

Mega 4Bank DMX



The 8ft and 6ft Mega 4Bank DMX lighting systems are the largest portable soft lights designed by Kino Flo. They give the cinematographer or lighting designer a unique soft light that cannot be easily duplicated with traditional luminaires. Lightweight and cool in operation, they can be hand-held, attached directly to a set wall, or stand mounted.

The 4-Lamp Mega Fixture

- Built-in Barndoors
- Removable Reflector, Louver and Lamp Harness
- Twist-on Locking Center Mount
- True Match® daylight, tungsten

The High Output Ballast

- Mega 4Bank DMX
- Flicker-free, HO/Std switching
- Individual lamp control
- Instant-on, dead quiet
- Remote operation

Mega 4Bank DMX System Includes



Mega 4Bank
Fixture



Twist-on
Mount w/
Junior Pin



Extension



Mega 4Bank DMX
Ballast

Details Of Features



More Information

Mega 4Bank DMX System Highlights

- 4-Lamp remote fixture w/ built-in barndoors
- Fixture includes Reflector, Louver (x2), and removable Harness
- Same fixture takes daylight and tungsten lamps
- Mounts to a stand, light enough to screw to a wall
- Removable center mount
- Fixture or lamps w/ harness run up to 75 feet (24 meters) from ballast
- High output, flicker-free ballast
- Instant-on, dead quiet
- DMX and manual lamp switching - no color shift
- HO/Std switching
- DMX has "Auto Terminate" feature

- Same ballast runs 6ft and 8ft lamps
- Operates at 1/10th the power of conventional tungsten softlights
- UL listed, CE approved

Mega 4Bank DMX System

The first thing to note about the Mega 4Bank DMX System is that it consists of four components: Mega 4Bank Fixture (fig. 1), Mounting Plate (fig. 2), Ballast (fig. 3) and Extension Cable (fig. 4). It was designed in this manner to allow the greatest flexibility when working on film production where the gaffer and DP are constantly being challenged to light unique locations and problem solve at a moment's notice.

Sometimes size does matter, so Kino Flo introduced a larger version of its popular 2ft and 4ft Select 4Bank lighting systems. The new line is called "Mega", as opposed to "Select", and uses 6ft and 8ft T-12 bi-pin Lamps. The Mega series gives broader coverage to large areas, especially when using silks, backlighting photographic panels or building soft boxes to light automobiles or other large objects.

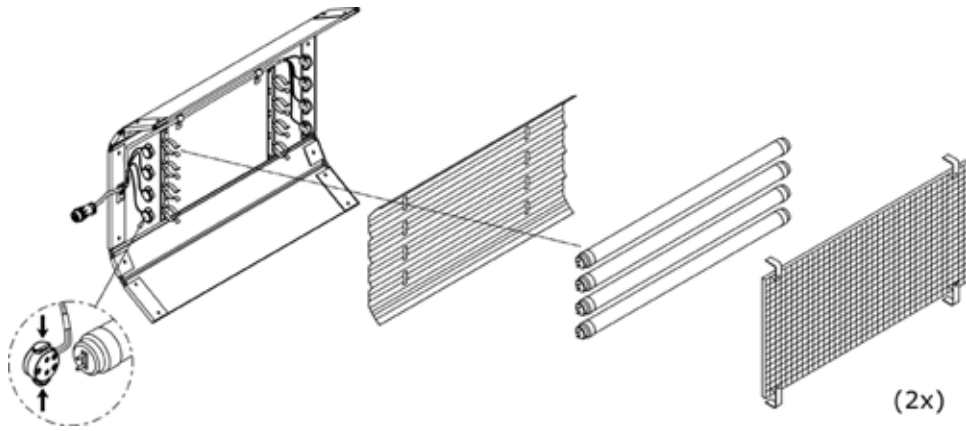
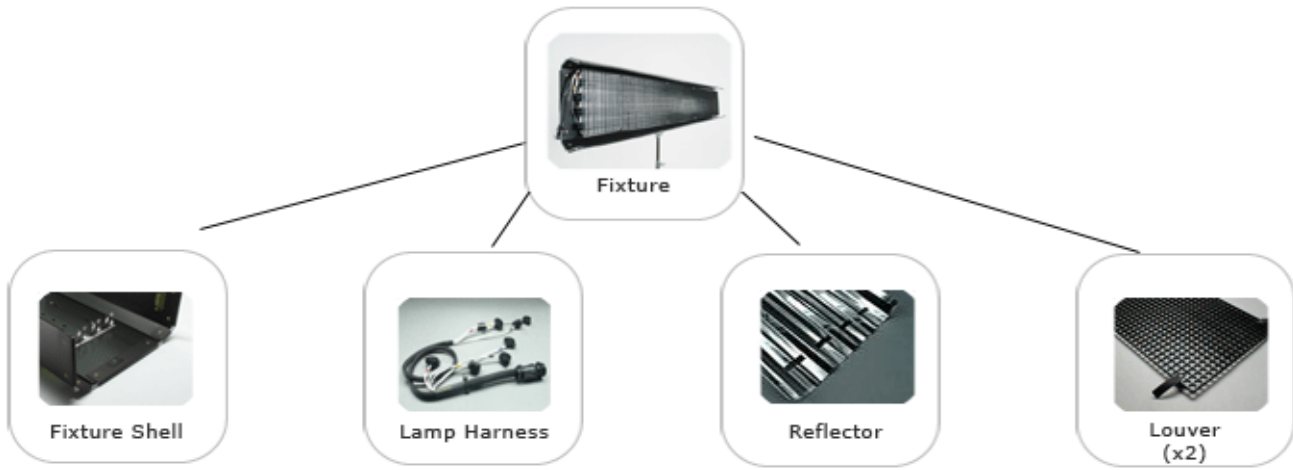
Even though it is a large source, the Mega 4Bank 8ft system only draws 7 Amps at 120vac and can plug into any wall socket on location. With its narrow profile, the Mega 4Bank can approximate the quality of light from bounced sources and a tremendous amount of "wrap".



The Mega 4Bank Fixture

The Mega 4Bank fixture houses the lamps and is comprised of a removable Louver (x2), Reflector, and Lamp Harness. Note: The 8ft fixtures include two 4ft Louvers; the 6ft fixtures include two 3ft Louvers.

The Louver and Reflector are held in place with Velcro fasteners. There is a strain relief on the lamp harness to ensure the connectors don't pull off the lamps during operation. To get the harness away from the fixture, turn the ¼ turn fastener and rotate counter clockwise to release.



The Harness wiring is color-coded. The same color-code must match at each end of the lamp for proper operation.



Fixture can be used in several configurations:

- 1) Complete fixture with all components combined
- 2) "Harness Only" - The wiring harness is removed from the fixture so that the user can build a softbox, hide behind Plexiglass or rig into tight locations. The wiring harness uses Kino Flo designed lamp connectors that grab the lamp pins so lamps can be operated independently of the fixture.
- 3) "Harness + Reflector" - Same as above, but may want to use the reflector to give more punch and direction to the light.
- 4) Can use Louver to give direction to the light or remove louver to give broad coverage over an area, such as lighting over a car, motorcycle or other large objects.

The fixtures can be used as a daylight source by using Kino Flo KF55 lamps or a tungsten source using Kino Flo KF32 lamps.

Kino Flo lamps are color-correct and safety-sleeved. The lamps are safety-sleeved because they can operate inside the fixture or independently with only the wiring harness. Additionally, on a production set the lamps are often changed out. The safety-sleeving offers protection during lamp changes for the user as well as the talent on the set.



Fixture Accessories

Besides the plastic louvers, other light control options include the new BatWing® Louver. The BatWing Louver attaches directly to the lamps and gives direction to the light with minimal light loss.



4Bank BatWing
(BAT-W4)

Mounting



MTP-K81

One of the design features that makes the fixture so popular is the Twist-on Center Mount (**MTP-K81**). When it's on, the fixture mounts easily to a light stand; when it's off, the fixture is flat and can be hand-held or hidden in a space too small to place a stand-mounting fixture. When the mount is removed, the grommet holes along the edge of the fixture are designed to allow the fixture to be screwed to a wall or ceiling through its eyelets.



The standard mount (**MTP-K81**) comes with a 1 1/8" (28mm) lollipop that mounts to a junior stand or junior receiver. The ball and socket mount allows the fixture to be oriented in a broad range of angles. The silver ring wire loops are there to provide attachment points for a safety chain.



The Mega 4Bank DMX Ballast

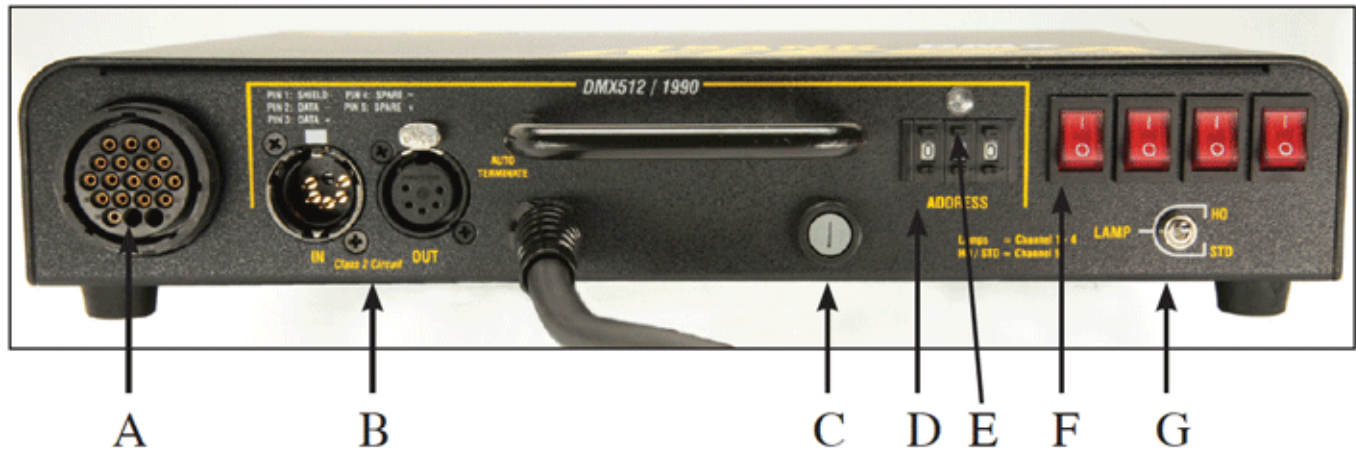


Mega 4Bank DMX Ballast
(BAL-455-M120)

Kino Flo developed its own Mega 4Bank DMX ballasts that could run 6ft & 8ft fixture heads remotely. Unlike conventional architectural ballasts that need to operate three to six feet from the fixture head, Kino Flo ballasts can operate the fixture heads from up to 75 feet (3 x 25ft extension cables). Keeping the ballast remote makes the controls more accessible to lighting crews who might need to rig the fixtures into set designs or high up in a lighting grid, but control them easily from a convenient location on the stage floor.

The Kino Flo Mega 4Bank DMX ballast is a high output, high frequency electronic ballast that can operate four lamps (6ft or 8ft). The ballast sends a high output current to the lamps to drive the light as brightly as possible. Its high frequency electronics prevent any type of flicker as well. A special heat-sink design and custom electronic engineering ensure stable operation without magnetic hum or cooling fans to interfere with the sound recording on set.

Mega 4Bank DMX Control Panel



- A) Circular Output Connector:** Provides electrical power to the lamp head with the use of a Mega 4Bank extension cable.
- B) DMX-In & DMX-Out:** DMX-In receives DMX signals from Dimmer Board. DMX-Out relays DMX signals through other Fixtures or Instruments.
Note: Each Mega 4Bank DMX ballast (455M series) has an **"AUTO TERMINATE"** feature. The last ballast that does not have an XLR cable attached to the DMX "Out" port will automatically terminate.
- C) Fuse:** Provides circuit protection. Note: If Fuse is "blown" or "open", replace with same type of fuse rating as marked.
- D) DMX Address:** Sets DMX Address. (Channels 1~4 = Lamps; Channel 5 = HO/Std)
- E) DMX Indicator:** Lights if valid DMX signal is present.
- F) Manual Switches:** Turns lamps on and off manually.
- G) HO/STD:** Set to **HO** for High Output and **Std** for Standard light output.

The Mega 4Bank DMX ballast has individual lamp switching. There is no delay when switching lamps. The ballast operates the lamps on/off instantly. Additionally, the lamps can be operated in a High Output/Standard Output (**HO/Std**) mode to raise or drop the wattage in the tubes for light output and color control without any color shift. Notice we haven't used the word "dimming" to describe lighting control. The reason is that dimming changes a lamp's color temperature and color balance. The combination of lamp switching and **HO/Std** control light levels without the color shift issues you have with dimming.

The Mega 4Bank DMX ballast can be run manually or via a separate DMX control board. With DMX control the Mega 4Bank DMX ballast operates on 5 addresses. The first 4 addresses control the lamps and the 5th address controls the **HO/Std** setting.

For more detailed DMX information, see the [Operation Manual](#).

The Kino Flo Mega 4Bank DMX ballast accomplishes all this and still out-performs tungsten lighting instruments 10 to 1 when it comes to energy efficiency. In other words, the Mega 4Bank DMX ballast uses 1/10th as much power to produce the same amount of soft light as incandescents. The Mega 4Bank DMX ballast works reliably under most normal conditions, but it's also trustworthy in more harsh conditions, such as extreme cold. The Mega ballast series is designed to operate at temperatures from 14F to 122F (-10C to +50C).

The Mega 4Bank Extension cable



X19-25M



X19-A9M



X19-A7M

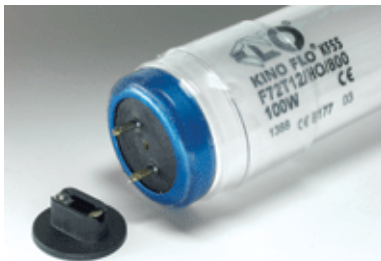
Up to 75 feet (3 x 25ft) of extension cable can be used between the fixture and the ballast. The Mega 4Bank, Mega Double & Mega Single family are electrically compatible. A splitter can be used at the Ballast or on the end of an extension cable to split a Mega 4Bank ballast into either four Mega Single or two Mega Double fixtures. This allows for a lot of rigging flexibility.

The Kino Flo Lamps



Mega 4Bank, Double and Single products require safety-coated lamps.

Traditionally, 6ft and 8ft High Output lamps come with a Recessed Double Cathode. In order to use the 6ft and 8ft lamps with Kino Flo's Locking Lamp Connector, Kino Flo's lamps have a standard bi-pin configuration. If the lamps are to be used for swapping out existing fixtures on location, a removable adapter can be used.



EXP-RDC

A discussion of lamps available for use in the Mega 4Bank System in the **Lamp Section** provides more information on the types of lamps available from Kino Flo. It's important to know that the True Match daylight and tungsten 6ft tubes and 8ft tubes common on sets around the world are unique to Kino Flo because they display broad, even, color-correct light that cinematographers have come to depend on. These are the only high color rendering fluorescent lamps made for the professional film and video production.

All True Match lamps used in the Mega 4Bank fixture are available Safety-coated. Safety-coating protects the user from broken glass if the tube breaks. The lamps can operate independent of the fixture allowing them to be built into sets or custom soft boxes or hand-held.