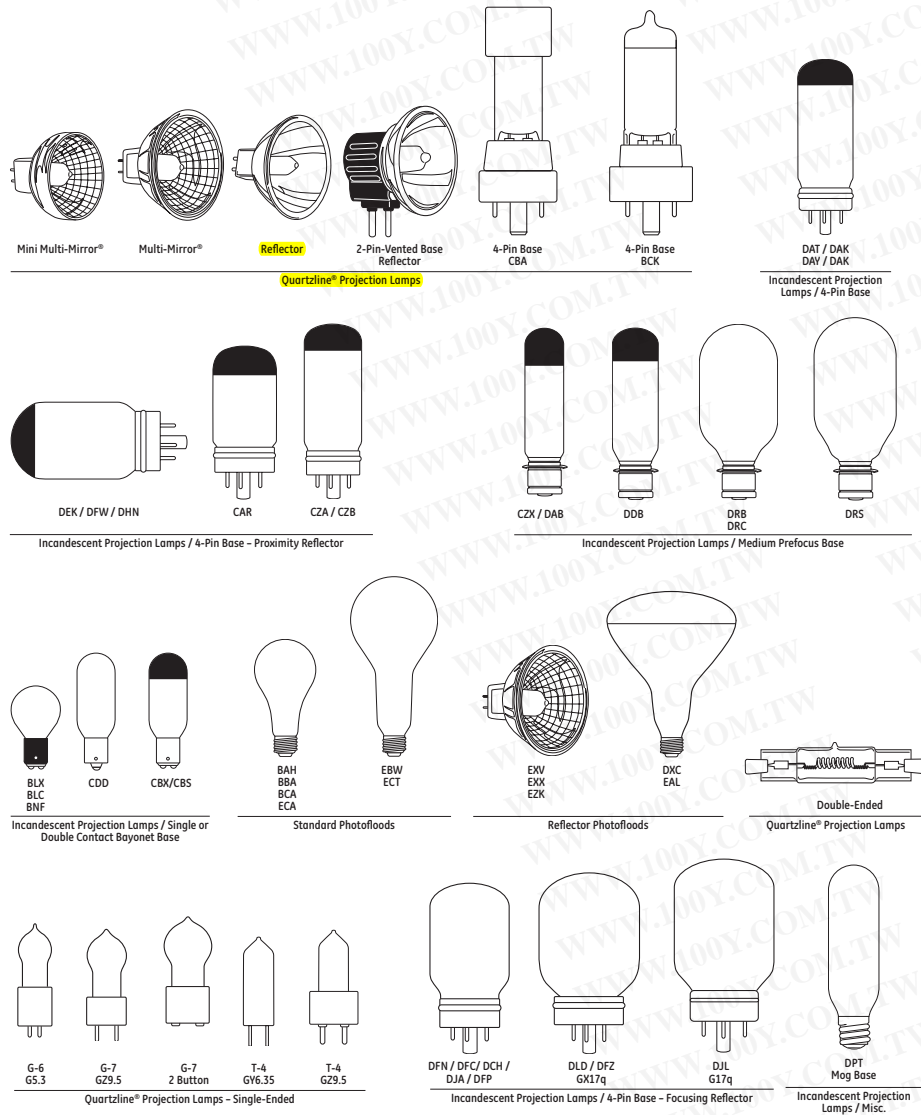


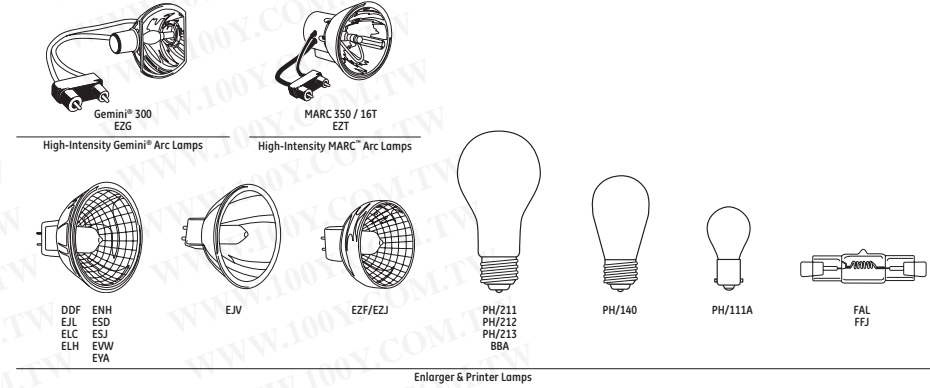
勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
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Projection Lamps

Lamp Locator

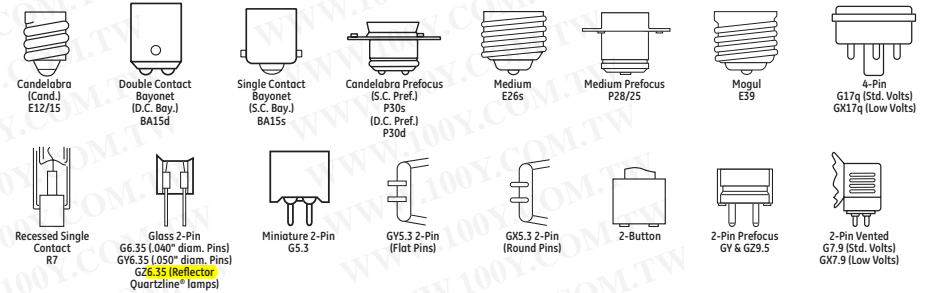


Lamp Locator (continued)



Base Identification

Typical bases used on Projection lamps in this catalog are shown below along with their names and common abbreviations. Where the base is an ANSI standard type, the ANSI reference code (which is the same as the IEC base code) is also shown. ANSI reference codes conform to American National Standard C81.10, C81.30, C81.50 specifications for electric lamp bases and lampholders. Illustrations are not to scale.



Light Center Length (LCL)

Light center length is the distance from the center of the light source to the point indicated below for the lamp base used. It is a measurement to which the lamp is designed and is subject to the manufacturer's tolerances.

Base Type	LCL Reference
All Screw Bases	Bottom base contact
Medium Prefocus	Top of base fins
S.C. or D.C. Bayonet	Top of base pins
2-Pin Prefocus	Bottom of base ceramic
Miniature 2-Pin	Bottom of base pins
Glass 2-Pin	Bottom of base pins
2-Button	Top of ceramic base to top of filament coil

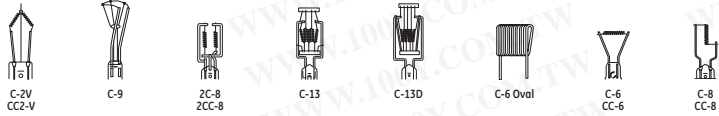
Base Type	LCL Reference
2-Pin Vented	Bottom of base ceramic to lamp optical axis
4-Pin	Bottom edge of base cup
Locking 4-Pin	Bottom edge of base cup
S.C., or D.C. Candelabra Prefocus	Plane of locating bosses on prefocus collar

## Projection Lamps

### Filament Identification

The configuration of the filament in all tungsten filament lamps (including Quartzline®) is identified by a prefix letter and a suffix number. The prefix letter indicates whether the filament wire is a

single coil (C) or a coiled coil (CC). The suffix number indicates the form or arrangement of the filament coil or coils on its support structure. Illustrations are not to scale.



### Introduction

General Electric Projection Lamps are designed for a wide variety of applications...and now extending well beyond the original picture-taking and audio-visual projection uses into such fields as: fiber optical systems, graphic arts, video camera lights, airport runway markers, micrographics, photo printers and enlargers, medical/scientific instruments and many others.

The information contained in this section is designed to provide end-users, equipment manufacturers and lamp distributors and dealers with:

- Essential technical data on GE Projection Lamps (Quartzline®, Incandescent, MARC™ and Photoflood)
- Suggested substitutes for improved performance or discontinued lamps

The majority of Projection Lamps described herein are characterized by:

- Precisely manufactured, tailored filaments maximizing source brightness, optimum performance in precision optical devices

- High light-generating efficacy (lumens per watt)...to help minimize power requirements and heat generation
- Prefocus type bases, or rim-reference mounting for Multi-Mirror® lamps...to position the filament accurately in relation to the associated optics
- Design life Rated Life (per ANSI Standard)
- Lamps with internal or external reflectors (as in Multi-Mirror® and some 4-pin projection lamps) permitting high-efficiency illumination system designs with a minimum of additional optical control elements

Manufacturers and designers of equipment requiring lamps should select lamps of established design whenever possible for maximum economy, as well as for ease of replacement by their customers through regular trade channels. General Electric offers application engineering assistance to all customers for applying lamps in product design. Contact your local GE Lamp Representative for additional information or assistance.

### Warning and Caution Notices Information

As with any product, certain precautions should be observed in the handling and use of GE Projection Lamps to provide optimum

performance and safety. These are given in the Caution Notices that are printed on page 10-12.

### Important Notice

This catalog contains accumulated data to March 2008. Additional information is constantly being uncovered through research and testing, which may modify the data given herein. This is particularly true of newer lamps. For the latest lamp design data and information, contact your General Electric Lamp Representative.

The data and suggested applications contained in this catalog, as well as any additional information our representative may be able to furnish, are for general information only and are not intended and should not be taken as representations or warranties as to the suitability of a lamp for any particular application or use in any particular equipment, nor are our representatives authorized to make any such representations or give any such warranties.

Applications and conditions of use are many and varied, and beyond our control. We cannot possibly have the same degree of knowledge that the purchaser has with respect to the design of his equipment and the conditions of its use. Therefore, it is up to the purchaser to make his own determination as to the suitability of a lamp for his intended application or use and to assume the responsibility for that determination.

General Electric desires to supply the best possible products at all times. For this reason, General Electric reserves the right to make changes in its products when it believes such changes will improve its products.

### General Information

General Electric Projection Lamps are briefly described in the ANSI lamp index (pages 10-6–10-7). More extensive descriptive and performance data are found in the lamp tables, which are organized as “families” of lamps with one or more features in common – such

as Multi-Mirror® Quartzline®, Single-Ended Quartzline®, 4-Pin Based Incandescent, Photoflood, etc. Within each table, lamps are listed alphabetically by GE Lamp Code.

### GE Multi-Mirror® Quartzline® Projection Lamps

Invented By GE For Optimized Projection System Performance, the Multi-Mirror® and its new companion, the Mini Multi-Mirror®, are reflector halogen Quartzline® lamps with innovative GE features that

result in better system efficiency, screen uniformity, lamp-to-lamp consistency and relamping convenience.

Feature	Benefit	Applications
<ul style="list-style-type: none"> <li>• Dichroic reflector</li> </ul>	<ul style="list-style-type: none"> <li>• Cool light beam</li> <li>• Efficient light reflection</li> </ul>	<ul style="list-style-type: none"> <li>• Slide Projection</li> <li>• Front/Rear Screen Projection</li> </ul>
<ul style="list-style-type: none"> <li>• Precise rim reference</li> <li>• Accurate snap-in alignment</li> </ul>	<ul style="list-style-type: none"> <li>• Quick lamp installation</li> </ul>	<ul style="list-style-type: none"> <li>• Microfilm</li> </ul>
<ul style="list-style-type: none"> <li>• Faceted reflector</li> </ul>	<ul style="list-style-type: none"> <li>• Efficient beam for brighter image</li> <li>• Uniform screen image</li> <li>• Precision beam control</li> </ul>	<ul style="list-style-type: none"> <li>• Overhead Projection</li> <li>• 16mm Movie</li> <li>• 8mm Movie</li> <li>• Film Strip</li> </ul>
<ul style="list-style-type: none"> <li>• Halogen Quartzline® lamp</li> </ul>	<ul style="list-style-type: none"> <li>• Whiter and brighter light</li> <li>• No bulb blackening/blistering</li> <li>• Constant light output through life</li> <li>• Stable color temperature</li> </ul>	<ul style="list-style-type: none"> <li>• Enlargers/Printers</li> <li>• Fiber Optics</li> <li>• Medical/Scientific Instruments</li> <li>• Video Camera Lights</li> <li>• Airport Runways</li> <li>• Display</li> </ul>

Each GE Multi-Mirror® lamp type is optically tailored to its application. First, the appropriate type of multi-faceted reflector is determined. Then a filament tube developed, using advanced

Quartzline® technology. Finally, the two are combined, using sophisticated, computerized precision-assembly techniques. The result – consistently high performance...lamp after lamp after lamp.

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Incandescent  
Halogen  
High Intensity Discharge  
Fluorescent  
Compact Fluorescent  
Ballast  
LED Lamps and Systems  
Stage and Studio  
Miniature and Sealed Beam  
Projection





