



OPTIO® POWERSPEC® HDF

FLUORESCENT DIMMING MODULE

OPT42000HDF: QUAD 2000VA 120V

(OPT42000HDF15: QUAD 1800VA 120V)

Project:

Location/Type:

Description

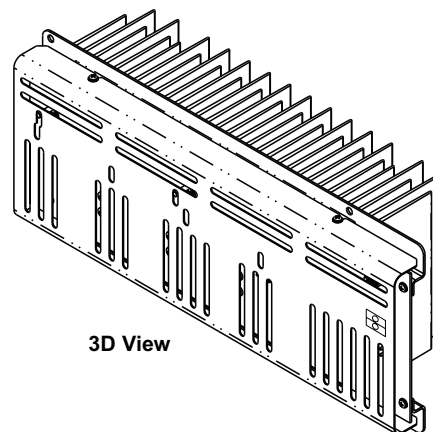
Optio® OPT42000HDF/OPT42000HDF15 Dimmer Modules contain four high-quality PowerSpec® HDF Fluorescent dimmers. Each dimmer employs solid-state Silicon Controlled Rectifier (SCR) devices which are rated at no less than double the dimmer's rated capacity. They are c.U.L. recognized and rated for operation at 120VAC, with a capacity of 2000VA each (OPT42000HDF15 rated for 1800VA each). The module is ruggedly designed, fully enclosed module. Modules are easily installed into an Optio® Lighting Control Panel, and may be easily interchanged with other Optio® modules.

Features

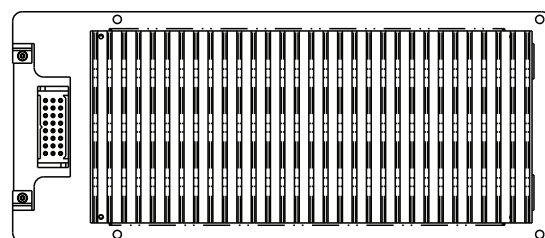
- Four circuits rated at 2000VA each (OPT42000HDF15 rated for 1800VA per dimmer)
- Designed to dim Lightolier® Controls PowerSpec® HDF Fluorescent Dimming Ballasts
- Local 'Focus' button allows manual operation of each dimmer circuit.
- Dual-color LED indicators provide status information
- Modular construction with plug-in capability
- Mounts into any Optio® 120VAC Lighting Control Panel

Ordering Info

OPT42000HDF	Optio® PowerSpec® HDF Dimming Module, Quad 2000VA, 120VAC
OPT42000HDF15	Optio® PowerSpec® HDF Dimming Module, Quad 1800VA, 120VAC (15A Circuit Breaker)



3D View



Rear View

Specifications

The Optio® OPT42000HDF PowerSpec® HDF Dimmer Module shall contain four solid-state dimmers rated for 2000VA each (OPT42000HDF15 rated for 1800VA per dimmer). The dimmers shall be UL and cUL recognized, and approved to control Lightolier® Controls PowerSpec® HDF fluorescent dimming ballasts. Dimmer modules shall be constructed using two silicon controlled rectifiers placed in a back-to-back configuration for each circuit, and shall be capable of handling current rated for twice the dimmer's load rating.

The Optio® OPT42000HDF/OPT42000HDF15 Dimmer Module shall provide a locally mounted 'Focus' button for each dimmer. Tapping the Focus button shall turn the dimmer to full on, tapping the Focus button a second time shall turn the dimmer to off. Pushing and holding the Focus button will ramp the dimmer output up, and shall stop ramping and hold position when the Focus button is released. The Dimmer Module shall contain a dual-color LED display to indicate dimmer status and error conditions.

The Optio® OPT42000HDF/OPT42000HDF15 Dimmer Module shall be constructed with a robust anodized aluminum heatsink, and painted metal cover. Optio® Dimmer Modules shall be capable of installation into any slot in any Optio® Lighting Control Panel of the appropriate operating voltage.

Electrical

Operating Voltage: 120VAC, 50/60Hz

Number of Dimmers per module: 4

Maximum Load Wattage:

2000VA per dimmer (OPT42000HDF)

1800VA per dimmer (OPT42000HDF15)

Compatible Load Type(s):

Lightolier® Controls PowerSpec® HDF Fluorescent Dimming Ballasts

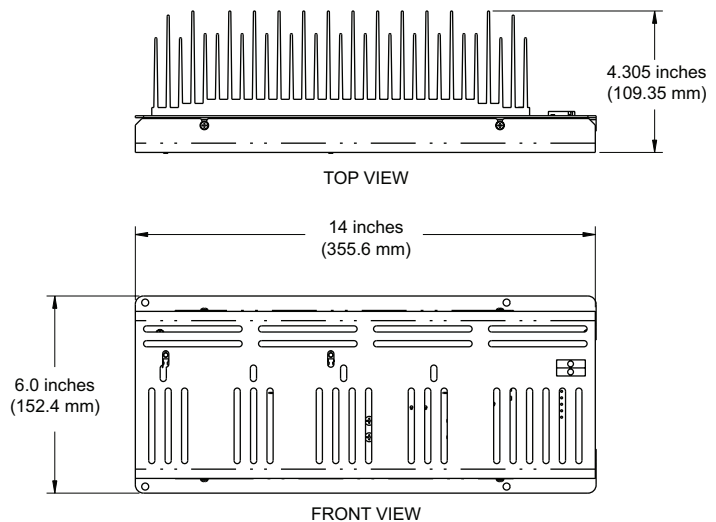
Efficiency: 98%

Operating Temperature Range: 0-40°C

Operating Relative Humidity: 10-90% (non-condensing)



Dimensions



Installation in an Optio® Lighting Control Panel

NOTE: The Optio 9-Module Panel model is used to illustrate the installation, however, the module installation is identical for all Optio Panel models.

