



ENR Universal Dimmer Module operates with incandescent, fluorescent, low voltage, neon, cold-cathode and non-dim loads.

Each module consists of a fully enclosed two piece "engineering grade" plastic chassis.

Compact design – Each module is 1.25"H x 12.0"W x 4.0"D.  
Lightweight – each module weighs 2.5lbs.

## Features

- ENR 24 houses twelve plug-in dimmer modules available in 120 volt dual 1.8kW, 2.4kW and single 6.0kW capacities, 240 volt dual 2.5kW and single 5.0kW capacities
- Plug-in electronic control module (order separately)
- ENR 24 allows for bussing of adjacent mounted racks
- Rugged compact design
- Single or three-phase input power, 120 or 240 volts
- Locking door to prevent unwanted access to rack
- Ambient air is drawn through the dimmer and exhausted through the rack. The airflow is not drawn over any electrical connections. No filter is required.
- Twenty-four user programmable panic switches are located inside rack.
- UL Listed (120V units)
- CSA Certified (120V units)

## Dimensional Data – in. [cm] lbs.[kg]

Width	14.0 [35.6]
Depth	9.0 [22.9]
Height	21.5 [54.6]
Weight (w/dimmers)	57.0 [25.9]

## Specifications

- The ENR 24 dimmer rack is a free-standing dead front switchboard measuring 21 1/2"H x 14"W x 9"D and housing all specified equipment. Constructed of code gauge formed steel and aluminum structural members. All exterior surfaces are finished in grey or black polyurethane paint. The rack weighs 24 lbs. (57 lbs. including dimmers and control modules).
- Racks are designed to allow for adjacent or back-to-back mounting of multiple racks. The rear section of the rack utilizes a contractor's wireway with a minimum of 5" or wiring space behind the dimmer module. The following multi-size knockouts shall be provided on both the top and bottom of the rack for contractor entry: four 1/2", 3/4", 1 1/4" knockouts and one 1 1/2", 2", 2 1/2" knockout.
- The rack is constructed to permit insertion and removal of dimmers and control modules without the use of tools. Positive, interlocking guides provide precise alignment of the dimmers to the signal and power connectors in the rack. Dimmer supports incorporate into the sides of the rack, allowing clear access to the power, load, and neutral terminals and the wireway.
- The rack is designed to contain forty-eight plug-in dimmer modules (either dual 1.8/2.4/2.5kW or single 5.0/6.0kW dimmers). Each dual module position has a mating power bus, two load connectors, and three gold-plated PC signal contacts and is mechanically-keyed to accept only the dimmer module specified for that position. The control module positions include appropriate contractor control signal terminal blocks and a signal distribution connector.
- The rack contains a continuous-duty low-noise fan with a maximum NC rating of 27 (33 for 5.0kW and 6.0kW racks) to maintain temperature at proper operating levels with all dimmers under full load and ambient temperature up to 40°C. The rack provides an airflow sensor to shut off dimmers in the rack if safe operating temperatures are exceeded. A signal provides the control console operator a remote over-temperature LED if the airflow sensor is activated. Cooling air is drawn through the dimmers and exhausted through the top of the rack. Since there is no air flow over any electrical connections in the dimmer, no filtration is required.

## Rack Bussing

- The rack has a lockable door with a maximum swing radius of 4 1/2" to prevent unauthorized access to dimmer and control modules. A blank label provided inside the door and directly adjacent to each dimmer are for user identification of each circuit.
- Both load and neutral terminals accept up to a #2 gauge wire. Neutral terminals are located directly adjacent to load terminals for ease of contractor wiring. Provisions are made for optional fault current protection devices which may be installed and serviced from the front of the rack.
- The rear of the rack contains holes for 3/8" diameter bolts for simple contractor installation onto a wall. The location of holes are on 16" centers for two rack assemblies with more than two racks.
- The rack has 24 user-selectable control panic switches located on the signal distribution card in the rack.

## Electrical

- The rack is designed to operate from either 120 or 240 volts and either single or three phase power. Removable panels are provided on the sides of the rack to allow simple rack to rack bussing.
- The rack is factory-tested and control modules are burned in at elevated temperatures for a minimum of four hours. The rack is UL listed and CSA Certified for 120V applications and have an interrupting capacity of 100,000A available as an option.

## Description

## Cat. No.

ENR 24 Configured Rack	LEC-2000
ENR 24, 1.8kW/2.4kW, 120V Standard Theatrical/TV Rack	LEC-2001
ENR 24, AUX Rack	LEC-2002
ENR 24, 240V Rack	LEC-2003

## Accessories

## Cat. No.

Lateral Bussing Kit (connects 2 racks)	LEC 2010
Single Phase Conversion Kit (three phase is standard)	LEC-2012

Specifications subject to change without notice

