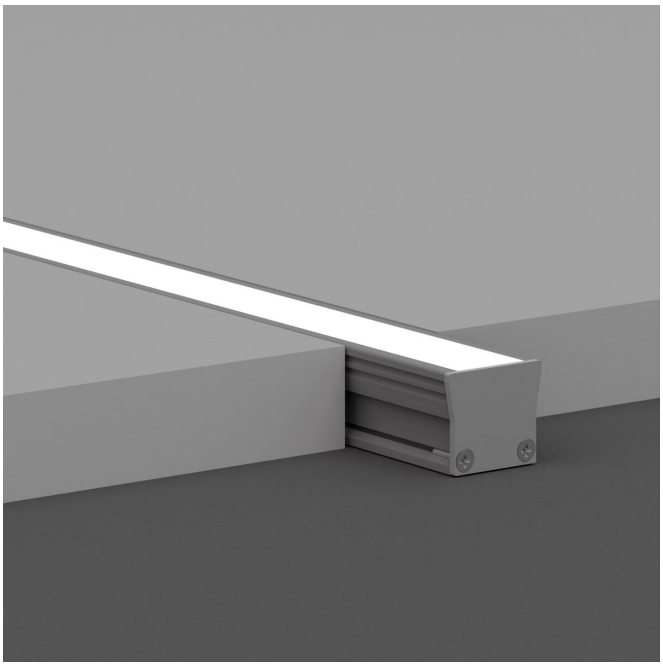
NL-140

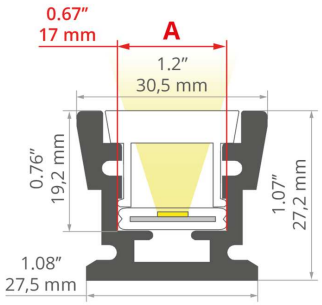
IN-GROUND LINEAR LED

STATIC | RGB | RGBW

IN-GROUND / RECESSED LINEAR LED | IP22 OR IP67 | 24 VDC



1:2



1.2" W x 1.1" H NOMINAL

FIXTURE OVERVIEW

The Neotek NL-140 is a recessed architectural linear LED system for illuminating ground planes, pathways, architectural edges and facade transitions. Its durable aluminum profile supports one continuous LED light engine.

PROFILE & OPTICS

1.2 in. wide x 1.1 in. high nominal rectangular aluminum extrusion. The light opening is 22 mm wide, with a 0.7-in. LED-mounting surface. A diffused or semi-transparent cover creates a crisp linear accent.

MOUNTING & INSTALLATION

Recessed or in-ground installation using a compatible Neotek mounting track, clips and appropriate mounting adhesive. Coordinate drainage, substrate support, service access and rear wire exit.

POWER & CONTROL

24 VDC external power. Static-white and fixed-color versions can use compatible dimmable or non-dimmable drivers. RGB and RGBW require suitable external multichannel control and decoders.

LED & ENVIRONMENT

Single 8 mm LED-tape row. The single-strip design supports approximately 4.7 W/ft nominal maximum LED loading; final power and luminous performance depend on Neotek LED selection.

IP & FINISH OPTIONS

IP22 interior and IP67 exterior configurations are available in static, RGB or RGBW, with suitable sealing and wiring. Standard silver-anodized aluminum; special finish or RAL matching by request.

NEOTEK LIGHTING | 1040 Dividend Road | Midlothian, TX 76065

(972) 775-3121 | Sales@neoteklighting.com | www.neoteklighting.com

NL-140

IN-GROUND LINEAR LED

STATIC | RGB | RGBW

MECHANICAL DETAILS | RECESSED INSTALLATION & APPLICATIONS

The NL-140 is intended for integrated linear accents in ground-level and architectural details. Recessed hardware, wiring and construction details must be coordinated for the installation environment.

PROFILE / CONSTRUCTION | INSTALLATION REQUIREMENTS

PARAMETER	NEOTEK NL-140 SPECIFICATION
Housing	Linear aluminum extrusion; nominal 1.2-in. width and 1.1-in. height. The dimensioned end view also identifies 30.5 mm overall top width.
LED seat	One LED strip on a nominal 0.7-in. (17 mm) mounting surface; tape and connections must remain compatible with housing clearance.
Illuminated opening	Approximately 22 mm of visible light; diffuser selection affects appearance and actual delivered light.
Mounting system	Neotek-compatible recessed mounting track and clips, secured using suitable construction adhesive and substrate attachments.
Cable routing	Rear wire exit is supported; locate external drivers and controls in accessible service areas.
Exterior coordination	Specify IP67 assembly, appropriate end sealing, corrosion-resistant hardware and protection from trapped water.

APPLICATION IMAGERY | DESIGN REFERENCE



Illustrative in-ground accent



Illustrative perimeter detail

Design note: The continuous illuminated line can transition visually between a recessed ground installation and adjacent facade lighting. Design the interface, structural support and sealing with Neotek for the specified project.

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NL-140

IN-GROUND LINEAR LED
STATIC | RGB | RGBW

LED PERFORMANCE | STATIC WHITE, STATIC COLORS, RGB & RGBW

The NL-140 uses a single 24 VDC light engine. Output, CCT and control strategy depend on the Neotek LED tape selected for each project; specify performance with the final configuration.

ELECTRICAL & LED CONFIGURATION | 24 VDC

PARAMETER	NEOTEK NL-140 SPECIFICATION
Voltage / LED layout	24 VDC constant-voltage system, with one LED-tape row in a recessed aluminum housing.
LED loading	Approximately 4.7 W/ft design reference for one strip; verify heat and RGBW load with Neotek.
Static white / colors	White CCT and fixed colors selected to match project requirements; confirm available LED packages.
RGB / RGBW	Remote multichannel control; RGBW provides a selectable white channel. IP22 or IP67 construction.

ILLUSTRATIVE STATIC-WHITE LED PERFORMANCE

WHITE CCT	LED TAPE POWER	LED TAPE LUMENS
4000K | Medium	2.77 W/ft	272 lm/ft
5000K | High	4.39 W/ft	565 lm/ft

Performance note: These are representative LED-tape data points for design comparison, not measured NL-140 complete-fixture lumen ratings. Final output changes with LED selection, diffuser, sealing and operating conditions.

RGB / RGBW & REMOTE CONTROL REQUIREMENTS

PARAMETER	NEOTEK NL-140 SPECIFICATION
RGB	Three-channel color-changing LED system; compatible remote controller / decoder required.
RGBW	Four-channel LED system, with selectable white channel; final wattage and output to be confirmed by Neotek.
Static dimming	External phase-cut, 0-10V or PWM options with compatible driver hardware.
Driver / control selection	Remote DMX or Neotek-approved multichannel control for RGB/RGBW. Size driver for load and IP67 location.

Neotek LIGHTING

NL-140

IN-GROUND LINEAR LED
STATIC | RGB | RGBW

CUSTOMER CONFIGURATION | SELECT OPTIONS BELOW

NL-140 | FIXTURE SELECTIONS

IP22 / IP67 | STATIC / RGB / RGBW

Project / Fixture ID: _____ Quantity: _____

APPLICATION | PROTECTION RATING | LENGTH

INSTALLATION / IP RATING

- ☐ IP22 - Interior
- ☐ IP67 - Exterior

MOUNTING / LOCATION

- ☐ In-ground / recessed
- ☐ Architectural edge / facade

Fixture length: _____

LED SELECTION | STATIC / RGB / RGBW

LIGHT SOURCE (SELECT ONE)

- ☐ Static white
- ☐ Static fixed color
- ☐ RGB
- ☐ RGBW

Static white CCT / static color: _____

RGBW white-channel CCT (if selected): _____

LIGHT LEVEL / LED ENGINE

- ☐ Medium white
- ☐ Higher-output white
- ☐ Custom / confirm

LENS / FINISH / ELECTRICAL OPTIONS

DIFFUSER / COVER

- ☐ Frosted (approx. 55% transmission)
- ☐ Semi-transparent (approx. 92%)

ALUMINUM FINISH

- ☐ Silver anodized
- ☐ Custom finish / RAL

Finish/color / RAL: _____

REMOTE DRIVER / CONTROLS

- ☐ Non-dim
- ☐ 0-10V
- ☐ Phase-cut
- ☐ PWM
- ☐ DMX

WIRE EXIT

- ☐ Rear exit
- ☐ End exit - confirm
- ☐ Other / engineered

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