



MINUS ONE

Low Voltage, Recessed Downlight - The Minus downlight series by Apure brings sophistication to interior spaces with its never-before-seen performance combined with a glare-free appearance. A single high performance LED is combined with precision-focusing optics to create an unprecedented light fixture. A robust proprietary driver ensures equal light output, regardless of voltage drops. High-tech microprocessor-controlled, thermal management ensures reliability and a long life.

Construction

- Hard anodized aircraft grade aluminum heat sink
- Proprietary optics for maximum light output
- 50,000 hours LED lifetime
- Fixture weight: 720g (1.58lbs)
- Operating Temperature: -10°C - 50°C

Light output

- 1140lm source light output
- Sharply defined 20° or 40° light output
- High performance Cree LED at various color temperatures available
- Color rendering index 90
- Microprocessor controlled thermal protection

Electrical Specifications

- Class 2 Fixture
- 12.5W Power Consumption
- 12V @1000mA DC Input
- Apure power supplies required for guaranteed performance and fixture lifetime. **Constant Voltage Only!**

Trimless Recessed Installation

- Standard installation for the Minus One is accomplished with the use of our universal bracket (AM2-BRK-UXX) shown above, which allows the Minus One to be installed within new or pre-existing drywall ceilings.
- Drywall brackets can be specified with gypsum boards to accommodate ceiling thicknesses of 10mm, 12.5mm, 15mm and 18mm.
- 209mm X 209mm square cutout required.

Listings / Patents

- CE Rating, SELV
- IP43
- Safety Class 3
- Patented and Patents Pending



ORDERING INFORMATION

SERIES NO.	MODEL	TYPE	ORIENTATION	TEMPERATURE	CRI	LENS	PROTOCOL
AM - Minus Series	1 - Minus One	1 - LED	F - Fixed	27 - 2700k 30 - 3000k 40 - 4000k	90 - 90 CRI	S - 20° Spot F - 40° Flood	EU - Euro
AM11F-__							

ORDERING EXAMPLE AM11F-3090FEU

Project:

Type:

EU/INT'L

Accessories

Required Accessories	Part Number	Cutsheet Available	Release Date
Apure DALI Supply (1-4 Fixtures DALI/0-10V Dim)	AA3-DALI-D-EU	Yes	Available
Apure Triac Supply (1-2 Fixtures Phase Dim)	AA3-2202-D-EU	Yes	Available
Apure Triac Supply (3-5 Fixtures Phase Dim)	AA3-2205-D-EU	Yes	Available

Custom Installation Types

- The universal bracket (AA2-BRK-U) is intended only for drywall installations.
- System ceilings, stone, wood, fiberglass, tile and metal ceiling integrations are accomplished through custom fabrication by others.
- Speak to an authorized Minus reseller for more information about custom ceiling integrations.
- While Apure will make every effort to accommodate custom integrations, there are restrictions and not all materials are suitable for installations.
- Fixture must have a **minimum clearance** of 6 inches (15cm) below or horizontally from the light source at all times!
- Observe and follow all NEC codes, local and maritime codes, when applicable.
- Read and adhere to all instructions supplied with each power supply and fixture!

Wiring Diagram

- Minus fixtures are to be wired to the power supply using min. 16AWG cable.
- Follow all instructions supplied by power supply / driver manufacturer!
- Before any mudding, finishing or painting - test that all fixtures are functioning properly!
- Always remember to cap off the output wires of the last fixture in a series!

