

# GLE-M COLOR MATCHING LUMINAIRE

Multi-Source Overhead Luminaire for Large Sample Color Evaluation



Model GLE-M5/32

For color matching and for detecting metamerism and fluorescence

#### Light Sources

- > Daylight (D50, D65 or D75)
- > Cool White Fluorescent or TL-84
- > Incandescent
- > Optional Source on GLE-M5/32 (TL83 3000K Standard)
- > Ultraviolet (BLB)

#### Ideal for

- > Printing and Packaging, Paints
- > Inks, Textiles
- > Plastics, Paper
- > Automotive, Furniture
- > Appliances

## Precise light source control

The push-button control panel provides "instant on" light source

selection and easy-to-use automatic light source sequencing. The illuminated buttons indicate the light source in use.



GTI ColorGuard II indicates the hours used and the hours remaining until relamping is needed for all sources.



## Ideal for any sample size

With the unique design of the GLE-M series, you can operate multiple overhead luminaires with a single wireless remote control. The GLE-M5/32 is used for single luminaire installation and comes with the advanced "soft-touch" digital light source control and the GTI ColorGuard II lamp timing center. Remote control and multiple unit installation are easily accommodated.

## Standard viewing conditions where you need them

The GLE-M5/32 is the key component of a large area color inspection facility using the ASTM D1729 Standard ("Standard Practice for Visual Evaluation of Color Differences of Opaque Materials"). For tight conformance to the standard, the unit should be installed 36" above the viewing surface, with surround walls painted a neutral gray equivalent to Munsell N7/.

### Single-Unit Installation

Model	Description	Dimensions (Height x Width x Depth)
> GLE-M5/32	5-Source Luminaire with GTI ColorGuard II	3.5 x 52 x 30"/9 x 132 x 76cm
> GLE-M3/32	3-Source Luminaire with GTI ColorGuard II	3.5 x 52 x 30"/9 x 132 x 76cm
> GLE-M4/32	4-Source Luminaire with GTI ColorGuard II	3.5 x 52 x 30"/9 x 132 x 76cm
> GLE-M5/40	5-Source Luminaire with GTI ColorGuard II	3.5 x 64 x 30"/9 x 163 x 76cm
> For multiple luminaire and remote control installation, see the Installation/Ordering Guide		

# INSTALLATION/ORDERING GUIDE FOR THE GLE-M SERIES

## Single-Unit Applications

The GLE-M series is available with three light sources, three sources plus UV, or four sources plus UV, as listed below. The standard unit comes complete with the “soft-touch” digital light source control and GTI ColorGuard II lamp timing center. In order to operate any GLE-M with a remote control or in a multiple-unit installation, see “Wireless Remote Control Applications” and “Multiple-Unit Applications” below.



### Standard Models (complete with 10' power cord)

Model	Description
> GLE-M5/32	Color Matching Luminaire with four light sources (D65, CWF, Incandescent, Optional*) plus UV
> GLE-M3/32	Color Matching Luminaire with three light sources (D65, CWF, Incandescent)
> GLE-M4/32	Color Matching Luminaire with three light sources (D65, CWF, Incandescent) plus UV
> GLE-M5/40	Color Matching Luminaire with four light sources (D65, CWF, Incandescent, Optional*) plus UV (for 60"/152cm)

\* TL83 3000K is supplied unless other optional source is requested

## Wireless Remote Control Applications

Remote control installations require a luminaire with a wireless remote control and receiver. The luminaire is equipped with a wireless receiver, wireless remote control and two output connectors which can be used to control additional luminaires. It also includes the GTI ColorGuard II lamp timing monitor and digital light source control. Model choices are:

### Remote Control Models

Model	Description
> GLE-M5/32/WRC	GLE-M5/32 complete with wireless remote control
> GLE-M3/32/WRC	GLE-M3/32 complete with wireless remote control
> GLE-M4/32/WRC	GLE-M4/32 complete with wireless remote control
> GLE-M5/40/WRC	GLE-M5/40 complete with wireless remote control



Included wireless remote control for 1-8 units

## Multiple-Unit Applications

Multiple luminaire installations, for large areas or color matching rooms, can be operated using the



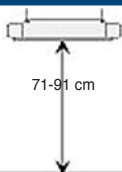
wireless remote control or any of the luminaire-mounted digital light source controls. Each wireless multiple-fixture installation requires one remote-control luminaire (any of the WRC models). For multiple installations without wireless remote control, standard models may be configured to link with /NT models by indicating “/LK” after the model number (for example, GLE-M5/32/LK).

### Multiple-Unit Models (to include with remote control models)

Model	Description
> GLE-M5/32/NT	GLE-M5/32 with no GTI ColorGuard II; includes control cable and remote inputs
> GLE-M3/32/NT	GLE-M3/32 with no GTI ColorGuard II; includes control cable and remote inputs
> GLE-M4/32/NT	GLE-M4/32 with no GTI ColorGuard II; includes control cable and remote inputs
> GLE-M5/40/NT	GLE-M5/40 with no GTI ColorGuard II; includes control cable and remote inputs

### Typical Installation

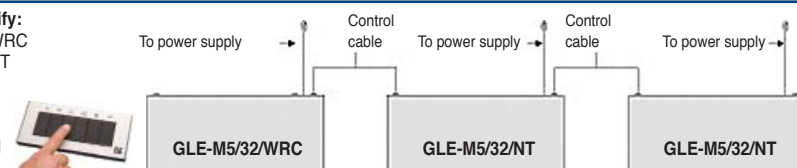
For optimal compliance with ASTM D1729, the luminaire should be installed 30-36"/71-91cm above the viewing surface.



### Example of a Three-Luminaire Installation

To order, specify:  
1 GLE-M5/32/WRC  
2 GLE-M5/32/NT

Wireless Remote Control



### Installation Suggestions:

- A GLE-M series luminaire will provide even illumination of approximately its own area (50 x 30").
- With a multiple-unit installation, a unit-to-unit spacing of 10-12" will provide sufficient coverage.
- Paint the surround walls Munsell N7/ neutral gray.
- The remote control luminaire can be installed anywhere within a multiple-unit installation (it does not have to be at one of the ends).