

EC21

Dimming for the 21st. Century

Features

- 24 and 48 module racks with lockable EasyView steel doors
- Plug-in Modular Dimmer System
- Advanced technology processor features a built-in Ethernet input port
- An optional plug-in Ethernet switch is available to link multiple racks
- European DIN Standard breakers
- Optional RCD per circuit
- Ample wire chamber for ease of installation and to accommodate oversize load wiring
- Fault beacon for easy notification of faults
- Web Browser configuration
- Vision.net Architectural Control
- 128 Back up Presets
- DMX512 input with patch
- Dual Processor option with full tracking back up available
- Emergency Rack Panic feature (hard wired for security of local or remote control)
- Dual 2.5kw and Single 5.0kw IGBT dimmer with 650µs rise time
- Dual 3kW and 5kW Thyristor Dimmer Modules with 200µs or 435µs filter chokes
- Contactor and Fluorescent modules available to control a wide range of loads
- IGBT and Thyristor modules may be mixed in the same rack
- Optional Amp traps for full 100,000 AIC fault current rating
- CE Marked



Single and Dual Electronics are available

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 EC21 Dimming system represents premium performance and high value for all levels of users. Designed to interface directly with Strand Lighting's ShowNet Ethernet, the EC21 system includes an Ethernet port and an optional integral 4 port switch and a wide range of inputs. Two DMX512 inputs are standard with the second input available for use as an RS485 port to support our Vision.net

architectural system and 128 back-up presets. All Thyristor dimmers feature high-performance chokes and two levels of rise time filtering. The latest technology IGBT dimmers are available in dual 2.5kW and single 5kW dimmer modules. IGBT dimmers provide virtually silent loads. The EC21 system may be fully populated with IGBT dimmers or mixed with Thyristor

dimmers in the same rack offering best value. EC21 Dimming systems feature a universal 24 or 48-module rack design that provides support for 90-260 volt operation and is CE marked, meeting a wide range of requirements within a single rack.

Technical Specifications		Mechanical Data	
Supply Voltage:	90-260 volts, 3 phase up to 800 amps	Construction:	Formed steel assembly
Standards Compliance:	EMC emissions to EN50081-1, EN55014; EMC immunity to EN50082-1, IEC1000-2-2; Safety: EN60950, EN60439 Part 1 (also part 12 BS5486); UL1950; The rack shall be CE marked	Weight:	<ul style="list-style-type: none"> ● 48-module rack: 223kg (296kg packed) ● 24-module rack: 181kg (198kg packed)
		Dimensions:	<ul style="list-style-type: none"> ● 48-module rack: 2032 x 623 x 660mm (HxWxD) ● 24-module rack: 1448 x 623 x 660mm (HxWxD)
		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

75502/230	EC21 Advanced Technology Dimmer Rack, 48 Module, Single Top Feed	76520-0003/EC	EC21 single 96-output rack processor housing with processor and Ethernet switch
75503/230	EC21 Advanced Technology Dimmer Rack, 48 Module, Single Top Feed With Amp Traps	76520-0004/EC	EC21 Single 96-output rack processor housing with processor architectural power supply and Ethernet switch
75512/230	EC21 Advanced Technology Dimmer Rack, 24 Module, Single Top Feed	76520-0005/EC	EC21 tracking backup 96-output rack processor housing with two processors, architectural power supply and Ethernet switch
75513/230	Advanced Technology Dimmer Rack, 24 Module, Single Top Feed With Amp Traps	76522 C21/EC21	96-output spare/backup rack processor module
76520-0001/EC	EC21 single 96-output rack processor housing with processor		
76520-0002/EC	EC21 single 96-output rack processor housing with processor and architectural power supply		

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