

LEKO® - THE TRADITION CONTINUES

is the opposite bayonet action ensuring that the lamp is replaced at the previously selected focus position.

Lamp centering used to be done by a hand operated "joystick". To simplify the process with the new LEKO, a hole was provided in the rear handle of the lampholder ②. When a screwdriver is inserted to loosen the central locking screw, the pivot action of the screwdriver, bearing on the hole in the handle, slides two plates in an X-Y plane to precisely center the lamp. The screw is then re-tightened with no fear of upsetting the lamp position. This gives a simpler, quicker, more sure and cheaper method without the risk of burning your hand!

The third novel idea concerned the gate ③. The conventional die-cast gate with multi-layer plates, springs and shutter blades was replaced by a two part pressed spring gate assembly with an accessory slot for drop-in iris and gobo holder. This ingenious design gave the possibility of overlapping the blades to provide a greater range of cut angles, making an expensive rotating gate unnecessary. The shutters would not pull out unless assisted by the twist of a screwdriver.

The lock off used for the new LEKO was born from the vast experience gained with other die-cast luminaire developments ④. The handle compresses a dish spring inside a cup formed in the body casting, and as the handle is turned, the spring expands and produces a positive lock so the LEKO stays aimed exactly where it is set.

The balance and stability is so good that you can stand the new LEKO on its nose ⑤, with the yoke horizontal, and it doesn't tip over - a useful feature during rigging or

de-rigging a show for example.

Apart from the optical design and mechanical operation, two other important areas for a design team to address were safety, and how to manage heat within the luminaire so that the LEKO could take a 1000W lamp and obtain appropriate agency approvals. How often have 1000W lamps been squeezed into an instrument rated at 750W to get that extra light output?

So without compromising safety, an affordable solution is now right there. In fact, we are so pleased with the result that we are including a 1000W FEL lamp with

every new LEKO, to show we endorse LEKO's use as a 1000W fixture - just in case our customers have any doubt that such an exciting new design can solve the thermal problems and still fit the cost-conscious budget.

So what have we done about the price? You'll be amazed what modern design and manufacturing techniques can achieve when they try hard... But that's another story; one to talk to your Strand dealer about.

Footnote: The new LEKO will not be initially offered in Europe, but the existing 6" European LEKO range will continue for the present.



⑤ RIGHT: The new Leko® can stand on its nose with the yoke horizontal without tipping over



① Lamp replacement without focus loss.



② Faster, easier, positive lamp alignment.



③ Revolutionary shutter system.



④ Absolute tilt lock off.