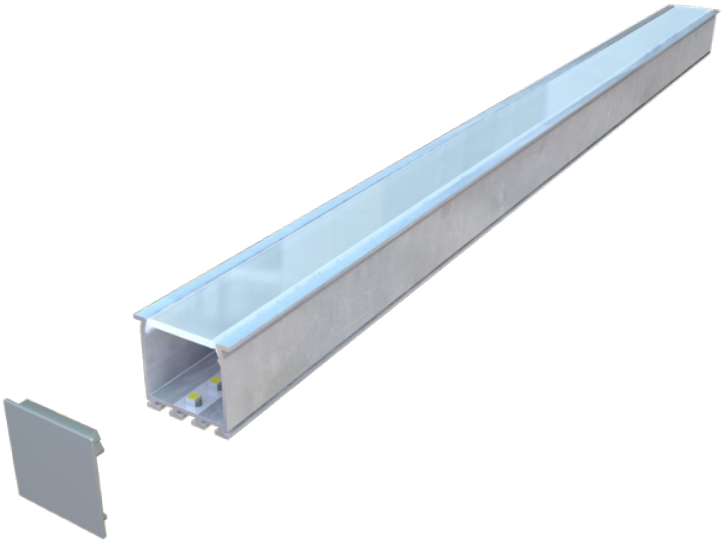
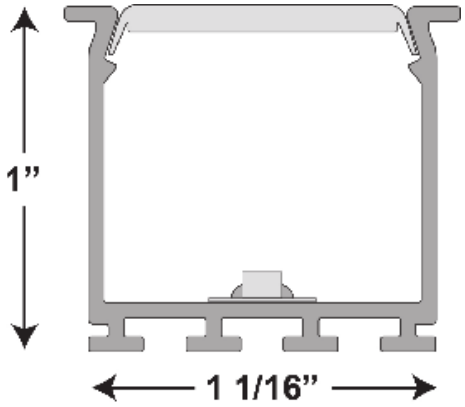
NL-160

LINEAR LED
REMOTE POWER ONLY

STANDARD OUTPUT | 3.0 W/FT NOMINAL | REMOTE 24 VDC POWER





1 1/16" W x 1" H

FIXTURE DESCRIPTION

Straight architectural linear LED luminaire with a rectangular aluminum extrusion and recessed snap-in lens. Profile measures 1 1/16 in. wide by 1 in. high, with a deep-sided housing and an unobstructed lens opening.

EXTRUSION & OPTICS

Aluminum LED mounting profile with front lens-retaining channels and a frosted or clear polycarbonate lens. LEDs mount at the base of the profile for nominal 120-degree output. Suitable thermal contact and lens clearance must be maintained.

MOUNTING & END CAPS

Zinc-matte mounting brackets support standard surface installation. Suspended or recessed mounting and aim adjustment may be reviewed with approved accessories. Polypropylene end caps close exposed ends and may accommodate project-specific wire exits.

POWER & CONTROL

Remote 24 VDC driver specified. Locate power supplies in an accessible area outside the luminaire. RGB/RGBW applications require compatible remote decoders or data packs and control equipment. Confirm supply and wiring by run length.

LED PERFORMANCE

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

FINISH & APPLICATION

Standard mill aluminum, black or custom powder coat. Customer-provided RAL numbers can be used to match a requested color as closely as practical. Select IP00 interior or appropriately constructed IP67 exterior configuration.

NL-160

LINEAR LED
REMOTE POWER ONLY

MOUNTING & INSTALLATION | RECTANGULAR NL-160 PROFILE

The NL-160 uses a rectangular aluminum housing with a recessed snap-in polycarbonate lens. Standard power is supplied by a remote 24 VDC driver. Mounting hardware, service access and wire routing must be coordinated with the project and approved by Neotek.

MOUNTING APPROACHES | APPLICATION-SPECIFIC

ITEM	INSTALLATION DETAIL
Surface mount	Zinc-matte mounting brackets support surface installation, using fasteners suitable for the substrate and fixture loading.
Suspended mount*	Suspended installation may be reviewed with an approved support system, secure suspension points and cable-routing provision.
Recessed mount*	Integration into a recessed detail requires an approved track or support assembly and clearance for lens removal and wiring.
Adjustable aim*	Where angular aiming is required, suitable adjustable hardware may be evaluated; the adjustment range is configuration-specific.

ASSEMBLY, CABLING & SERVICE ACCESS

ITEM	INSTALLATION DETAIL
LED mounting	One LED tape row fastens to the base of the aluminum profile in standard-output configuration. Confirm thermal contact and electrical load.
Lens installation	Clear or frosted polycarbonate lens is retained by the upper extrusion channels; provide access for snap-in assembly and removal.
End caps	Polypropylene end caps finish exposed ends; specify a wire exit and appropriate sealing details for the selected application.
Cable management	Route fixture wiring through approved end or rear openings as coordinated; provide protection at exits and access to remote electronics.
Continuous runs	Long linear runs may be coordinated with suitable alignment and joining details; confirm power feeds, lens seams and end conditions.
Remote equipment	Standard arrangement: accessible external 24 VDC driver; DMX decoders, data packs and controllers installed remotely as applicable.

Installation coordination: Surface mounting is the standard approach. Other mounting styles are project-specific options requiring Neotek approval, not automatically included hardware. Verify mechanical support, heat management, wiring, service access and sealed exterior construction where specified.

NL-160

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	Remote 24 VDC power and separate remote data equipment as required

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-160 fixture output. Confirm RGBW availability, tape fit, optical losses and remote driver / data-pack sizing with Neotek.

Neotek LIGHTING

NL-160

LINEAR LED
REMOTE POWER ONLY

CUSTOMER CONFIGURATION | SELECT OPTIONS BELOW

FIXTURE SELECTIONS

NL-160 / 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 fixture configuration

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 24 VDC DRIVER REQUIRED - DATA PACK / DECODER REMOTE AS NEEDED

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 #: _____

NEOTEK LIGHTING | 1040 Dividend Road | Midlothian, TX 76065
(972) 775-3121 | Sales@neoteklighting.com | www.neoteklighting.com