

Let Apollo Innovation Be Your...

# RIGHT ARM™



Ellipsoidals & Fresnels



PARs



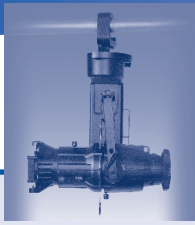
Video Cameras



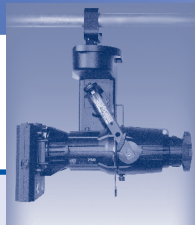
Projectors

The functional design of Apollo's Right Arm™ makes it easy to add pan and tilt capabilities to a wide variety of lighting, video, and projection devices. An integral balancing system, a novel technique to setting the pan and tilt range for maximum accuracy, quality componentry for smooth movement, and a built-in universal power supply are additional features that make the Right Arm™ the right choice.

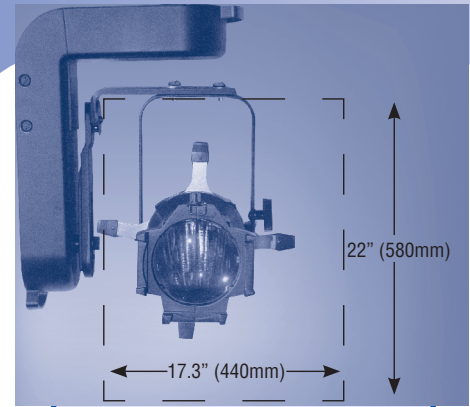




**Diagram A**



The Right Arm™ contains a two point integral balancing system that allows the use of fixtures which are front or rear heavy, i.e. a long throw ellipsoidal or an ellipsoidal using a color changer on the front, without adding counter weights or modifying the fixture.



**Diagram B**

The Right Arm™ offers a wide range of adjustment for fixture heights and widths without removing shutters or existing yokes. Shown above with open shutters on an ellipsoidal/Leko.

# RIGHT ARM™

## Specifications

### Compatible Fixtures

Adjustable to accommodate various fixtures and allow for color changers and doublers. (see diagrams A & B)

### Dimensions And Key Components

<b>Height:</b>	26" (660mm) with clamp
<b>Height, hang below pipe:</b>	23.3" (643mm)
<b>Width:</b>	15" (381mm)
<b>Depth:</b>	7" (178mm)
<b>Weight:</b>	28lb (12.7kg) without fixture
<b>Shipping Weight:</b>	34lb (15.4kg) without fixture
<b>Capacity:</b>	40lb (17.5kg)
<b>Pan:</b>	340°
<b>Pan Speed:</b>	180° in 6 seconds
<b>Pan Torque:</b>	5 foot-pounds average
<b>Tilt:</b>	270°
<b>Tilt Speed:</b>	180° in 6 seconds
<b>Tilt Torque:</b>	10 foot-pounds average

### Ratings

UL STD 73 Compliant  
CE Pending  
TUV Pending

### Drive System

High Torque Stepper Motor

### Power

	Built-in Universal Power Supply
<b>Operating Voltage:</b>	90-260 VAC, 50/60 Hz (auto select)
<b>Arm Rated Power:</b>	50 VA maximum
<b>Fixture Power Cord Rating:</b>	15 amps, 250 volts max
<b>Accessory Port Power Total:</b>	24 volts DC
<b>Current Required for Right Arm Alone:</b>	.5 amps

### Data/Power Transmission

<b>Power Cables:</b>	1 for Arm (connector not included) 1 for fixture (connector not included)
<b>Data Connectors:</b>	XLR 5-pin, male/female

### Accessory Outputs

2 XLR 4-pin, female

With the repositioning capabilities of the Right Arm™, equipment costs are reduced.

Since the Right Arm™ repositions fixtures from a control console on the floor, labor costs and safety hazards are reduced.

A great feature of the Right Arm™ is that the pan and tilt range can be defined using built-in range presets. This limits the Right Arm™ to areas that require light and increases accuracy. An optional speed control channel provides smooth movement with all loads and speeds.

**Diagram C**

Option	Switch Setting
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200° Pan and Tilt, 8 Bit	0
120° Pan and Tilt, 8 Bit	1
90° Pan and Tilt, 8 Bit	2
200° Pan and Tilt, 8 Bit + Speed	3
120° Pan and Tilt, 8 Bit + Speed	4
90° Pan and Tilt, 8 Bit + Speed	5
340° Pan and 270° Tilt, 16 Bit + Speed	6
200° Pan and Tilt, 16 Bit + Speed	7
120° Pan and Tilt, 16 Bit + Speed	8
90° Pan and Tilt, 16 Bit + Speed	9

Option	DMX Channels
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8 Bit	(1) Pan, (2)Tilt
8 Bit + Speed	(1) Pan, (2)Tilt, (3)Speed
16 Bit + Speed	(1) Pan Coarse, (2)Pan Fine, (3) Tilt Coarse, (4)Tilt Fine, (5) Speed

### Apollo Design Technology, Inc.

4130 Fourier Drive  
Fort Wayne, IN 46818  
Phone: 260.497.9191 Fax: 260.497.9192  
www.internetapollo.com

