

OSRAM DULUX PRO MINI TWIST

Compact fluorescent integrated, spiral shape

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[Http://www.100y.com.tw](http://www.100y.com.tw)



Areas of application

- High-quality domestic and professional environments
- General illumination
- Wherever light is required quickly
- Outdoor use in enclosed and ventilated luminaires only

Product benefits

- More compact dimensions compared to previous version
- Higher luminous efficacy compared to other energy-saving lamp shapes
- Great light color variation
- Extremely fast lumen ramp-up thanks to Quick Light Technology

Product features

- Quick Light: 60 % light output in < 20 s (< 30 s for 28 W product)
- Warm Comfort Light – energy-saving light similar to that of an incandescent lamp
- Available in 3 light colors: 825, 840 and 865
- Good quality of light; color rendering index $R_a \geq 80$; constant chromaticity



Product family datasheet

Technical data

Product description	Electrical data								Photometrical data
	Nominal wattage	Rated wattage	Nominal voltage	Rated luminous flux	Claimed equiv. conventional lamp power	Power factor λ	Nominal current	Operating frequency	Nominal luminous flux
DPRO MITW 12 W/825 E14	12.0 W	12.00 W	220...240 V	650 lm	54 W	0.55	0.12 A	50...60 Hz	650 lm
DPRO MITW 12 W/825 B22D	12.0 W	12.00 W	220...240 V	650 lm	54 W	0.55	0.12 A	50...60 Hz	650 lm
DPRO MITW 12 W/825 E27	12.0 W	12.00 W	220...240 V	650 lm	54 W	0.55	0.12 A	50...60 Hz	650 lm
DPRO MITW 12 W/840 E14	12.0 W	12.00 W	220...240 V	650 lm	54 W	0.55	0.12 A	50...60 Hz	650 lm
DPRO MITW 12 W/840 E27	12.0 W	12.00 W	220...240 V	650 lm	54 W	0.55	0.12 A	50...60 Hz	650 lm
DPRO MITW 12 W/865 E14	12.0 W	12.00 W	220...240 V	650 lm	54 W	0.55	0.12 A	50...60 Hz	650 lm
DPRO MITW 12 W/865 E27	12.0 W	12.00 W	220...240 V	650 lm	54 W	0.55	0.12 A	50...60 Hz	650 lm
DPRO MITW 15 W/825 E14	15.0 W	15.00 W	220...240 V	900 lm	70 W	0.55	0.15 A	50...60 Hz	900 lm
DPRO MITW 15 W/825 B22D	15.0 W	15.00 W	220...240 V	900 lm	70 W	0.55	0.15 A	50...60 Hz	900 lm
DPRO MITW 15 W/825 E27	15.0 W	15.00 W	220...240 V	900 lm	70 W	0.55	0.15 A	50...60 Hz	900 lm
DPRO MITW 15 W/840 E27	15.0 W	15.00 W	220...240 V	900 lm	70 W	0.55	0.15 A	50...60 Hz	900 lm
DPRO MITW 15 W/865 E27	15.0 W	15.00 W	220...240 V	900 lm	70 W	0.55	0.15 A	50...60 Hz	900 lm
DPRO MITW 20 W/825 B22D	20.0 W	20.00 W	220...240 V	1300 lm	94 W	0.55	0.2 A	50...60 Hz	1300 lm
DPRO MITW 20 W/825 E27	20.0 W	20.00 W	220...240 V	1300 lm	94 W	0.55	0.2 A	50...60 Hz	1300 lm
DPRO MITW 20 W/840 E27	20.0 W	20.00 W	220...240 V	1300 lm	94 W	0.55	0.2 A	50...60 Hz	1300 lm
DPRO MITW 20 W/865 E27	20.0 W	20.00 W	220...240 V	1300 lm	94 W	0.55	0.2 A	50...60 Hz	1300 lm
DPRO MITW 23 W/825 B22D	23.0 W	23.00 W	220...240 V	1520 lm	107 W	0.55	0.23 A	50...60 Hz	1520 lm
DPRO MITW 23 W/825 E27	23.0 W	23.00 W	220...240 V	1600 lm	112 W	0.55	0.23 A	50...60 Hz	1600 lm
DPRO MITW 23 W/840 E27	23.0 W	23.00 W	220...240 V	1600 lm	112 W	0.55	0.23 A	50...60 Hz	1600 lm
DPRO MITW 23 W/865 E27	23.0 W	23.00 W	220...240 V	1600 lm	112 W	0.55	0.23 A	50...60 Hz	1600 lm
DPRO MITW 28 W/840 E27	28.0 W	28.00 W	220...240 V	1750 lm	120 W	0.90	0.14 A	50...60 Hz	1750 lm

Product family datasheet

Product description	Color temperature	Light color	Light color (designation)	Color rendering index Ra	Light technical data		Dimensions & weight			Temperatures
					Warm-up time (60 %)	Starting time	Maximum diameter	Overall length	Product weight	Ambient temperature range
DPRO MITW 12 W/825 E14	2500 K	825	Warm Comfort Light	≥80	20.00 s	0.3 s	41.0 mm	106.0 mm	50.00 g	0...+50 °C
DPRO MITW 12 W/825 B22D	2500 K	825	Warm Comfort Light	≥80	20.00 s	0.3 s	41.0 mm	101.0 mm	50.00 g	0...+50 °C
DPRO MITW 12 W/825 E27	2500 K	825	Warm Comfort Light	≥80	20.00 s	0.3 s	41.0 mm	102.0 mm	50.00 g	0...+50 °C
DPRO MITW 12 W/840 E14	4000 K	840	Cool White	≥80	20.00 s	0.3 s	41.0 mm	106.0 mm	50.00 g	0...+50 °C
DPRO MITW 12 W/840 E27	4000 K	840	Cool White	≥80	20.00 s	0.3 s	41.0 mm	102.0 mm	50.00 g	0...+50 °C
DPRO MITW 12 W/865 E14	6500 K	865	Cool Daylight	≥80	20.00 s	0.3 s	41.0 mm	106.0 mm	50.00 g	0...+50 °C
DPRO MITW 12 W/865 E27	6500 K	865	Cool Daylight	≥80	20.00 s	0.3 s	41.0 mm	102.0 mm	50.00 g	0...+50 °C
DPRO MITW 15 W/825 E14	2500 K	825	Warm Comfort Light	≥80	20.00 s	0.3 s	41.0 mm	110.0 mm	55.00 g	0...+50 °C
DPRO MITW 15 W/825 B22D	2500 K	825	Warm Comfort Light	≥80	20.00 s	0.3 s	41.0 mm	105.0 mm	55.00 g	0...+50 °C
DPRO MITW 15 W/825 E27	2500 K	825	Warm Comfort Light	≥80	20.00 s	0.3 s	41.0 mm	106.0 mm	55.00 g	0...+50 °C
DPRO MITW 15 W/840 E27	4000 K	840	Cool White	≥80	20.00 s	0.3 s	41.0 mm	106.0 mm	55.00 g	0...+50 °C
DPRO MITW 15 W/865 E27	6500 K	865	Cool Daylight	≥80	20.00 s	0.3 s	41.0 mm	106.0 mm	55.00 g	0...+50 °C
DPRO MITW 20 W/825 B22D	2500 K	825	Warm Comfort Light	≥80	20.00 s	0.3 s	54.0 mm	110.0 mm	70.00 g	0...+50 °C
DPRO MITW 20 W/825 E27	2500 K	825	Warm Comfort Light	≥80	20.00 s	0.3 s	54.0 mm	111.0 mm	70.00 g	0...+50 °C
DPRO MITW 20 W/840 E27	4000 K	840	Cool White	≥80	20.00 s	0.3 s	54.0 mm	111.0 mm	70.00 g	0...+50 °C
DPRO MITW 20 W/865 E27	6500 K	865	Cool Daylight	≥80	20.00 s	0.3 s	54.0 mm	111.0 mm	70.00 g	0...+50 °C
DPRO MITW 23 W/825 B22D	2500 K	825	Warm Comfort Light	≥80	20.00 s	0.3 s	56.0 mm	134.0 mm	75.00 g	0...+50 °C

Product family datasheet

Product description	Color temperature	Light color	Light color (designation)	Color rendering index Ra	Light technical data		Dimensions & weight		Product weight	Temperatures
					Warm-up time (60 %)	Starting time	Maximum diameter	Overall length		
DPRO MITW 23 W/825 E27	2500 K	825	Warm Comfort Light	≥80	20.00 s	0.3 s	54.0 mm	119.0 mm	75.00 g	0...+50 °C
DPRO MITW 23 W/840 E27	4000 K	840	Cool White	≥80	20.00 s	0.3 s	54.0 mm	119.0 mm	75.00 g	0...+50 °C
DPRO MITW 23 W/865 E27	6500 K	865	Cool Daylight	≥80	20.00 s	0.3 s	54.0 mm	119.0 mm	75.00 g	0...+50 °C
DPRO MITW 28 W/840 E27	4000 K	840	Cool White	≥80	30.00 s	0.3 s		162.0 mm	135.00 g	-20...+50 °C

Product description	Lifespan				Additional product data			Capabilities		Certificates & standards	
	Nominal lamp life time	Rated lamp life time	Number of switching cycles	Lumen main. fact. at end of nom. life time	Base (standard designation)	Lamp mercury content	Appropriate disposal acc. to WEEE	Dimmable		Energy efficiency class	Energy consumption
DPRO MITW 12 W/825 E14	8000 h	8000 h	8000	0.65	E14	1.4 mg	Yes	No		A	12 kWh/1000h
DPRO MITW 12 W/825 B22D	8000 h	8000 h	8000	0.65	B22d	1.4 mg	Yes	No		A	12 kWh/1000h
DPRO MITW 12 W/825 E27	8000 h	8000 h	8000	0.65	E27	1.4 mg	Yes	No		A	12 kWh/1000h
DPRO MITW 12 W/840 E14	8000 h	8000 h	8000	0.65	E14	1.4 mg	Yes	No		A	12 kWh/1000h
DPRO MITW 12 W/840 E27	8000 h	8000 h	8000	0.65	E27	1.4 mg	Yes	No		A	12 kWh/1000h
DPRO MITW 12 W/865 E14	8000 h	8000 h	8000	0.65	E14	1.4 mg	Yes	No		A	12 kWh/1000h
DPRO MITW 12 W/865 E27	8000 h	8000 h	8000	0.65	E27	1.4 mg	Yes	No		A	12 kWh/1000h
DPRO MITW 15 W/825 E14	8000 h	8000 h	8000	0.65	E14	1.4 mg	Yes	No		A	15 kWh/1000h
DPRO MITW 15 W/825 B22D	8000 h	8000 h	8000	0.65	B22d	1.4 mg	Yes	No		A	15 kWh/1000h
DPRO MITW 15 W/825 E27	8000 h	8000 h	8000	0.65	E27	1.4 mg	Yes	No		A	15 kWh/1000h
DPRO MITW 15 W/840 E27	8000 h	8000 h	8000	0.65	E27	1.4 mg	Yes	No		A	15 kWh/1000h
DPRO MITW 15 W/865 E27	8000 h	8000 h	8000	0.65	E27	1.4 mg	Yes	No		A	15 kWh/1000h
DPRO MITW 20 W/825 B22D	8000 h	8000 h	8000	0.65	B22d	1.4 mg	Yes	No		A	20 kWh/1000h
DPRO MITW 20 W/825 E27	8000 h	8000 h	8000	0.65	E27	1.4 mg	Yes	No		A	20 kWh/1000h

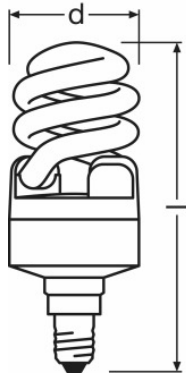
Product family datasheet

Product description	Lifespan				Additional product data			Capabilities	Certificates & standards	
	Nominal lamp life time	Rated lamp life time	Number of switching cycles	Lumen main. fact. at end of nom. life time	Base (standard designation)	Lamp mercury content	Appropriate disposal acc. to WEEE	Dimmable	Energy efficiency class	Energy consumption
DPRO MITW 20 W/840 E27	8000 h	8000 h	8000	0.65	E27	1.4 mg	Yes	No	A	20 kWh/1000h
DPRO MITW 20 W/865 E27	8000 h	8000 h	8000	0.65	E27	1.4 mg	Yes	No	A	20 kWh/1000h
DPRO MITW 23 W/825 B22D	8000 h	8000 h	10000	0.65	B22d	1.5 mg	Yes	No	A	23 kWh/1000h
DPRO MITW 23 W/825 E27	8000 h	8000 h	8000	0.65	E27	1.4 mg	Yes	No	A	23 kWh/1000h
DPRO MITW 23 W/840 E27	8000 h	8000 h	8000	0.65	E27	1.4 mg	Yes	No	A	23 kWh/1000h
DPRO MITW 23 W/865 E27	8000 h	8000 h	8000	0.65	E27	1.4 mg	Yes	No	A	23 kWh/1000h
DPRO MITW 28 W/840 E27	8000 h	8000 h	8000		E27	1.5 mg	Yes	No	A	28 kWh/1000h

Product description	Country specific categorizations	
	ILCOS	
DPRO MITW 12 W/825 E14	FB-12/825-220/240-E27	
DPRO MITW 12 W/825 B22D	FB-12/825-220/240-B22D	
DPRO MITW 12 W/825 E27	FB-12/825-220/240-E27	
DPRO MITW 12 W/840 E14	FB-12/840-220/240-E14	
DPRO MITW 12 W/840 E27	FB-12/840-220/240-E27	
DPRO MITW 12 W/865 E14	FB-12/865-220/240-E14	
DPRO MITW 12 W/865 E27	FB-12/865-220/240-E27	
DPRO MITW 15 W/825 E14	FB-15/825-220/240-E14	
DPRO MITW 15 W/825 B22D	FB-15/825-220/240-B22D	
DPRO MITW 15 W/825 E27	FB-15/825-220/240-E27	
DPRO MITW 15 W/840 E27	FB-15/840-220/240-E27	
DPRO MITW 15 W/865 E27	FB-15/865-220/240-E27	
DPRO MITW 20 W/825 B22D	FB-20/825-220/240-B22D	
DPRO MITW 20 W/825 E27	FB-20/825-220/240-E27	

Product family datasheet

Product description	Country specific categorizations
	ILCOS
DPRO MITW 20 W/840 E27	FB-20/840-220/240-E27
DPRO MITW 20 W/865 E27	FB-20/865-220/240-E27
DPRO MITW 23 W/825 B22D	FB-23/825-220/240-B22D
DPRO MITW 23 W/825 E27	FB-23/825-220/240-E27
DPRO MITW 23 W/840 E27	FB-23/840-220/240-E27
DPRO MITW 23 W/865 E27	FB-23/865-220/240-E27
DPRO MITW 28 W/840 E27	FB-28/840-220/240-E27



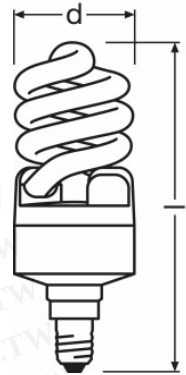
DPRO MITW 12 W/825 E14, DPRO MITW 12 W/840 E14, DPRO MITW 12 W/865 E14



DPRO MITW 12 W/825 B22D

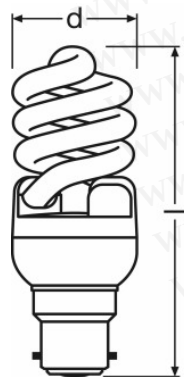


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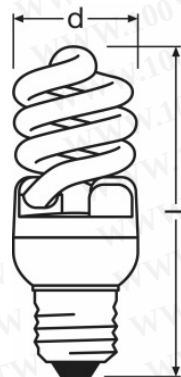


DPRO MITW 15 W/825 E14

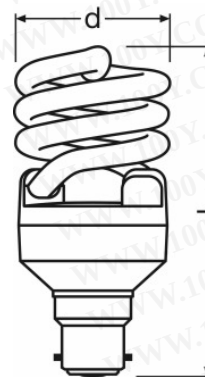
Product family datasheet



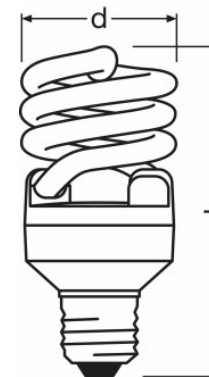
DPRO MITW 15 W/825 B22D



DPRO MITW 15 W/825 E27, DPRO
MITW 15 W/840 E27, DPRO MITW 15
W/865 E27

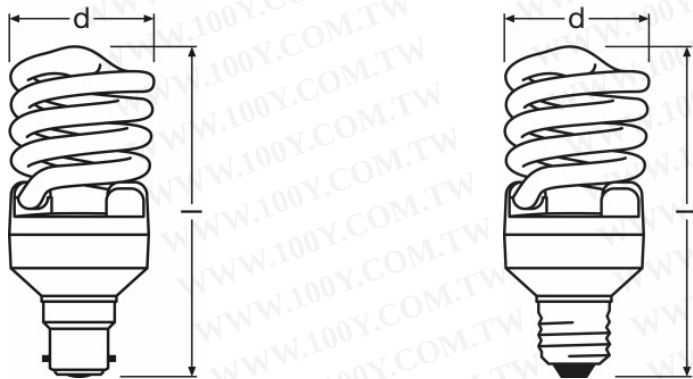


DPRO MITW 20 W/825 B22D



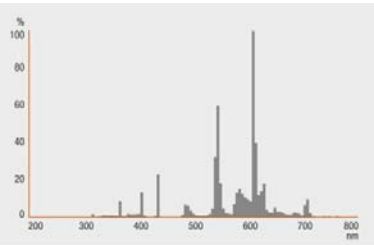
DPRO MITW 20 W/825 E27, DPRO
MITW 20 W/840 E27, DPRO MITW 20
W/865 E27

Product family datasheet



Light colors, color rendering properties and Light Color Coordinates for OSRAM DULUX® - lamps with integrated control gear

Light Color & LUMEN/STK	Color Rendering Index, Ra	Typical Color Temperature, K	Typical Color Coordinates, x, y	Color Temperature, K
825 Warm Comfort Light	≥ 90	2400	0.455	2700
827 Warm White	≥ 90	2700	0.455	2700
840 Cool White	≥ 90	4000	0.380	4000
865 Cool Daylight	≥ 90	6500	0.310	6500



DPRO MITW 23 W/825 B22D

DPRO MITW 23 W/825 E27, DPRO MITW 23 W/840 E27, DPRO MITW 23 W/865 E27

DPRO MITW 12 W/825 E14, DPRO MITW 12 W/825 B22D, DPRO MITW 12 W/825 E27, DPRO MITW 12 W/840 E14, DPRO MITW 12 W/840 E27, DPRO MITW 12 W/865 E14, DPRO MITW 12 W/865 E27, DPRO MITW 15 W/825 E14, DPRO MITW 15 W/825 B22D, DPRO MITW 15 W/825 E27, DPRO MITW 15 W/840 E27, DPRO MITW 15 W/865 E27, DPRO MITW 20 W/825 B22D, DPRO MITW 20 W/825 E27, DPRO MITW 20 W/840 E27, DPRO MITW 20 W/865 E27, DPRO MITW 23 W/825 B22D, DPRO MITW 23 W/825 E27, DPRO MITW 23 W/840 E27, DPRO MITW 23 W/865 E27, DPRO MITW 28 W/840 E27

DPRO MITW 12 W/825 E14, DPRO MITW 12 W/825 B22D, DPRO MITW 12 W/825 E27, DPRO MITW 15 W/825 E14, DPRO MITW 15 W/825 B22D, DPRO MITW 15 W/825 E27, DPRO MITW 20 W/825 B22D, DPRO MITW 20 W/825 E27, DPRO MITW 23 W/825 B22D, DPRO MITW 23 W/825 E27

Product family datasheet



— DPRO MITW 12 W/840 E14, DPRO
MITW 12 W/840 E27, DPRO MITW 15
W/840 E27, DPRO MITW 20 W/840
E27, DPRO MITW 23 W/840 E27,
DPRO MITW 28 W/840 E27

DPRO MITW 12 W/865 E14, DPRO
MITW 12 W/865 E27, DPRO MITW 15
W/865 E27, DPRO MITW 20 W/865
E27, DPRO MITW 23 W/865 E27

Safety advice

In case of lamp breakage: www.osram.com/brokenlamp
Not for use with external dimmers or electronic switches.

Application advice

For more detailed application information and graphics please see product datasheet.

Product family datasheet

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899912526	DPRO MITW 12 W/825 E14	Shipping carton box 10	224 mm x 93 mm x 128 mm	2.67 dm ³	611.00 g
4052899912519	DPRO MITW 12 W/825 B22D	Shipping carton box 10	224 mm x 93 mm x 123 mm	2.56 dm ³	676.00 g
4052899912557	DPRO MITW 12 W/825 E27	Shipping carton box 10	224 mm x 93 mm x 123 mm	2.56 dm ³	676.00 g
4052899912533	DPRO MITW 12 W/840 E14	Shipping carton box 10	224 mm x 93 mm x 128 mm	2.67 dm ³	608.00 g
4052899912564	DPRO MITW 12 W/840 E27	Shipping carton box 10	224 mm x 93 mm x 123 mm	2.56 dm ³	676.00 g
4052899912540	DPRO MITW 12 W/865 E14	Shipping carton box 10	224 mm x 93 mm x 128 mm	2.67 dm ³	608.00 g
4052899913219	DPRO MITW 12 W/865 E27	Shipping carton box 10	224 mm x 93 mm x 123 mm	2.56 dm ³	596.00 g
4052899915718	DPRO MITW 15 W/825 E14	Shipping carton box 10	224 mm x 93 mm x 128 mm	2.67 dm ³	738.00 g
4052899913226	DPRO MITW 15 W/825 B22D	Shipping carton box 10	224 mm x 93 mm x 128 mm	2.67 dm ³	707.00 g
4052899913233	DPRO MITW 15 W/825 E27	Shipping carton box 10	224 mm x 93 mm x 128 mm	2.67 dm ³	629.00 g
4052899913240	DPRO MITW 15 W/840 E27	Shipping carton box 10	224 mm x 93 mm x 128 mm	2.67 dm ³	738.00 g
4052899913257	DPRO MITW 15 W/865 E27	Shipping carton box 10	224 mm x 93 mm x 128 mm	2.67 dm ³	628.00 g
4052899913264	DPRO MITW 20 W/825 B22D	Shipping carton box 10	292 mm x 124 mm x 142 mm	5.14 dm ³	946.00 g

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899913271	DPRO MITW 20 W/825 E27	Shipping carton box 10	292 mm x 124 mm x 142 mm	5.14 dm ³	866.00 g
4052899913288	DPRO MITW 20 W/840 E27	Shipping carton box 10	292 mm x 124 mm x 142 mm	5.14 dm ³	865.00 g
4052899913295	DPRO MITW 20 W/865 E27	Shipping carton box 10	292 mm x 124 mm x 142 mm	5.14 dm ³	867.00 g
4008321986382	DPRO MITW 23 W/825 B22D	Shipping carton box 10	292 mm x 124 mm x 150 mm	5.43 dm ³	1028.00 g
4008321986375	DPRO MITW 23 W/825 E27	Shipping carton box 10	292 mm x 124 mm x 150 mm	5.43 dm ³	942.00 g
4008321986399	DPRO MITW 23 W/840 E27	Shipping carton box 10	292 mm x 124 mm x 150 mm	5.43 dm ³	947.00 g
4008321986405	DPRO MITW 23 W/865 E27	Shipping carton box 10	292 mm x 124 mm x 150 mm	5.43 dm ³	948.00 g
4008321814968	DPRO MITW 28 W/840 E27	Shipping carton box 6	278 mm x 188 mm x 209 mm	10.92 dm ³	1487.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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