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Single Discontinued 07/2018

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The universal Single portable lighting system comes in a slender package but delivers ample light for challenging spaces set practicals or automobile interiors. Single Systems feature:

The 1-Lamp Fixture

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

The High Output Ballast

- Universal input 100VAC-240VAC
- HO/Standard switching
- Flicker-free, remote operation
- Instant-on, dead quiet

Single System Includes



Single Fixture



Mounting Plate



Single Extension



Single Ballast

Single System Highlights

- 1-Lamp remote fixture w/ built-in barndoors
- Fixture includes Reflector, Louver, and removable Harness
- Same fixture takes daylight and tungsten lamps, plus visual effects color lamps
- Mounts to stand, light enough to tape to wall
- Removable center mount
- Fixture or lamps w/ harness run up to 75 feet (24 meters) from ballast
- High output, flicker-free ballasts
- Universal input voltage from 100-240VAC can be used anywhere in the world
- Instant-on, dead quiet
- HO/Std switching
- Low amperage draw at 0.6A/120VAC, 0.3A/230VAC
- Same ballast runs 4ft and 2ft lamps
- UL listed, CE approved

Single System

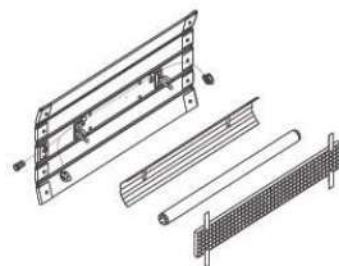
The *Single System* was designed as a softlight source that could be plugged into the wall on location. With its narrow profile the Single could approximate the quality of light from bounced sources without losing set space.

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

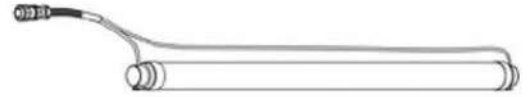


The Single Fixture

The Single fixture houses the lamp and is comprised of a removable Louver, Reflector, and Lamp Harness. 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 fixture during operation. To get the harness away from the fixture, turn the $\frac{1}{4}$ turn fastener and rotate counter-clockwise to release.



Harness



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 Plexig rig into tight locations. The wiring harness uses Kino Flo designed lamp connectors that grab the lamp pins so lamps can 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.

The fixtures can take a variety of lamps. They can be used as a daylight source by using Kino Flo KF55 lamps or a tungsten Kino Flo KF32 lamps. A variety of visual effects for blue and green screen as well as designer colors are available.

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

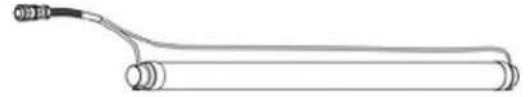


Mounting

One of the design features that makes the fixture so popular is the twist-on removable Center Mount. When it's on, the fixture is easily attached 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. When the mount is removed, the grommet holes along the edge of the fixture are designed to allow the fixture to be attached to a wall or ceiling through its eyelets.



The standard mount comes with a 3/8" lollipop that clamps into a grip head. The ball and socket mount allows the fixture to be attached to a stand at a broad range of angles. There is also a longer baby-stand mount and a short version (see below). The yellow wire loops provide attachment points for a safety chain.



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Single mounting options include **MTP-KW41** Mount with 3/8" Pin (10mm); **MTP-BW41** Mount with Baby Receiver (16mm) **MTP-BW41S** Mount with Baby Short (16mm).



MTP-KW41



MTP-BW41



MTP-BW41S

Note: The lollipops on all of these mounts are interchangeable.



MTP-L Kino 41 Lollipop w/ 3/8" Pin (10mm)

MTP-LBC Kino 41 Lollipop w/ Baby Receiver Curve (16mm)

MTP-LBS Kino 41 Lollipop w/ Baby Receiver Short (16mm)



Turn the knob to loosen or tighten the mount.

The Single Ballast



Single Ballast

All the features of the Single fixture would be useless if Kino Flo had not developed its own ballasts that could run the fixture remotely. Unlike conventional architectural ballasts that need to operate three feet to six feet from the fixture head, Kino Flo can operate the fixture heads from up to 75 feet (3 x 25ft extension cables).

The Kino Flo Single is a high output, high frequency electronic ballast with universal input voltage from 100-240VAC that can operate the lamp (4ft or 2ft) up to 75 feet between ballast and fixture. The ballast sends a high output current to the lamp to drive the

Single

as possible. Its high frequency electronics prevent any type of flicker as well. Custom electronic engineering ensures stable without magnetic hum or cooling fans to interfere with the sound recording on set.



**Single Ballast
(Model BAL-127 Controls View)**

There is no delay when turning the lamp on/off. The ballast operates the light on/off instantly. There is also a special Select or drop the wattage in the tube for light output and color control. Keeping the ballast remote from the fixture and lamp makes more accessible to lighting crews who might need to rig the fixtures into set designs or high up in a lighting grid, but switch from a convenient location on the stage floor.

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

In extremely cold temperatures, the ballast may not strike the lamp initially because the lamp may need to warm up. Switch Off, wait seven seconds and try again. If the ballast does not strike after two or three attempts, turn off the ballast, check extension and harness connections are secure and re-strike. Once operating for a few minutes, the lamp should re-strike immediately.

See operation manual for more detailed information.

The Single Extension cable



X04-25

Up to 75 feet (3 x 25ft) of extension cable can be used between the fixture and the ballast. The 4Bank, Double & Single are electrically compatible.

The Kino Flo Lamps



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

So, if the Single ballast is the brains, then the lamp would have to be the beauty of the Single System. The vaunted T-12 tube has a large surface area of soft light. The wide design creates a nearly shadowless display that drops off evenly.

Smaller source fluorescents, such as the compact 55Watt lamps used in the Kino Flo Diva-Lites, can be brighter, but they create denser shadows as well. Kino Flo compensates for the lower light level associated with T-12 tubes by overdriving the ballast as described above.

A discussion of the various lamps available for use in the Single System in the lamp section provides more information on the lamps available from Kino Flo. It's important to know that the True Match daylight and tungsten 4ft tubes and 2ft tubes sold around the world are unique to Kino Flo because they display broad, even, color-correct light that cinematographers have come to rely on. These are the only high color rendering fluorescent lamps made for the professional film and video production.