

PRODUCT DATASHEET DULUX S/E 9 W/827

OSRAM DULUX® S/E | Short CFLni, with 4-pin base for ECG operation



Areas of application

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

Product benefits

- Long service life

Product features

- Good color rendering index
- Dimmable (3...100 %)
- Short and compact pin-base lamps with single-turn tubes
- Single-ended four-pin plug-in 2G7 base





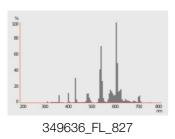
TECHNICAL DATA

Electrical data

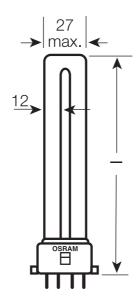
Nominal wattage	9 W
Construction wattage	8.70 W
Nominal voltage	60 V
Nominal current	0.17 A

Photometrical data

Luminous flux	600 lm
Luminous efficacy	69 lm/W
Light color (designation)	LUMILUX INTERNA
Color temperature	2700 K
Color rendering index Ra	≥80
Light color	827
Rated LLMF at 2,000 h	0.90
Rated LLMF at 4,000 h	0.86
Rated LLMF at 6,000 h	0.84
Rated LLMF at 8,000 h	0.81
Rated LLMF at 12,000 h	0.79
Rated LLMF at 16,000 h	0.78
Rated LLMF at 20,000 h	0.76



Dimensions & Weight



Overall length	151.80 mm
Length with base excl. base pins/connection	145 mm
Diameter	12.00 mm
Tube diameter	12 mm
Product weight	21.9 g

Temperatures & operating conditions

Lifespan

Service life	13000 h
Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000 h	0.99
Rated lamp survival factor at 6,000 h	0.99
Rated lamp survival factor at 8,000 h	0.99
Rated lamp survival factor at 12,000 h	0.95
Rated lamp survival factor at 16,000	0.81
Rated lamp survival factor at 20,000 h	0.50
Lifespan B50	12000 h

Additional product data

Base (standard designation)	2G7
-----------------------------	-----

Dimmable Yes Certificates & Standards Energy efficiency class Energy consumption 9.00 kWh/1000h Country-specific categorizations ILCOS FSDH-9/827-/P/-2G7 Order reference DULUX S/E 9W/82		
Dimmable Yes Certificates & Standards Energy efficiency class G Energy consumption 9.00 kWiv1000h Country-specific categorizations ILCOS FSDH-9/827-/P/267 Order reference DULUX S/E 9W/82 Energy labelling regulation data acc EU 2019/2015 Lighting technology used CFLNI Non-directional NDLS Mains or non-mains NMLS Light source cap-type (or other electric interface) 297 Connected light source (CLS) No Color-tuneable light source Envelope No High luminance light source No Anti-glare shield Correlated colour temperature type Single_VALUE Calan of equivalent power Anti-glare shield Claim of equivalent power Length 151.80 mm Height 12.00 mm Width 12.00 mm Width 12.00 mm Chromaticity coordinate y 0.415 Beam angle correspondence	Mercury content	1.6 mg
Dimmable Yes Certificates & Standards Energy efficiency class G Energy consumption 9.00 kWh/1000h Country-specific categorizations ILCOS FSDH-9/827-/P/-2G7 Order reference DULUX S/E 9W/82 Energy labelling regulation data acc EU 2019/2015 Lighting technology used SFLNI Non-directional NDLS Mains or non-mains NMLS Light source cap-type (or other electric interface) 2G7 Connected light source (CLS) No Cotor-tuneable light source Finelope No Anti-glare shield No Cotrelated colour temperature type SINGLE_VALUE Claim of equivalent power Length 15.80 mm Height Light coordinate x Width 12.00 mm Width 12.00 mm Chromaticity coordinate y Beam angle correspondence SPHERE_360	Product remark	For ECG operation only
Energy efficiency class G Energy consumption 9.00 kWh/1000h Country-specific categorizations ILCOS FSDH-9/827-/P/-2G7 Order reterence DULLX S/E 9W/82 Energy labelling regulation data acc EU 2019/2015 Lighting technology used SFDH NMLS Mains or non-mains NMLS Light source cap-type (or other electric interface) 2G7 Connected light source (CLS) No Color-tuneable light source (CLS) No High luminance light source Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Claim of equivalent power No Length 151.80 mm Height 12.00 mm Wridth 12.00 mm Wridth 12.00 mm Chromaticity coordinate x Chromaticity coordinate y Beam angle correspondence SPHERE_360	Capabilities	
Energy efficiency class Energy consumption 9.00 kWh/1000h Country-specific categorizations ILCOS FSDH-9/827-/P/-2G7 Order reference DULUX S/E 9W82 Energy labelling regulation data acc EU 2019/2015 Lighting technology used CFLNI Non-directional or directional NDLS Mains or non-mains NMLS Light source cap-type (or other electric interface) 2G7 Connected light source (CLS) No Color-tuneable light source (CLS) No High luminance light source Envelope No High luminance light source No Correlated colour temperature type SINGLE_VALUE Claim of equivalent power Length 151.80 mm Height 12.00 mm Width 12.00 mm Chromaticity coordinate x Chromaticity coordinate y Beam angle correspondence SPHERE_360	Dimmable	Yes
Energy consumption COUNTRY-specific categorizations ILCOS FSDH-9/827-/P/-2G7 Order reference DULUX S/E 9W/82 Energy labelling regulation data acc EU 2019/2015 Lighting technology used CFLNI Non-directional or directional Mins or non-mains NMLS Light source cap-type (or other electric interface) Connected light source (CLS) No Color-tuneable light source Envelope No High luminance light source SINGLE_VALUE Claim of equivalent power Length Height 12.00 mm Width Chromaticity coordinate x Chromaticity coordinate y Envelope Ro SPHERE_360	Certificates & Standards	
Country-specific categorizations ILCOS FSDH-9/827-/P/-2G7 Order reference DULUX S/E 9W/82 Energy labelling regulation data acc EU 2019/2015 Lighting technology used CFLNI Non-directional or directonal NDLS Mains or non-mains NMLS Light source cap-type (or other electric interface) 2G7 Connected light source (CLS) No Color-tuneable light source No Envelope No High luminance light source No Correlated colour temperature type SINGLE_VALUE Length 151.80 mm Height 12.00 mm Width 12.00 mm Chromaticity coordinate y DATE SPHERE_360	Energy efficiency class	G
ILCOS FSDH-9/827-/P/-2G7 Order reference DULLUX S/E 9W/82 Energy labelling regulation data acc EU 2019/2015 Lighting technology used CFLNI Non-directional or directional NDLS Mains or non-mains NMLS Light source cap-type (or other electric interface) 2G7 Connected light source (CLS) No Color-tuneable light source No Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Claim of equivalent power No Length 151.80 mm Height 12.00 mm Width 12.00 mm Chromaticity coordinate x 0,415 Beam angle correspondence SPHERE_360	Energy consumption	9.00 kWh/1000h
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Non-directional or directional Non-mains NMLS Light source cap-type (or other electric interface) Connected light source (CLS) No Color-tuneable light source No Envelope No Anti-glare shield No Correlated colour temperature type Claim of equivalent power Length Height Height Width 12.00 mm Width Chromaticity coordinate y Envelope OFLNI DULUX S/E 9W/82 CFLNI Beam angle correspondence DULUX S/E 9W/82 BULUX S/E 9W/82 BULUX S/E 9W/82 BULUX S/E 9W/8 BULUX S/E 9W/8 BULUX S/E 9W/8 BULUX S/E 9W/8 BULUX S/E 9W/8	Country-specific categorizations	
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Non-directional or directional Mains or non-mains NMLS Light source cap-type (or other electric interface) 2G7 Connected light source (CLS) No Color-tuneable light source No Envelope No High luminance light source No Correlated colour temperature type SINGLE_VALUE Claim of equivalent power Length Height 12.00 mm Width 12.00 mm Chromaticity coordinate x Chromaticity coordinate y Beam angle correspondence SPHERE_360	ILCOS	FSDH-9/827-/P/-2G7
Lighting technology used Non-directional or directional Mains or non-mains NMLS Light source cap-type (or other electric interface) Connected light source (CLS) No Color-tuneable light source No Envelope No High luminance light source No Correlated colour temperature type Claim of equivalent power Length Height Width 12.00 mm Chromaticity coordinate x Chromaticity coordinate y Beam angle correspondence CELNI NDLS NMLS NMLS Log 7 No No No SINGLE_VALUE SINGLE_VALUE 151.80 mm 12.00 mm Chromaticity coordinate y O,415 SPHERE_360	Order reference	DULUX S/E 9W/82
Non-directional or directional Mains or non-mains NMLS Light source cap-type (or other electric interface) Connected light source (CLS) No Color-tuneable light source Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Claim of equivalent power Length Height 12.00 mm Width 12.00 mm Chromaticity coordinate x O,455 Chromaticity coordinate y Beam angle correspondence NMLS SGR NMLS NO NO NO 12.00 mm Chromaticity coordinate y SPHERE_360	Energy labelling regulation data acc EU 2019/2015	
Mains or non-mains Light source cap-type (or other electric interface) 2G7 Connected light source (CLS) No Color-tuneable light source No Envelope No High luminance light source No Correlated colour temperature type SINGLE_VALUE Claim of equivalent power Length Height 12.00 mm Writh Chromaticity coordinate x O,415 Envelope SPHERE_360	Lighting technology used	CFLNI
Light source cap-type (or other electric interface) Connected light source (CLS) No Color-tuneable light source No Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Claim of equivalent power Length Height 151.80 mm Height Width 12.00 mm Chromaticity coordinate x O,455 Chromaticity coordinate y Beam angle correspondence SPHERE_360	Non-directional or directional	NDLS
Connected light source (CLS) Color-tuneable light source No Envelope No High luminance light source No Anti-glare shield Correlated colour temperature type SINGLE_VALUE Claim of equivalent power No Length Height 15.1.80 mm Height 12.00 mm Width 12.00 mm Chromaticity coordinate x Chromaticity coordinate y Beam angle correspondence SPHERE_360	Mains or non-mains	NMLS
Color-tuneable light source Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Claim of equivalent power No Length Height 12.00 mm Width 12.00 mm Chromaticity coordinate x O,455 Chromaticity coordinate y Beam angle correspondence SNO SPHERE_360	Light source cap-type (or other electric interface)	2G7
Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Claim of equivalent power No Length 151.80 mm Height 12.00 mm Width 12.00 mm Chromaticity coordinate x 0,455 Chromaticity coordinate y 9,415 Beam angle correspondence SPHERE_360	Connected light source (CLS)	No
High luminance light source Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Claim of equivalent power No Length 151.80 mm Height 12.00 mm Width 12.00 mm Chromaticity coordinate x O,455 Chromaticity coordinate y Beam angle correspondence SPHERE_360	Color-tuneable light source	No
Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Claim of equivalent power No Length 151.80 mm Height 12.00 mm Width 12.00 mm Chromaticity coordinate x 0,455 Chromaticity coordinate y 0,415 Beam angle correspondence SPHERE_360	Envelope	No
Claim of equivalent power Claim of equivalent power Length Height 12.00 mm Width 12.00 mm Chromaticity coordinate x O,455 Chromaticity coordinate y Beam angle correspondence SINGLE_VALUE No No 151.80 mm 12.00 mm 12.00 mm O,455 Chromaticity coordinate x O,415 SPHERE_360	High luminance light source	No
Claim of equivalent power Length 151.80 mm Height 12.00 mm Width 12.00 mm Chromaticity coordinate x 0,455 Chromaticity coordinate y Beam angle correspondence SPHERE_360	Anti-glare shield	No
Length151.80 mmHeight12.00 mmWidth12.00 mmChromaticity coordinate x0,455Chromaticity coordinate y0,415Beam angle correspondenceSPHERE_360	Correlated colour temperature type	SINGLE_VALUE
Height 12.00 mm Width 12.00 mm Chromaticity coordinate x 0,455 Chromaticity coordinate y 0,415 Beam angle correspondence SPHERE_360	Claim of equivalent power	No
Width 12.00 mm Chromaticity coordinate x 0,455 Chromaticity coordinate y 0,415 Beam angle correspondence SPHERE_360	Length	151.80 mm
Chromaticity coordinate x 0,455 Chromaticity coordinate y 0,415 Beam angle correspondence SPHERE_360	Height	12.00 mm
Chromaticity coordinate y 0,415 Beam angle correspondence SPHERE_360	Width	12.00 mm
Beam angle correspondence SPHERE_360	Chromaticity coordinate x	0,455
	Chromaticity coordinate y	0,415
EPREL ID 546499	Beam angle correspondence	SPHERE_360
	EPREL ID	546499

AC34274

EQUIPMENT / ACCESSORIES

Model number

- Suitable for operation on electronic control gear

Safety advice

- In case of lamp breakage: www.ledvance.com/brokenlamp

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	Declarations of conformity	EC Declaration of Conformity - 2021 9C1-4077883-EN-00 - DULUX S
PDF	Certificates	EAC RU C-DE.HA46.B.01131_21 21.05.2021-20.05.2026 Expert Certification - CFLpin
PDF	Certificates	EAC N RU D-DE.MU62.B.00933_20 06.03.2020-05.03.2025 Prommash Test - CFLpin

Photometric and lighting design files	Document name
Spectral power distribution	349636_FL_827

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300017655	Folding box 1	22 mm x 38 mm x 157 mm	33.20 g	0.13 dm ³
4050300251264	Shipping box 10	126 mm x 86 mm x 173 mm	378.00 g	1.87 dm ³

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.