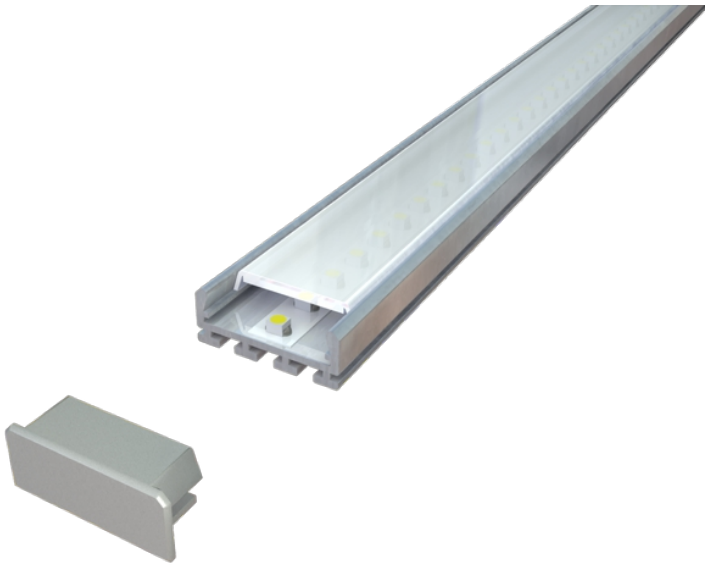
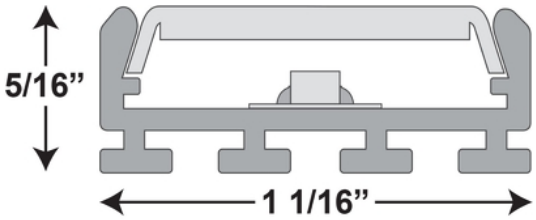
NL-175

LINEAR LED
REMOTE POWER ONLY

STANDARD OUTPUT | 3.0 W/FT NOMINAL | REMOTE DRIVER & CONTROLS





1 1/16" W x 5/16" H
FLAT POLYCARBONATE LENS

FIXTURE DESCRIPTION

Straight, stand-alone architectural linear LED fixture featuring the low-profile NL-175 housing. The section measures 1 1/16 in. wide by 5/16 in. high, with a flat lens rather than the taller three-sided NL-110 cover.

EXTRUSION & FLAT LENS

The same aluminum mounting extrusion used for the NL-110 supports a flat snap-in polycarbonate lens, available in frosted or clear. The LED tape mounts directly to the extrusion; there is no cavity for internal electronic equipment.

MOUNTING & END CAPS

Zinc-matte brackets provide the standard surface-mounting approach. Suspended, recessed and aim-adjustable arrangements require project-specific, Neotek-approved hardware. Polypropylene end caps close exposed ends and provide wire exits where specified.

REMOTE POWER & CONTROLS

All drivers, power supplies, DMX decoders, data packs and controllers must be located remotely. The NL-175 has no internal electrical-equipment space. An accessible, appropriately sized remote 24 VDC solid-state supply is required.

LED PERFORMANCE

One 24 VDC SMD 3528 LED strip provides 3.0 W/ft nominal static-white output (tape rating approximately 2.93 W/ft). White lumen output: 840 lm/ft nominal; confirm current complete-fixture photometrics.

FINISH & APPLICATION

Standard mill aluminum, black or custom powder-coated finish. Customer-provided RAL numbers can guide approximate finish matching. Select IP00 interior construction or appropriately sealed IP67 exterior construction.

NL-175

LINEAR LED
REMOTE POWER ONLY

MOUNTING & INSTALLATION | REMOTE EQUIPMENT REQUIRED

The NL-175 uses the NL-110 aluminum base extrusion and mounting arrangements, paired with a flat lens. Select a mounting approach for the substrate, access and required light direction. Only use hardware approved by Neotek for the specified assembly.

MOUNTING APPROACHES | APPLICATION-SPECIFIC

ITEM	INSTALLATION DETAIL
Surface mount	Standard zinc-matte brackets secure the extrusion to a suitable surface with fasteners selected for the mounting substrate.
Suspended mount*	A suspended arrangement may be reviewed using suitable suspension hardware, supports and cable-routing provisions.
Recessed mount*	Recessed integration requires an approved mounting track or support detail and adequate clearance for the lens and installation.
Adjustable aim*	Where aiming is required, approved angle-adjustable mounting hardware may be evaluated; any range of adjustment is configuration-specific.

ASSEMBLY, CABLING & SERVICE ACCESS

ITEM	INSTALLATION DETAIL
Extrusion / LED	The aluminum extrusion supports one LED tape strip in the standard-output configuration. Confirm thermal contact, electrical loading and suitable wiring paths.
Lens installation	The flat clear or frosted polycarbonate lens snaps into the extrusion; provide sufficient clearance for lens installation and future service.
End caps	Polypropylene end caps finish exposed ends. Specify wire exits and suitable sealing details for the installation.
Fixture wiring	Arrange a cable exit to suit the approved end-cap or rear-routing detail, and protect wiring at exit points.
Continuous runs	Adjacent lengths may be coordinated into a line using a suitable joining detail; verify alignment, end conditions and electrical feed.
Power / control	Remote only: drivers, 24 VDC power supplies, DMX decoders, data packs and other control equipment must remain accessible outside the fixture.

Installation coordination: Surface mounting is the established approach; alternative methods shown above are for project review and are not guaranteed standard NL-175 accessories. Confirm structural support, service access, wiring paths and sealed construction when IP67 is selected.

NL-175

LINEAR LED
REMOTE POWER ONLY

LED PERFORMANCE | STATIC WHITE & RGB/RGBW

Standard output uses one LED strip. Static white is nominally 3.0 W/ft; RGB/RGBW loads vary. All power supplies and controls are remote.

STATIC WHITE LED TAPE DATA | 24 VDC | ONE STRIP

PARAMETER	SPECIFICATION
LED technology	SMD 3528 | 120 LEDs/m
Tape / beam	8 mm tape | 120-degree viewing angle
Voltage	24 VDC constant-voltage LED tape
Power consumption	9.6 W/m | 2.93 W/ft (nominal fixture: 3.0 W/ft)
Static white options	2400K, 2800K, 3000K, 3500K, 4000K, 6500K
Lumen output	840 lm/ft nominal; confirm completed-fixture photometrics
Driver / decoder	External only; no integral power or data equipment

RGB / RGBW LED TAPE DATA | 24 VDC | ONE STRIP

RGBW | 60 LEDS/M | ACTIVE-CHANNEL LED TAPE OUTPUT

WHITE CCT	WHITE (LM/M)	RGB (LM/M)	RGB+W (LM/M)
3000K	456	464	828
3500K	474	453	834
4500K	510	460	873
6500K	510	471	882

Tape power: white 4.8 W/m (1.46 W/ft) | RGB 14.4 W/m (4.39 W/ft) | RGBW 19.2 W/m (5.85 W/ft)

RGB / RGBW | 120 LEDS/M | LED TAPE OUTPUT

CHANNEL / MODE	LED POWER	LIGHT OUTPUT
Red	5 W/m | 1.52 W/ft	140 lm/m
Green	5 W/m | 1.52 W/ft	423 lm/m
Blue	5 W/m | 1.52 W/ft	95 lm/m
RGB combined	15 W/m | 4.57 W/ft	650 lm/m
RGBW - 3000K	20 W/m | 6.10 W/ft	990 lm/m
RGBW - 3500K	20 W/m | 6.10 W/ft	1,006 lm/m
RGBW - 4500K	20 W/m | 6.10 W/ft	1,055 lm/m
RGBW - 6500K	20 W/m | 6.10 W/ft	1,054 lm/m

RGB/RGBW values are LED tape data, not measured NL-175 fixture output. Confirm RGBW availability, tape fit, optical losses and remote driver / data-pack sizing with Neotek.

Neotek LIGHTING

NL-175

LINEAR LED
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CUSTOMER CONFIGURATION | SELECT OPTIONS BELOW

FIXTURE SELECTIONS

NL-175 / STANDARD OUTPUT

Project / Fixture ID: _____ Quantity: _____

FIXTURE LENGTH / LENS / END CAPS

LENS (SELECT ONE)

☐ Frosted ☐ Clear

END CAP WIRING (SELECT ONE)

☐ Wire exit ☐ No wire exit

Fixture length: _____ Straight profile only

MOUNT: ☐ Surface ☐ Suspended* ☐ Recessed*

LED COLOR SELECTION

STATIC WHITE COLOR TEMPERATURE (SELECT ONE)

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

STATIC COLOR / COLOR-CHANGING (SELECT ONE)

☐ Red ☐ Green ☐ Blue ☐ Amber ☐ RGB ☐ RGBW

RGBW WHITE CHANNEL (IF AVAILABLE / CONFIRM WITH NEOTEK)

☐ 3000K ☐ 3500K ☐ 4000K ☐ 6500K

REMOTE ELECTRICAL / CONTROLS

REMOTE DRIVER AND REMOTE DATA PACK / DECODER REQUIRED - NO INTERNAL EQUIPMENT

REMOTE DRIVER AC INPUT (SELECT ONE)

☐ 120 VAC ☐ 277 VAC

DIMMING / CONTROL (SELECT AS REQUIRED)

☐ LV dimming ☐ 0-10 V ☐ Non-dimming ☐ DMX512

APPLICATION / FINISH

IP CONFIGURATION (SELECT ONE)

☐ IP00 - Interior ☐ IP67 - Exterior

EXTRUSION FINISH (SELECT ONE)

☐ Standard mill ☐ Black ☐ Custom powder coat

Powder coat color / RAL #: _____

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