

# PRODUCT SPECIFICATIONS SHEET **rNET-IDC-2FTLINEAR**

## Integrated Driver Controls 2ft Linear Light Engine

The rNET-IDC-2FTLINEAR provides a stunning array of over 16M colors (RGB) with Amber (1500K), Warm (2700K) and Cool (6500K) channels. The whites deliver are 90+ CRI



## PRODUCT DESCRIPTION

The rNET-IDC-2FTLINEAR is an ideal replacement for any traditional linear fixture where color tuning and color changing capability is desired

The rNET-IDC-2ftlinear (Integrated driver, controls) is a 2ft linear PCB that hosts a LED light engine, the driver function (constant voltage to constant current) and controls all in one design. It supports dimming intensity down to 0.1%, levels with dynamic blending of up to 6 different colors of LEDs such as Red, Green, Blue, Amber, Warm, Cool. Each fixture is individually addressable using the rNET-PDG-IDC power distribution gateway, which when networked together through its POE backbone, it can be accessible anywhere in the world using a standard web browser on any device.

The white LED's are 90 CRI and > 150 lm/w to support premium DLC certification. The design is all low voltage (24V DC) and qualifies for a UL Class II rating which supports a faster time to market and many variants under one classification effort.

The design also supports odd shapes and sizes" such as corner and runt lengths to support continuous run requirements

The 6 channel design can support 48-288 emitters in an interleaved layout to support low profile diffuser applications

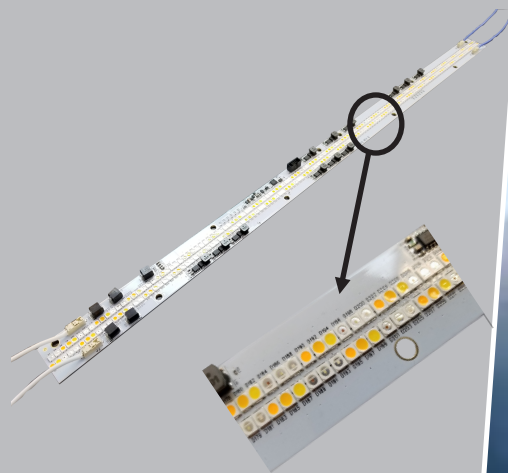
## DETAILED PRODUCT SPECIFICATIONS

### KEY FEATURES

- The capabilities of a DMX system without the cost and headaches
- The 2 way communication of DALI without extra wires
- Reuse of existing 2 wire conductors (Romex) saves material, cost, and time
- Low voltage (24V DC) supports safety and lower labor install costs
- Polarity & Topology agnostic wiring prevents install headaches
- On board microprocessor supports bidirectional communication.
- On board constant current driver does not use any dielectric capacitors - the primary failure component of traditional drivers.
- Low voltage design ensures much longer life and reliability - no "dirty power" issues.
- Wired infrastructure supports high performance applications such as government, military, theatre & schools.
- Digital precision and multiple channel control supports theatrical grade settings for CCT and specific color matching (ex Brand logos)

### TECHNICAL SPECIFICATIONS

- Working temperature: -20-40 C
- Power Supply: PDG-IDC gateway or direct 24VDC
- Pass through IDC bus
- Dimension: 549.1 mm x 27 mm
- Weight: < 1 lbs
- Full power consumption: 40W
- CRI:90+ (whites)
- Full CCT range between 1800K (amber) to 6500K (cool)

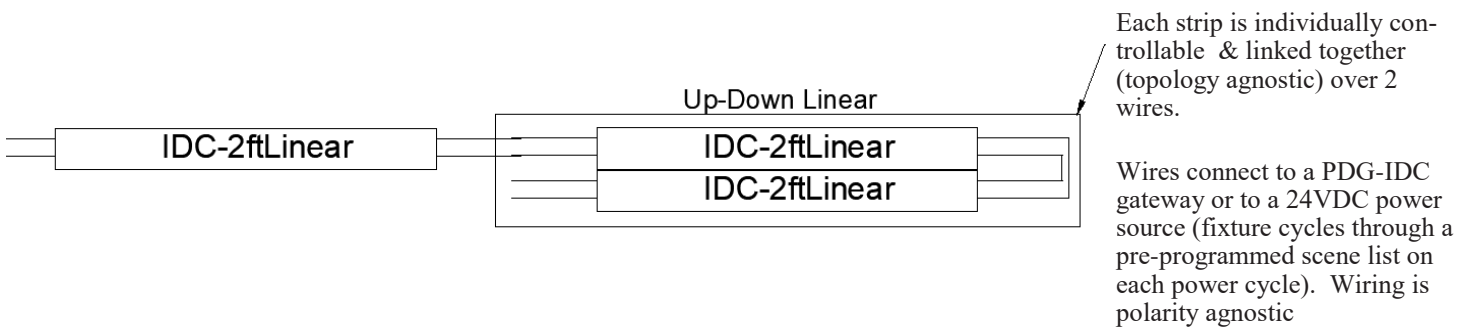


Part Number	Description
rNET-IDC-2ftlinear-AC-x	RGBAWC, x=288,144,72 (emitters)
rNET-IDC-2ftlinear-AW-x	CCT (2700-6500), x=288,144,72,36 (emitters)



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## Example Wiring Diagrams

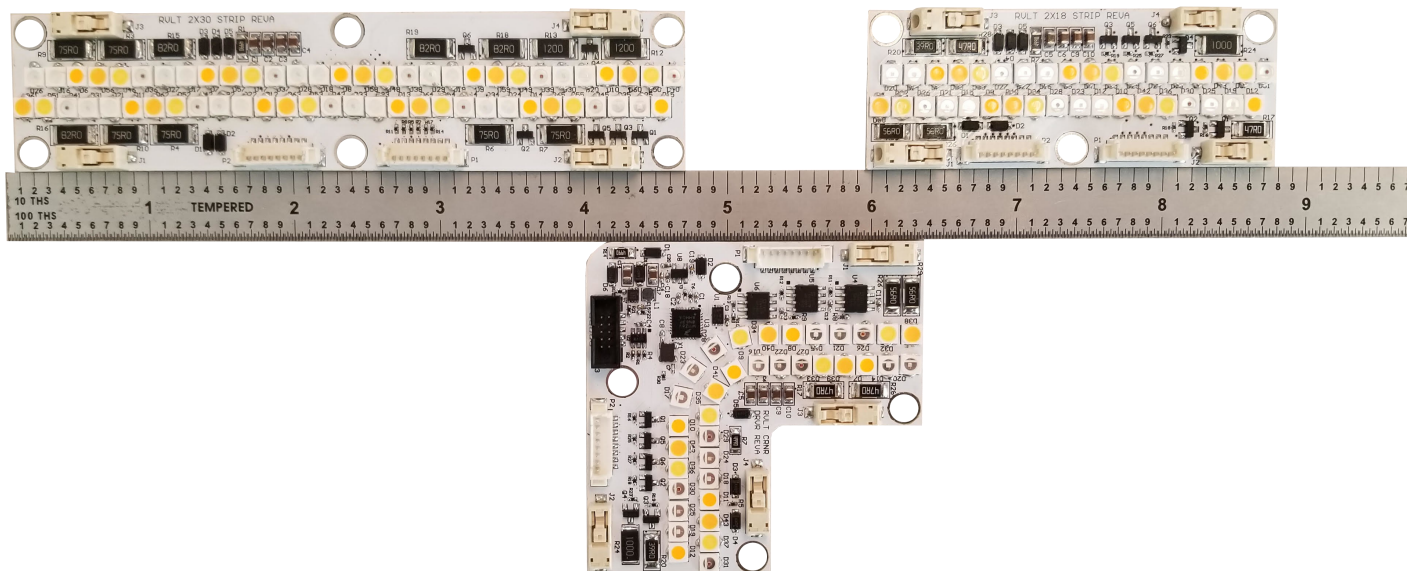


Continuous run applications support juxtaposed wire connection between boards up to 8ft.



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## Corner and Stub Modules



### Part Number

### Description

rNET-IDC-linear-corner

Corner module RGBAWC

rNET-IDC-linear-36

Linear 36 emitter IDC stub

rNET-IDC-linear-60

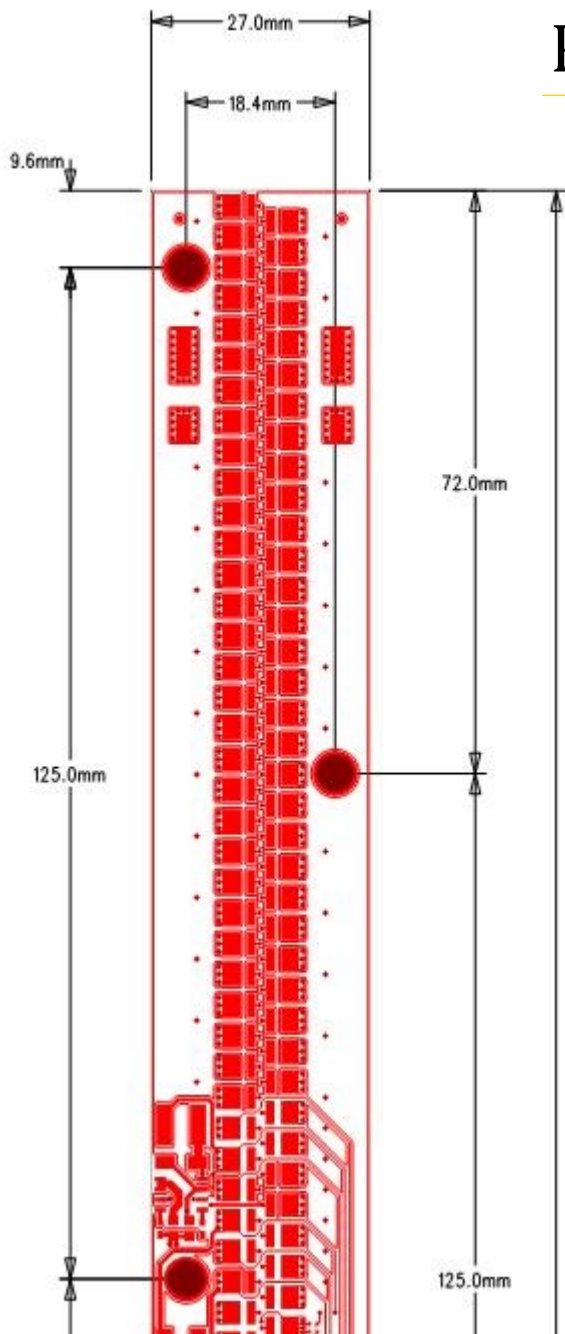
Linear 60 emitter IDC stub

The corner and stub modules are designed to support continuous run applications where non standard run lengths and shapes are required. Custom shapes, sizes and lengths can be designed upon request to support any application desired including tape or PCB based requirements



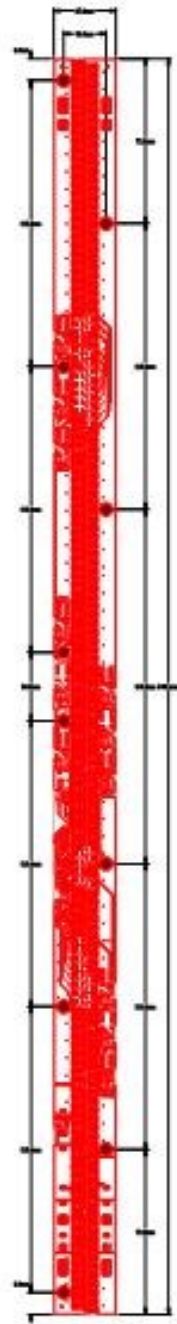
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## Physical Size



Note: Measurements are reference. With design services, custom sizes and shapes can be developed

549.1 mm





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## Application Photos

