



THE ART OF DIMMING



Avolites ART Dimmers
Dimming, Mains and Data Distribution

**TOTAL VISUAL CONTROL
FROM ROCK TO OPERA**

ART2000 T SERIES



Touring Dimmers

Providing a complete solution to Dimming, Moving Light Power and Data distribution.

No need to have separate mains distribution or DMX splitters making set up times faster and lowering the number of individual components needed to put a show together. The ART 2000 controls up to 48 individual channels using four plug in modules of 12 channels each.

The available modules types are:

- 16amp 12 channel continuously rated dimming module with 250uS rise time and local controls.
- 16amp 12 channel switch module for powering moving lights or other equipment.
- 16amp 12 Channel Contactor module, allowing remote switching of ballasted fixtures.

- 48 channels at 16 amps per channel
- Channels can be specified as dimmable, manual switch or contactor
- Excellent noise suppression with 250uS chokes
- 100% duty cycle
- Single Pole and Neutral Disconnect breakers are available
- C-type breakers allow for high inrush currents
- Three Phase and Single Phase operation (requires option)
- Individual faders for each channel for use as channel test, scene setting or for controlling the twelve on-board memories



ART 2000 T2 24 x 16A



ART 2000 T4 48 x 16A ST18



ART2000TV SERIES



ART 2000TV T4 12 x 63A

ART 2000TV T4 24 x 32A

Film and TV Dimmers

The ART2000-TV range has been developed to meet the growing and changing demands of the television, film and industrial show and exhibition lighting, where the use of dimmable fixtures is becoming an increasingly popular, cost effective method of lighting these specific environments.

Within the ART2000TV T4 range there are two channel capacities, 24 x 32amp, 12 x 63amp and 14 x 16amp. The channel breakers are type C allowing for high inrush current associated with the larger capacity luminaires. Both channels sizes are continuously rated at 40 degrees C ambient, and use custom made noise suppression chokes with a rise time of 240 μ sec.

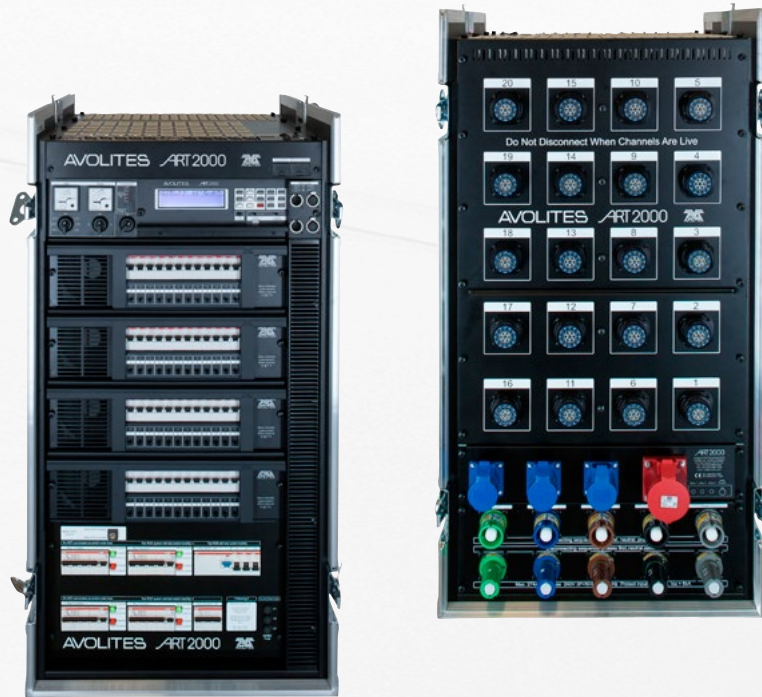
The direct output panel for the 32A channel has 24 x Ceeform 32A single phase connectors.

8 x 7pin Ceeform 32A 3 phase 3 neutral connector in parallel to each 3 channels can be added as an option.

This feature is particularly suitable for sub-distribution on set, thereby reducing cabling runs and cost.

The direct output panel for the 63A channel has 12 x 63A Ceeform single phase connectors fitted.

The ART2000TV system can also be fitted with Earth Leakage Breakers that can be individually disabled per bay by the user, a "No Volt Return" circuit assures that the RCB function is maintained after each power cycle or re-hire, therefore adhering to the future recommendation of the BS7909 standard for temporary mains distribution systems.



ART 2000TV T4 48 x 16A ELDC

The mains input can be on Single Pole Connectors such as Powerlock, Camlock and BAC with an optional Loop out.

The 'Load Check' indicators for each dimmable channel give a positive indication that a load is present and the local test fader on each dimmer channel ensure that you can easily check the connected load without having the use of a console.

The design incorporates full monitoring and status feedback via the backlit LCD display. Static state

environments are catered for using the front panel control faders. Further 12 memories can be recorded for later replaying either as a simple show in the event a console is not available.

Other features include full DMX patch and merge (2 DMX lines), dimmer curve and limit selection per channel, power OK indicators. Analog Volt and Amp metering or optional Digital metering.

- ELDC breaker system option available

Avolites Film and TV dimmers have been used on The Harry Potter series, The Lord of the Rings, Inception, James Bond, Game of Thrones, Mission Impossible, and many more...

POWER CUBE



A complete Dimming, Mains and Data Distribution Solution in one box

The compact box with proven Art 2000 technology is quick to set up. It boasts 12 dimmer circuits@10amp each, 6 combined dimmer and fixed mains.

- Dimmer and distribution channels- 10A C type ABB breakers
- Distribution channels 16A C type ABB breakers (5-10x I nominal inrush current).
- Captive Mains tail of 1.2m H07R 5x 10mm² fitted with a 63A 5 pin Cee connector.
- Flight-case and dimmer provide for easy storage of this cable
- Mains supplies either 63A 3phase+NTN-S or 63A single Phase +N.
- Mains inlet breaker 63A D type ABB breakers (10-15x I nominal inrush current).
- Three individual single phase 63A 30mA residual current breakers to protect operators. Each RCB protects one phase, therefore increasing the selectivity of the RCB protection. (BS7909 requirement).
- Mains breaker is a four pole unit that also protects the Neutral wire which is important in case of single phase operation.
- Socapex or Harting output connectors available

ART 2000i SERIES



ART 2000i 24 x 16A



ART 2000i 12 x 16A & 6 x 32A

Install Dimmers

The ART2000i is based on a master frame containing two dimmer modules and cost effective expansion module that can add another two slave modules. The whole system is constructed to the tough, high quality design and build specifications of all other Avolites products.

Systems are available with a range of channel types, including 16 or 32amp dimming channels, mains switching channels or DMX controlled contactor modules, allowing remote switching of ballasted fixtures. Each frame has a dedicated mains inlet, allowing for easy retrofit in venues with smaller mains supplies already fitted.

Many installation systems require hot patching, where the installer needs to fabricate a custom patch panel. Only Avolites offers you the convenience of a fully integrated mains patching system within the installation dimmer. Other features include full DMX patch and merge (2 DMX lines), dimmer curve and limit selection per channel, power OK indicators.



ART 2000i 24 x 16A & Patch