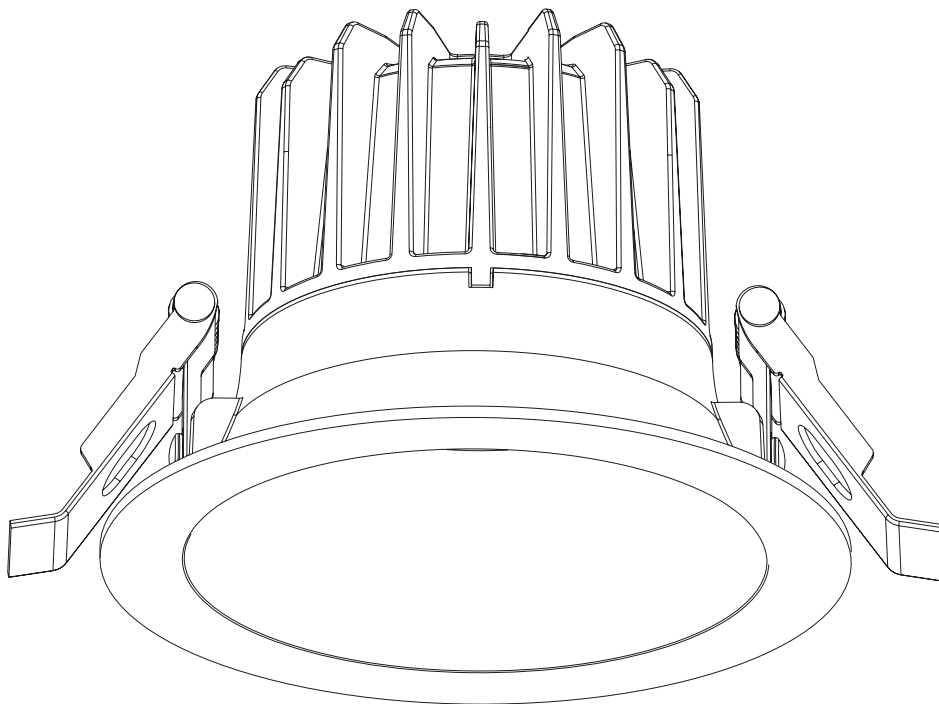


ART. NO.

102790-2-36-2
102790-2-36-3
102791-2-36-2
102791-2-36-3
102791-2-60-2
102791-2-60-3

102792-2-60-2
102792-2-60-3
102793-2-60-2
102793-2-60-3
102794-2-60-2
102794-2-60-3

NORLUX®*Lighting Solutions*

NDL-B Downlight

INSTALLATION MANUAL

**⚠ Safety Notes:**

- The product must be installed, maintained, and operated as instructions below.
- Before starting installation of this product, make sure power supply is disconnected.
- Only to be installed by authorized electrician.
- Do not use abrasives or solvents when cleaning.
- Do not install the product if it appears damaged in any way. Check with manufacturer if in doubt.
- Do not modify this fitting in any matter as this will void warranty.
- Check protection class, if class I, it must be earthed.
- Disconnect power supply before maintenance or cleaning.

⚠ Sikkerhetsinformasjon:

- Følg installasjonsmanual for korrekt montering.
- Koble alltid fra strømmen før montering eller vedlikehold.
- Kan kun monteres av autorisert elektriker.
- Monter ikke produktet hvis det er synlig skade. Kontakt forhandler eller produsent.
- Bruk ikke løsemidler ved rengjøring
- Produktet skal ikke under noen omstendigheter endres eller modifiseres.
- Sjekk produktets isolasjonsklasse. Ved isolasjonsklasse I skal produktet jordes.

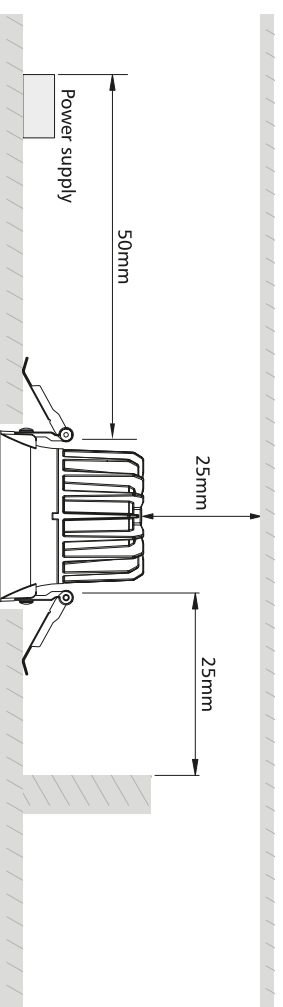
■ Important Safety Instructions

Basic safety precautions should always be followed when installing, including the following:

1. Read instructions & check you have all the tools & accessories to complete the installation correctly.
2. Licensed electrician for installation only.
3. Always ensure the power is OFF and the fitting has cooled down before performing any maintenance, cleaning, changing the globe or adjustment to the fitting.
4. Do not install any luminaire near the heat source.
5. Do not exceed the nominal supply voltage or amperege ratings.
6. To avoid injury or damage to the fitting, please ensure that power leads and screws are secure before connecting the power.

■ Installation Instruction

Fig 1 : Installation Spacing



Ceiling cutout table

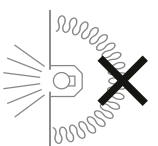
Downlight diameter (mm)	190 mm	235 mm
Ceiling Cutout (mm)	Ø160-175	Ø195-230

For Lamp:

RISK OF FIRE -- Required clearance from structural members and building elements	HCB: Height clearance to building element MIC: Minimum insulation clearance SCI : Side clearance to insulation
SCB=25mm HCB=25mm MIC=25mm SCI=25mm	SCB: Side clearance to building element SCG(Side clearance to auxiliary equipment (control gear (CG)):50mm

For LED driver:

RISK OF FIRE -- Required clearance from structural members and building elements	
SCB=25mm HCB=25mm MIC=25mm SCI=25mm	



ARNING-RISK OF OVERHEATING OR FIRE IF THE CLEARANCE DISTANCES

IP rating table: Before installation, please check the IP label on the luminaire to choose the right place to install.

IP20/IP40	Indoor use only, do not use in wet or damp place.
IP44/IP54	Suitable for indoor areas including bathrooms and covered/sheltered areas such as porches.

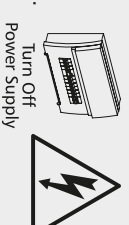
Dimmer selection table: Before installation, please check the information of driver as below.

Non-dim	Can not be used with any dimmer.
Triac dim	Compatible with recommended TRIAC dimmers, dimming range 8-100%.
0/1-10V	Only work with 0/1-10V dimming system, dimming range 8-100%.
DALI	Only work with DALI dimming system, dimming range 8-100%.

■ Installation Procedure

WARNING

1. Switch off before installation.
2. Switch on only after complete installation and examination of the circuit.
3. Professional electrician for installation and maintenance only.



■ Down light with external driver

