



The New Century Dimmer



24-Module C21 Dimmer Rack

48-Module C21 Dimmer Rack

Features

- Plug-in Modular Dimmer System
- Dual 2.4kW & Single 5kW IGBT fully reporting dimmer modules with 1000µs rise time
- Dual 2.4kW SSR Dimmer Modules with 350µs or 500µs filter chokes
- Single 6kW and 12kW SSR Dimmer 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
- DMX512 input with patch
- Vision.net Architectural control
- DMX512 input with patch
- Dual electronics with full tracking backup available
- ETL and cETL 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, C21 supports an Ethernet port and an optional integral Ethernet switch. Two DMX512 inputs are standard with the second input available for use as an RS485 port to support our Vision.net

architectural system. Advanced Technology IGBT dimmers with 1000us transition time are available in dual 2.4kW and single 5.0kW modules. The C21 system may be fully populated with IGBT dimmers or mixed with 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 / cETL 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
24-module rack: 57 x 24.5 x 23.6 Inches
Connections: Ethernet CAT5e (RJ45)
DMX512 Inputs: 2 DMX512 Inputs standard 2nd input available for use as RS485 to support the Strand Vision.net architectural control system

Ordering Information

Cat No. Description

75502/120	C21 Advanced Technology Dimmer Rack, 48 Module, Single Bottom Feed	76520-0001	C21 Single 96 output rack processor housing with processor
75503/120	C21 Advanced Technology Dimmer Rack, 48 Module, Single Bottom Feed With Amp Traps	76520-0002	C21 Single 96 output rack processor housing with processor and architectural power supply
75504/120	C21 Advanced Technology Dimmer Rack, 48 Module, Bussed Bottom Feed	76520-0003	C21 Single 96 output rack processor housing with processor and Ethernet Switch
75505/120	C21 Advanced Technology Dimmer Rack, 48 Module, Bussed Bottom Feed With Amp Traps	76520-0004	C21 Single 96 output rack processor housing with processor architectural power supply and Ethernet Switch
75512/120	C21 Advanced Technology Dimmer Rack, 24 Module, Single Bottom Feed	76520-0005	C21 Tracking Backup 96 output rack processor housing with two processors, Architectural power supply and Ethernet Switch
75513/120	C21 Advanced Technology Dimmer Rack, 24 Module, Single Bottom Feed With Amp Traps	76522	C21/EC21 96-Output Spare/Backup Rack Processor Module
75514/120	C21 Advanced Technology Dimmer Rack, 24 Module, Bussed Bottom Feed		
75515/120	C21 Advanced Technology Dimmer Rack, 24 Module, Bussed Bottom Feed With Amp Traps		

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C21

Dimming for the 21st. Century



C21 dimming modules



Features

- Plug-in Modular Dimmer System
- IGBT and SSR modules may be mixed in the same rack
- Dual 2.4kW & Single 5kW IGBT fully reporting dimmer modules with 1000 μ s rise time
- Dual 20 amp SSR Dimmer Modules with 350 μ s or 500 μ s filter chokes
- Single 6kW and 12kW SSR Dimmer Modules
- Contactor modules provide switched On/Off control for a wide range of loads
- All dual and single modules are available with optional status reporting (Standard on IGBT modules)
- New Circuit Breaker design for improved trip indication and smooth faceplate, eliminating breaker damage in touring applications
- All Breakers are fully magnetic
- ETL and cETL listed

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The C21 dimmer rack was developed in response to indepth market research from key customers and consultants. The new dimming system allows users to freely mix dimmers of any type within a single rack.

All dual and single dimmer and contactor modules may be ordered with dimmer status reporting electronics, providing system operators with a wide range of dimmer information.

All dimmer status and rack configuration is

available via any Web Browser connected to the lighting network. C21 Dimmer Systems feature a universal 24 and 48-module rack design that provides support for 90-260 volt operation and are UL / cUL recognized and ETL / cETL marked.

Technical Specifications

Standards Compliance: All Standard C21 dimmer modules
UL / cUL recognized and ETL / cETL marked

Mechanical Data

Construction: Heavy duty formed aluminum



Ordering Information

Cat No. Description

Dimmer Modules

SSR Standard Dimmers

76562	Dual 20A 350µs Dimmer
76563	Dual 20A 500µs Dimmer
76574	Single 50A 350µs Dimmer
76575	Single 50A 500µs Dimmer
76576	Single 50A 800µs Dimmer
76585	Single 100A 350µs Dimmer

SSR Reporting Dimmers

76587	Single 100A 350µs Dimmer
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IGBT Reporting Dimmers

76592	Dual 20A 1000µs Dimmer
76593	Single 50A 1000µs Dimmer

Non-Dim / Constant Modules

Contactor Modules

76555	15A Dual Non Dim
76560	15A Dual Non Dim Reporting
76566	20A Dual Non Dim
76571	20A Dual Non Dim Reporting
76578	50A Single Non Dim
76583	50A Single Non Dim Reporting

Constant Modules

76554	15A Dual Constant
76559	15A Dual Constant Reporting
76565	20A Dual Constant
76570	20A Dual Constant Reporting
76577	50A Single Constant
76582	50A Single Constant Reporting
76584	100A Single Constant
76586	100A Single Constant Reporting

Accessories

76588	Blank Dimmer Module
76688	Emergency Power Sense (120V)

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