

# 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





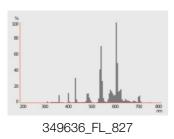
## TECHNICAL DATA

## Electrical data

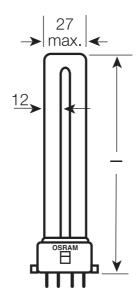
Nominal wattage	9 W
Construction wattage	8.70 W
Nominal voltage	60 V
Nominal current	0.17 A

## 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
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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  Beam angle correspondence  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  SGT  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**

- Suitable for operation on electronic control gear

Model number

## 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 <sup>3</sup>
4050300251264	Shipping box 10	126 mm x 86 mm x 173 mm	378.00 g	1.87 dm <sup>3</sup>

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.