



# smartwares®

Model DL113W / DL113BC / DL113SN

Luminaire suitable for 30 Min. 60 Min. & 90 Min. fire rated timber ceiling & suspended ceilings

## IMPORTANT SAFETY INSTRUCTIONS

These instructions must be read before use. Please retain for future reference.

Before starting any electrical work or maintenance always switch OFF the mains supply and remove the appropriate circuit fuse. This luminaire should be installed by a competent person (i.e. qualified electrician) and wired in accordance with the current edition of the IEE Wiring regulations (BS7671 Requirements for Electrical Installation 17th Edition) and Part P of the Regulations and appropriate statutory regulations. This luminaire is designed for connection to a 240 Volt supply. It is rated Class II  and must not be earthed. Always check the lamp is correct for the application including its wattage and voltage. Special attention should be paid to installations with low ceiling voids.

### Installation Notes

We recommend that a sample hole be cut in some scrap material to familiarise yourself with the installation. Once you are completely satisfied read these instructions and check you have all the tools and accessories to complete the installation correctly.

Choose the position of the luminaire to provide the lighting effect you require and check the following:

- There is no obstruction by joists, pipes or electrical wiring above the ceiling
- There is a minimum ceiling void depth of 100mm
- There must be at least 0.5m distance between the front of the luminaire and the nearest directly illuminated surface, such as the top of a cupboard
- The luminaire must have adequate free air flow around it. There must be no insulation materials within 75mm of the luminaire. It must not be covered.
- Do not install the luminaire into new plaster or damp areas

### WIRING

1. Before commencing installation or maintenance, the electricity supply must be isolated. We recommend that the circuit fuse is withdrawn to prevent accidental switching on whilst work is in progress.
2. Draw the mains cable through the hole in the ceiling and remove the terminal block wiring cover.
3. Ensure that the incoming mains cables correspond to the labelled terminal within the unit. The incoming live supply wire must be opposite the terminal L (Brown Wire), and the incoming Neutral supply wire must be opposite the terminal N (Blue Wire) within the terminal block. It is important that the basic (single insulated) cables are not visible outside the terminal block. Secure the terminal block cover.
4.  This unit is double insulated and must not be earthed. Please note: If there are any incoming earth cables, they must be joined together and well insulated. This is to ensure earth continuity throughout your property.

Ensure that no loose strands of conductor are left exposed or protrude from the terminals.

### Installation

#### FITTING

1. Push/squeeze the metal fitting clips upwards and fit into the ceiling hole.
2. Push the unit upward until firmly in position, ensuring that the cable is not trapped.
3. Replace the circuit fuse and switch on the mains to test.

#### REMOVAL

Should you need to remove the unit, switch off at the mains. Grip the inside of the downlighter and pull downwards. Replacement is as instructed above under FITTING.



DIAGRAM ILLUSTRATING HOW TO INSTALL THE FITTING INTO THE CEILING



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## Using the Downlight in Bathrooms

The illustration and notes below are based on BS 7671: 2008 Requirements for Electrical Installations, IEE Wiring Regulations 17th Edition, Section 701 and are provided only as a guide. For comprehensive details including installations without a bath or shower basin please look in this document.

### Usage

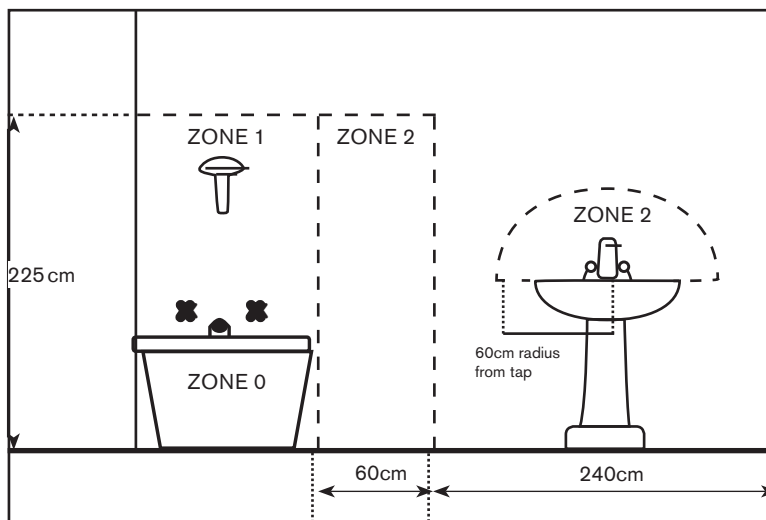
In accordance with the regulations above, when this luminaire is used in Zone 1 or 2 the lighting circuit must have protection provided by a residual current device having a rated residual operating current, not exceeding 30 mA. This mains voltage luminaire is protected to a rating of IP 65 from the front when mounted in a horizontal ceiling.

Suitable for bathrooms zones 1 and 2

### Bathroom Zone Guide

Please note: This is a guide for household use.

Please consult a qualified electrician for further assistance.



smartwares® safety & lighting	NL : 0900-2088888 Lokaal tarief
	BE : 070-233031 (NL) Lokaal tarief : 0800-97570 (FR) Gratuit
Broekakkerweg 15 5126 BD Gilze The Netherlands	FR : 0825 560 650 15ct/min
	DE : +49 (0) 1805 010762 14Ct./Min. dt. Festnetz, Mobil max. 42Ct./Min
WWW.SMARTWARES.EU	UK : +44 (0) 345 230 1231
	ES : +34 938427589

CUSTOMER SERVICE



This product contains an Integrated COB LED.  
The COB LED cannot be replaced.  
Do not attempt to open, modify or repair this product



This luminaire CANNOT be mounted on normally flammable surfaces



This product should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority for recycling advice