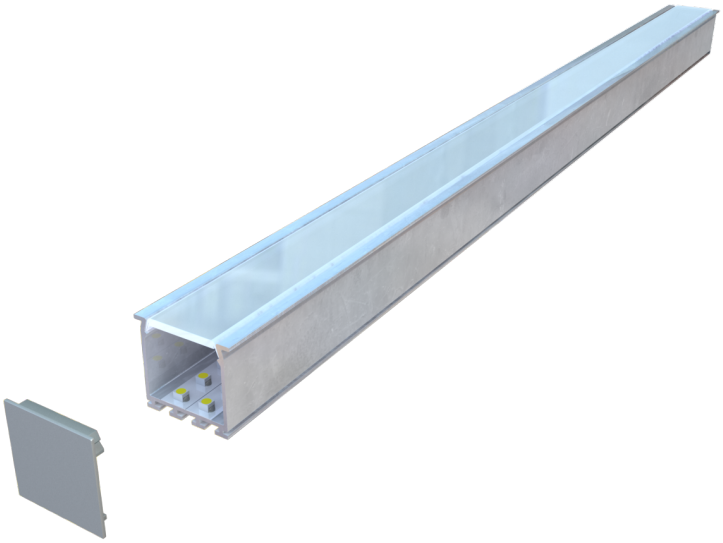
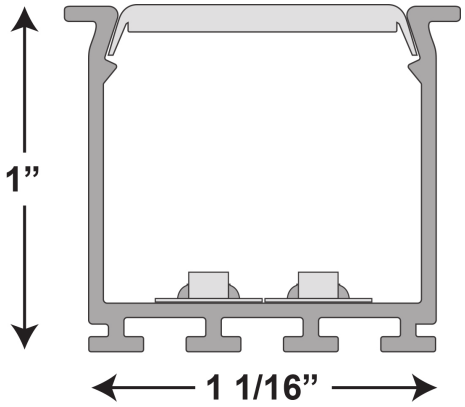
NL-160-HO

LINEAR LED
REMOTE POWER ONLY

HIGH OUTPUT | 6.0 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

Two 24 VDC SMD 3528 LED strips provide 6.0 W/ft nominal static-white power (combined tape rating about 5.85 W/ft). White lumen output: 1,680 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.

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

NL-160-HO

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	Two LED tape rows fasten to the base of the aluminum profile in high-output configuration. Confirm thermal contact, tape spacing 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-HO

LINEAR LED
REMOTE POWER ONLY

LED PERFORMANCE | STATIC WHITE & RGB/RGBW

High output uses two LED strips. Static white is nominally 6.0 W/ft; RGB/RGBW loads vary. All power supplies and controls are remote.

STATIC WHITE LED TAPE DATA | 24 VDC | TWO STRIPS

PARAMETER	SPECIFICATION
LED technology	2 x SMD 3528 | 120 LEDs/m per strip
Tape / beam	8 mm per strip | 120-degree viewing angle
Voltage	24 VDC constant-voltage LED tape
Power consumption	19.2 W/m | 5.85 W/ft (nominal fixture: 6.0 W/ft)
Static white options	2400K, 2800K, 3000K, 3500K, 4000K, 6500K
Lumen output	1,680 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 | TWO STRIPS

RGBW | 60 LEDS/M PER STRIP | COMBINED LED TAPE OUTPUT

WHITE CCT	WHITE (LM/M)	RGB (LM/M)	RGB+W (LM/M)
3000K	912	928	1,656
3500K	948	906	1,668
4500K	1,020	920	1,746
6500K	1,020	942	1,764

Two-strip power: white 9.6 W/m (2.93 W/ft) | RGB 28.8 W/m (8.78 W/ft) | RGBW 38.4 W/m (11.71 W/ft)

RGB / RGBW | 120 LEDS/M PER STRIP | COMBINED OUTPUT

CHANNEL / MODE	LED POWER	LIGHT OUTPUT
Red	10 W/m | 3.05 W/ft	280 lm/m
Green	10 W/m | 3.05 W/ft	846 lm/m
Blue	10 W/m | 3.05 W/ft	190 lm/m
RGB combined	30 W/m | 9.14 W/ft	1,300 lm/m
RGBW - 3000K	40 W/m | 12.19 W/ft	1,980 lm/m
RGBW - 3500K	40 W/m | 12.19 W/ft	2,012 lm/m
RGBW - 4500K	40 W/m | 12.19 W/ft	2,110 lm/m
RGBW - 6500K	40 W/m | 12.19 W/ft	2,108 lm/m

RGB/RGBW values are calculated two-strip LED tape totals, not measured NL-160-HO fixture output. Confirm RGBW availability, strip fit, optical losses and remote driver / data-pack sizing with Neotek.

Neotek LIGHTING

NL-160-HO

LINEAR LED
REMOTE POWER ONLY

CUSTOMER CONFIGURATION | SELECT OPTIONS BELOW

FIXTURE SELECTIONS

NL-160-HO / HIGH 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 #: _____

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