Nuordic
Human Centric Lighting

PROJECT	TYPE	QTY

STEP LIGHT · TRIMLESS GYPSUM · 40 × 100MM RECTANGULAR APERTURE · IP20

N55-S05

Trimless Gypsum Rectangle Step Light

The gypsum housing is plastered into the wall and skimmed flush, so once the wall is painted there is no trim, no shadow gap and no visible fixture — only a slot of light in the surface. The wall and the luminaire read as one surface.

A curved internal baffle carries the light out of the aperture while keeping the COB itself out of any sightline, so a run reads as a line of soft vertical slots rather than a row of bright points. At 3W and 58mm of installed depth it fits a standard stud wall and needs no plenum.

TRIMLESS · PLASTER-IN | 58MM INSTALLED DEPTH | 90RA CRI | CONCEALED SOURCE | SPLIT BODY · SERVICEABLE | PAINTABLE FINISH

N55-S05-W-30-T
Gypsum housing with perforated plaster wings; the light body drops in from the front after skimming.

APERTURE	POWER	LIFESPAN	CRI	BEAM	DEPTH
40 × 100	3W max	50,000h	90Ra	50°	58mm

SPECIFICATION

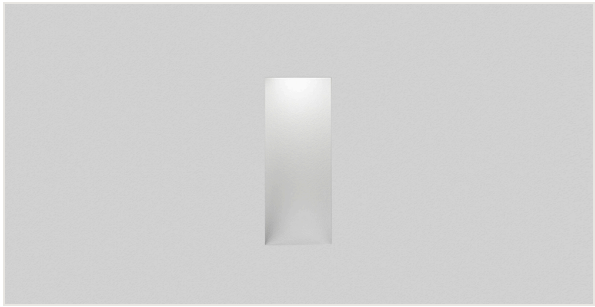
ELECTRICAL	
Power	**3W max**
Drive	**DC24V CV · CC · DC18V CC**
Dimming	**Triac · 0–10V · DALI-2**

PHYSICAL	
Embedded parts	**Trimless**
Mounting	**Recessed**
IP rating	**IP20**

OPTICAL	
Light source	**LED COB**
CRI	**90Ra**
Beam angle	**50°**
Lifespan	**50,000 hrs**

MATERIALS	
Housing	**Gypsum**
Light body	**Aluminium**
Finish	**White, paintable**

FINISHED WALL



Skimmed and painted with the wall — the aperture is the only thing that reads, and it takes the wall's own colour.

SAMPLE CATALOG NO.

N55-S05-W-30-T

Trimless gypsum step light, white finish, static 3000K, Triac phase-cut dimming — the static engine runs DC24V CV or constant current. Full ordering matrix on page 2.

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BUILD THE CATALOG NUMBER

SERIES – VERSION – FINISH – ENGINE – CONTROL

SERIES	VERSION	FINISH	ENGINE	CONTROL
N55 Step light series	**S05** Trimless gypsum, rectangular aperture — recessed, IP20 dry location	○ **W** White — gypsum takes any wall paint after skimming	STATIC · DEFAULT **27** 2700K **30** 3000K **35** 3500K **40** 4000K DIM TO WARM **1830** 1800–3000K TUNABLE WHITE **2765** 2700–6500K	**N** On/off, non-dim **T** Triac / phase-cut **V** 0–10V single channel **V2** 0–10V two channel **D** DALI (DT6) — single channel **D8** DALI-2 DT8 — tunable white only

Drive voltage is not an order field — the engine sets it, per the table below. The light body runs on low-voltage DC from a remote driver; place the driver in an accessible location within reach of the wall cavity.

ENGINE & DRIVE COMPATIBILITY

The drive voltage is set by the engine — not freely interchangeable

ENGINE	CCT	DRIVE	DRIVER ARRANGEMENT	CONTROL	LEAD TIME
Static	2700K · 3000K 3500K · 4000K	**DC24V CV or CC**	One CV driver feeds multiple fixtures; a CC driver is tethered or remote, one per run	On/off · Triac 0–10V · DALI	10–14 days
Dim to warm	1800–3000K	**DC18V CC** only	KIG CC driver — one per light, or several lights in parallel on one driver	Triac / phase-cut	Extended
Tunable white	2700–6500K	**DC24V CV** only	Two-channel driver, remote placed	0–10V per channel or DALI-2 DT8	10–14 days

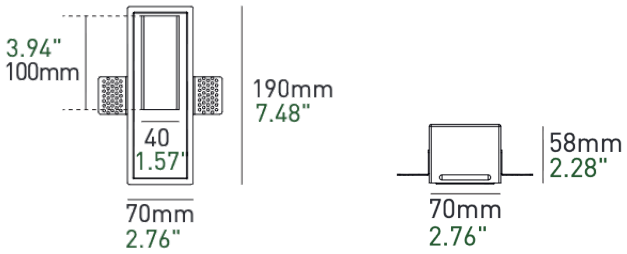
DC24V and dim-to-warm are mutually exclusive on this fixture. The dim-to-warm engine runs at DC18V constant current only; specify the 18CC drive and a KIG CC driver. Chip supply is limited and made to order — allow longer than the standard 10–14 day lead time.

Front elevation and section

Dimensions in millimetres (inches)

Housing face	**70 W × 190 H mm**
Body depth	**58mm (2.28″)**
Cutout size	**73 W × 193 H × 58 D mm**
Aperture	**40 W × 100 H mm**

The cutout is 3mm larger than the housing on width and height (70→73, 190→193) to leave a plaster key; depth matches the body at 58mm.



SEQUENCE

Set the gypsum housing in the rough opening on its perforated wings, held 1–3mm below the gypsum face so the skim coat can bury them, then tape, skim and paint with the wall. Once the finish is dry, connect the lead to the driver run and then seat the light body in from the front — there is no access behind the body once it is home. Full sequence on page 5.

OPTICS

50° beam angle. The curved baffle conceals the source at normal standing sightlines, so the aperture reads as an evenly lit slot rather than a visible die.

LOCATION & WARRANTY

IP20, dry interior locations. LED rated 50,000 hours. Certification detail on page 5. 5-year limited warranty on fixture and driver from date of shipment. Standard lead time 10–14 days; longer for the dim-to-warm engine.

RECOMMENDED MOUNTING HEIGHT

Aperture centre above finished floor or tread nose

STAIR RUN	CORRIDOR	THRESHOLD · NICHE	MAXIMUM
250–350mm	**300mm**	**300–400mm**	**450mm**
10–14″ above the tread nose, one fixture every second or third riser	12″ AFF, spaced 1.5–2.5m on centre for an even scallop	12–16″ AFF where the beam should reach further across the floor	18″ AFF — above this the aperture enters the standing sightline

Heights are measured to the aperture centre and are recommendations — verify against the project's own step-lighting datum and local egress requirements. Keep the height consistent along a run: with a 50° beam, a variation of more than 25mm between fixtures is visible as uneven scalloping on the floor.

Construction and application detail on page 4; installation sequence on page 5.

HOW IT IS BUILT

Modular source · curved back baffle for indirect output

Modular light source

The light source is a separate module that drops into the plastered-in housing on its lead and lifts back out from the front, so a lamp change or driver fault never means breaking into the wall — and the module can be matched freely to the housing.

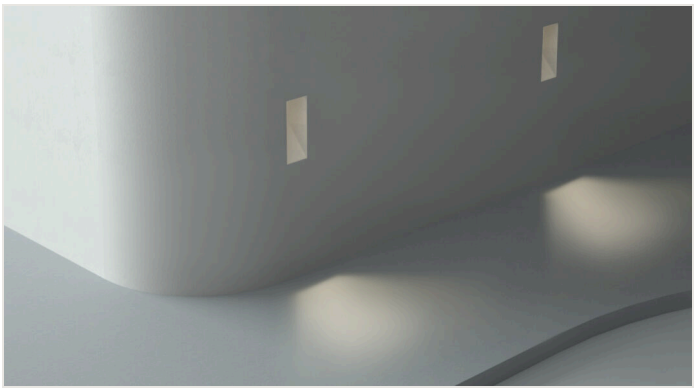
Curved back baffle

The COB fires into the curved back wall of the recess, which turns the beam down and out through the slot — indirect, even output with no view of the die from the room.

APPLICATION

Stair runs, corridors and thresholds

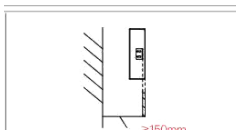
Plaster wall, painted to match — the aperture disappears by day.



At night the slots carry the run without a visible source.

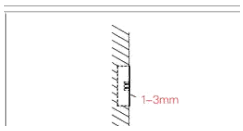
TWO WAYS TO SET THE HOUSING

The seven steps are the same — only the wing depth differs



Type 1 · flush wings

Wings set level with the gypsum drywall face — for a wall already skimmed to final thickness.

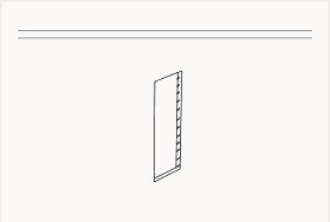


Type 2 · recessed wings

Wings set 1–3mm below the gypsum face, leaving room for the skim coat to bury them. Preferred.

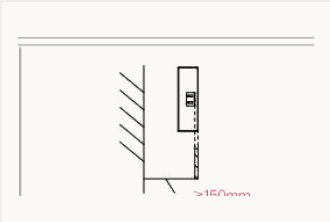
SEQUENCE

A qualified electrician is required to install or remove the luminaire



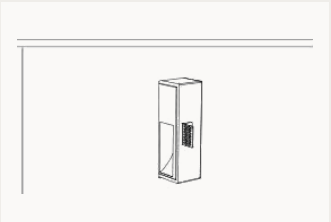
1 **Cut the opening**

73 W × 193 H × 58 D mm
(2.87 × 7.60 × 2.28″)



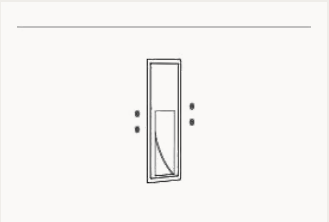
2 **Set the wing depth**

Flush for Type 1, or 1–3mm below the face for Type 2



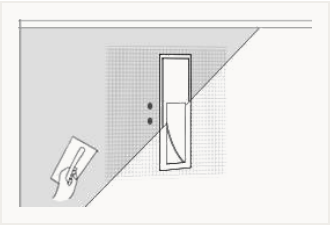
3 **Seat the housing**

Sit the gypsum housing square in the opening



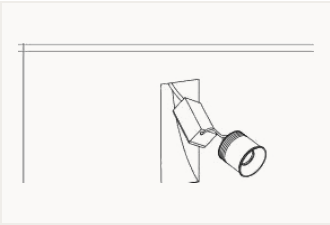
4 **Fix with screws**

Screw the housing through its wings to the substrate



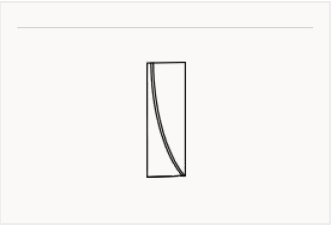
5 **Skim and paint**

Plaster, mesh, putty, paint — finish it as wall



6 **Wire, then fit**

Power off. Wire the driver, then seat the LED module



7 **Done**

The slot is the only thing left to read on the wall

SAFETY

A qualified electrician is required to install or remove the luminaire.

POWER OFF.
NO HOT PLUGGING.

CERTIFICATION

Luminaire and driver are certified separately

LUMINAIRE — N55-S05

Left to right: LED source; CE marked; indoor use only; do not cover with thermal insulating material. **The luminaire itself carries no ETL or UL listing.**

SUPPLIED DRIVER — COMPONENT LISTING ONLY

This is not a UL-listed luminaire. The remote driver supplied with it holds its own UL component listing; that listing covers the driver alone and does not extend to the light body, the gypsum housing or the installed assembly.

Where the project requires a listed luminaire, this fixture will not satisfy it. Confirm with the authority having jurisdiction before specifying.

WING DEPTH

Set the embedded part 1–3mm below the gypsum face. Flush wings leave nothing for the skim coat to key into and can telegraph through the finish.

CLEAN WHILE WET

Clean the hole edges while the paint is still wet — once it cures, built-up material at the rim stops the light module seating properly.

CLEARANCE

Allow a ≥150mm minimum clearance at step 2, measured from the housing face to the nearest obstruction in the cavity.