



#### **Product features**

T5 Standard Short

















#### PRODUCT OVERVIEW

Product name	F13W/T5/29-530
Technology	Fluorescent
Watt (Rated) (W)	12.80
Lamp shape	Tubular shape
Туре	T5 Standard Short
Cap/Base	G5
Lamp finish	Frosted/Coated
Fixture rating	Open
General application	Education, Hospitality, Logistics & Industry, Museums & Galleries, Office, Retail, Residential & Consumer
ETIM Class	EC000108
E-number FI	4942368
E-number SE	8356712
E-number Norway	3822413
Luminous flux (lm)	880
Rated lamp efficacy 100h 50Hz at 35°C (lm/W)	69
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	53
Colour Variation Initial (SDCM)	SDCM5
Photobiological Risk Group	Not applicable
Wattage (W)	13.00
Product Voltage (V)	95
Dimmable	Yes
Average life (Nominal) (h)	10000
Product EAN number	5410288000329

#### **DATA TABLE**

General data	
Product name	F13W/T5/29-530
Technology	Fluorescent
Watt (Rated) (W)	12.80
Lamp shape	Tubular shape
Туре	T5 Standard Short



Cap/Base G5 Lamp finish Frosted/Coated Fixture rating Open General application Education, Hospitality, Logistics & Industry, Museums & Galleries, Office, Retail, Residential & Consumer ETIM Class EC000108 E-number FI 4942368 E-number SE 8356712 E-number Norway 3822413  Optical data Luminous flux (Im) 880 Luminous flux (Im) 880 Rated lamp efficacy 100h 50Hz at 35°C (Im/W) Ambient temperature for maximum luminous flux (°C) Colour temperature (K) 3000 Light colour Warm White Colour Code 530 CRI (Ra) 53 Colour Variation Initial (SDCM) SDCM5 Adjustable chromaticity N Photobiological Risk Group Rated lumen maint. factor (%) at 4000 h 50Hz Rated lumen maint. factor (%) at 4000 h 50Hz Rated lumen maint. factor (%) at 4000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Electrical data Wattage (W) 13.00		
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ETIM Class		Education, Hospitality, Logistics & Industry, Museums &
E-number FI	seneral application	Galleries, Office, Retail, Residential & Consumer
E-number SE E-number Norway  Optical data  Luminous flux (Im) Luminous flux (Rated) (Im) Rated lamp efficacy 100h 50Hz at 35°C (Im/W)  Ambient temperature for maximum luminous flux (°C) Colour temperature (K) Light colour Colour Code CRI (Ra) Colour Variation Initial (SDCM) Adjustable chromaticity Nhotobiological Risk Group Rated lumen maint. factor (%) at 2000 h 50Hz Rated lumen maint. factor (%) at 4000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Electrical data	ETIM Class	EC000108
E-number Norway  Optical data  Luminous flux (Im)  Rated lamp efficacy 100h 50Hz at 35°C (Im/W)  Ambient temperature for maximum luminous flux (°C)  Colour temperature (K)  Light colour  Colour Code  CRI (Ra)  Colour Variation Initial (SDCM)  Adjustable chromaticity  Photobiological Risk Group  Rated lumen maint. factor (%) at 2000 h 50Hz  Rated lumen maint. factor (%) at 4000 h 50Hz  Rated lumen maint. factor (%) at 6000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Electrical data	E-number FI	4942368
Optical data  Luminous flux (Im) 880  Luminous flux (Rated) (Im) 880  Rated lamp efficacy 100h 50Hz at 35°C (Im/W)  Ambient temperature for maximum luminous flux (°C)  Colour temperature (K) 3000  Light colour Warm White  Colour Code 530  CRI (Ra) 53  Colour Variation Initial (SDCM) SDCM5  Adjustable chromaticity Not applicable  Rated lumen maint. factor (%) at 2000 h 50Hz  Rated lumen maint. factor (%) at 4000 h 50Hz  Rated lumen maint. factor (%) at 6000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Electrical data	E-number SE	8356712
Luminous flux (Im) Luminous flux (Rated) (Im) Rated lamp efficacy 100h 50Hz at 35°C (Im/W)  Ambient temperature for maximum luminous flux (°C) Colour temperature (K) Light colour Colour Code Colour Code Colour Variation Initial (SDCM) Adjustable chromaticity Photobiological Risk Group Rated lumen maint. factor (%) at 2000 h 50Hz Rated lumen maint. factor (%) at 4000 h 50Hz Rated lumen maint. factor (%) at 6000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz	E-number Norway	3822413
Luminous flux (Rated) (Im) 880  Rated lamp efficacy 100h 50Hz at 35°C (Im/W)  Ambient temperature for maximum luminous flux (°C)  Colour temperature (K) 3000  Light colour Warm White  Colour Code 530  CRI (Ra) 53  Colour Variation Initial (SDCM) SDCM5  Adjustable chromaticity N  Photobiological Risk Group Not applicable  Rated lumen maint. factor (%) at 2000 h 50Hz  Rated lumen maint. factor (%) at 4000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Electrical data	Optical data	
Luminous flux (Rated) (Im) Rated lamp efficacy 100h 50Hz at 35°C (Im/W)  Ambient temperature for maximum luminous flux (°C) Colour temperature (K)  Light colour Colour Code CRI (Ra) Colour Variation Initial (SDCM) Adjustable chromaticity Photobiological Risk Group Rated lumen maint. factor (%) at 2000 h 50Hz Rated lumen maint. factor (%) at 4000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Electrical data	_uminous flux (lm)	880
Rated lamp efficacy 100h 50Hz at 35°C (Im/W)  Ambient temperature for maximum   25    Light colour (*C)  Colour temperature (K)   3000    Light colour   Warm White    Colour Code   530    CRI (Ra)   53    Colour Variation Initial (SDCM)   SDCM5    Adjustable chromaticity   N    Photobiological Risk Group   Not applicable    Rated lumen maint. factor (%) at 2000 h   50Hz    Rated lumen maint. factor (%) at 4000 h   50Hz    Rated lumen maint. factor (%) at 6000 h   0.78    Selectrical data    Electrical data	• •	880
Amblent temperature for maximum luminous flux (°C)  Colour temperature (K)  Light colour  Colour Code  Colour Code  CRI (Ra)  Colour Variation Initial (SDCM)  Adjustable chromaticity  Photobiological Risk Group  Rated lumen maint. factor (%) at 2000 h 50Hz  Rated lumen maint. factor (%) at 4000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Electrical data	Rated lamp efficacy 100h 50Hz at 35°C	69
Light colour Code Colour Code CRI (Ra) 53 Colour Variation Initial (SDCM) Adjustable chromaticity N Photobiological Risk Group Rated lumen maint. factor (%) at 2000 h 50Hz Rated lumen maint. factor (%) at 4000 h 50Hz Rated lumen maint. factor (%) at 6000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Electrical data	Ambient temperature for maximum	25
Colour Code 530  CRI (Ra) 53  Colour Variation Initial (SDCM) SDCM5  Adjustable chromaticity N  Photobiological Risk Group Not applicable  Rated lumen maint. factor (%) at 2000 h 50Hz  Rated lumen maint. factor (%) at 4000 h 50Hz  Rated lumen maint. factor (%) at 6000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Electrical data	Colour temperature (K)	3000
CRI (Ra) 53 Colour Variation Initial (SDCM) SDCM5 Adjustable chromaticity N Photobiological Risk Group Not applicable Rated lumen maint. factor (%) at 2000 h 50Hz Rated lumen maint. factor (%) at 4000 h 50Hz Rated lumen maint. factor (%) at 6000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Electrical data	ight colour	Warm White
Colour Variation Initial (SDCM)  Adjustable chromaticity  Photobiological Risk Group  Rated lumen maint. factor (%) at 2000 h 50Hz  Rated lumen maint. factor (%) at 4000 h 50Hz  Rated lumen maint. factor (%) at 6000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Electrical data	Colour Code	530
Adjustable chromaticity  Photobiological Risk Group  Rated lumen maint. factor (%) at 2000 h 50Hz  Rated lumen maint. factor (%) at 4000 h 50Hz  Rated lumen maint. factor (%) at 6000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Electrical data	CRI (Ra)	53
Photobiological Risk Group  Rated lumen maint. factor (%) at 2000 h 50Hz  Rated lumen maint. factor (%) at 4000 h 50Hz  Rated lumen maint. factor (%) at 6000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Rated lumen maint. factor (%) at 8000 h 50Hz  Electrical data	Colour Variation Initial (SDCM)	SDCM5
Rated lumen maint. factor (%) at 2000 h 50Hz Rated lumen maint. factor (%) at 4000 h 50Hz Rated lumen maint. factor (%) at 6000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Electrical data	Adjustable chromaticity	N
SoHz Rated lumen maint. factor (%) at 4000 h 50Hz Rated lumen maint. factor (%) at 6000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Electrical data	hotobiological Risk Group	Not applicable
S0Hz Rated lumen maint. factor (%) at 6000 h 50Hz Rated lumen maint. factor (%) at 8000 h 50Hz Electrical data		0.88
SoHz Rated lumen maint. factor (%) at 8000 h 0.75 SoHz Electrical data		0.82
50Hz Electrical data		0.78
		0.75
Wattage (W) 13.00	lectrical data	
	Wattage (W)	13.00
Watt (Rated) - High frequency (W) 13	Watt (Rated) - High frequency (W)	13
<b>Current (A)</b> 0.165	Current (A)	0.165
Mains voltage (V) 220-240V	vlains voltage (V)	
Product Voltage (V) 95	~ , ,	95
Control gear required Yes		
Transformer required No	•	
<b>Dimmable</b> Yes		
Drive current (mA) 165		
Lamp Energy Label (class) G	,	
kWh per 1000 hours burning time 15	Wh per 1000 hours burning time	15
Lifetime data	ifetime data	
Average life (Nominal) (h) 10000	Average life (Nominal) (h)	10000
Average life (Rated) (h) 10000	Average life (Rated) (h)	10000
Rated survival factor (%) at 2000 h 50Hz 1.00	Rated survival factor (%) at 2000 h 50Hz	1.00
Rated survival factor (%) at 4000 h 50Hz 0.99	Rated survival factor (%) at 4000 h 50Hz	0.99



Rated survival factor (	(%) at 6000 h 50Hz	0.96
Rated survival factor (	(%) at 8000 h 50Hz	0.83

#### Physical data

Nominal Product Length (mm)	525.0
Nominal Product Diameter (mm)	16
Max. Length base to base (mm) - A	516.9
Length base to pin Min-Max (mm) - B	521.6-524.0
Max. Lamp Length (mm) - C/L	531.1
Max. Lamp Diameter (mm) - D	17.0
Weight (kg)	0.049

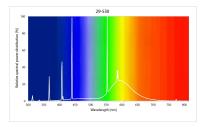
#### Packaging

Single packaging type	Carton
Product EAN number	5410288000329
Packaging single length / height (cm)	53.0
Packaging single width (cm)	1.7
Packaging single depth (cm)	1.7
DUN14 (inner)	25410288000323
Units per inner package	25
Packaging inner length / height (cm)	9.87
Packaging inner width (cm)	9.93
Packaging inner depth (cm)	54.67
DUN14 (outer)	15410288000326
Units per outer package	250
Packaging outer length / height (cm)	55.9
Packaging outer width (cm)	52.5
Packaging outer depth (cm)	20.5

#### Safety data

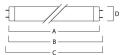
Lamp mercury content (mg)	2.30
Breakage cleaning instructions	Applicable
Recommendation for disposal at end of life	Applicable
Special purpose lamp	No
Suitable for household illumination	Yes

### **PHOTOMETRY**





#### **TECHNICAL DRAWINGS**





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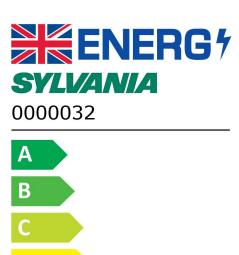




**13** kWh/1000h













**13** kWh/1000h

