

# C21™

## The New Century Dimmer



24-Module C21 Dimmer Rack

48-Module C21 Dimmer Rack

### Features

- Plug-in Modular Dimmer System
- Dual 2.4kW IGBT Dimmer Modules
- Dual 2.4kW SSR Dimmer Modules with 350µS, 500µS or 800µS filter chokes
- Single 6kW and 12kW modules
- Contactor modules available to control a wide range of loads
- IGBT and SSR modules may be mixed in the same rack
- Standard 50,000 AIC fault current rating with optional 100,000 AIC available
- Racks are available for 24 and 48 modules
- Advanced technology processor features a built-in Ethernet input port. An optional plug-in Ethernet switch is available to link multiple racks
- Web Browser configuration
- DMX input with patch
- Built-in Architectural Control
- DMX input with patch
- Dual electronics with full tracking backup available
- ETL Marked

**PHILIPS**  
**Strand Lighting**

### SPECIFICATION SUBMITTAL

CONSULTANT: <input type="text"/>	PROJECT NAME: <input type="text"/>	MODEL NUMBER   QUANTITY: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
DATE: <input type="text"/>	PROJECT NUMBER: <input type="text"/>	APPROVED BY: <input type="text"/>

The C21 Dimming system represents premium performance and high value for all levels of users. Designed to interface directly with Strand Lighting's ShowNet™ Ethernet or ACN control protocol, C21 supports an Ethernet port and an optional integral Ethernet switch. Two DMX inputs are standard with the second input available for use as an RS485 port to support our Vision.net architectural system.

All SSR dimmers feature high performance chokes and three levels of rise time. The latest technology IGBT dimmers are available in dual 20 amp modules. The C21 system may be fully populated with dual IGBT dimmers or mixed with standard SSR dimmers in the same rack, offering the best value and performance.

C21 Dimmer Systems feature a universal 24 and 48-module rack design that provides support for 90-260 volt operation and is ETL and cETL listed.



Single and Dual Electronics are available

**Technical Specifications**

Supply Voltage: 90-260 volts, 3 phase up to 800 amps  
Standards Compliance: The rack and dimmer modules shall be ETL marked



**Mechanical Data**

Construction: Formed steel assembly  
Weight: 48-module rack: 490 lbs (651 lbs. shipping)  
24-module rack: 399 lbs (436 lbs. shipping)  
Dimensions: 48-module rack: 80 x 24.5 x 23.6 Inches (HxWxD)  
24-module rack: 57 x 24.5 x 23.6 Inches  
Connections: Ethernet CAT 5e RJ 45  
DMX Inputs: 2 DMX Inputs standard 2nd input available for use as RS485 to support the Strand Vision.net architectural control system.

**Ordering Information**

**Cat No. Description**

<b>76502/120</b>	C21 Rack/48 Modules (single bottom feed)	<b>76520-0002</b>	C21/EC21 Single 96 output rack processor housing with processor and architectural power supply
<b>76503/120</b>	C21 Rack/48 Modules (single bottom feed with Amp traps)	<b>76520-0003</b>	C21/EC21 Single 96 output rack processor housing with processor and Ethernet Switch
<b>76504/120</b>	C21 Rack/48 Modules (bussed bottom feed)	<b>76520-0004</b>	C21/EC21 Single 96 output rack processor housing with processor architectural power supply and Ethernet Switch
<b>76505/120</b>	C21 Rack/48 Modules (bussed bottom feed with Amp traps)	<b>76520-0005</b>	C21/EC21 Tracking Backup 96 output rack processor housing with two processors, Architectural power supply and Ethernet Switch
<b>76512/120</b>	C21 Rack/24 Modules (single bottom feed)	<b>76522</b>	C21 96-Output Spare/Backup Rack Processor Module
<b>76513/120</b>	C21 Rack/24 Modules (single bottom feed with Amp traps)		
<b>76514/120</b>	C21 Rack/24 Modules (bussed bottom feed)		
<b>76515/120</b>	C21 Rack/24 Modules (bussed bottom feed with Amp traps)		
<b>76520-0001</b>	C21/EC21 Single 96 output rack processor housing with processor		

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