DOWNLIGHT COLLECTION · RECESSED

NEPTUNE-A

Recessed high-power LED downlight in SS 316L or aluminium · 3 sizes · wide beam



POWER 3 · 6 · 12 W	EFFICACY 125 lm/W
LIGHT SOURCE LED · CRI 80	BEAM Wide
PROTECTION IP44 – IP66	BODY SS 316L · Al

Overview

NEPTUNE-A is a recessed downlight with a body in marine-grade SS 316L stainless steel or aluminium. A high-power LED source with CRI 80 delivers up to 125 lm/W with a wide beam. Three sizes — Neptune-a-50, Neptune-a-70 and Neptune-a-80 — provide 3 W, 6 W and 12 W in 2700K, 3000K, 4000K or DW (dynamic white) + red. The luminaire runs on 8–32 VDC with an integrated driver, dims via PWM and can be integrated into 1–10V, DMX512, DALI and Wi-Fi control systems. With IP44 to IP66 protection and ten body finishes, NEPTUNE-A fits interior and exterior areas on board.

Specifications

Power	**3 W / 6 W / 12 W (3 models)**
Supply voltage	**8–32 VDC**
Driver	**Integrated**
Dimming	**PWM**
Colour temperature	**2700K / 3000K / 4000K / DW (dynamic white) + red**
Luminous efficacy	**125 lm/W (max.)**
Light source	**High-power LED**
Colour rendering	**CRI 80**
Beam	**Wide**
Body material	**SS 316L or aluminium**
Body finishes	**10 options (see page 2)**
IP rating	**IP44 – IP66**
Operating temperature	**–30 °C … +50 °C**
Protection class	**III**
Installation	**Recessed, spring clips**

Front View



Compliance

UKCA
UK conformity assessed

CE
European conformity

RoHS
RoHS compliant

Class III
Safety extra-low voltage

F mark
For normally flammable surfaces

–30 °C … +50 °C
Operating temperature

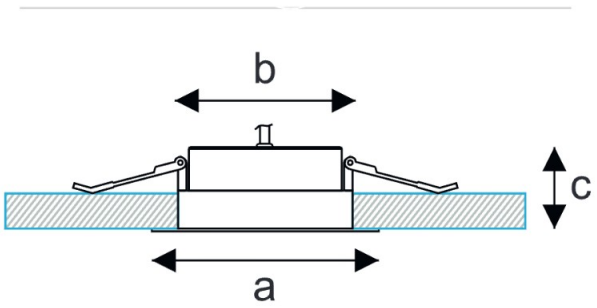
ORDERING INFORMATION

Product Code

NEA	50 · 70 · 80	3 · 6 · 12	316 · AL	PSS ... G	2700K · 3000K · 4000K · D	WIDE
SERIES NEPTUNE-A	SIZE 50 / 70 / 80	POWER (W) Matches size	BODY SS 316L / Aluminium	FINISH See body finishes	CCT	BEAM

Example: NEA-70-6-316-MSS-3000K-WIDE — Neptune-a-70, 6 W, SS 316L, matt 316L finish, 3000K, wide beam

Dimensions (mm)



Models

MODEL	CODE	POWER	A	B	C
Neptune-a-50	NEA-50-3	3 W	70	50	35
Neptune-a-70	NEA-70-6	6 W	90	70	35
Neptune-a-80	NEA-80-12	12 W	100	80	35

a: outer trim width · b: body width · c: overall height. All dimensions in mm.

Body Finishes

- **PSS** Polished 316L
- **MSS** Matt 316L
- **SSS** Satine 316L
- **MB** Matt Black
- **MW** Matt White
- **RAL** RAL Code
- **AN** Silver Anodised
- **MBR** Matt Bronze
- **MG** Matt Gold
- **G** Gold

Beam



Colour Temperature

- 2700K Extra warm white
- 3000K Warm white
- 4000K Neutral white
- DW+RED Dynamic white + red

Control Options



- **PWM** — integrated dimming
- **1–10V** — via compatible controller
- **DMX512** — via compatible decoder
- **DALI** — via compatible controller
- **Wi-Fi** — via compatible Wi-Fi controller

Light output and power may vary by up to ±10% due to production and component tolerances. Driver integrated; supply 8–32 VDC. IES files available on request.