

GLE-M COLOR MATCHING LUMINAIRE

Overhead luminaires (model GLE-M4/32 with four light sources and GLE-M5/32 with five light sources) comply with ASTM D1729-89* for sample color evaluation, color matching and detection of metamerism

Available Light Sources

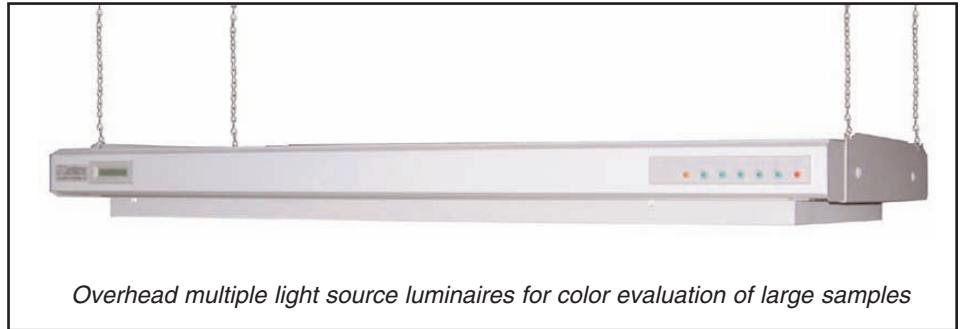
- Daylight (D50, D65 or D75)
- Cool white fluorescent or TL84
- Incandescent
- Ultraviolet (BLB)
- Additional optional source on model GLE-M5/32 (TL83 3000K is standard)

Applications

- Printing and packaging
- Paints
- Inks
- Textiles
- Plastics
- Paper
- Automotive
- Furniture
- Appliances

Ideal for Any Sample Size

With the unique design of the GLE-M series, you can operate up to eight overhead luminaires with a single remote control. Model GLE-M4/32 (or GLE-M5/32) is used for single luminaire installation and has the advanced "soft-touch" digital lamp control and the GTI® ColorGuard II® lamp timing center.



Remote control and multiple unit installations are easily accommodated (these units require special models; see below for details),



Standard Viewing Conditions Where You Need Them

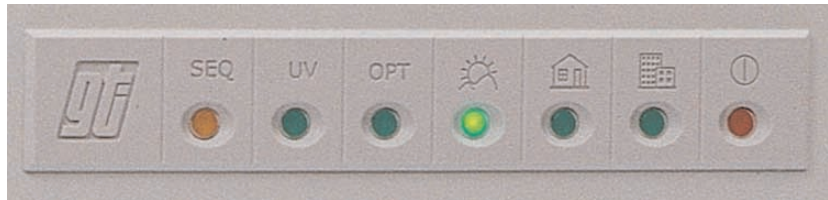
The GLE-M4 is the key component of a large area Standard color inspection facility. For tight conformance to the Standard, the unit should be installed 36"/91cm above the viewing surface, with surround walls painted a neutral grey equivalent to Munsell N7/.

GTI ColorGuard II

This device indicates the lamp hours used and the hours remaining until re-lamping is needed for all sources.

***ASTM D1729-89**

This is the "Standard Practice for Visual Evaluation of Color Differences of Opaque Materials."



Precise Light Source Control

The push-button control panel provides "instant-on" light source selection plus the easy-to-use Automatic Light Source Sequencing feature. Buttons illuminate to indicate the light source currently in use.

Model	Description	Dimensions (height x width x depth)	Electrical	Packed Weight
Single Unit Installation				
GLE-M4/32	4-Light Source with ColorGuard	3.5x52x30"/9x132x76cm	420 watts	55 Lbs./25 Kg.
GLE-M5/32	5-Light Source with ColorGuard	3.5x52x30"/9x132x76cm	420 watts	60 Lbs./27 Kg.

Multiple Unit Installation

For multiple unit and remote control applications, please see the second page of this brochure.

Installation and Ordering Guide for GLE-M Luminaires

Single Unit Applications

The standard unit comes complete with the "soft-touch" digital lamp control and the GTI ColorGuard II lamp timing monitor.

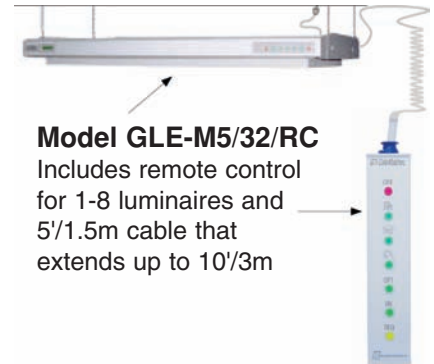


Standard Models (complete with 10'/3m power cord)

Model	Description
GLE-M4/32	Color Matching Luminaire with four light sources (D65, CWF, Incandescent, UV)
GLE-M5/32	Color Matching Luminaire with five light sources (D65, CWF, Incandescent, UV, optional light source that can be specified but, unless otherwise requested, it is TL83 3000K)

Remote Control Applications

Remote control installations require one luminaire with remote control. The luminaire is equipped with a connector to accept the remote control cable plus two output connectors which can be used to control additional luminaires. It also includes the digital lamp control and the GTI ColorGuard II lamp timing monitor:



Model GLE-M5/32/RC

Includes remote control for 1-8 luminaires and 5'/1.5m cable that extends up to 10'/3m

Remote Control Models

Model	Description
GLE-M4/32/RC	GLE-M4/32 complete with remote control (RC-M4)
GLE-M5/32/RC	GLE-M5/32 complete with remote control (RC-M5)

Multiple Unit Application (up to a total of eight)



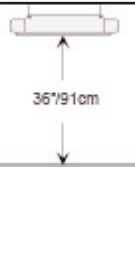
Multiple luminaire installations (for large areas or color matching rooms) can be operated using the remote control or any of the luminaire-mounted digital light source controls. Each multiple fixture installation requires one remote control luminaire (model GLE-M4/32/RC or GLE-5/32/RC) plus up to seven secondary luminaires (GLE-M4/32/NT or GLE-M5/32/NT). The secondary luminaires do not include the GTI ColorGuard II timing center and cannot be operated with a remote control.

Multiple Unit Models (for adding to a Remote Control Model)

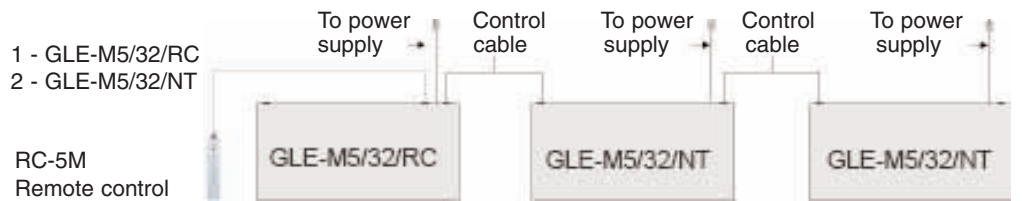
Model	Description
GLE-M4/32/NT	GLE-M4/32 with control cable and remote inputs but without GTI ColorGuard II
GLE-M5/32/NT	GLE-M5/32 with control cable and remote inputs but without GTI ColorGuard II

Typical Installation

For optimum compliance with ASTM D1729-89, luminaire should be installed 36"/91cm above the viewing surface



Example of an Installation with Three Luminaires



Installation Suggestions

- A GLE-M luminaire will provide even illumination of approximately its own area (50x30"/127x76cm).
- With a multiple unit installation, a unit-to-unit spacing of 10-12"/25-30cm will provide sufficient coverage.
- Paint the surround walls Munsell N7/ neutral grey.
- The Remote Control Luminaire can be installed anywhere within a multiple unit installation (does not need to be at an end of the series).

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