

LED Stimulus Light

User's Guide



3700 Sagamore Pkwy N
Lafayette, IN 47904
Tel: (765) 423-1505

info@lafayetteinstrument.com
www.lafayetteinstrument.com

80225M/80226M Series LED Stimulus Light User's Guide

Description

The 80225M and 80226M series LED Stimulus lights are used for the conditioning of animals with computer controlled operant systems using ABET, ABET II or other computer-controlled interface and software. The 80225M and 80225M14 LED Stimulus lights are configured as a single intensity light. The 80226M and 80226M14 LED Stimulus lights are configured as variable intensity light with 7 intensities.

Specifications

Power: +24volts – 28volts DC

Output Illuminance

- 80225M/M14: 8 lux
- 80226M/M14: 8 - 60 lux

Wiring Instructions

80225M series LED Stimulus light

- Red: Power (+24volts - 28 volts)
- Black: Ground
- White: Operate (Active low, shunt to Ground)

80226M series LED Stimulus light

Use the supplied 6 pin modular cable with stripped and tinned wire and wire as follows.

Table 1: Wiring RJ12 – 6 PIN Modular

Pin	Wire Color	Description
1	White	Output 3
2	Black	Ground
3	Red	Output 2
4	Green	Ground
5	Yellow	Output 1
6	Blue	+24 volts – 28 volts

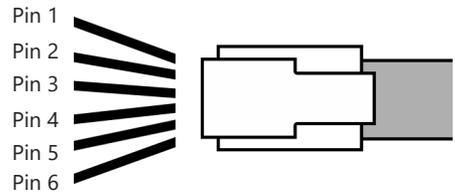


Table 2: Intensity

Intensity Level	Binary Values (Output 1, Output 2, Output 3)	Output Illuminance
0	0 0 0	0 lux, output off
1	0 0 1	8 lux
2	0 1 0	15 lux
3	0 1 1	20 lux
4	1 0 0	30 lux
5	1 0 1	40 lux
6	1 1 0	50 lux
7	1 1 1	60 lux

Note: All outputs are Active low, shunt to Ground

Note: Value 1 indicates output # is turned "On"