

# **DUISA**

**DUISA**  
Emergency lighting

[www.duisa.com](http://www.duisa.com)



Duisa was founded in 1999 focusing its activities on the development of new products in the emergency lighting and signalling sector.

Duisa focusses on the innovation and quality and this has allowed it to contribute to the creation of competitive technical solutions for a more and more demanding market, like the emergency lighting which involves people's safety.

From the beginning, Duisa has been principally characterized by its vocation for exporting, providing the necessary means to the adaptation to the new needs and demands of the market. At the moment it operates in different countries all around the world.

# DUISA

**Product development characterized by the accomplishment of the following requirements:**

**Installation costs and electricity consumption savings: use of cool technology.**

Quick-fix connection system employing a base plate for easy installation.

Charging system based on low-heat capacitive impedance which increases the power of the installation, saving electricity costs.

**Durability, long life: manufactured with first-class materials**

"Polycarbonate" plastic material which complies with the European normative EN-60598-2-22 relating to the glow wire test 850°

Top brand fluorescent lamps guaranteeing a long life.

High temperature Ni-CD rechargeable batteries.

Mains present / Battery charging LED indicators.

**Aesthetic image: Wide range of models with various fitting options**

Surface, Recessed and Flush mounted in walls and ceilings.

Various finishing trims

Sealed protection for Series eco-ES.

Compact dimensions adapting to any environment

**Environmentally friendly: Developed and manufactured following the EcoDesign criteria**

Halogen free printed circuits.

Low-weight due to absence of input transformer.

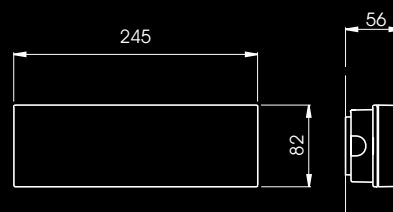
Less consumption and automatic power factor correction due to its "cool technology"

# D-eco Series

surface



D-eco (1)



(1) See reference **D-eco** Series

Reference	Lumens	Lamp	Autonomy	Per Pack
D-eco 40	40	FL 6 W	1 h.	20 units
D-eco 70	70	FL 6 W	1 h.	20 units
D-eco 100	100	FL 6 W	1 h.	20 units
D-eco 160	160	FL 6 W	1 h.	20 units
D-eco 240	220	FL 6 W	1 h.	20 units
D-eco 300	300	PL 9 W	1 h.	20 units
D-eco 350	360	PL 9 W	1 h.	20 units
D-eco 90 - 2	100	FL 6 W	2 h.	20 units
D-eco 60 - 3	70	FL 6 W	3 h.	20 units

All models come with On/Off pushbuttons as standard. Should you require remote control then please add a "T" to the end of the reference code.

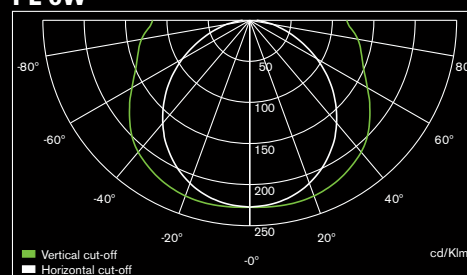
## Accessories

Reference	Description	Colour
50 TE	Remote control	Grey
EC...	Emergency sign (1) (2)	Green

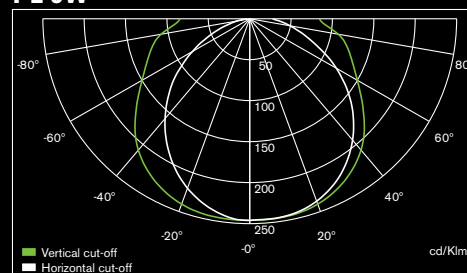
(1) See references **D-eco** on page 12  
 (2) Special signs available on request.

## Photometric curves

### FL 6W



### PL 9W

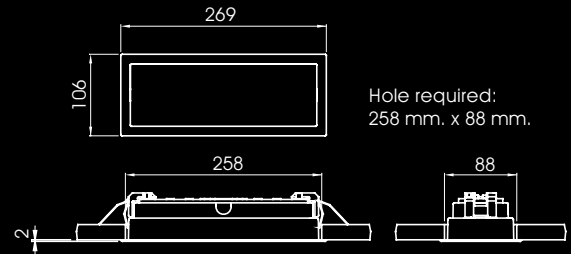


# D-eco



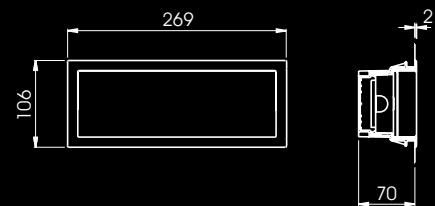
# D-eco Series

## flush in ceiling



(1) See reference **D-eco** Series on page 2

## flush in wall



(1) See reference **D-eco** Series on page 2

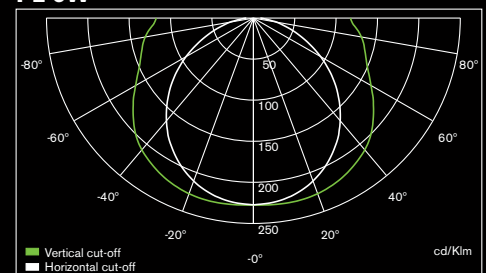
### Accessories

Reference	Description	Colour
50 TE	Remote control	Grey
AEPB D-eco	Wall flush mounting accessory.	White
AEPGP D-eco	Wall flush mounting accessory.	Silver grey (RAL9006)
AETB D-eco	Ceiling flush mounting accessory.	White
AETGP D-eco	Ceiling flush mounting accessory.	Silver grey (RAL9006)
EC...	Emergency sign (1) (2)	Green

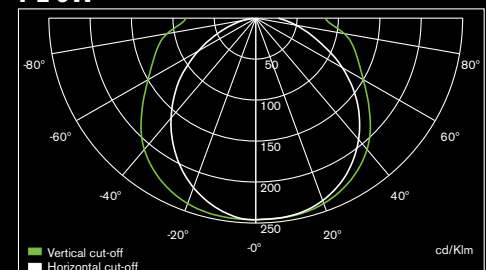
(1) See references **D-eco** on page 12  
 (2) Special signs available on request.

### Photometric curves

#### FL 6W



#### PL 9W



# D-eco

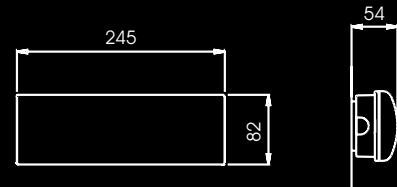


# eco Series

## surface



eco (1)



(1) See reference **eco** Series

Reference	Lumens	Lamp	Autonomy	Per Pack
eco 40	40	FL 6 W	1 h.	20 units
eco 70	70	FL 6 W	1 h.	20 units
eco 100	100	FL 6 W	1 h.	20 units
eco 160	160	FL 6 W	1 h.	20 units
eco 240	220	FL 6 W	1 h.	20 units
eco 300	300	PL 9 W	1 h.	20 units
eco 350	360	PL 9 W	1 h.	20 units
eco 90 - 2	100	FL 6 W	2 h.	20 units
eco 60 - 3	70	FL 6 W	3 h.	20 units

All models come with On/Off pushbuttons as standard.  
Should you require remote control then please add a "T" to the end of the reference code.

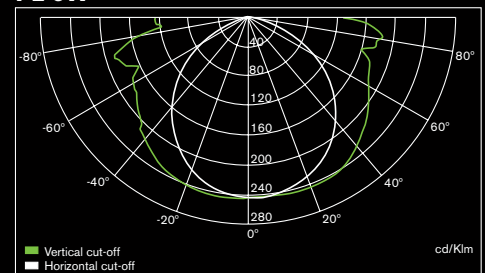
### Accessories

Reference	Description	Colour
50 TE	Remote control	Grey
EC...	Emergency sign (1) (2)	Green

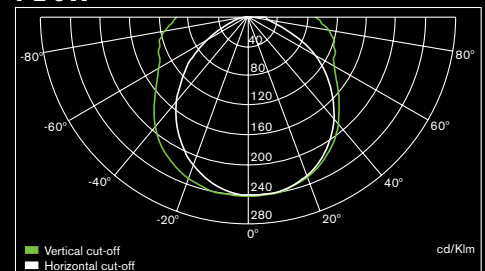
(1) See references **eco** on page 12  
(2) Special signs available on request.

### Photometric curves

#### FL 6W



#### PL 9W



# eco



# eco Series

## recessed in wall



eco (1)+ APB eco

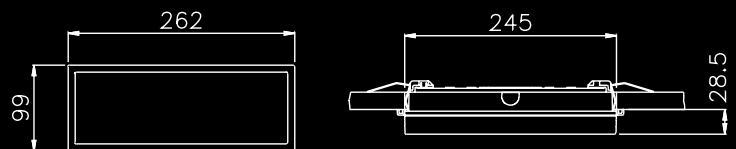


(1) See references **eco** Series on page 6

## recessed in ceiling



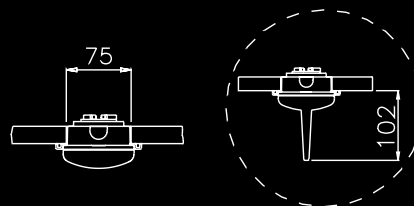
eco (1)+ ATB eco



(1) See reference **eco** Series on page 6



eco (1) + ATB eco + eco DBC



(1) See reference **eco** Series on page 6

### Accessories

Reference	Description	Colour
APB eco APC eco APN eco APO eco	Wall recessing accessory	White Chrome Nickel Gold
ATB eco ATC eco ATN eco ATO eco	Ceiling recessing accessory	White Chrome Nickel Gold
eco DBC	Double sided diffuser	Opal
50 TE	Remote control	Grey
EC...	Emergency sign (1) (2)	Green

(1) See references **eco** on page 12

(2) Special signs available on request.

# eco



# eco-ES Series

sealed



eco-ES (1)

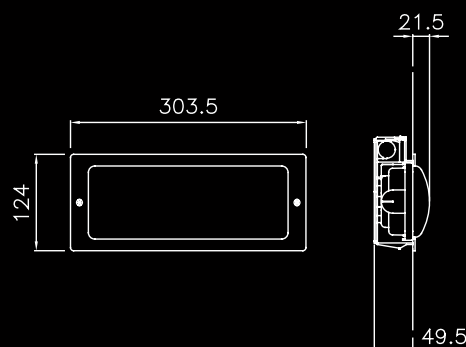


(1) See reference **eco-ES** Series

sealed recessed



eco-ES (1) + APES eco

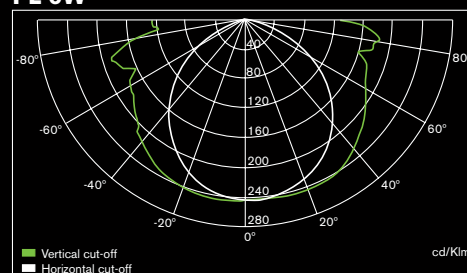


(1) See reference **eco-ES** Series

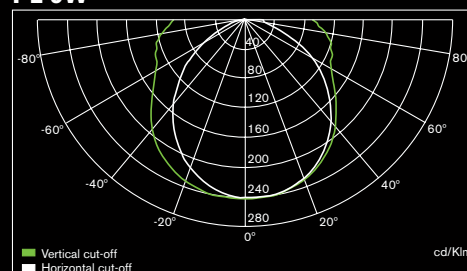
# eco

## Photometric curves

### FL 6W



### PL 9W



Reference	Lumens	Lamp	Autonomy	Per Pack
eco-ES 40	40	FL 6 W	1 h.	12 units
eco-ES 70	70	FL 6 W	1 h.	12 units
eco-ES 100	100	FL 6 W	1 h.	12 units
eco-ES 160	160	FL 6 W	1 h.	12 units
eco-ES 240	220	FL 6 W	1 h.	12 units
eco-ES 300	300	PL 9 W	1 h.	12 units
eco-ES 350	360	PL 9 W	1 h.	12 units
eco-ES 90 - 2	100	FL 6 W	2 h.	12 units
eco-ES 60 - 3	70	FL 6 W	3 h.	12 units

All models come with On/Off pushbuttons as standard. Should you require remote control then please add a "T" to the end of the reference code.

### Accessories



Reference	Description	Colour
50 TE	Remote control	Grey
APES eco	Wall recessing accessory	Inox
EC...	Emergency sign (1) (2)	Green

(1) See references **eco** on page 12

(2) Special signs available on request.



### Technical characteristics

- Feed voltage: 230V-50 Hz or 110/120V-60 Hz.
- Autonomous, with non-permanent stand-by.
- Protection level for Series D-eco and eco: IP 22 IK 04. Class II 
- Suitable for direct mounting on normally flammable surfaces. 
- Rechargeable high-temperature NiCd sealed accumulators.
- Battery charge time: 24 hours.
- Deep discharge battery protection.
- Overcurrent protection.
- Switches over to emergency when the mains supply drops to 70% of its nominal value.
- Mains present / Battery Charging indicators using bright, long-life LEDs (approx. 100.000 hours).
- Front panel On/Off pushbuttons as standard.
- Remote control option. Suitable to be placed in a DIN 46277/3 rail, EN 50022 of an electric panel. Its width is equivalent to 4 standard magnetothermal switches.
- Simulated mains failure test.
- Surface, Recessed and Flush mounted in walls and ceilings.
- Sealed Eco protection for the Series eco-ES.  
Protection level: IP 65 IK 07. Surface and recessed mounted in wall
- Quick-fix connection system on all models employing a base plate for an easy installation.
- Four possible power inlets, three side ones for tubes and one rear one.
- Terminals for connecting wires of up to 2 x 2,5 mm<sup>2</sup> per pole.
- Quick-fit, screw-free recessing boxes.

### Complies with standards

EN 60598-2-22  
EN 55015  
EN 61000-3-2  
EN 61547



Complies with Low Voltage 2006/95/EC, Electromagnetic Compatibility 2004/108/EC and RoHS 2002/95/EC Directives.

### Emergency sign

D-eco: Ref.: EC0110  
eco: Ref.: EC0010



D-eco: Ref.: EC0112  
eco: Ref.: EC0012



D-eco: Ref.: EC0113  
eco: Ref.: EC0013



D-eco: Ref.: EC0114  
eco: Ref.: EC0014



D-eco: Ref.: EC0115  
eco: Ref.: EC0015



D-eco: Ref.: EC0116  
eco: Ref.: EC0016



D-eco: Ref.: EC0117  
eco: Ref.: EC0017



D-eco: Ref.: EC0124  
eco: Ref.: EC0024



D-eco: Ref.: EC0129  
eco: Ref.: EC0029



**DUI SA**

***DUISA***  
Emergency lighting

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