

CookeOpticsLimited

Cooke 5/8 Lighting Control Instructions, v1.0.2

1) STANDARD MODE

- 1-1) Connect the unit to a DC source of 9-35V, then connect the serial cable to the lens. See fig.1
- 1-2) During startup the module performs an auto-test and the LEDs are blinking (Yellow1, Yellow 2, Red/Green) See Fig.1
- 1-3) After the auto-test the green LED should be lit. A red LED means a connection failure with the lens; in this case check the connection and the cable. See Fig.2
- 1-4) Press “ + ” or “ - ” to adjust the illumination of the scales on the lens. The brightness of the unit’s LEDs vary with the adjustment.
- 1-5) ZONE selects the illuminated scales on the lens. Three positions are available
 1. Operator scale ON and Assistant scale ON
 2. Operator scale OFF and Assistant scale ON
 3. Both scales OFF

2) RESET

Sets the unit to the factory preset values.

- 2-1) While pressing ZONE, connect the power cable.
- 2-2) All LEDs are highlighted.
- 2-3) Release ZONE.
- 2-4) The unit starts normally with 50% brightness on the OPERATOR and ASSISTANT scales.

3) SPECIAL MODE: LEDS OFF ON THE LIGHTING CONTROL UNIT

This mode gives the possibility to switch off the LEDs on the unit. The unit operates the lens normally, but both LEDs on the control unit are off.

- 3-1) While pressing “ - ”, connect the power cable
- 3-2) All LEDs are highlighted.
- 3-3) Release “ - ”
- 3-4) The module starts normally with LEDs off on the unit.

4) SPECIAL MODE: ADJUST THE MAXIMUM BRIGHTNESS OF THE YELLOW LEDES

- 4-1) During normal use, press ZONE until the green LED brightness increases.
- 4-2) By keeping ZONE pressed, the Green LED becomes very bright.
- 4-3) Press “ + ” or “ - ” to adjust the maximum brightness of the LEDs
- 4-4) Release ZONE to exit the SPECIAL MODE



Fig. 1



Fig. 2

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Manual Scale Illumination for 5/ $\frac{1}{8}$ lenses

At Power up, the LED's will be OFF and consume minimum power.

To alter the brightness of both sets of LEDs, move the Aperture ring to the aperture setting T22 end-stop and move it away towards T1.4, then repeat that process twice more within 3 seconds.

This will cause the LED's to be set to fully ON for 0.3 secs, then fully OFF for 0.3 secs and then fully ON. The operator can now adjust the desired level by moving the Aperture scale up (towards T22) or down (towards T 1.4). If there is a 2 second period during which "no change of Aperture setting" is detected, the "set illumination level" is retained.

During this setting process, the normal $\frac{1}{8}$ lens operation continues.

To alter the brightness of one set of LEDs, move the Aperture ring to the aperture setting T1.4 end-stop and move it away towards T22, then repeat that process twice more within 3 seconds.

This will cause the LED's to be set to OFF for 0.3 secs, then ON for 0.3 secs, then OFF again. The operator can now adjust the desired level by moving the Aperture scale up (towards T22) or down (towards T 1.4).). If there is a 2 second period during which "no change of Aperture setting" is detected, the "set illumination level" is retained.

During this setting process, the normal $\frac{1}{8}$ lens operation continues.

To turn off LEDs, move the Aperture ring to the aperture setting T1.4 end-stop and move it away towards T22, then repeat that process twice more within 3 seconds.

This will cause the LED's to be set to OFF for 0.3 secs, then ON for 0.3 secs, then OFF again. The operator can now wait at least 2 seconds and the "off set illumination level" is retained.

During this setting process, the normal $\frac{1}{8}$ lens operation continues.