 261.88 ms

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