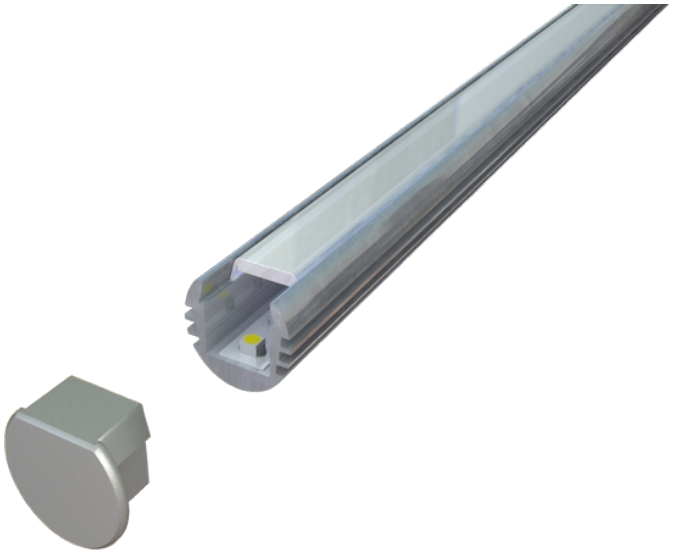
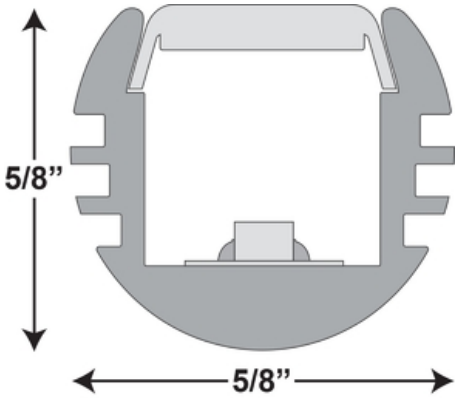
NL-050

ROUND LINEAR LED
INDOOR | IP22 ONLY

STANDARD OUTPUT | 3.0 W/FT NOMINAL | IP22 INTERIOR





ROUND PROFILE | 5/8" W x 5/8" H

FIXTURE DESCRIPTION

Compact architectural linear luminaire using a rounded 5/8 in. x 5/8 in. aluminum profile. Designed to create refined interior accent lighting in exposed, suspended, wall-mounted or surface-mounted applications.

HOUSING & LENS

Straight aluminum extrusion with a single LED strip and a clear or frosted polycarbonate lens. The original fixture design has an 80-degree nominal illumination angle.

MOUNTING & END CAPS

Available methods include surface clips, aircraft-cable suspension, wall-mounted rods and desktop/countertop rods. Polypropylene end caps may include wire exits. See page 2 for mounting selections.

REMOTE POWER & CONTROL

Requires an accessible remote 24 VDC power supply; no internal driver is specified. Dimmable and non-dimmable options are available. RGB requires a compatible remote DMX512 decoder/control system.

LED PERFORMANCE

Single-row 24 VDC SMD 3528 LED tape, 3.0 W/ft nominal, with 840 lumens per linear foot listed on the printed legacy sheet. Current finished-fixture photometrics should be verified.

COLOR & APPLICATION

Static white, fixed static colors and color-changing RGB are available for IP22 interior applications only. RGBW is not available. The NL-050 is not offered as a standard IP67 outdoor fixture.

NEOTEK LIGHTING | 1040 Dividend Road | Midlothian, TX 76065
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NL-050

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INDOOR | IP22 ONLY

MECHANICAL & INSTALLATION | COMPACT ROUND PROFILE

The NL-050 is a small-diameter linear aluminum fixture designed for several interior mounting approaches. Select the appropriate method during project coordination. All power supplies, decoders and data equipment remain in accessible remote locations.

PROFILE, COMPONENTS & INSTALLATION DETAILS

ITEM	SPECIFICATION / DETAIL
Overall section	5/8 in. (15.9 mm) nominal width x 5/8 in. (15.9 mm) nominal height; rounded end-view geometry.
Housing / LED tape	Aluminum extrusion with one 24 VDC LED tape strip secured to the interior mounting surface.
Lens	Clear or frosted polycarbonate lens; specify the preferred appearance and review service access.
End caps / wire exits	Polypropylene end caps at exposed ends; through-wire or exiting-wire arrangements as specified.
Fixture finish	Standard mill aluminum, black or custom powder coat; specify a custom finish or RAL reference as appropriate.

AVAILABLE MOUNTING METHODS | SELECT BY APPLICATION

ITEM	SPECIFICATION / DETAIL
Surface clip mount	Secure suitable clips to a structurally appropriate interior surface; allow access to remove and service the fixture.
Suspended mount	Aircraft-cable suspension with approved support points and wire routing to a remote power supply.
Wall-mounted rod	Rigid or bendable rod mounting for wall-mounted accent arrangements; coordinate reach, support and orientation.
Counter / desktop rod	Rigid or bendable rod support for counter or desktop applications; confirm base anchorage and cable routing.

POWER & INSTALLATION COORDINATION

Use a correctly sized remote 24 VDC driver for the selected fixture length and LED mode. For RGB operation, locate the DMX512 decoder/data pack remotely. Install with suitable mechanical support, wiring protection and lens-service access. IP22 interior use only.

NL-050

ROUND LINEAR LED
INDOOR | IP22 ONLY

LED PERFORMANCE | STATIC WHITE, STATIC COLORS & RGB

The NL-050 accommodates one LED strip. White-light, static-color and RGB configurations are all intended for IP22 indoor applications. RGBW and standard IP67 configurations are not available.

STATIC WHITE LED DATA | ONE STRIP | 24 VDC

ITEM	SPECIFICATION / DETAIL
LED configuration	Single-row SMD 3528 LED strip fastened to the aluminum fixture.
Nominal electrical load	3.0 W per linear foot of fixture length.
Operating voltage	24 VDC; accessible, remote solid-state driver.
White CCT selections	2400K, 2800K, 3000K, 3500K, 4000K and 6500K.
White lumen output	840 lm/ft shown on the printed legacy cut sheet; confirm current finished-fixture performance.
Nominal illumination	80-degree angle from the original NL-050 cut sheet.
Lens choices	Clear or frosted polycarbonate; actual delivered flux varies by lens.

STATIC COLORS & RGB | IP22 ONLY

ITEM	SPECIFICATION / DETAIL
Static fixed colors	Red, Green, Blue and Amber, each offered as a single fixed-color LED strip.
RGB color changing	RGB LED strip option for color-mixing applications; IP22 only.
RGB driver / decoder	Separate remote 24 VDC power and compatible DMX512 decoder/control components.
RGB wattage / output	Dependent on selected RGB tape and active channels; confirm project-specific requirements.
RGBW	Not available in the NL-050 profile.
Exterior / IP67	Not available as a standard NL-050 configuration.

DESIGN NOTE

Static-white values describe the legacy design; static-color and RGB output varies with LED selection and lens. Confirm driver size, wiring, control requirements and current photometric data with Neotek before project release.

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Neotek LIGHTING

NL-050

ROUND LINEAR LED
INDOOR | IP22 ONLY

CUSTOMER CONFIGURATION | SELECT OPTIONS BELOW

NL-050 | FIXTURE SELECTIONS

STATIC & RGB | IP22 ONLY

Project / Fixture ID: _____ Quantity: _____

FIXTURE LENGTH / LENS / END CAPS

FIXTURE LENGTH (SPECIFY)

Length: _____

LENS (SELECT ONE)

- ☐ Frosted
- ☐ Clear

END CAPS / WIRE EXIT

- ☐ Standard end cap
- ☐ End cap with wire exit

LED COLOR CONFIGURATION | SELECT ONE

STATIC WHITE

- ☐ 2400K
- ☐ 2800K
- ☐ 3000K
- ☐ 3500K
- ☐ 4000K
- ☐ 6500K

STATIC FIXED COLORS

- ☐ Red
- ☐ Green
- ☐ Blue
- ☐ Amber

COLOR CHANGING

- ☐ RGB (IP22)

RGBW NOT AVAILABLE

MOUNTING METHOD | INTERIOR IP22 ONLY

- ☐ Surface clips
- ☐ Suspended / aircraft cable
- ☐ Wall-mounted rod
- ☐ Counter / desktop rod

IP67 / OUTDOOR NOT AVAILABLE

REMOTE ELECTRICAL / FIXTURE FINISH

REMOTE DRIVER INPUT

- ☐ 120 VAC
- ☐ 277 VAC

DIMMING / CONTROL (AS REQUIRED)

- ☐ LV dimming
- ☐ 0-10 V
- ☐ No dimming
- ☐ DMX512 RGB

FIXTURE FINISH

- ☐ Standard mill
- ☐ Black
- ☐ Custom powder coat / RAL

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