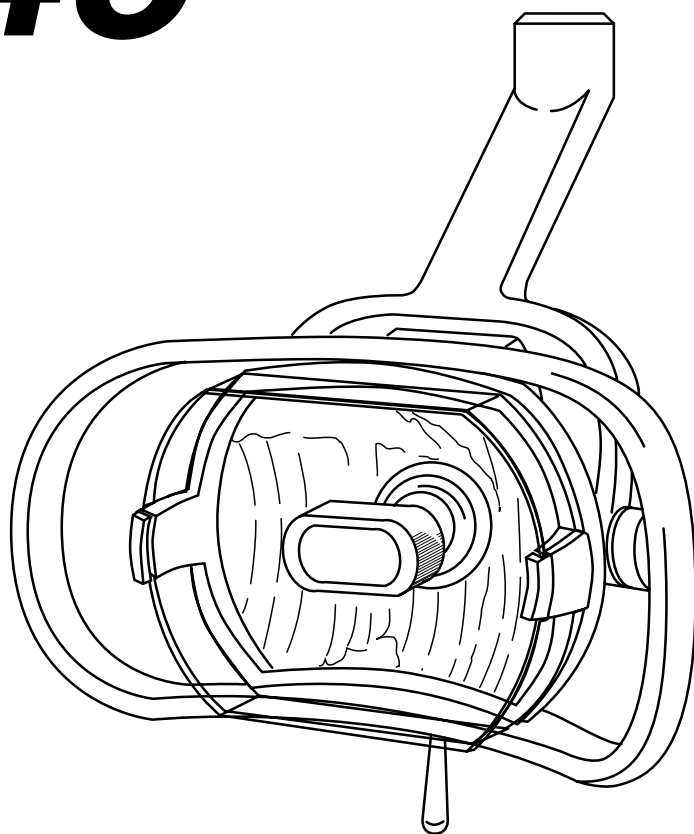


# ***DENTAL OPERATING LIGHT***

# ***048***



**Operating  
Instructions**



** Belmont**

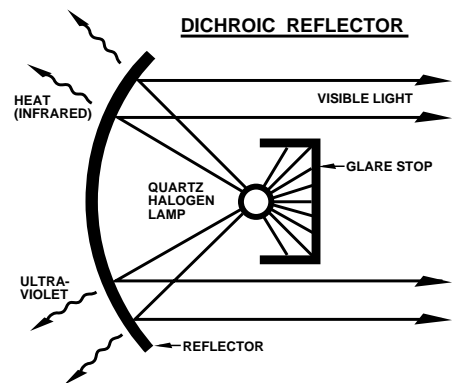
The **Belmont** lights incorporate the latest advances in dental lighting technology. The light is color matched to natural daylight, is easily cleaned, has a dual intensity on-off control and smooth easy positioning.

**[1] SPECIFICATIONS**

Rated Voltage ..... AC 220/230/240V  
 Output Voltage ..... 12V High, 10.5V Low  
 Power Output ..... 55W High, 42W Low  
 Bulb Type ..... Tungsten Halogen  
                                     Type JA 12V-55W  
 Focal Distance ..... 725mm

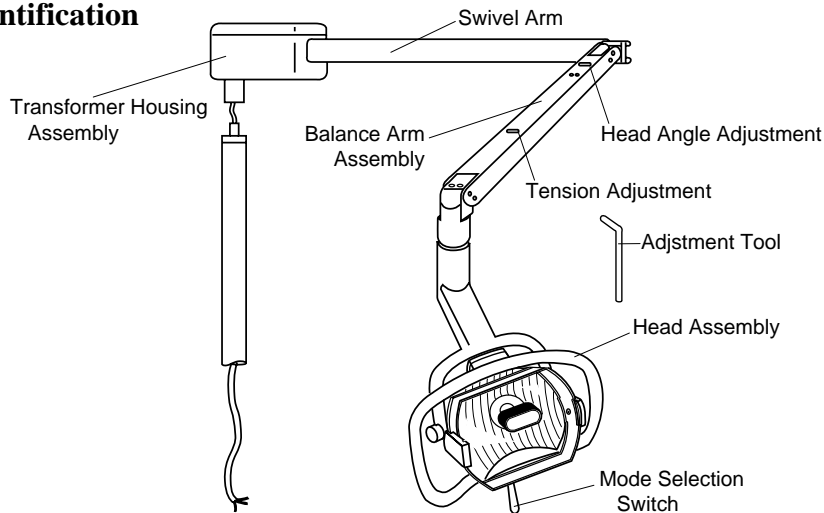
Light Output ..... 28,000 Lux High  
                                     18,000 Lux Low  
 Color Temperature ..... 3,700 Kelvin High  
                                     3,600 Kelvin Low  
 Light Pattern ..... 200 x 80 at 725mm

The Dichroic Reflector allows heat (infrared) and ultraviolet to pass harmlessly through the back of the lamp housing. Only white light is focused on the patient for reduced eyestrain and comfort.



**[2] OPERATING INSTRUCTIONS**

**2-1. Major Parts Identification**



**[3] OPERATING INSTRUCTIONS**

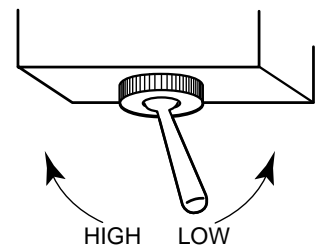
**3-1. Dual Intensity ON/OFF Switch**

1. High Beam; push toggle to left
2. Low beam; push toggle to right

Switch is conveniently located in light head enabling intensity to be changed from seated position.

Low intensity - for longer bulb life and examining facial surfaces.

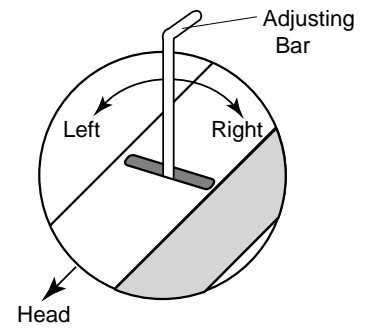
High intensity - for color matching and examining lingual surfaces.



## [4] ADJUSTMENT COMPONENTS

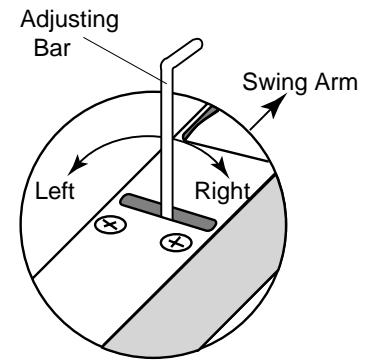
### 4-1. Balance Arm Adjustment. (Should drifting occur)

**IMPORTANT;** Use slot closest to head when making adjustment for drifting of balance arm. Insert adjusting bar into slot on top of balance arm, turn spring adjustment nut clockwise for more tension; counterclockwise for less tension.

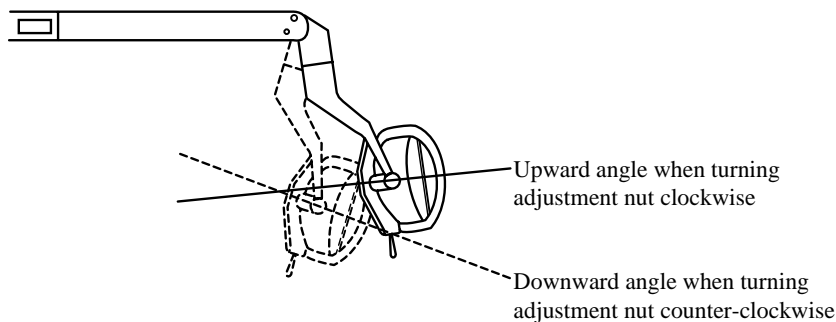


### 4-2. Head Angle Adjustment.

**IMPORTANT;** Use slot closest to swing arm (H-shaped casting bracket) when adjusting angle of head. Insert adjusting bar into slot on top of balance arm, turn head angle adjustment nut clockwise for downward angle; counterclockwise for upward angle.



\*Adjusting bar is supplied in envelope with allen wrenches.



## [5] Halogen Bulb Changing

### 5-1. Halogen Bulb Changing

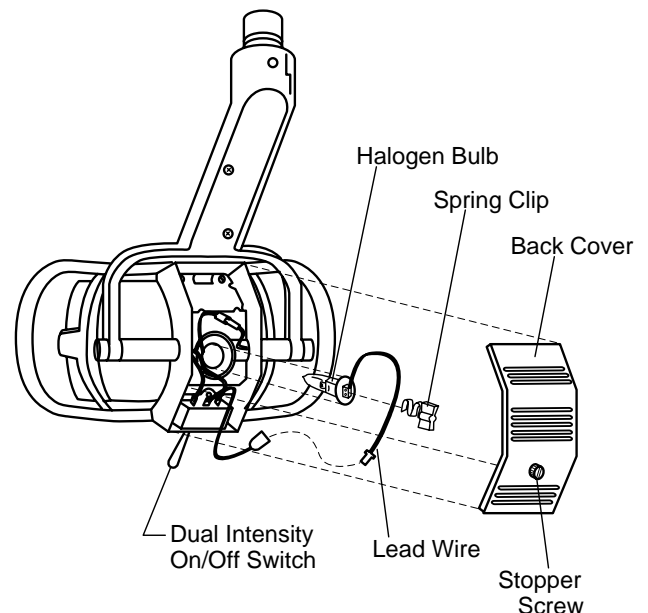
#### **CAUTION;**



Halogen bulb and surrounding parts may be hot immediately after the lamp goes off. Wait until they get cool down.

**IMPORTANT;** Do not touch glass with bare hand. Halogen bulb surface must be clean. Oil or body moisture will affect bulb span of life. If glass surface is touched, clean with alcohol.

1. To install replacement halogen bulb, turn light off and remove back cover, by loosening stopper screw.
2. Push in spring clip and turn it counterclockwise to remove spring clip.
3. Pull off halogen bulb from lamp socket. Disconnect lead wire when bulb is completely removed.
4. Replace new Halogen bulb into the lamp socket, and connect lead wire.
5. After new bulb is seated in housing, insert and lock spring clip into position.
6. Reattach back cover.



## [6] Maintenance Information

### 6-1. Cleaning

Use soft cloth or cotton only. Clean both sides of lens. Inside surface of reflector can be cleaned with a soft damp or dry cloth. Back side of the reflector should be wiped gently with a soft cloth. Extreme care should be taken not to scratch surface or mar appearance of painted surfaces. Exterior cleaning is all that should be necessary until after many months of use.

### 6-2. Lubrication

A drop of oil once a year at each pivot point will provide ample lubrication.

**DECLARATION OF CONFORMITY**

**CE CONFORMITY**

We hereby declare that the product listed below complies with the essential requirements of the Medical Device Directive, 93/42/EEC.  
The product has been designed and manufactured in accordance with the international standards IEC 601-1:1988 including A1:91 and A2:95 and IEC601-1-2 : 1993.

**QUENTIAL LIGHT (CLASS I)**

048

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Date: 15 JUNE, 1998 .

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