
Product family datasheet

OSRAM DULUX D

CFLni, 2 tubes, with 2-pin base for CCG operation



Areas of application

- Offices, public buildings
- Shops
- Supermarkets and department stores
- Hotels, restaurants
- Industry

Product benefits

- Extremely economical
- Good quality of light
- Excellent luminous flux
- Long service life
- Improved maintenance

Product features

- Average life: 10,000 h
- Color rendering index R_a : 80...89
- Short and compact pin-base lamp with double-turn tubes
- Single-ended two-pin plug-in G24d base



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Technical data

Product description	Electrical data			Photometrical data		
	Nominal wattage	Rated wattage	Nominal voltage	Nominal luminous flux	Light color (designation)	Luminous flux at
DULUX D 10 W/827	10.00 W	10.00 W		600 lm	LUMILUX INTERNA	600 lm
DULUX D 10 W/830	10.00 W	10.00 W		600 lm	LUMILUX Warm White	600 lm
DULUX D 10 W/840	10.00 W	10.00 W		600 lm	LUMILUX Cool White	600 lm
DULUX D 13 W/827	13.00 W	13.00 W		900 lm	LUMILUX INTERNA	900 lm
DULUX D 13 W/830	13.00 W	13.00 W		900 lm	LUMILUX Warm White	900 lm
DULUX D 13 W/840	13.00 W	13.00 W		900 lm	LUMILUX Cool White	900 lm
DULUX D 13 W/865	13.00 W	13.00 W	91 V	855 lm	LUMILUX Cool Daylight	855 lm
DULUX D 18 W/827 ¹⁾	18.00 W	18.00 W		1200 lm	LUMILUX INTERNA	1200 lm
DULUX D 18 W/830 ¹⁾	18.00 W	18.00 W		1200 lm	LUMILUX Warm White	1200 lm
DULUX D 18 W/840 ¹⁾	18.00 W	18.00 W		1200 lm	LUMILUX Cool White	1200 lm
DULUX D 18 W/865 ¹⁾	18.00 W	18.00 W	100 V	1130 lm	LUMILUX Cool Daylight	1140 lm
DULUX D 26 W/827	26.00 W	26.00 W		1800 lm	LUMILUX INTERNA	1800 lm
DULUX D 26 W/830	26.00 W	26.00 W		1800 lm	LUMILUX Warm White	1800 lm
DULUX D 26 W/840	26.00 W	26.00 W		1800 lm	LUMILUX Cool White	1800 lm

Product description	Rated luminous flux	Rated color temperature	Color rendering index Ra	Rated LLMF at 2,000 h	Rated LLMF at 4,000 h	Rated LLMF at 6,000 h
DULUX D 10 W/827	600 lm	2700 K	80...89	0.85	0.78	0.76
DULUX D 10 W/830	600 lm	3000 K	80...89	0.85	0.78	0.76
DULUX D 10 W/840	600 lm	4000 K	80...89	0.85	0.78	0.76
DULUX D 13 W/827	900 lm	2700 K	80...89	0.85	0.78	0.76
DULUX D 13 W/830	900 lm	3000 K	80...89	0.85	0.78	0.76
DULUX D 13 W/840	900 lm	4000 K	80...89	0.85	0.78	0.76
DULUX D 13 W/865	855 lm	6500 K	80...89			

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Product description	Rated luminous flux	Rated color temperature	Color rendering index Ra	Rated LLMF at 2,000 h	Rated LLMF at 4,000 h	Rated LLMF at 6,000 h
DULUX D 18 W/827 ¹⁾	1200 lm	2700 K	80...89	0.85	0.78	0.76
DULUX D 18 W/830 ¹⁾	1200 lm	3000 K	80...89	0.85	0.78	0.76
DULUX D 18 W/840 ¹⁾	1200 lm	4000 K	80...89	0.85	0.78	0.76
DULUX D 18 W/865 ¹⁾	1130 lm	6500 K	80...89			
DULUX D 26 W/827	1800 lm	2700 K	80...89	0.85	0.78	0.76
DULUX D 26 W/830	1800 lm	3000 K	80...89	0.85	0.78	0.76
DULUX D 26 W/840	1800 lm	4000 K	80...89	0.85	0.78	0.76

Product description	Rated LLMF at 8,000 h	Dimensions & weight				
		Diameter	Overall length	Length	Length acc. to IEC standard	Length with base excl. base pins/connection
DULUX D 10 W/827	0.75	11.0 mm	108.0 mm	110.0 mm	95 mm	87.00 mm
DULUX D 10 W/830	0.75	12.0 mm	108.0 mm	110.0 mm	95 mm	87.00 mm
DULUX D 10 W/840	0.75	11.0 mm	108.0 mm	110.0 mm	95 mm	87.00 mm
DULUX D 13 W/827	0.75	11.0 mm	136.0 mm	138.0 mm	130 mm	115.00 mm
DULUX D 13 W/830	0.75	11.0 mm	136.0 mm	138.0 mm	130 mm	115.00 mm
DULUX D 13 W/840	0.75	11.0 mm	136.0 mm	138.0 mm	130 mm	115.00 mm
DULUX D 13 W/865		12.0 mm	140.5 mm	138.0 mm	130 mm	115.00 mm
DULUX D 18 W/827 ¹⁾	0.75	11.0 mm	151.0 mm	153.0 mm	140 mm	130.00 mm
DULUX D 18 W/830 ¹⁾	0.75	11.0 mm	151.0 mm	153.0 mm	140 mm	130.00 mm
DULUX D 18 W/840 ¹⁾	0.75	11.0 mm	151.0 mm	153.0 mm	140 mm	130.00 mm
DULUX D 18 W/865 ¹⁾		12.0 mm	153.0 mm	153.0 mm	140 mm	130.00 mm
DULUX D 26 W/827	0.75	11.0 mm	170.0 mm	172.0 mm	160 mm	149.00 mm
DULUX D 26 W/830	0.75	11.0 mm	170.0 mm	172.0 mm	160 mm	149.00 mm
DULUX D 26 W/840	0.75	11.0 mm	170.0 mm	172.0 mm	160 mm	149.00 mm

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Product description	Outer bulb	Maximum diameter	Lifespan			
			Nominal lamp life time	Rated lamp life time	Service life	Rated lamp survival factor at 2,000 h
DULUX D 10 W/827	T11	11.0 mm	10000 h	10000 h	6500 h	0.99
DULUX D 10 W/830	T12X2	11.0 mm	10000 h	10000 h	6500 h	0.99
DULUX D 10 W/840	T11	11.0 mm	10000 h	10000 h	6500 h	0.99
DULUX D 13 W/827	T11	11.0 mm	10000 h	10000 h	6500 h	0.99
DULUX D 13 W/830	T11	11.0 mm	10000 h	10000 h	6500 h	0.99
DULUX D 13 W/840	T11	11.0 mm	10000 h	10000 h	6500 h	0.99
DULUX D 13 W/865	T11		10000 h	10000 h	6500 h	
DULUX D 18 W/827 ¹⁾	T11	11.0 mm	10000 h	10000 h	6500 h	0.99
DULUX D 18 W/830 ¹⁾	T11	11.0 mm	10000 h	10000 h	6500 h	0.99
DULUX D 18 W/840 ¹⁾	T11	11.0 mm	10000 h	10000 h	6500 h	0.99
DULUX D 18 W/865 ¹⁾	T11		10000 h	10000 h	6500 h	
DULUX D 26 W/827	T11	11.0 mm	10000 h	10000 h	6500 h	0.99
DULUX D 26 W/830	T11	11.0 mm	10000 h	10000 h	6500 h	0.99
DULUX D 26 W/840	T11	11.0 mm	10000 h	10000 h	6500 h	0.99

Product description	Rated lamp survival factor at 4,000 h	Rated lamp survival factor at 6,000 h	Rated lamp survival factor at 8,000 h	Operation mode LLMF/LSF	Lifespan	Additional product data
						Base (standard designation)
DULUX D 10 W/827	0.99	0.95	0.81	50 Hz	10000 h ²⁾	G24d-1
DULUX D 10 W/830	0.99	0.95	0.81	50 Hz	10000 h ²⁾	G24d-1
DULUX D 10 W/840	0.99	0.95	0.81	50 Hz	10000 h ²⁾	G24d-1
DULUX D 13 W/827	0.99	0.95	0.81	50 Hz	10000 h ²⁾	G24d-1
DULUX D 13 W/830	0.99	0.95	0.81	50 Hz	10000 h ²⁾	G24d-1
DULUX D 13 W/840	0.99	0.95	0.81	50 Hz	10000 h ²⁾	G24d-1
DULUX D 13 W/865					10000 h ²⁾	G24d-1
DULUX D 18 W/827 ¹⁾	0.99	0.95	0.81	50 Hz	10000 h ²⁾	G24d-2
DULUX D 18 W/830 ¹⁾	0.99	0.95	0.81	50 Hz	10000 h ²⁾	G24d-2

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						Additional product data
Product description	Rated lamp survival factor at 4,000 h	Rated lamp survival factor at 6,000 h	Rated lamp survival factor at 8,000 h	Operation mode LLMF/LSF	Lifespan	Base (standard designation)
DULUX D 18 W/840 ¹⁾	0.99	0.95	0.81	50 Hz	10000 h ²⁾	G24d-2
DULUX D 18 W/865 ¹⁾					10000 h ²⁾	G24d-2
DULUX D 26 W/827	0.99	0.95	0.81	50 Hz	10000 h ²⁾	G24d-3
DULUX D 26 W/830	0.99	0.95	0.81	50 Hz	10000 h ²⁾	G24d-3
DULUX D 26 W/840	0.99	0.95	0.81	50 Hz	10000 h ²⁾	G24d-3

			Capabilities		Certificates & standards	
Product description	Mercury content	Product remark	Dimmable	Suitable for indoor	Energy efficiency class	Energy consumption
DULUX D 10 W/827	1.3 mg		No	Yes	B	13 kWh/1000h
DULUX D 10 W/830	1.3 mg		No	Yes	B	13 kWh/1000h
DULUX D 10 W/840	1.3 mg		No	Yes	B	13 kWh/1000h
DULUX D 13 W/827	1.3 mg		No	Yes	A	17 kWh/1000h
DULUX D 13 W/830	1.3 mg		No	Yes	A	17 kWh/1000h
DULUX D 13 W/840	1.3 mg		No	Yes	A	17 kWh/1000h
DULUX D 13 W/865	2.5 mg		No		A	17 kWh/1000h
DULUX D 18 W/827 ¹⁾	1.3 mg	Suitable only for operation with 0.22 A control gear	No	Yes	B	23 kWh/1000h
DULUX D 18 W/830 ¹⁾	1.3 mg	Suitable only for operation with 0.22 A control gear	No	Yes	B	23 kWh/1000h
DULUX D 18 W/840 ¹⁾	1.3 mg	Suitable only for operation with 0.22 A control gear	No	Yes	B	23 kWh/1000h
DULUX D 18 W/865 ¹⁾	2.5 mg	Suitable only for operation with 0.22 A control gear	No		A	23 kWh/1000h
DULUX D 26 W/827	1.3 mg		No	Yes	A	32 kWh/1000h

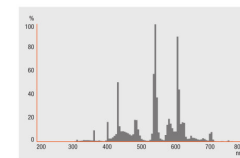
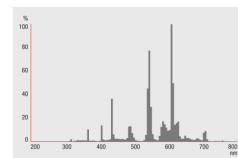
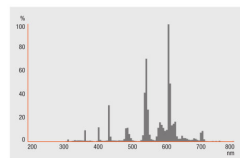
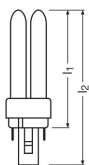
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Product description	Mercury content	Product remark	Capabilities		Certificates & standards	
			Dimmable	Suitable for indoor	Energy efficiency class	Energy consumption
DULUX D 26 W/830	1.3 mg		No	Yes	A	32 kWh/1000h
DULUX D 26 W/840	1.3 mg		No	Yes	A	32 kWh/1000h

Product description	Country specific categorizations	Logistical data
	ILCOS	Commodity code
DULUX D 10 W/827	FSQ-10/827-I-G24d-1	853931909000
DULUX D 10 W/830	FSQ-10/830-I-G24d-1	853931909000
DULUX D 10 W/840	FSQ-10/840-I-G24d-1	853931909000
DULUX D 13 W/827	FSQ-13/827-I-G24d-1	853931909000
DULUX D 13 W/830	FSQ-13/830-I-G24d-1	853931909000
DULUX D 13 W/840	FSQ-13/840-I-G24d-1	853931909000
DULUX D 13 W/865	FSQ-13/865-I-G24d-1	853931909000
DULUX D 18 W/827 ¹⁾	FSQ-18/827-I-G24d-2	853931909000
DULUX D 18 W/830 ¹⁾	FSQ-18/830-I-G24d-2	853931909000
DULUX D 18 W/840 ¹⁾	FSQ-18/840-I-G24d-2	853931909000
DULUX D 18 W/865 ¹⁾	FSQ-18/865-I-G24d-2	853931909000
DULUX D 26 W/827	FSQ-26/827-I-G24d-3	853931909000
DULUX D 26 W/830	FSQ-26/830-I-G24d-3	853931909000
DULUX D 26 W/840	FSQ-26/840-I-G24d-3	853931909000

¹⁾ Suitable only for operation with 0.22 A control gear

²⁾ With CCG/LLCG



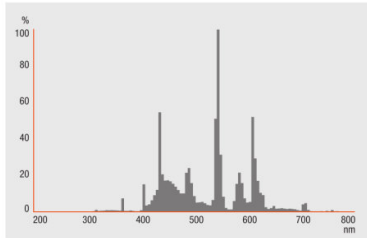
— DULUX D 10 W/827, DULUX D 10 W/830, DULUX D 10 W/840, DULUX D 13 W/827, DULUX D 13 W/830, DULUX D 13 W/840, DULUX D 13 W/865, DULUX D 18 W/827, DULUX D 18 W/830, DULUX D 18 W/840, DULUX D 18 W/865, DULUX D 26 W/827, DULUX D 26 W/830, DULUX D 26 W/840

DULUX D 10 W/827, DULUX D 13 W/827, DULUX D 18 W/827, DULUX D 26 W/827

DULUX D 10 W/830, DULUX D 13 W/830, DULUX D 18 W/830, DULUX D 26 W/830

DULUX D 10 W/840, DULUX D 13 W/840, DULUX D 18 W/840, DULUX D 26 W/840

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DULUX D 13 W/865, DULUX D 18
W/865

Equipment / Accessories

- Suitable for operation on conventional control gear

Safety advice

In case of lamp breakage: www.osram.com/brokenlamp

Application advice

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

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Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300008110	DULUX D 10 W/827	Shipping carton box 10	186 mm x 133 mm x 93 mm	2.30 dm ³	478.00 g
4050300025681	DULUX D 10 W/830	Shipping carton box 10	164 mm x 120 mm x 112 mm	2.20 dm ³	478.00 g
4050300010595	DULUX D 10 W/840	Shipping carton box 10	152 mm x 132 mm x 118 mm	2.37 dm ³	478.00 g
4050300008127	DULUX D 13 W/827	Shipping carton box 10	153 mm x 158 mm x 121 mm	2.93 dm ³	583.00 g
4050300025698	DULUX D 13 W/830	Shipping carton box 10	162 mm x 160 mm x 110 mm	2.85 dm ³	566.50 g
4050300010625	DULUX D 13 W/840	Shipping carton box 10	187 mm x 161 mm x 84 mm	2.53 dm ³	583.00 g
4050300487106	DULUX D 13 W/865	Shipping carton box 10	139 mm x 159 mm x 200 mm	4.42 dm ³	566.50 g
4050300011462	DULUX D 18 W/827	Shipping carton box 10	140 mm x 162 mm x 140 mm	3.18 dm ³	657.00 g
4050300025704	DULUX D 18 W/830	Shipping carton box 10	153 mm x 174 mm x 119 mm	3.17 dm ³	645.00 g
4050300012056	DULUX D 18 W/840	Shipping carton box 10	186 mm x 163 mm x 110 mm	3.33 dm ³	609.00 g
4050300487120	DULUX D 18 W/865	Shipping carton box 10	186 mm x 176 mm x 82 mm	2.68 dm ³	609.00 g
4050300011912	DULUX D 26 W/827	Shipping carton box 10	192 mm x 193 mm x 96 mm	3.56 dm ³	694.00 g
4050300025711	DULUX D 26 W/830	Shipping carton box 10	135 mm x 162 mm x 167 mm	3.65 dm ³	695.00 g

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Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300012049	DULUX D 26 W/840	Shipping carton box 10	157 mm x 188 mm x 120 mm	3.54 dm ³	705.00 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.

OSRAM GMBH is distribution partner
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