

Lighting

Order code	Manufacturer code	Description
23-1900	DLM70	35W WIDE OPEN FACE LAMP
23-1905	DLM50	50W MEDIUM OPEN FACE LAMP
23-1910	DLM58	50W WIDE OPEN FACE LAMP
23-1940	DLM81E	35W WIDE ENCLOSED LAMP
23-1945	DLM50E	50W MEDIUM ENCLOSED LAMP
23-1950	DLM58E	50W WIDE ENCLOSED LAMP

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The enclosed information is believed to be correct, Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 04/07/2003

Dichroic Low Voltage Lamps

General

These low voltage halogen lamps with cool white light and dichroic reflector have made a significant advancement in lighting technology and development. The tungsten halogen lamps operate on a 12 volt ac supply and are available in several beam angles, which are suited to a wide range of applications. These include spot and floodlighting applications.

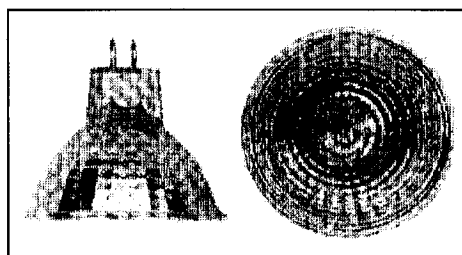
The heat produced by the lamps is dispersed by means of the dichroic reflector in the opposite direction to the light beams, resulting in extremely low infrared emission.

The dichroic lamps which include a glass cover give the additional benefit of effectively reducing UV-C radiation and greatly reducing UV-B radiation.

The glass cover also provides the extra benefits of protecting the reflector and filament from pollutants and finger prints.

Features

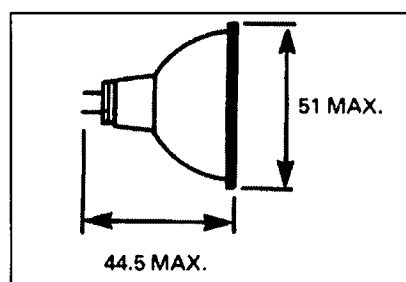
- Available in 35 and 50 Watt types
- Compact size
- Low direct heat dissipation
- Various beam angles
- Low energy consumption
- Uncovered or glass covered versions



The dichroic lamp forms the basis of almost all low voltage lighting applications. The compact lamps have a low energy requirement, typically the light intensity of a 50 Watt dichroic lamp is similar to that of a 150W PAR lamp, but has the overall advantages of low heat dissipation and a better colour correlation of typically 3100K

Technical Specification

Operating Voltage : 12V
 Average Life Expectancy : 4000 hours
 Lamp Cap (base) : GU5.3
 Dimensions : 51mm dia. x 45mm



Ring Model No.	Description	ANSI	Beam Angle	Illumination (lux)			
				1m	2m	3m	4m
DLM70	12V 35W MR-16 Open	FRA	20°	3700	925	411	231
DLM50	12V 50W MR-16 Open	EXZ	24°	3000	750	330	187
DLM58	12V 50W MR-16 Open	EXN	38°	1500	375	167	93
DLM81E	12V 35W MR-16 Closed	FMW+C	40°	1050	262	116	65
DLM50E	12V 50W MR-16 Closed	EXZ+C	24°	3000	750	330	187
DLM58E	12V 50W MR-16 Closed	EXN+C	38°	1500	375	167	93