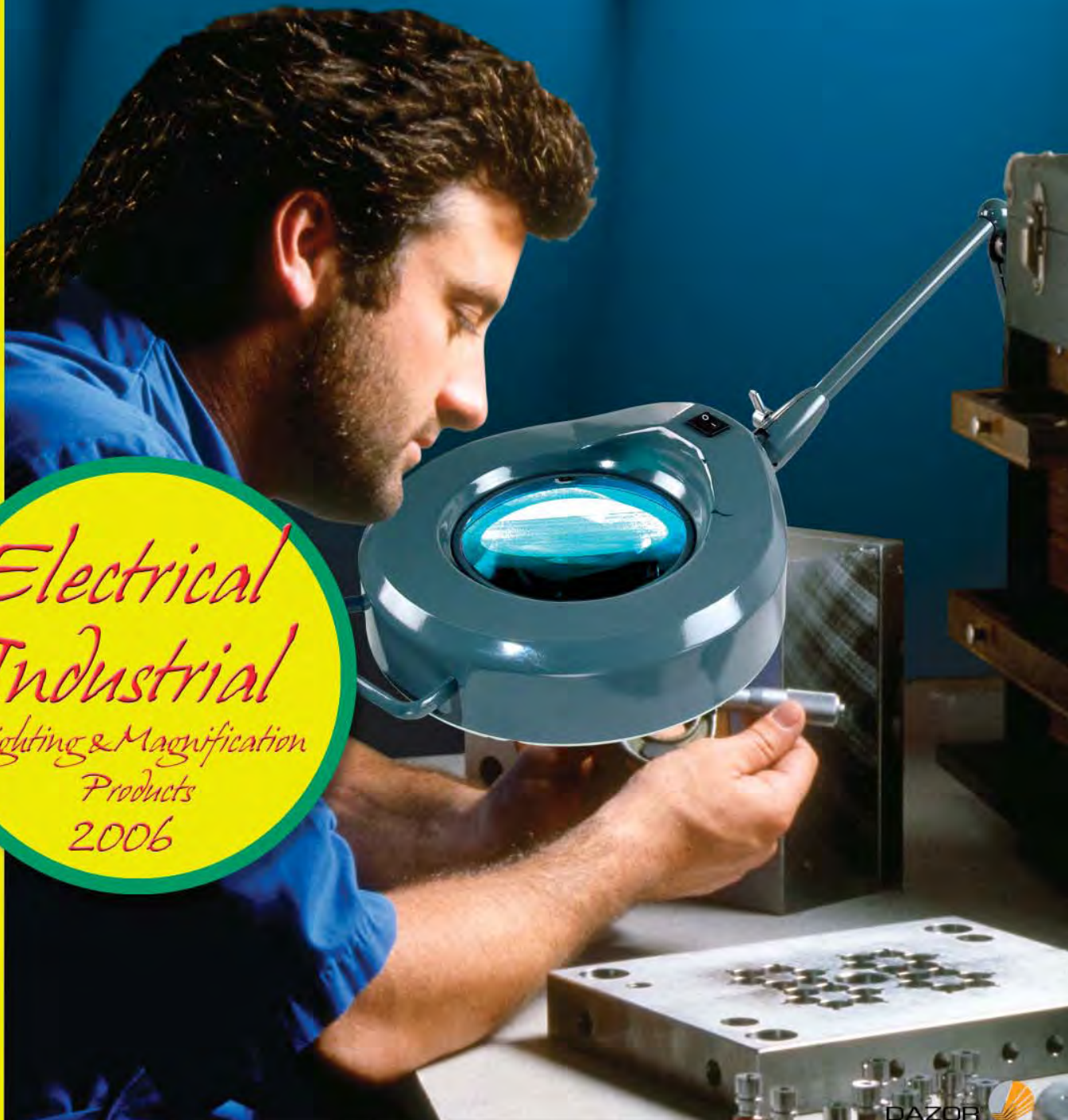




# DAZOR®

Market Segment



*Electrical  
Industrial  
Lighting & Magnification  
Products  
2006*





Developed by Duro-Test Labs decades ago, **Full-Spectrum Lighting** is desirable where seeing “correct” color is important. More importantly, from a health standpoint, **Full-Spectrum Lighting** is prescribed by some health professionals to treat Seasonal Affective Disorder (SAD). “It’s like bringing summer back in the middle of winter,” one SAD sufferer said.

Many of Dazor’s fluorescent lights can be converted to **Full-Spectrum** simply by purchasing the appropriate bulb. Throughout this booklet, we will list the **Full-Spectrum bulb** part number, if any, that fits each Dazor lamp.

LOOK FOR THESE **Full-Spectrum** ICONS...



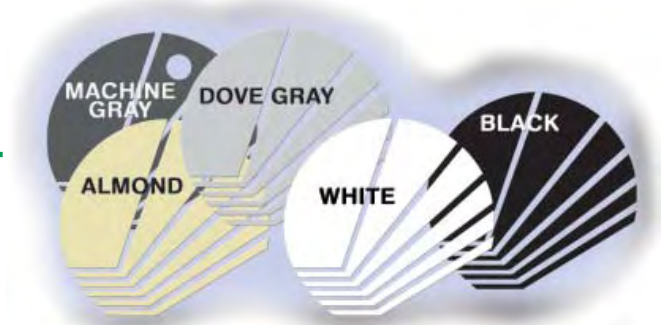
## We’d Like You To Know...

1. All Dazor manufactured fixtures are Made in Saint Louis, Missouri, U.S.A.
2. Dazor is the only manufacturer of lighting products in the world that makes a 3-tube, 15-watt fluorescent lamp. The 2- and 3-tube fixtures are our best selling Dazor products, with many of these sales going to overseas markets. For anyone who recognizes quality construction, Dazor is the right choice.
3. Our Floating Arm incandescents and Adjustable Arm (machine) models are industrial grade, heavy construction

task lights that will be working for decades; even under the heavy demands of industry. Recommend these lights to your customers with confidence.

4. The 8MC is now available to the medical field, or any industry that needs to see under UV light, as a hands-free WOODS LIGHT. Order it with the black light FC8T9/BLB tube.
5. New to the U.S. market are our high lumen 28-watt fluorescent lamps. You’ll find these high output lamps in the DAZ SERIES section.

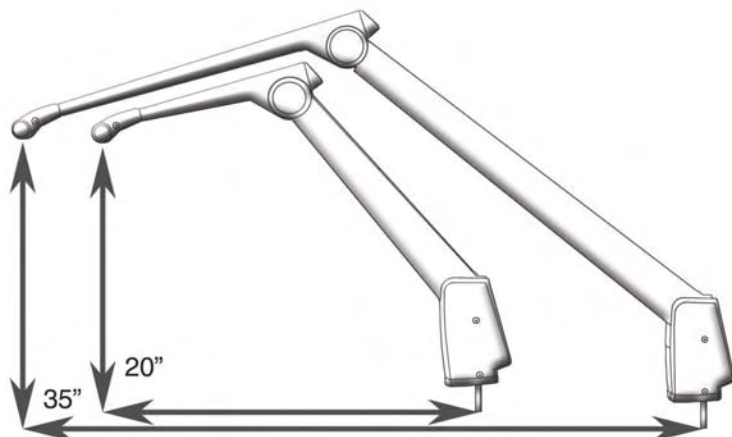
**AVAILABLE COLORS...**Most Dazor fixtures are available in Black, White, Dove Gray or Almond. Many fixtures, especially our “Machine Arm” and other industrial fixtures, are available in Machine Gray.



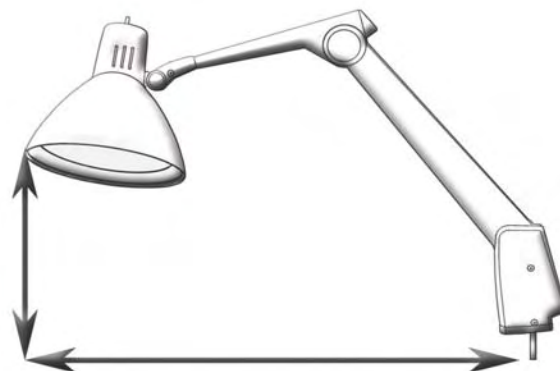
## Dazor’s Two Standard Arm Lengths

Arm length is measured from IV-Pivot point to Lamp Head Pivot point. Reach, the measurement we give you in this document, is measured from IV-Pivot point to front edge of the lamp head.

ARM LENGTH



REACH







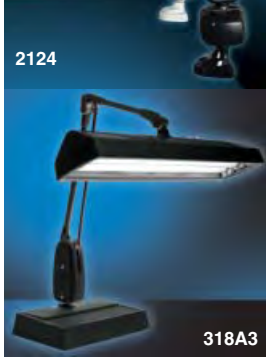
3-15 WATT



2324



2124



318A3



8CB-400



22-Watt UV Circline & 15-Watt Screw-in Fluor.



## TRADITIONAL 2-TUBE AND 3-TUBE FLUORESCENTS

### Dazor Two and Three Tube Fluorescent Lamps: the first choice for industrial lighting since 1938!

The Traditional series uses *two 15-watt fluorescents* to provide abundant light over a large work area. The Dazor Floating Arm is easily positioned with a touch of the finger and its rugged construction has no exposed wires or springs. 3-conductor cord. Daylight tubes included.

IV-pivot models (like the 2224A shown at left, and 2234A) are for use with floor stands which must be ordered separately.

Unique models with *three 15-watt fluorescents* provide extra light output for demanding visual tasks. Daylight tubes included.

Available colors: Black, White, Almond, Dove Gray.



2224A/1050

Model #	Reach	Mount
2124	33	CLAMP
2134	43	CLAMP
2224A	33	IV-PIVOT
2234A	43	IV-PIVOT
2324	33	DESK

570-B 2 Tube Shield sold separately

Where the possibility exists that the bulb/tube could be broken under normal use, the Dazor Lamp Shield will help prevent that breakage.

124A3	29	CLAMP
134A3	43	CLAMP
318A3	27	DESK



F15T8/FSB (optional full-spectrum bulb)

F15T8/BLB (optional UV Black Light bulb)

## COMBINATION TASK LIGHTING (8CB-series)

### Combine Two Colors of Light: Mix Incandescent and Fluorescent or All Fluorescent

Combo fixtures combine two colors of light to achieve optimal color balance for accurate color perception. 8CB series comes with 15-watt screw-in fluorescent and 22-watt cool white circline. For cooler operation and longer life, remove the incandescent and install a 15-watt screw-in fluorescent. The screw-in fluorescent provides "incandescent color" to blend with the 22-watt cool white circline.

*Two light switches* allow separate operation of each bulb. Convenient handle on head for easy positioning.

3-conductor cord.

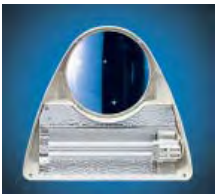
Available colors: Black, White, Almond, Dove Gray.



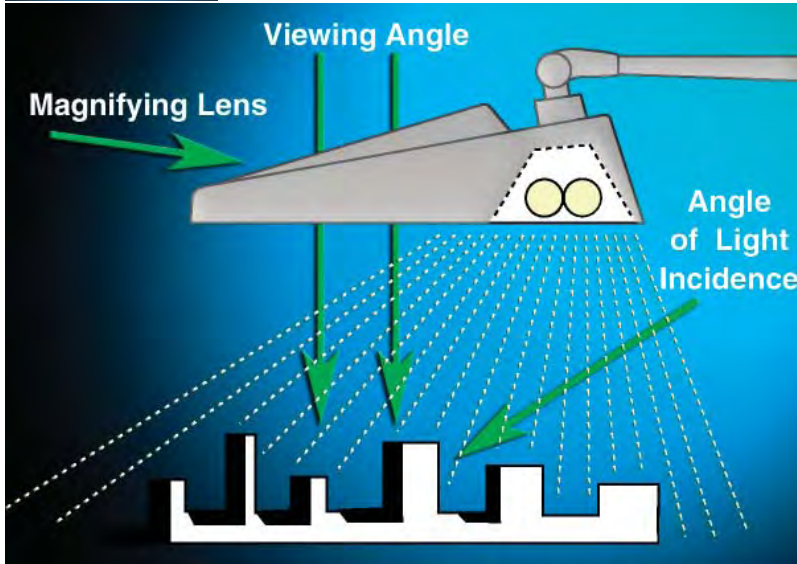
8CB-500

Model #	Reach	Mount
8CB-400	26	DESK
8CB-450	26	CLAMP
8CB-500	40	CLAMP

## HI-LIGHTING MAGNIFIERS (8MG-series)



**The Importance of Hi-Light Viewing:** For many inspection tasks, the ability to hi-light an object is absolutely essential. The 13-watt fluorescent is located behind the magnifying lens and casts light at an angle ideal for hi-lighting object details. This shadowing effect makes details of uneven surfaces "pop-out" to the viewer. The shadows help define variations in surface depth and emphasize irregularities.



Light source is a 13-watt compact fluorescent (included) located behind the magnifying lens. The angle of light incidence highlights details. The 5-inch diameter crown-optical glass lens is available in 3-diopter (+75% magnification, Focal Length 13") and 5-diopter (+125%, FL 8"). Another option is an 11-diopter (+275%, FL 3.75") lens system with a 3-inch viewing area. IV-pivot models for use with floor stands which can be ordered separately.

For optional factory installed 5-diopter lens add "-5" suffix to model number, e.g., 8MG-450-5.

Optional "Add-A-Lens" for 11-diopter viewing system

Available colors: Black, White, Almond, Dove Gray  
ESD Safe available in Dove Gray only.

Model #	Reach	Mount
8MG-400	26	DESK
8MG-450	26	CLAMP
8MG-500	40	CLAMP
8MG-600	40	IV-PIVOT
8MG-600/1050		IV-PIVOT and Optional STAND

8SD-100 polycarbonate shield  
Where the possibility exists that the bulb/tube could be broken under normal use, the Dazor Lamp Shield will help prevent that breakage.

1400 ADD-A-LENS



13W-51-FSB (optional full-spectrum bulb)





# W I D E -VIEW RECTANGULAR MAGNIFIERS



8MR-100



8MR-200



8MR-300/1050



8MR-150



## LENS SYSTEMS

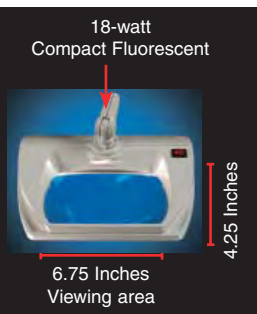
3-diopter lens is standard on all magnifiers. To substitute a factory installed 5-diopter lens, add "-5" suffix to model number; e.g., 8MR-150-5. To order lenses separately refer to these item numbers:

3-diopter 8MR900-03

5-diopter 8MR900-05

11-diopter 8MR900-011

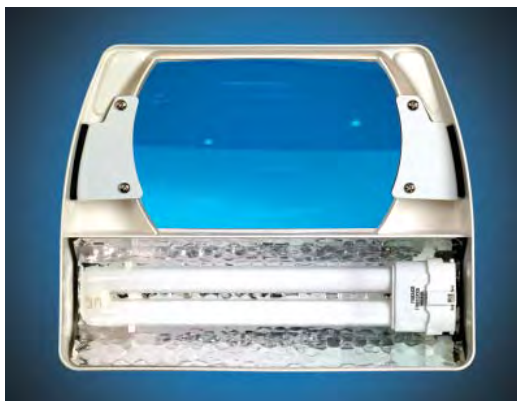
16-diopter 8MR900-016



5d LENS SYSTEM  
5" BY 3" VIEWING AREA



11d and 16d LENS SYSTEMS  
3" Diameter VIEWING AREA



All STRETCH-VIEW lenses are made of crystal-clear, crown-optical glass. The rectangular shaped magnifying lens "stretches" the 5-inch circular viewing area to 6.75 inches. This wider viewing area under the lens allows for comfortable vision with both eyes and also reduces eyestrain and fatigue. Visual scanning speed is increased because more surface area is magnified. The 3-diopter lens measures 6.75 by 4.25 inches.

With proper illumination levels, magnification requirements are significantly reduced. Dazor uses a powerful 18-watt compact fluorescent light source (included) to produce 130 footcandles at 15-inches above the work surface.

Exact positioning of the light source behind the lens allows for a choice between even, **shadow-free illumination** or a **hi-lighting** effect. Shadow-free viewing is achieved by holding the object directly under the light source. A **hi-lighting** effect is produced when the object is moved slightly away from the center of the light source.

Equipped with 3-conductor cord.

IV-pivot models (like the 8MR300 shown at left) are for use with floor stands which must be ordered separately.

Optional polycarbonate plastic shield to cover compact fluorescent tube.

Available colors: Black, White, Almond, Dove Gray

## ESD-SAFE STRETCH-VIEW

The STRETCH-VIEW is available in an ESD-safe version that is *ideal for the inspection of electronic parts and circuit boards*. The extra wide lens allows for viewing a larger area of a circuit board. It is the perfect solution for workstations that need to be free from electrostatic discharge (ESD).

Available color: Dove Gray.

Model #	Reach	Mount
8MR-100	26	DESK
8MR-150	26	CLAMP
8MR-200	40	CLAMP
8MR-300	40	IV-PIVOT

Order 3050R or 1050 Stands with IV-Pivot models.

### ESD SAFE

8MR-100-ES	26	DESK
8MR-150-ES	26	CLAMP
8MR-200-ES	40	CLAMP



### 8SD900-1 protective shield

Where the possibility exists that the bulb/tube could be broken under normal use, the Dazor Lamp Shield will help prevent that breakage.



PL18W-FSB(optional full-spectrum bulb)

## CIRCLINE MAGNIFIERS (8MC-Series)

**Through the Lens Viewing:** Both hands are free to grasp an object and work on it. Whether you are using tools or holding a newspaper, hands-free viewing is easier. Your hands control the amount of light and magnification you require by adjusting distances between the object, the magnifying lens and your eyes.



8MC-100



8MC-200



8MC-300



8MC-300/3050R

Unlike the hi-lighting magnifiers in the last section, Circline Magnifiers de-emphasize irregular or uneven surfaces by *uniformly illuminating uneven surfaces*. This is accomplished with the circular, 22-watt lighting source that sheds even, shadow-free light.

The 5-inch diameter crown-optical glass lens is available in 3-diopter (+75% magnification, Focal Length 13") and 5-diopter (+125%, FL 8"). Another option is an 11-diopter (+275%, FL 3.75") lens system with a 3-inch viewing area. 3-conductor cord.

Optional "Add-A-Lens" for 11-diopter viewing system (used with standard 3-diopter lens).

Polycarbonate plastic shield to cover circline fluorescent tube ships *standard* with each unit. Also sold separately.

Available colors: Black, White, Almond, Dove Gray

8MC-200-4X Illuminated Magnifier, designed to meet the 4-power requirements of government standard MIL-STD-2000 for precise inspection. Crown-optical glass 16-diopter lens system has 3-inch viewing area. Adjustable clamp-on base, 3-conductor cord. 22-watt circline tube included.

Available color: Black.

Model #	Reach	Mount
8MC-100	28	DESK
8MC-150	26	CLAMP
8MC-200	42	CLAMP
8MC-300	42	IV-PIVOT
8MC-200-4X	42	CLAMP

IV-pivot models (like the 8MC-300) are for use with floor stands which must be ordered separately.

1400A ADD-A-LENS

Order magnifier model, plus 1400A

ADD-A-LENS, e.g., 8MC-100 and 1400A.

FC8T9/FSB(optional full-spectrum bulb)

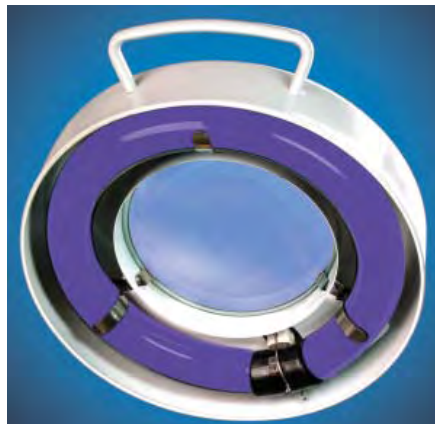


FC8T9/BLB (optional UV Black Light bulb)

8MC-Polycarbonate Shield comes with each unit



8MC-150





Dazor incandescents are approved for 100-watt bulbs, but 60-watt recommended for cooler operation and longer life.

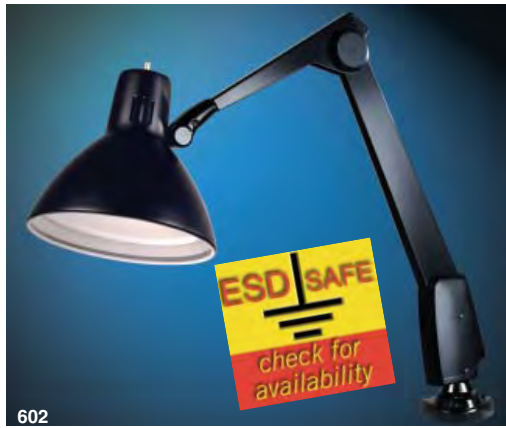
## FLOATING ARM INCANDESCENT MODELS



Incandescent Reflector



603



602

The 600 series lamps have a WIDE-BEAM reflector that provides abundant light for a variety of industrial tasks. The *powder coat paint* finish resists cracks, scuffs, and fading to keep the product looking good for years. The double wall, air-cooled reflector ventilates heat from the bulb and remains comfortable to the touch.

Available colors: Black, White, Almond, Dove Gray.

Model #	Reach	Mount
602	31	CLAMP
603	41	CLAMP
604A	31	IV-PIVOT <i>not ESD safe</i>
605A	41	IV-PIVOT <i>not ESD safe</i>

IV-pivot models for use with floor stands ordered separately.

## FLEXIBLE ARM INCANDESCENT MODELS



1069-DM



1075



1069

The 1069 is an incandescent desk model on a trim, circular, weighted base. The WIDE-BEAM reflector has an air-cooled ventilating chamber to keep it comfortable to touch after long hours of use. The *powder coat paint* finish resists cracks, scuffs, and fading to keep the product looking good for years.

Model 1069-DM has a dimmer switch in the weighted desk base to control the light output of the incandescent bulb.

Above available colors: Black, White, Almond, Dove Gray

Model 1075 WIDE-BEAM reflector has our industrial L-Bracket clamp on the Dazor flexible arm.

Available colors: Black, White, Almond, Dove Gray, Machine Gray

Model #	Reach	Mount
1069	26	DESK
1069-DM	26	DESK
1075	26	CLAMP

## vibration reducing ADJUSTABLE ARM (MACHINE) MODELS

Rugged industrial construction for heavy duty use. The double arm design has two steel ball joints and a swivel joint to provide an almost unlimited number of positions. Three separate tension control knobs tighten the arm in position to reduce vibration. L-shaped bracket for mounting on top or side of machine, bench, or wall. Supplied with 9 ft. SJTO 3-conductor cord.

Color for units below: Machine Gray



1100



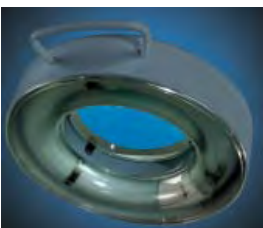
1420R

The WIDE-BEAM REFLECTOR 1100 and 1101 with machine arm same description as above.

1420R "Iron Man" Machine Arm ILLUMINATED CIRCLINE MAGNIFIER with 3-diopter, 5" crown-optical glass lens for precise detail work or inspection. 5-diopter lens is available as an option (Model 1420R-5) for +125% magnification. The Add-A-Lens option (sold separately) provides an 11-diopter (+275%) lens system with a 3-inch viewing area.

Polycarbonate plastic shield standard with each unit. Also sold separately.

Model #	Reach	Mount
1100	39	CLAMP
1101	28	CLAMP
1420R	28	CLAMP
1420R-5	28	CLAMP



1420R Shield Included

## HALOGEN 20-WATT

20-watt halogen (bulb #6000-10) in a 2.5" diameter reflector head produces a more concentrated beam of light than incandescents, and its color is closer to natural daylight. Bulb is included.



6324



6930



6004A



6950

Model 6004A has a flexible gooseneck arm with a durable plastic covering for easy cleaning.

Models 6124, 6134, 6224A, 6234A, and 6324 have the Dazor Floating Arm. 3-conductor cord is standard; hospital grade NEMA plug is available as an option. (Extra Charges Apply.)

Models 6330, and 6930 have flexible gooseneck arms.

Model 6950 has a magnetic base that holds 100 lbs. of straight pull on 1-inch steel.

IV-pivot models (like the 6224A and 6234A) mount on Dazor Floor stands sold separately.

Available colors: **Black or White.**

Model #	Reach	Mount
6004A	34	Flex IV-PIVOT
6124	28	Classic Arm CLAMP
6134	38	Classic Arm CLAMP
6224A	28	Classic Arm IV-PIVOT
6234A	38	Classic Arm IV-PIVOT
6324	28	Classic Arm DESK
6330	34	Flex DESK
6930	34	Flex CLAMP
6950	31	Flex MAGNET

## HALOGEN 50-WATT

The 50-watt halogen produces a concentrated, superior light beam with an MR16 type bulb (included). The 4.75-inch water resistant head resists cutting oils and coolants. Ventilating chamber greatly reduces heat on the outer casing. Swivel joint at the head permits multi-angle positioning.



8HG-300



1150H-MN



1150HD & 1150H

Model 1150H has an adjustable-arm for heavy duty use. Vibration resistant, the double arm design has two steel ball joints and a swivel joint to provide an unlimited number of positions. Three tension control knobs tighten the arm in position. L-shaped clamp can be screwed directly to the top or side of a machine, bench, or wall.

Model 1150HD is a screw-down mount unit with compact size for use in space restricted areas. The lamp head has a swivel joint that rotates in 3 planes for an infinite variety of positions.

Model 1150H-MN has a magnetic base.

Model 1150H-B-DM-BK has a weighted desk base and dimmer switch. This lamp is designed for intense, concentrated light on the desktop.

Models 6750, 6850 and 6855 have a flexible gooseneck arm.

Models 1150H-B-DM-BK, 8HG-200 and 8HG-300 are mounted on the Dazor Counterbalanced Floating Arm.

Color: **Black.**

Model #	Reach	Mount
1150H	35	Machine Arm CLAMP
1151H	24	Machine Arm CLAMP
1150HD	8	SCREW-DOWN
1150H-MN	8	MAGNET
1150H-B-DM-BK	30	Classic Arm DESK
6750	28	Flex IV-PIVOT
6850	28	Flex CLAMP
6855	28	Flex MAGNET
8HG-200	40	Classic Arm CLAMP
8HG-300	40	Classic Arm IV-PIVOT





# 50-Watts of Intense, Concentrated Light Exactly Where You Need It

## The 1150H-B-DM Halogen

MR16 Type Bulb Included  
4.75" Head is Water Resistant  
Repels Cutting Oils / Coolants



- Puts out a Whopping 970 Foot Candles @ 12 inches
- On-Off-Dimmer Switch Located Up-Front
- Select as Much or as Little Light as you Need
- Multi-angle Capable for Light Where You Need It
- Easy-grip Handle for Accurate Positioning



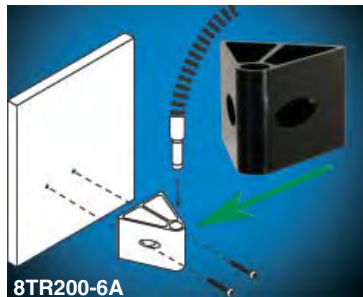
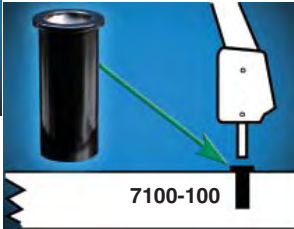
980 Foot Candles  
@ 12 inches

DAZOR®





## MOUNTING OPTIONS FOR DAZOR IV-PIVOT BASE MODELS



### 7100-093 CLAMP TO HORIZONTAL SURFACE

#### **Standard Clamp for most Dazor Lamps**

All metal, dual clamp mounting prevents the base from moving and twisting off the surface.

### 7100-060 WALL MOUNT OR TABLETOP BRACKET

Bracket for vertical mounting to a sturdy, permanent wall. Bracket can also be mounted with screws to a tabletop in a horizontal or sloped position.

### 7100-075 CLAMP TO HORIZONTAL SURFACE

Rugged plastic dual clamp mounting prevents the base from moving and twisting off the surface. Ships with 8ML; fits most IV-Pivot models.

### 7100-08 CLAMP TO A SLOPED SURFACE

Adjustable, dual clamp base mounts on sloped surfaces. Clamps onto the right, left, or backside of a tilted table top. Adjustments are made swiftly with the comfortable, easy-to-grasp knob.

### 7100-100 TABLETOP BUSHING MOUNT

Metal bushing for hole drilled in tabletop.

### 8TR200-6A WALL MOUNT BRACKET

Alternative wall mount for gooseneck arm.



## FLOOR STANDS *Specify matching lamp color*

**When ordering a Dazor lamp with an IV-Pivot on the bottom of the lamp arm, you must order a Dazor floor stand or other mounting option.**

### 1050 CASTER FLOOR STAND

Heavy-duty 5 casters, Dazor models only., 30 lbs., 40.5" high. Wheels and base black.

**Available Pole colors: Black, White, Almond, Dove Gray.**

### 3050R PEDESTAL FLOOR STAND

Circular pedestal, Dazor models only, 30 lbs., 38.5" high

**Available colors: Black, White, Almond, Dove Gray**

### 7940-04 ADJUSTABLE HEIGHT BRACKET/Floor Stands

Mounts on pole of floor stand and can be adjusted up and down the length of the pole for desired height.

## HANGTIGHT™ MOUNTING SYSTEM FOR WALL PARTITIONS

Free-up valuable desktop space by mounting Dazor task lights on workstation wall partitions. Easy-to-install brackets slip into partition slotted channels. Standard 1/2" IV-pivots on Dazor task lights fit into the bracket.



**8TR-100 SINGLE MOUNT** Locate the slotted channel closest to the work area you wish to illuminate. Extent of area illuminated is a function of the task light arm reach. One bracket adjusts to most standard and deep wall partitions. Tighten one screw to provide a firm mount for your task light.

**8TR-240 thru 8TR-480 PARTITION MOUNT** Provides greater illumination coverage for the work surface. The track spans the width of a wall panel and mounts in the slotted channels on both sides. A movable pivot holder for the task light slides along the track length to the desired position. A channel at the top of the track neatly manages the electrical cord.

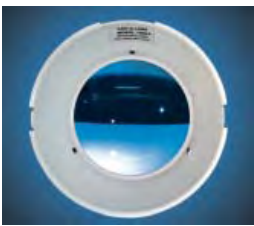
Please specify furniture system when ordering HANGTIGHT components.

8TR-240 (24" Track) • 8TR-300 (30" Track)  
8TR-360 (36" Track) • THRU 8TR-480 (48" Track)  
HangTight™ components mount in the slotted channels in wall partitions. (Lighting unit not included.)

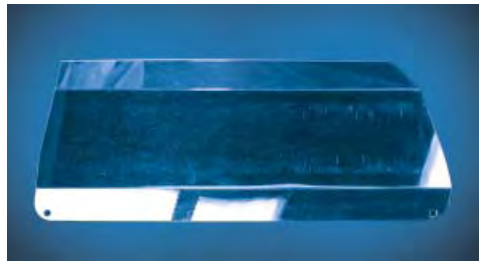
**Available colors: Black, White, Almond, Dove Gray**



## LENSES, SHIELDS, AND ACCESSORIES



1400A



8SD100



14008R-4X-01



NEMA

**209-10** 3-diopter circline magnifying lens  
**209-10A**...5-diopter circline magnifying lens  
**\*1400**...Circline ADD-A-LENS  
**\*1400A**...Circline ADD-A-LENS  
 \*Call to order the correct version

**1408R-4X-01**...16-diopter circline lens system

**8MR900-03**...3-diopter STRETCH-VIEW magnifying lens  
**8MR900-05**...5-diopter STRETCH-VIEW magnifying lens  
**8MR900-011**...11-diopter STRETCH-VIEW magnifying lens system  
**8MR900-016**...16-diopter STRETCH-VIEW magnifying lens system

**570-B**...Two-tube 15-watt shield

**1408-30A**...8MC-series circline shield

**8SD100**...8MG-series shield

**8SD900-1**...8MR-series STRETCH-VIEW shield

**NEMA** hospital grade plug wired on 9 ft. of SJTO 3-conductor cord. Can be supplied on most models. (*Extra Charges Apply.*)

## LAMPS (TUBES AND BULBS)



### A FLUORESCENTS

**F15T8/CW**...15-watt fluorescent, cool white (4100°K)  
**F15T8/DL**...15-watt fluorescent, daylight (6500°K)  
**F15T8/C50**...15-watt fluorescent, color corrected (5000°K)  
**FT15T8/BLB**...15-watt fluorescent, black light  
**F15T8/FSB**...15-watt fluorescent, Full-Spectrum (5900°K)

**B FC8T9/CW**...22-watt fluorescent circline, cool white (4100°K)  
**FC8T9/DL**...22-watt fluorescent circline, daylight (6500°K)  
**FC8T9/BLB**...22-watt fluorescent circline, black light  
**FC8T9/FSB**...22-watt fluorescent circline, Full-Spectrum (5000°K)

**C 13W-27**...13-watt compact fluorescent, warm white (2700°K)  
**13W-35**...13-watt compact fluorescent, natural light (3500°K)  
**13W-41**...13-watt compact fluorescent, cool white (4100°K)  
**13W-51-FSB**...13-watt compact fluorescent, Full-Spectrum (5000°K)

**D 15W-27**...15-watt compact screw-in fluorescent, warm white (2700°K)

**E 18W-35**...18-watt compact fluorescent, natural light (3500°K)  
**18W-41**...18-watt compact fluorescent, cool white (4100°K)  
**18W-FSB**...18-watt compact fluorescent, Full-Spectrum (5000°K)

**F FML23W-PH**...23-watt compact fluorescent, warm white  
**FML23W-GE**...23-watt screw-in fluorescent, Full-Spectrum (5700°K)

**G FML27W-PH**...27-watt compact fluorescent, warm white  
**FML27W-GE**...27-watt compact fluorescent, Full-Spectrum (5000°K)

**H FPL27W/DL**...27-watt compact fluorescent for Lite-Touch, cool white (4000K)

### HALOGENS

**6000-10**...20-watt halogen

**5HG101-8**...50-watt halogen MR16



6000-01

5HG101-8





**DAZOR MANUFACTURING CORP.**  
**11721 Dunlap Industrial Drive**  
**Maryland Heights, Missouri 63043**

**Telephone: (800) 345-9103**  
**In Missouri: (314) 652-2400**  
**Fax: (314) 652-2069**  
**www.dazor.com**  
**e-mail: info@dazor.com**

**COLORS:** Prices apply to standard colors of Black, White, Almond, Machine Gray, and Dove Gray. Orders for special colors are subject to minimum quantities and special prices.

**UNDERWRITERS LABORATORIES:** All standard models are U.L. Listed for 120V 60HZ.

**WARRANTY:** Standard products have a five-year limited warranty. Tubes and bulbs are not covered by warranty.

**MADE IN USA**  
Prices and specifications are subject to change without notice.

**PATENTS PENDING**  
[www.dazor.com](http://www.dazor.com)

2/14/2006

