



# FILM CINEMA PRODUCTS

CATALOGUE 2010

powered by

**CHRISTIE®**



# Xenon Lamp Listing



## Christie Xenolite® high performance lamp solutions

Christie Xenolite® lamps light up screens around the world and help you provide the best cinema experience to your patrons. To get a true representation of color in any environment requires a truly remarkable light source and the Christie Xenolite lamp delivers. The lamps offer stable color temperature, a wide range of power levels and excellent

color rendition. Christie understands the cinema industry. We know our customers personally. With no margin for error, the show must always go on. Christie brings over 80 years of experience, knowledge and value to your cinema business. From concept to completion, Christie is the undisputed leader in creating solutions for your cinema.

**CHRISTIE®**



The Christie Solaria™ Series and CP Series of digital cinema projectors, powered by CDXL Xenolite lamps, set new levels of performance for digital cinema technology. Choices in brightness levels and power levels offer flexibility for a variety of screen sizes in existing theater infrastructure.

The use of a CDXL lamp is guaranteed against defect while operating in any Christie digital cinema projector.



#### CDXL Xenolite lamps

At the heart of Christie's digital cinema projector line are Christie's CDXL high performance Xenolite lamps. These lamps have been optimized for use with Christie digital cinema projectors. With increased brightness in the same form factor as standard cinema grade lamps, CDXL lamps provide higher output and brightness in a more cost-efficient package.

Christie lamps lower operating costs, increase light output and efficiency and save maintenance costs. With a proven uptime of 99.999% you know your show will always be on screen. So, if you want your name in lights, light the show with Christie.

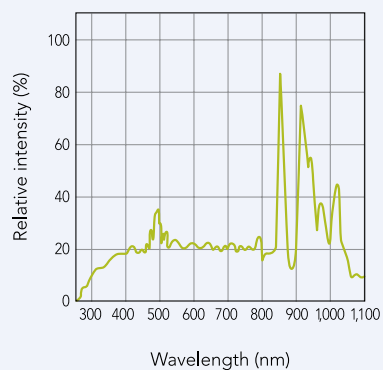
▲ The DreamWorks® Shrek 4D Adventure is a 3D event like no other using specially designed "Ogre Vision" glasses, motion-controlled seating and Christie's acclaimed high resolution CP2000 DLP Cinema® projectors and Christie Xenolite lamps to project the latest ogre-whelming adventure.

## Wavelength diagram

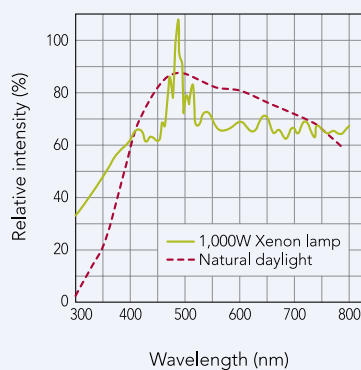
Christie Xenolite Short Arc Xenon Lamps  
Engineered for superior performance in all cinema applications.



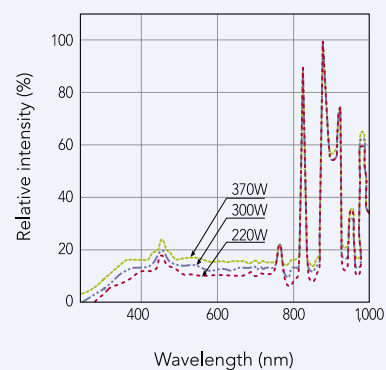
Spectral distribution diagram



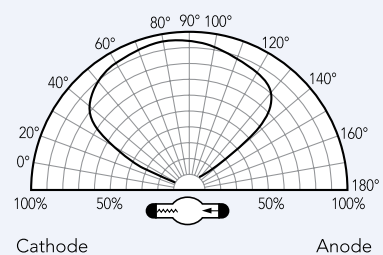
Spectrum comparison between Xenon lamp and daylight



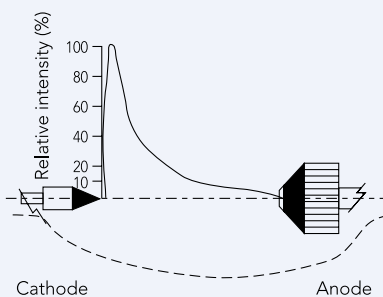
Variation spectral distribution corresponding to input variation



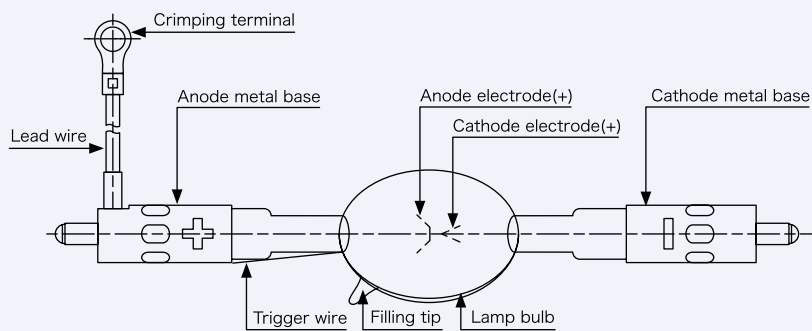
Luminous intensity distribution curve



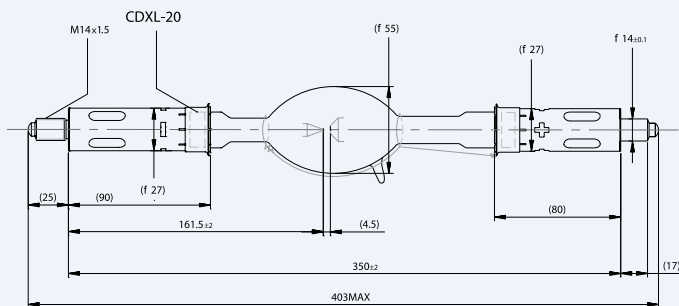
Luminous intensity distribution curve along the arc axis



Construction of a Xenon short arc lamp



CDXL-20 (003-000598-02)



- Improved performance
- Cost-efficient
- Purpose-built for cinema applications

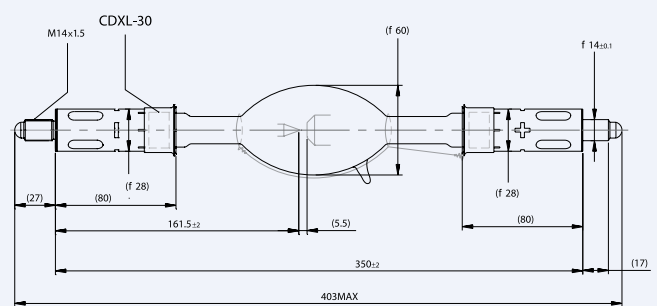
## Operational information

Lamp	CDXL-20
Average life	3500hrs
Warranty	100% warranty to 2400hrs
Performance gain	26%

## Technical data

Rated input power	2000W
Rated current	80A
Operating current range	60-85A
Rated voltage	25V
Cold arc gap	4.5mm
Lamp length (L1)	403mm
Lamp length (L2)	350mm
LCL (L3)	161.5mm
Bulb diameter	ø 55mm
Base diameter	ø 27mm
Cathode pin diameter	ø M14 x 1.5mm
Anode pin diameter	ø 14mm
Horizontal	±5°
Base surface temperature	200°C max
Forced air cooling	10-13 m/s

CDXL-30 (003-000599-02)



- Improved performance
- Cost-efficient
- Purpose-built for cinema applications

## Operational information

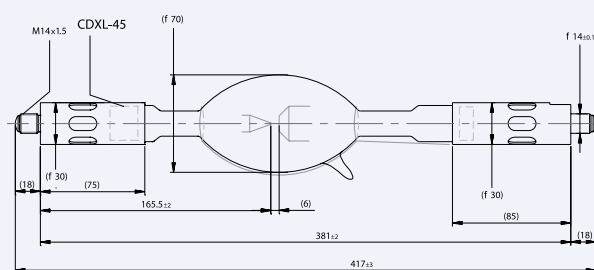
Lamp	CDXL-30
Average life	2500hrs
Warranty	100% warranty to 1500hrs
Performance gain	27%

## Technical data

Rated input power	3000W
Rated current	110A
Operating current range	90-120A
Rated voltage	27V
Cold arc gap	5.5mm
Lamp length (L1)	403mm
Lamp length (L2)	350mm
LCL (L3)	161.5mm
Bulb diameter	ø 60mm
Base diameter	ø 28mm
Cathode pin diameter	ø M14 x 1.5mm
Anode pin diameter	ø 14mm
Horizontal	±5°
Base surface temperature	200°C max
Forced air cooling	10-13 m/s



CDXL-45 (003-000600-02)



- Improved performance
- Cost-efficient
- Purpose-built for cinema applications

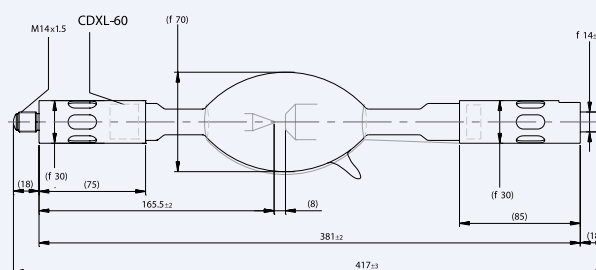
**Operational information**

Lamp	CDXL-45
Average life	1200hrs
Warranty	100% warranty to 1000hrs
Performance gain	38%

**Technical data**

Rated input power	4500W
Rated current	145A
Operating current range	95-155A
Rated voltage	31.5V
Cold arc gap	6mm
Lamp length (L1)	417mm
Lamp length (L2)	381mm
LCL (L3)	165.5mm
Bulb diameter	ø 70mm
Base diameter	ø 30mm
Cathode pin diameter	ø M14 x 1.5mm
Anode pin diameter	ø 14mm
Horizontal	±5°
Base surface temperature	200°C max
Forced air cooling	10-13 m/s

CDXL-60 (003-000601-02)



- Improved performance
- Cost-efficient
- Purpose-built for cinema applications

**Operational information**

Lamp	CDXL-60
Average life	900hrs
Warranty	100% warranty to 600hrs
Performance gain	11%

**Technical data**

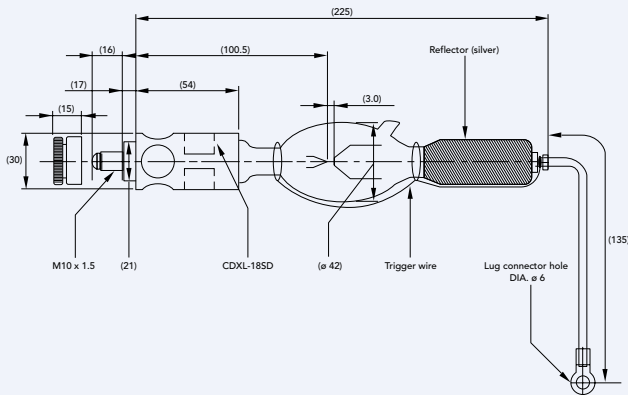
Rated input power	6000W
Rated current	155A
Operating current range	105-165A
Rated voltage	39V
Cold arc gap	8mm
Lamp length (L1)	417mm
Lamp length (L2)	381mm
LCL (L3)	165.5mm
Bulb diameter	ø 70mm
Base diameter	ø 30mm
Cathode pin diameter	ø M14 x 1.5mm
Anode pin diameter	ø 14mm
Horizontal	±5°
Base surface temperature	200°C max
Forced air cooling	10-13 m/s



### CDXL-SD Xenolite lamps

Christie CDXL-SD ultra high performance Xenon lamps are the best option for illuminating your Christie digital cinema projector. The CDXL-18SD and CDXL-20SD lamps have been designed and optimized for the CP2000-M and CP2210 while the CDXL-30SD lamp has been designed for the CP2000-ZX and CP2220. The Christie SD series of Xenon lamps were developed specifically for optimum performance in the Christie digital cinema projectors in which they operate.

CDXL-18SD (003-002742-01)



- Improved brightness
- Purpose built for cinema applications

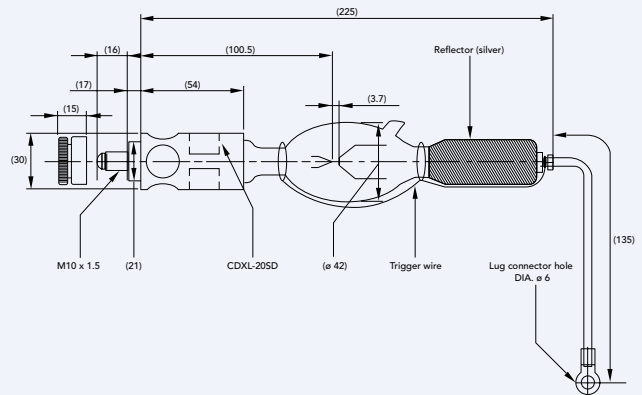
#### Operational information

Lamp	CDXL-18SD
Average life	2100*hrs
Warranty	100% warranty to 1750hrs
Performance gain	n/a

#### Technical data

Rated input power	1800W
Rated current	75A
Operating current range	70-81A
Rated voltage	26.5V
Cold arc gap	3.0mm
Lamp length (L1)	241mm
Lamp length (L2)	225mm
LCL (L3)	100.5mm
Bulb diameter	ø 42mm
Base diameter	ø 30mm
Cathode pin diameter	ø M10 x 1.5mm
Anode pin diameter	n/a
Horizontal	±5°
Base surface temperature	200°C max
Forced air cooling	10-13 m/s

CDXL-20SD (003-001976-01)



- Improved brightness
- Purpose built for cinema applications

#### Operational information

Lamp	CDXL-20SD
Average life	1500**hrs
Warranty	100% warranty to 1000hrs
Performance gain	n/a

#### Technical data

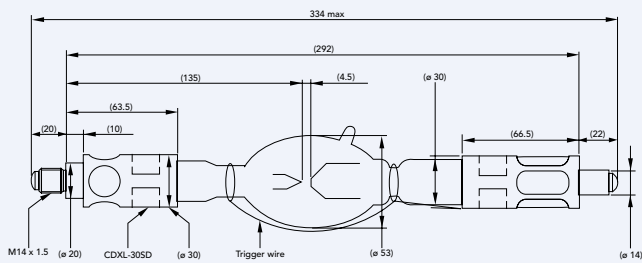
Rated input power	2000W
Rated current	75A
Operating current range	70-81A
Rated voltage	26.5V
Cold arc gap	3.7mm
Lamp length (L1)	241mm
Lamp length (L2)	225mm
LCL (L3)	100.5mm
Bulb diameter	ø 42mm
Base diameter	ø 30mm
Cathode pin diameter	ø M10 x 1.5mm
Anode pin diameter	n/a
Horizontal	±5°
Base surface temperature	200°C max
Forced air cooling	10-13 m/s

\* 2100 hours when operated in a CP2000-M model number ending in -02 or greater

\*\* 1500 hours when operated in a CP2000-M model number ending in -02 or greater. Not recommended for use in CP2000-M model number ending in -01

▼ Hoyts Cinema, Australia

## CDXL-30SD (003-001165-01)



- Improved brightness
- Purpose built for cinema applications

## Operational information

Lamp	CDXL-30SD
Average life	1500***hrs
Warranty	100% warranty to 1000hrs
Performance gain	n/a

## Technical data

Rated input power	3000W
Rated current	100A
Operating current range	93-107A
Rated voltage	30V
Cold arc gap	4.5mm
Lamp length (L1)	334mm
Lamp length (L2)	292mm
LCL (L3)	135mm
Bulb diameter	ø 53mm
Base diameter	ø 30mm
Cathode pin diameter	ø M14 x 1.5mm
Anode pin diameter	ø 14mm
Horizontal	±5°
Base surface temperature	200°C max
Forced air cooling	10-13 m/s

\*\*\* 1500 hours when operated in a CP2000-ZX





Christie understands the cinema industry. We know our customers personally. With no margin for error, the show must always go on and our CXL Xenolite lamps are integral to that promise. Christie brings over 80 years of experience, knowledge and value to your cinema business. From concept to completion, Christie is the undisputed leader in creating solutions for your cinema.

	Rated input power	Rated current	Operating current range	Rated voltage	Cold arc gap	Overall lamp length	Lamp length between connector faces	Lamp length from rear connector face to arc center	Bulb diameter	Cathode pin diameter	Anode pin diameter	Cables included	Vertical tolerance	Horizontal tolerance
	W	A	ADC	VDC	mm	mm	mm	mm	mm	mm	mm	mm	±°	±°
CXL-10	1000	45	35-50	20	5.0	330	275	125	45	M14XP1.5	14	No	N/A	15
CXL-10S	1000	50	30-55	20	4.2	235	205	96.5	40	5/16-18UNC	11	No	N/A	15
CXL-10SC	1000	50	30-55	20	4.2	236	222	96.5	40	5/16-18UNC	N/A	Anode	N/A	15
CXL-14M	1430	73.5	56-82	19.5	4.0	248	225	100.5	48	M10X1.5	N/A	Anode	N/A	5
CXL-16SC	1430	65	45-70	22	4.0	236	222	96.5	48	5/16-18UNC	N/A	Anode	N/A	15
CXL-16S	1430	65	45-70	22	4.0	235	205	96.5	48	5/16-18UNC	11	No	N/A	15
CXL-1600A	1600	65	45-70	24	4.8	365	320	145	55	12	10	Anode	30	N/A
CXL-20*	2000	80	60-85	25	6.0	375	320	145	55	M14XP1.5	14	No	15	15
CXL-20SC	2000	80	50-85	25	6.0	342	302	147	60	7.9	9.4	Anode	30	30
CXL-20R	2000	70	50-85	29	6.0	370	320	145	55	12	10	Both	30	30
CXL-25*	2500	90	70-95	24	7.0	403	350	165	60	M14XP1.5	14	No	15	15
CXL-2500LC	2500	83	60-85	27	7.0	433	380	171	57	14	13	Anode	30	30
CXL-25SC	2500	90	70-100	28	6.0	345	300	147	60	7.9	9.4	Anode	15	15
CXL-30*	3000	100	80-110	27	7.0	403	350	165	60	M14XP1.5	14	N/A	N/A	15
CXL-30SC	3000	100	60-110	30	6.5	342	302	147	60	7.9	9.5	Anode	30	30
CXL-30R	3000	100	60-100	30	7.0	428	382	171	70	14	13	Both	30	30
CXL-40*	4000	130	100-140	29	7.0	433	380	170	70	M14XP1.5	14	No	N/A	15
CXL-40SC	4000	135	80-150	29	7.0	410	370	174.5	70	7.9	9.4	Anode	N/A	15
CXL-4200A	4200	140	100-150	30	7.0	428	380	170	70	14	13	Both	N/A	15
CXL-45*	4500	150	100-160	30	8.0	433	380	170	80	M14XP1.5	14	No	N/A	15
CXL-50SC	5000	140	110-150	35	8.0	410	370	171	70	7.85	9.4	Anode	N/A	15
CXL-60*	6000	160	110-170	37	9.0	417	381	170	80	M14XP1.5	14	No	N/A	15
CXL-60SC	6000	160	110-170	37	9.0	433	392	176	80	7.85	9.4	Anode	15	15
CXL-70	7000	160	110-170	43	11.0	417	381	170	80	M14XP1.5	14	No	N/A	15
CXL-70SC	7000	160	110-170	43	11.0	433	392	176	80	7.85	9.4	Anode	15	15

\*Christie Core Lamps

#### Product reference notes and suffixes

- Consult factory for proper application
- A – with anode cable
- S – short lamp length/threaded tip on cathode end and 11mm pin on anode end/no cables
- SC – short lamp length/8mm cathode and 9.5mm anode pins/with anode cable
- LC – longer lamp length/lug type connector/14mm pins/with anode cable
- R – longer lamp length/with both cables
- No suffix – threaded tip on cathode end and 14mm pin on anode end/no cables

### Manufacturer's cross reference

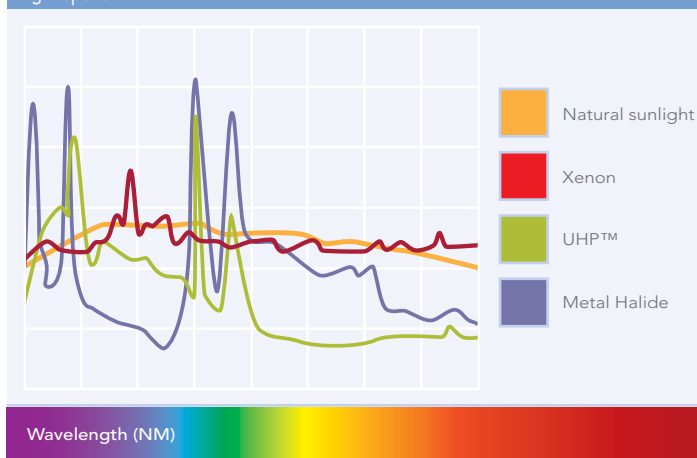
Christie Xenolite Lamps (Model numbers subject to change without notice)

Wattage	Model number	OSRAM	LTi
1000	CXL-10	XBO 1000W/HTP OFR	LTIX 1000W-HTP
1000	CXL-10S	XBO 1000W/HS OFR	LTIX 1000W-HS
1000	CXL-10SC	XBO 1000W/HSC OFR	LTIX 1000W-HSC
1400	CXL-14M	NONE	NONE
1600	CXL-16S	XBO 1600W/HS OFR	LTIX 1600W-HSCH
1600	CXL-16SC	XBO 1600W/HSC OFR	LTIX 1600W-HSCCH
2000	CXL-20	XBO 2000W/HTP OFR	LTIX 2000W-HTPCH
2000	CXL-20R	XBO 2000W/H OFR	LTIX 2000W-HCH
2000	CXL-20SC	XBO 2000W/HS OFR	LTIX 2000W-HSXH
2500	CXL-25	NONE	NONE
2500	CXL-25SC	XBO 2500W/HS OFR	LTIX 2500W-HSCH
3000	CXL-30	XBO 3000W/HTP OFR	LTIX 3000W-HTPCH
3000	CXL-30R	XBO 3000W/H OFR	LTIX 3000W-HCH
3000	CXL-30SC	XBO 3000W/HS OFR	LTIX 3000W-HSXH
4000	CXL-40	XBO 4000W/HTP OFR	LTIX 4000W-HTPCH
4000	CXL-40SC	XBO 4000W/HS OFR	LTIX 4500W-HSCH
4500	CXL-45	NONE	NONE
5000	CXL-50SC	NONE	L5000W-HS
6000	CXL-60	NONE	LTIX 6000W-HTP
6000	CXL-60SC	NONE	LTIX 6002W-HS
7000	CXL-70	NONE	NONE
7000	CXL-70SC	XBO 7000W/HS OFR	LTIX 7000W-HSCH
1600	CXL-1600A	XBO 1600W/CA OFR	LTIX 1600W-H
2000	CXL-20R	XBO 2000W/H OFR	LTIX 2000W-H
2500	CXL-2500 (LC)	XBO 2500W OFR	LTIX 2500W-H
3000	CXL-30R	XBO 300W/H OFR	LTIX 3000W-H
4000	CXL-4200	XBO 4000W OFR	LTIX 4200W-HC
4200	CXL-4200A	XBO 4200W/CA OFR	LTIX 4200W-H









### Champion Xenolite lamp warranty

Model CXL	Full credit HRS
-10S, -10SC, -14M, -16S, -16SC	2000
-10, -20, -20R, -20SC	2400
-30, -30R, -30SC	1500
-25, -25SC	1500
-40, -40SC, -45	1200
-50SC	1000
-60, -60SC	600
-70, -70SC	500
900A, 1600A	2400
2500LC	1800
4200A	1200


### Light spectrum





### Warning


-  Do not operate the lamp in close proximity to paper, cloth or other combustible material, nor cover it with such materials, even immediately after it is turned off. Otherwise it could cause a fire.
-  As the lamp is filled with high pressure Xenon gas, do not hit the lamp against anything, apply excessive stress or scratch the lamp. Otherwise it could cause an injury if it bursts.
-  The lamp must be operated in a splinter-scatter-proof lamp house. Do not open the lamp house while the lamp is operating or immediately after it is turned off. Otherwise it could cause an injury if it bursts.
-  Do not touch the lamp while it is operating or immediately after it is turned off because it is extremely hot. Otherwise it could cause a burn.
-  Do not operate the lamp in an atmosphere containing an inflammable substance, such as gasoline, spray containing volatiles, thinner, lacquer or dust. Otherwise it could cause a fire or an explosion.
-  As the lamp is filled with high pressure Xenon gas, it must be kept in the provided protective case when transporting, storing or disposing. Otherwise it could cause an injury, if it bursts.
-  The lamp that has been used for the rated service life is more likely to break and burst because of the deteriorated glass condition. Therefore, follow the instructions above for replacement and disposal of the used lamp. Otherwise it could cause injury if it bursts.
-  Wear a protective mask, protective gloves and a thick long-sleeved shirt, when the lamp is handled or installed and removed to/from the lamp house.


- The protective mask which covers the carotid, must be made with thicker than 2mm polycarbonate or another material with same strength or more.
- Gloves and a thick long-sleeved shirt must be made with ripping-proof and piercing-proof material like aramid fiber. Otherwise it could cause an injury if the lamp bursts.

 Operate the lamp in the position indicated in the column of the burning position in this certificate. Otherwise it could cause overheating of the lamp house, lamp breakage or short lamp life.

 Thoroughly ventilate the area or the room when operating the lamp in an oxygen atmosphere (in air), except in the case of ozone-free lamps. If ozone is inhaled, it could cause headaches, nausea, dizziness, etc.

 Turn off the electrical power before installing, removing or cleaning the lamp house. Otherwise it could cause electrical shock.

 During operation the lamp emits intense UV radiation which is harmful to the eyes and skin. Do not look directly or indirectly at the operating lamp. Otherwise it could cause eye aches or eyesight problems.

 Do not directly or indirectly expose your skin to the lamp light, otherwise it could cause inflammation of the skin.

### Important operation notes

- The lamp must be operated under the specified use conditions such as lamp current, lamp voltage and cooling condition.
- Keep the lamp base temperature below 200°C or maximum temperature if specified by following cooling conditions designated.

### Caution

#### Handling

- When the lamp is soiled with fingerprints by touching glass envelope with bare hand or dust, clean it with alcohol-soaked cloth. Otherwise it could burst or shorten lamp life.
- Do not subject the lamp to vibration or shock, otherwise, it could burst or shorten lamp life.

#### Installation

- Install the lamp in the correct polarity. Otherwise it could burst, cause overheating of the lamp house or shorten lamp life.
- Do not apply excessive stress such as twisting or bending when installing the lamp, otherwise it could cause an injury if it bursts.
- Do not use any tools to tighten connections when fixing the lamp, use only hands, otherwise it could cause breakage.
- Fix the lamp and its lead wire firmly to the terminals. Before fixing, make sure that there is no rust, burning or discoloration where electrical connections are made between the lamp and the lamp house, otherwise it could cause overheating by poor electrical connection.
- Install the lamp with the protective cover. Be sure to remove the protective cover from the lamp after installation.
- Cover the lamp with the protective cover before removing the lamp from the lamp house, otherwise it could cause an injury if the lamp bursts.

#### Operation

- Do not open the lamp house for at least ten (10) minutes after the lamp is turned off, otherwise it could cause an injury if it bursts.

- Remove the lamp from the lamp house after making sure it has been turned off for more than 15 minutes and the lamp and lamp house have cooled down, otherwise, it could cause an injury or burn if the lamp bursts.

Use a suitable lamp house and power supply (ballast). Operate a lamp in the range of wattage designated.

#### Storage

Store the lamp under the following conditions:  
Temperature: – 25~65°C, Humidity: 20~95%RH, without condensation.

#### Disposal

- The used lamp must be kept in the provided protective case until disposal by breaking the glass part. Otherwise it could cause injury.
- The lamp is filled with high pressure Xenon gas. Disposal without breaking the glass part may result in lamp burst. Follow the instructions below to prevent harmful repercussions:

WEAR A PROTECTIVE MASK, PROTECTIVE GLOVES AND A LONG SLEEVED SHIRT WHEN HANDLING THE LAMP.

1. The used lamp must be kept in the provided protective case; the case must be securely locked by the metallic stopper.
2. Place the used lamp in the protective case into the provided box. Firmly attach the tape of the paper case to make certain the case will not open if the lamp is dropped.
3. From about one (1) meter in height, drop the provided box, with the lamp and protective case inside, onto a hard floor.
4. Shake the box to determine if the lamp is broken.
5. Dispose of as industrial waste. Dispose separately where metal and glass must be disposed of separately.

#### Warranty hours

Effective August 1, 2009

Lamps purchased after August 1, 2009 will be subject to the above warranty life hours and the following standard terms and conditions\*.

\* Credit is subject to the following conditions or exclusions:

1. **DAMAGE IN SHIPMENT IS NOT COVERED BY WARRANTY.** Lamp must be inspected upon arrival. If damaged, a claim must be filed immediately with the carrier.
2. Defective lamp (all metal parts if lamp is shattered) must be returned to Christie, freight prepaid and insured for the amount of anticipated credit, together with completed warranty form.
3. Lamp must have been operated with the correct polarity, not below rated minimum current, nor above maximum rated power, in accordance with applicable air cooling requirements and other operating conditions.
4. If the lamp is operated with a spherical reflector, the reflected cathode hot spot must not be superimposed on either of the lamp's electrodes.
5. **INSPECTION AND TEST AT CHRISTIE MUST VERIFY CLAIM.**
6. Christie shall not be liable for any consequential damage other than **REFLECTOR** under CXL lamp types or **REFLECTOR, UV FILTER AND INTEGRATOR**, if used in CP2000 series projectors.
7. Any credit due is based on the Christie net selling price and warranty applicable at time of purchase of the defective lamp and issued to the original purchaser. New, unused lamps may be returned only if within 2 years from original date of purchase. Lamps over 3 years old will not be covered under warranty regardless of hours used.
8. In the event of a warranty dispute, the final decision rests solely with Christie.



# Autowind™

## Film Handling System – Reliable, Smooth and Versatile

The Christie Autowind™ continues to lead the field with its well-earned reputation for dependability and performance. With over 12000 units in operation today, the Autowind has been dubbed the workhorse of the industry.

The Autowind is available in 3, 4 or 5 deck versions. Each deck is capable of operating independently, utilizing solid-state electronic controls. The innovative removable center-feed plate, makes threading and transfer of film easier than ever. Film handling is almost eliminated and there's no rewinding, which avoids film damage. The Autowind also converts easily to 70mm format, making it perfect for today's multi-screen theatres.

Platters are constructed of double-sided aluminum, with a honey-comb core. The controls are completely independent from each platter and driven by high-capacity motors. Infrared control sensors provide precision response to the SCR controlled servo system. Modular design of the column allows for easy access to the fuse-protected plug-in circuit boards. The Autowind allows for alignment while in operation.

The Christie Autowind has been engineered for greater reliability, smooth operation and unique versatility. Our superior craftsmanship and design will guarantee your Autowind will run for decades.

Christie Autowind: More than just a name, it's the standard!

- All Autowind platter models can be used for make up or tear down
- Service lights above platters facilitate work in darkened projection rooms
- Allows feeding film at high speed directly from one platter to another without going through the projector
- Works with Christie Make-up or MARS rewind tables

### APPLICATIONS

- Cinema/exhibition

**CHRISTIE**  
*Project. Present. Perform.*



# Autowind™ • Specifications

## Power Requirements

- 115 VAC 60Hz, 4 amps/220 VAC 50Hz (step down transformer available)

## Motors

- Direct drive torque motor, 1/10hp, variable speed, 90 VDC

## Rollers

- Precision injection molded rollers with permanently lubricated Teflon material, riding on ground and hardened steel shafts
- One removable center-feed plate; AW35R model has two removable center-feed plates

## Platters

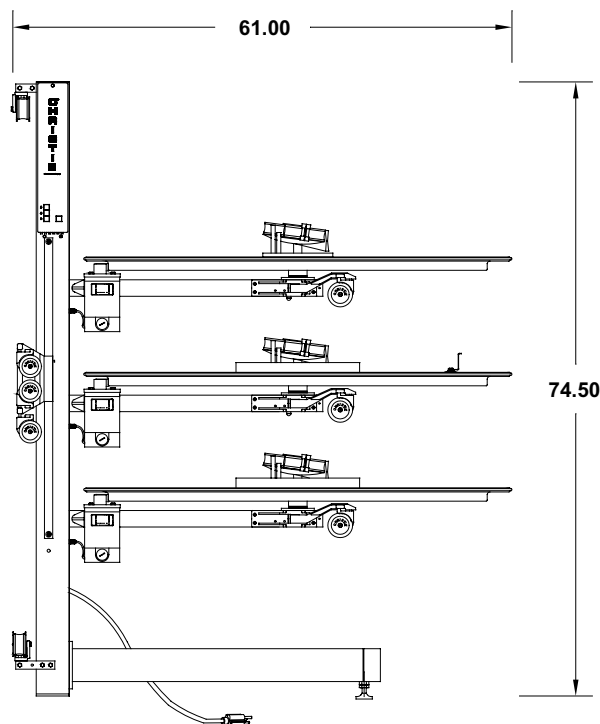
- 52" double-sided aluminum decks
- Take up rings: 2-18" rings standard with AW3R; 3-18" rings with AW34R & AW35R

## Control Module

- Hinged door provides access to plug in replaceable components and DC cords
- Motor control cards are protected by 5 amp fuses
- PCB led assembly with IR sensors
- Push button on/off and platter select switches

## Weight and Dimensions

- AW3R – 365 lbs, 74 1/2" H x 61" L
- AW34R – 600 lbs, 78 1/2" H x 61" L
- AW35R – 650 lbs, 78 1/2" H x 61" L



## FEATURES



- Removable center-feed plate makes threading and transfer of film easy.



- Hinged door provides access to plug in replaceable components and DC cords.



- Precision injection molded rollers with permanently lubricated Teflon material.

## OPTIONS

Available in three convenient sizes to fit you individual needs:

- **AW3R 3 deck:** Platter capacity, 4 hrs 30 min. 24300 ft of film; used with 1 projector
- **AW34R 4 deck:** Platter capacity, 4 hrs 30 min. 24300ft of film; used with 1 projector – great for double or triple features
- **AW35R 5 deck:** Platter capacity, 4 hrs 30 min. 24300ft of film; can be used to feed film to two separate auditoriums – great for double or triple features
- **70mm Conversion Kit:** Platter capacity 3 hrs 10 min. 20900ft of film. The 70mm conversion kit allows for easy change over to 70mm operation, by changing the rollers and center-feed plate. There's no need to change the platter speed or any other components. The entire change is less than 15 minutes!

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# Automations & Cue Detectors



## Automate Your Console for Maximum Performance

### Christie 3Q Automation

The Christie 3Q is a cost effective, complete automation, controlling all booth and most common auditorium functions. Designed specifically for the Christie SLC Console, the cue driven design provides control of all booth and auditorium functions by using interlock, selectable functions and user assignable options. Incorporating separate trailer and feature pre-selects, for audio and picture format, along with manual over-ride options, the reliable relay-based 3Q automation provides easy operation. When combined with the Christie enhanced 3-cue electro-mechanical cue detector and failsafe, the 3Q automation provides easy and reliable function for years to come.

### CA21/CA100 Automations

The Christie CA21 and CA100 Automations are highly flexible, fully programmable automations, designed to meet the ever-changing needs of the modern megaplex. Conveniently mounted in the Christie SLC Console, the CA21 or CA100 provides complete control of all projection, sound and auditorium functions. Both can be pre-programmed up to 6 individual show programs, consisting of up to 16 steps, which are capable of handling multiple functions.

The CA21 or CA100 uses a single cue placed on the film, which signals each step and can include multiple picture and sound format change, as well as volume adjustments. This unique feature allows the operator to pre-set gain levels and maintain consistent sound levels. The LED illuminated front panel shows the full program sequence along with sound format and level. An illuminated real-time clock provides automatic show-start.

## APPLICATIONS

- Cinema/exhibition

# Automation • Features

## Christie 3Q Automation

- Designed specifically for the SLC Console
- Separate trailer and feature pre-selects for audio and picture formats
- Manual over-ride switches
- Reliable relay-based
- Two screen interlock
- Audible alarm
- Two assignable option switches
- Remote and status capable

## CA21/CA100 Automations

- EPROM-based electronics
- Interlock multiple screens
- Multiple pre-set volume control
- Battery back-up
- Audible alarm
- Two-conductor data connection for remote status
- Pre-program up to 6 individual show programs
- Easy operation: No complicated menus or computer language to learn
- Console or wall mount
- Efficiently handles automatic two projector change over systems

## FEATURES



- *FM35, 3 head, 7 proximity cue detector with optical film break sensor and QX10 expander.*



- *3 head, 7111 proximity cue detector with mechanical film break sensor. For expanded use with Christie 3Q Automations.*



- *Christie's own, 3 head proximity cue detector with mechanical film break sensor.*

## Cue Detectors

Christie provides a range of electro-mechanical cue detectors to enhance your automation needs. For use with the Christie 3Q Automation, CA21 or CA100 automations, each cue detector and failsafe assembly offers high quality, lasting performance and flexibility in controlling the automation functions.

### 690 Cue

Christie's own, 3 head proximity cue detector with mechanical film break sensor. For use with the Christie 3Q Automations.

### 585 Cue

3 head 7111, proximity cue detector with mechanical film break sensor. For expanded use with the Christie 3Q Automations.

### 640 Cue

FM35, 3 head, 7 proximity cue detector with optical film break sensor and QX10 expander. For upgrading older style automations or expanded use with the Christie 3Q Automations.

### 718 Cue

Single (1) proximity cue detector with mechanical film break sensor. For use with the CA21 or CA100 Automations.

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# MK-35 Make-up Table



- Make-up or tear-down a feature in less than an hour
- Works with either 35mm or 70mm film for greater flexibility
- Portability and comfort design save valuable time and provide ease of operation
- Adjustable needle-bearing swivel rollers for right or left hand operation

## APPLICATIONS

- Cinema/exhibition

## Flexible, Portable MK-35 is the Perfect Companion for Christie Platter Systems

The Christie Make-up Table is the perfect companion to the Christie series of platter systems. Working with the legendary Autowind™, award winning ELF system or space saving Miniwind®, the MK-35 Make-up Table will complement them all.

The MK-35 Make-up Table enables projectionists to make-up or tear-down a feature in less than an hour. The MK-35 works with either 35mm or 70mm film, providing the flexibility needed for today's applications. Reversible 5/16" or 1/2" shaft connects to any reel.

The MK-35 may be disconnected and moved without interrupting operation. Rollers on the rear legs provide easy portability and save valuable time. With a variable speed control and industrial grade load and brake toggle switches, the MK-35 provides ease of operation in its compact design. The needle-bearing swivel roller can be adjusted to right or left hand operation.

The MK-35 is constructed of heavy-duty durable steel sides with an aluminum top. Rugged yet lightweight, the MK-35 will provide years of service and save you time and money.

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# MK-35 Make-up Table • Specifications

## Weight and Dimensions

- 77 lbs
- 28" W x 64" H x 32" D

## Power Requirements

- 115 VAC, 50/60Hz, 4 amp (drawn from platter system)

## Capacity

- 8000ft of film 35mm
- 5000ft of film 70mm

## Motor

- Permanent magnet, 130 VDC, 1/5hp

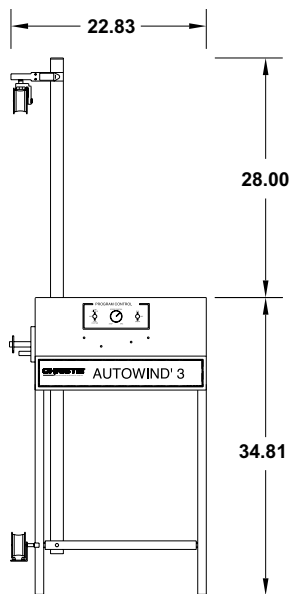
## Speed Control

- SCR drive, 3 amp fuse

## Rollers

- Precision injection molded roller with permanently lubricated Teflon material, high speed with needle bearing

Compatible with all Christie platter systems.



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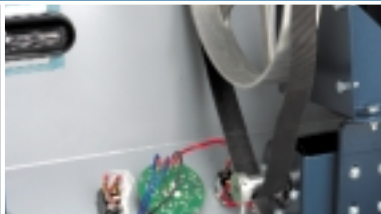
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## FEATURES



- Variable speed control, industrial grade load and brake toggle switches provide ease of operation.



- SCR drive speed control with heavy duty cast aluminum drive wheel and heavy duty drive belt.

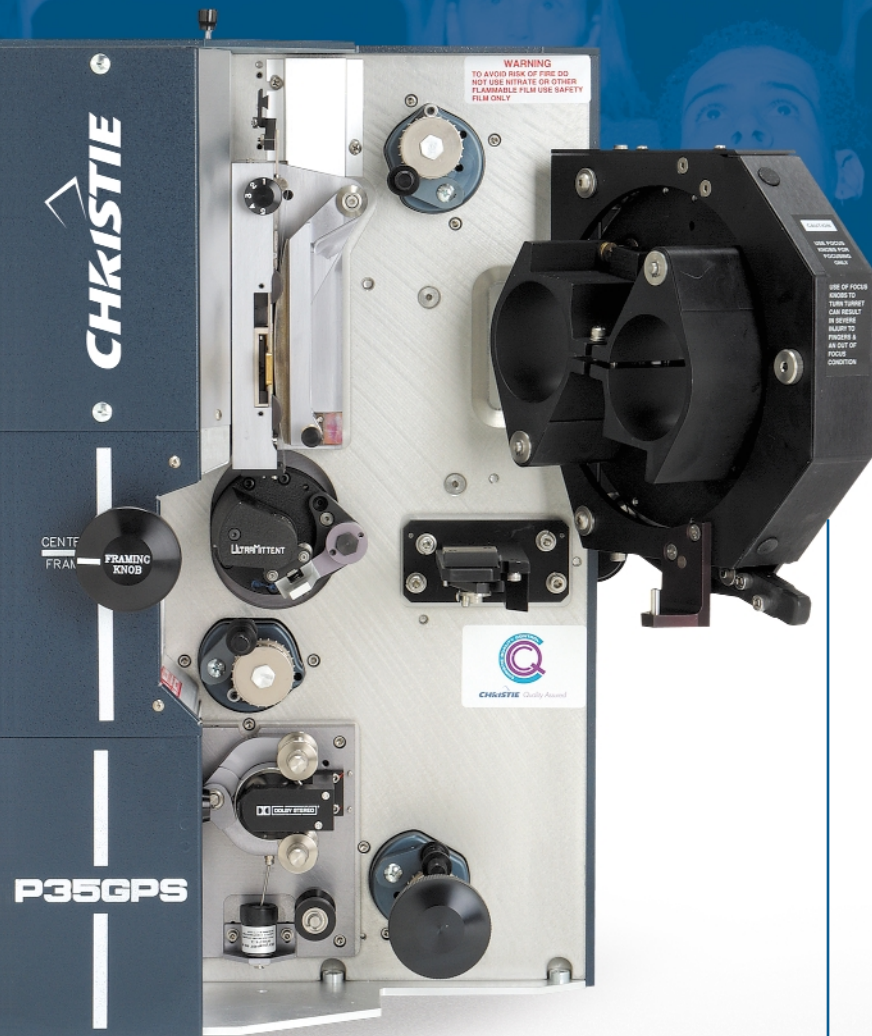


- Precision injection molded roller with permanently lubricated Teflon material and adjustable strap clamp.



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# P35GPS

## 35mm projection designed for performance and reliability

The Christie P35 pioneered the industry as the first completely gearless 35mm projector. The P35GPS continues to provide an easy-to-install combination projector and LED soundhead, with design emphasis on performance and reliability.

Proven innovations on the P35GPS include the ingenious gearless design, completely belt driven to reduce wear and provide a noise-free operation. A timing belt drives the unique single-blade shutter, providing a clear, steady picture. Another industry first is Christie's patented, award winning, sealed Ultramittent. The sealed design allows for consistent lubrication of the star and cam movements while eliminating oil leakage.

Our precision curved trap and gate design accommodates film gently with no misalignment, offering a smooth and steady image. Christie utilizes Delrin™ pad rollers to reduce film shedding and offers anodized steel pulleys, high grade double sealed bearings, and fiber reinforced timing belts for reliable operation.

Standard on all P35GPS projectors, is the heavy-duty synchronous motor, mounted on a swing-out hinge for easy access. The manual turret also swings away, allowing for easier access for threading and cleaning.

Christie's LED soundhead offers dramatic results in every performance category. The reverse scanning system eliminates crosstalk between optical soundtracks, while the high intensity red LED array from Dolby® Labs provides uniform illumination across the entire soundtrack area, reducing level-dependent distortion. Improved stereo imaging, increased dynamic realism, and total elimination of stray light interference combine to reproduce sound with exceptional detail and clarity.

- Optional Auto Turret: The Christie automatic turret and aperture changer adds full automation to the projection booth
- Optional 3-Lens Auto Turret: The 3-lens kit offers all the features of the auto turret, but is capable of handling 3-lens changes
- Optional SRD-Central Pivot Sound Head: Designed for the highest performance reproduction for today's digital soundtracks
- Auxilliary blower for 4000W and greater systems
- Factory pre-wiring for all projectors
- Compatible with most automations

### APPLICATIONS

- Cinema/exhibition
- Post-production/film

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# P35GPS • Specifications

## Dimensions

- 22.62" H x 13.75" W x 21.12" D

## Weight

- P35GPS approx. 100 lbs, with Auto Turret 125 lbs

## Power Requirements

- 105-125 VAC 60Hz 5 amp, 200-240 VAC 50Hz 3 amps

## Drive Train

- 2 phase sync. motor 1/8HP 60Hz 1/10HP 50Hz

## Intermittent

- Patented sealed Ultramittent by Lavezzi

## Pulleys

- Teflon anodized aluminum, and case hardened stainless steel nickel plated

## Bearing

- High-grade double sealed steel bearing with high temperature lubricant

## Belts

- Double sided, fiber reinforced timing belts, inner, outer and shutter

## Shutter

- High efficiency single blade shutter

## Soundhead

- Wide frequency response (16kHz), high intensity red LED array, maintenance free air pot damper system, dynamically balanced flywheel, internally mounted LED power and pre-amp electronics

## Turret Motor

- 24 VDC reduction type

## Aperture Motor

- 24 VDC reduction type

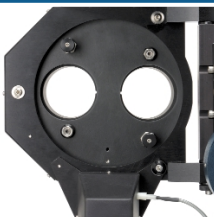
## Cooling

- Forced-air cooling of soundhead and shutter housing; internal fan included

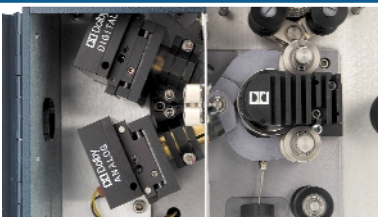
## Performance

- Frequency response: to 16kHz
- Zero crosstalk
- Illumination uniformity: +/- 5 dB
- Wow & flutter: less than .05%
- Visible red LED

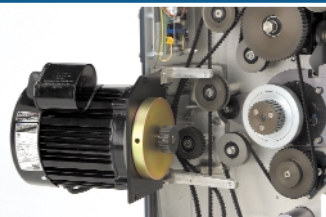
## FEATURES



- Available with manual, auto or 3-lens auto turret.



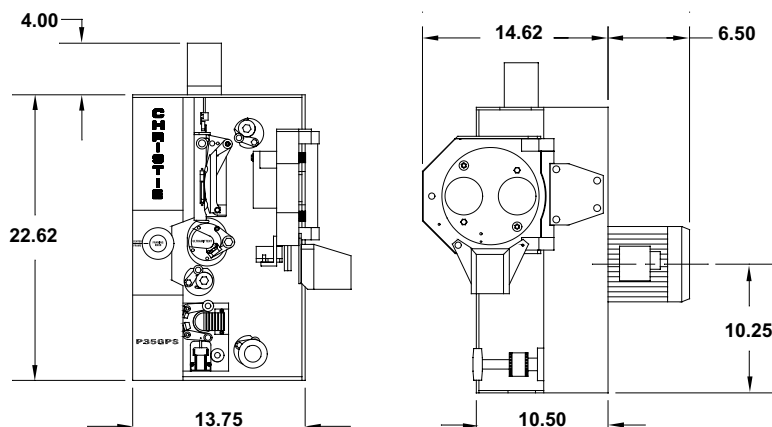
- Designed for the highest performance reproduction for today's digital soundtracks.



- Heavy duty synchronous motor mounts on a swing-out hinge for easy access.

## OPTIONS

- **Auto Turret:** The Christie automatic turret and aperture changer adds full automation to the projection booth. Driven by a heavy-duty reduction motor, it allows for even the heaviest anamorphic lenses to rotate effortlessly. The logic control and aperture are mounted on a PC board in the rear of the projector. A manual jogger switch is also provided for changing formats.
- **3-Lens Auto Turret:** The 3-lens kit offers all the features of the auto turret, but is capable of handling 3-lens changes. This unique turret will rotate in a single slot direction, either clockwise or counter-clockwise. Optical sensors adjust for the lens position.
- **SRD-Central Pivot Soundhead:** Designed for the highest performance reproduction for today's digital soundtracks, Christie's digital basement reader uses dual red LEDs to evenly illuminate both optical and digital soundtracks. The inboard central pivot reader eliminates Airpot problems, features dual lateral guide rollers and an easy threading design. All SRD soundheads are factory pre-aligned and meet or exceed all SMPTE specifications.



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# SLC Xenon Console



Comes standard with manual bulb adjustments offering a choice of the following options:

- Patented automatic bulb focus
- Motorized 3-Axis Bulb Adjustment (MOT)
- Motorized bulb focus only
- 57" sound rack, mounted
- IR filters for 2-7K systems
- Floor mount sound racks
- External exhaust blower

## APPLICATIONS

- Cinema/exhibition

## SLC Xenon Console Maximizes Output from Xenon Lamps

The SLC Console, designed with state of the art innovations and features, has become the standard in the industry. The SLC is engineered to provide high quality, low cost and reliable performance, time and again.

The SLC is designed around a computer generated dichroic coated reflector, which will optimize the output of the Xenon bulb. The SLC Console provides the brightest and most uniform light distribution available today. The revolutionary forced air plenum pressurizes the reflector housing. Increased air pressure is forced out over the Xenon lamp and reflector, allowing for more uniform surface cooling, which extends the lamp life.

Incorporated in the SLC are features not found in any other Xenon system. The patented 3-axis bulb adjustment mechanism operates on special AC gear motors, allowing the operator to precisely align the bulb for maximum output. Once aligned, the motors hold the bulb firmly in place, preventing any vibration or movement.

The SLC is designed as a sturdy platform with a rigid steel reinforced framework that will accommodate the heaviest of projectors. Easy-open lift-off doors provide quick and convenient access to the console whenever maintenance is required.

Christie's SLC Console offers space for standard rack mounting of automations, audio gear, etc. Additionally, the SLC can be fitted with a 19" sound rack mounted to the console and providing 57" of space for a full complement of stereo components.

The SLC Console will provide many years of high performance and service, while minimizing installation and operating expenses.

  
**Project. Present. Perform.**



# SLC Xenon Console • Specifications

## Weight and Dimensions

### SLC 20/30

- 590 lbs
- 42" L x 71" H x 24" W

### SLC 40/45/70

- 660 lbs
- 42" L x 71" H x 24" W

## Power Requirements

### SLC 20/30

- 208/230 VAC
- 60Hz
- 20 amp
- Current range: 65-105

### SLC 40

- 208/230 VAC
- 60Hz
- 27 amp
- Current range: 80-150

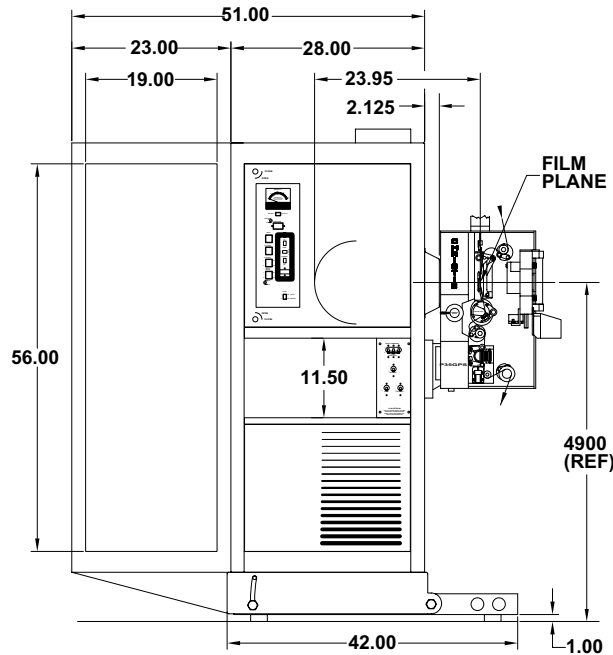
### SLC45/70

- 208/230 VAC
- 60Hz
- 40 amp
- Current range: 110-205

## Also Available As:

- 380/415 VAC, 50/60Hz
- 200 VAC, 50/60Hz

Specify when ordering



Shown with optional soundtrack attached.

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## FEATURES



- 3-axis bulb adjustment mechanism for precision alignment.



- Adjustable output rating, controlled current power supply.



- Easy operation push button control, with digital timer and ammeter.

## COMPANY PROFILE



Space Vision was founded in October 2002 by a team of engineers and businessmen with vast experience in the area of electronics and audiovisual systems. The main goal of the company's founders was the creation of a flexible and dynamic enterprise, which would bring a new era in the field of the audiovisual solutions in Greece.

Since its foundation, our company has established a high reputation over the years, by implementing medium and large-scale projects and has managed to hold one of the highest positions in the area of AudioVisual Integrators in the Greek Market.

The company's activities vary from the trade, installation and engineering of audiovisual systems to the implementation of turnkey projects.

Today, the name of Space Vision stands out in hundreds of high-tech installations in cinemas, studios, classrooms, meeting rooms, auditoriums, convention centers, theaters and museums across a broad spectrum of public and private organizations and agencies all over Greece.



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