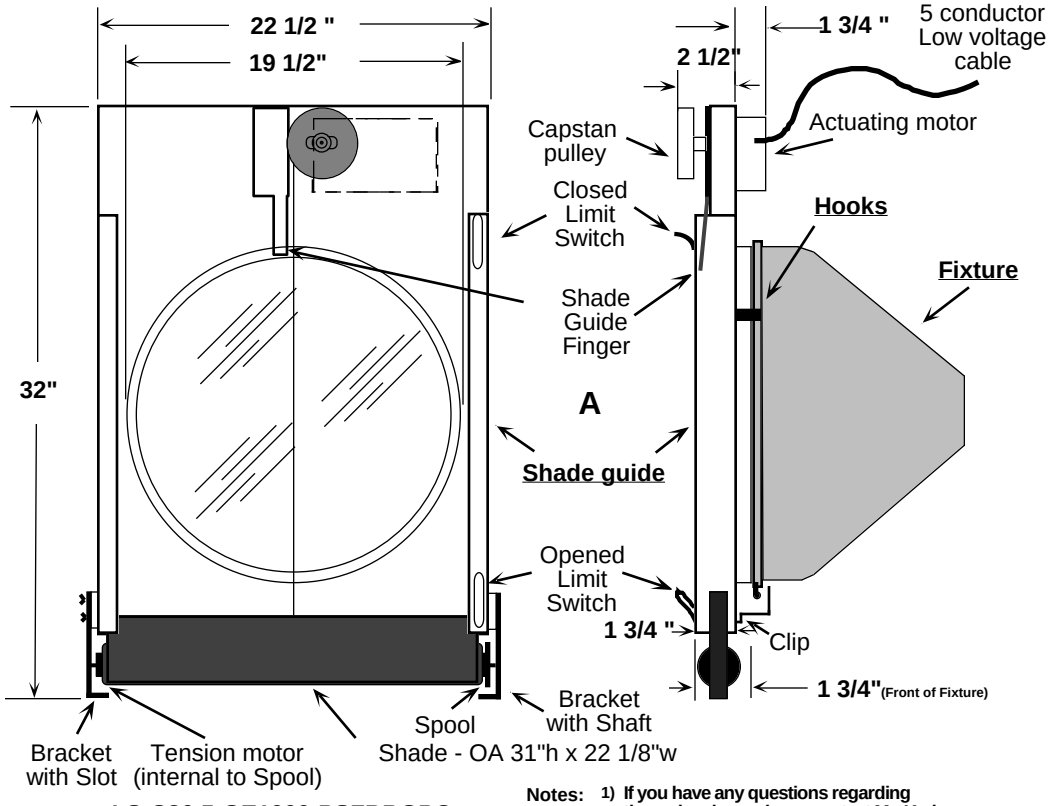
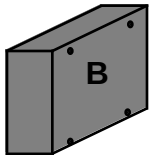
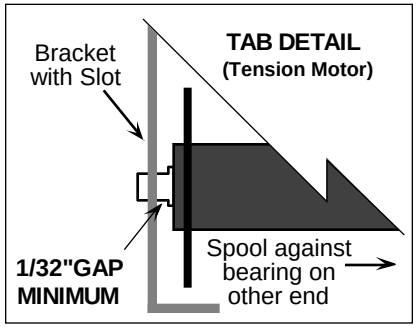


LS-C20.5-GE1000-PSFBBGPO
Shade Assembly
(~17 lbs.)

Notes: **1) If you have any questions regarding these drawings, please contact Mr. Karl Eve or Scott Thielen @ (812) 944-4893**



LTS-3R/Cs-C-JB12
Control Module
12" x 8" x 4"
55 VA
(~12 lbs.)



Overview--

The shade system consists of:

A) **Shade guide** This unit has the Shade, Tension motor, Spool, limit switches and Actuating motor with Capstan pulley attached. A Safety chain / cable can be attached to the provided holes.

B) Remotely mounted **Control Module** Connected to Line Power and Provides Switching Ballast Power and Controls the **Shade guide** via low voltage 5 wire cable. The motor power supply, direction relays, and Ballast relay are in this box.

Instructions for installation of Payne-Sparkman LiteShade System on circular downlight fixtures .

Assembly Procedure Notes

- The Payne Sparkman LiteShade may be installed on the fixture before the fixture is hung or on the reflector before the reflector is secured to the lamp housing or after the fixture/reflector assembly is mounted. Hang the shade by the three **Hooks** on the top edge of the **Reflector** rim and align horizontally and swing into place. The stainless mounting clip is attached but loose ready to be clipped over the edge of the reflector and tightened down.

- The Payne Sparkman shade assembly is shipped complete as one piece. It may be operated prior to attachment to the fixture/reflector by Connecting to a Control Module, applying the specified power and operating the open close switch in the Control Module or by plugging the network cable into a battery powered hand held network test box (#LTTB-X1) with an open close switch. All units are tested in this manner just before they are shipped from the factory. Observe that the shade operates properly with the shade closing by the Capstan winding counterclockwise from the front and opening by the Capstan winding clockwise. Tension on the shade is maintained by the spring loaded Spool holding the shade. This is preset at the factory. The capstan pulley **CANNOT** be rotated by hand. If needed, the set screw on the capstan pulley can be loosened to allow it to freewheel then retightened. Do not overtighten as this will deform the aluminum shaft.

- Should Tension adjustment be required, the bracket with a slot holding the flat pinned end of the Spool may be detached from the frame and used to set the Tension motor spring tension by winding 27 turns (with the shade closed) or 32 turns(with the shade open) from a relaxed zero tension state in the clockwise Direction and reattached. Ensure the brackets are not pinching the Spool too tightly by checking the bracket with a slot (flat pinned end of the Spool) is not against the shoulder of the tab (see tab detail) for smooth operation. The Open end of the Shade Guide Finger should be adjusted to allow the Shade to enter when closing at final mounting angle. The closed end is adjusted to minimize light leakage. Do not allow it to wedge the shade so tight that the tension motor cannot open the shade or the shade does not operate the closed limit switch properly.

US Patent No. 5,887,970

PAYNE SPARKMAN
Originators of the Ultrasonic™ Ballast
New Albany, Indiana 47150

CUSTOMER		
JOB: **Pepsi Arena**		
TITLE: LiteShades™ / GE 1000 W Sport Physical		
DATE: June 19, 2001	DRAWN BY: KEE	REV
Last Open: **4/15/102 11:18 AM**		
CD#: Pepsi LiteShade Inst.&phys	DRAWING NUMBER: 061901C	