

Christie D4K25/D4K35

Amusement parks
Architecture
Auditoriums
Automotive design
Casinos

Museums
Planetariums
Theaters
Visualization



Highest resolution and highest brightness for superior image quality

Today's displays are bigger and brighter than ever, but image quality is more than brightness. Audiences expect precise detail and life-like images that capture their attention and immerse them in the content. For displays that require high brightness, superior color reproduction and consistent long-life reliability Christie® offers you two 4K (4096 x 2160) resolution choices.

The Christie D4K25 and the Christie D4K35, the brightest 4K resolution projectors available, are designed using Christie's 3-chip DLP® platform which offers the widest color gamut for unrivalled color reproduction. Additionally, both models enable the use of different lamp powers depending on your application needs.

The optional Christie Twist™ 4K offers the ability to warp, blend and color match multiple Christie 4K projectors. You can create large, ultra-high resolution canvasses on almost any shape or surface. No need to worry about connecting sources; Christie Twist 4K includes quad DVI inputs which allow for the use of standard 4K sources enabling native content to be displayed right out of the box.

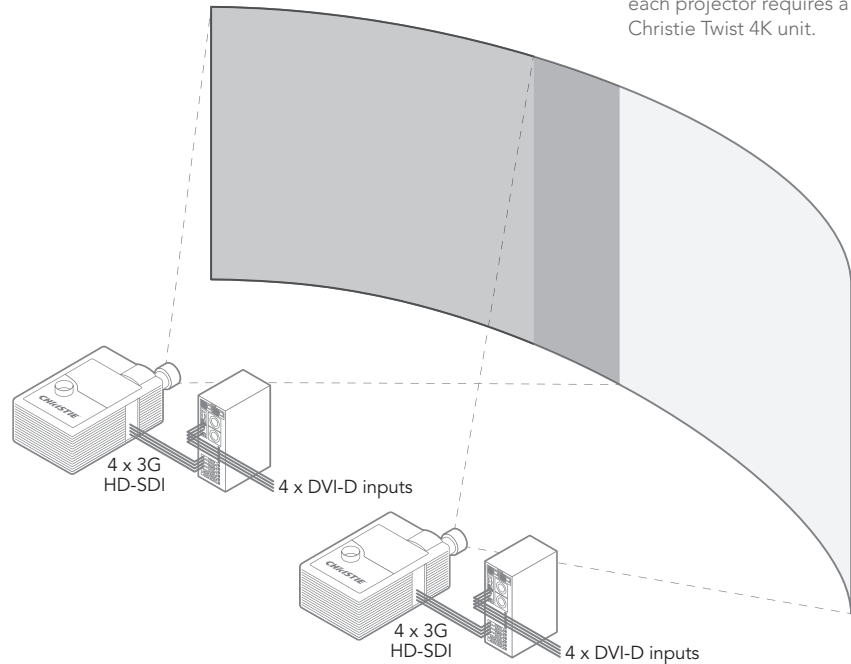
- **4 times the resolution of 2K**
- **3-chip DLP technology for longer life and richer color**
- **High brightness**
- **Project on almost any shape or surface using Christie Twist 4K**
- **Standard 4K DVI sources using Christie Twist 4K**
- **3D capabilities**

CHRISTIE®

		Christie D4K25	Christie D4K35
Image	brightness	<ul style="list-style-type: none"> • 22,500 ANSI (25,000 center) lumens – 3.0kW lamp CDXL-30SD • 16,000 ANSI (18,000 center) lumens – 3.0kW lamp CDXL-30 • 9000 ANSI (10,000 center) lumens – 2.0 kW lamp CDXL-20 	<ul style="list-style-type: none"> • 32,500 ANSI (35,000 center) lumens – 6.0kW lamp CDXL-60 • 27,000 ANSI (29,000 center) lumens – 4.5kW lamp CDXL-45 • 18,000 ANSI (19,500 center) lumens – 3.0kW lamp CDXL-30 • 12,000 ANSI (13,000 center) lumens – 2.0kW lamp CDXL-20
	contrast	• 2000:1 (full on/off)	
Display technology	type	• 3-chip 1.38" DMD™	
	native resolution	• 4K (4096 x 2160)	
Lamp	type	• Xenon bubble ¹	
	estimated life	• 3.0kW lamp CDXL-30SD 1500 hrs • 3.0kW lamp CDXL-30 2500 hrs • 2.0kW lamp CDXL-20 3500 hrs	• 6.0kW lamp CDXL-60 750 hrs • 4.5kW lamp CDXL-45 900 hrs
Input	signals standard	• 2 x 3G HD-SDI on board • 2 x 3G HD-SDI input card • 2 x HDMI 1.3 on board (physical DVI-I connectors)	
	signals 2D	<ul style="list-style-type: none"> • 4K – 24/25/30Hz 4:2:2 10-bit (4 x 1.5G HD-SDI) • 4K – 24/25Hz 4:4:4 12-bit (4 x 3G-SDI) • 4K – 30Hz 4:4:4 12-bit (4 x 3G HD-SDI)² • 4K (3840 x 2160) – 24/25/30Hz 4:4:4 12-bit (4 x 3G-SDI) • 4K (3840 x 2160) – 24/25/30Hz 4:2:2 10-bit (4 x 1.5G HD-SDI) • 2K – 60Hz 4:4:4 8-/10-/12-bit (HDMI) scaled up to 4K • 2K – 30Hz 4:2:2 10-bit (1.5G HD-SDI) scaled up to 4K • 2K – 30Hz 4:4:4 12-bit (3G HD-SDI) scaled up to 4K • 1080p – 50/60Hz 4:2:2 10 bit (3G-SDI) scaled up to 4K • 1080p – 60Hz 4:4:4 8-/10-/12-bit (HDMI) scaled up to 4K 	
	signals 3D – triple flash ²	<ul style="list-style-type: none"> • 2K – 24Hz 4:4:4 12-bit (2 parallel 3G HD-SDI) scaled up to 4K • 2K – 24Hz 4:2:2 10-bit (2 parallel 1.5G HD-SDI) scaled up to 4K • 1080p – 24Hz 4:4:4 8-/10-/12-bit (2 parallel DVI-D) scaled up to 4K 	
	signals 3D – double flash ²	<ul style="list-style-type: none"> • 2K – 24Hz 4:4:4 12-bit (2 parallel 3G HD-SDI) scaled up to 4K • 2K – 24Hz 4:2:2 10-bit (2 parallel 1.5G HD-SDI) scaled up to 4K • 2K – 30Hz 4:4:4 12-bit (2 parallel 3G HD-SDI) scaled up to 4K • 2K – 30Hz 4:2:2 10-bit (2 parallel 1.5G HD-SDI) scaled up to 4K • 1080p - 24/25/30Hz 4:4:4 8-/10-/12-bit (2 parallel DVI-D) scaled up to 4K 	
Inputs/control and networking	input	<ul style="list-style-type: none"> • RS-232 • Ethernet (10/100) RJ45 with ChristieNET™ connectivity • Detachable LCD control module 	
Lens mount	type	• Tool-free lens insertion system • Boresight adjustable	
	motorized	• Horizontal and vertical offset • Focus • Zoom	
Lenses	fixed	• 0.72:1* • 1.0:1**	
	zoom	• 1.13-1.31:1*** • 1.31-1.63:1 • 1.63-2.17:1 • 1.98-2.71:1 • 2.71-3.89:1 • 3.89-5.43:1 • 5.0-7.69:1***	
	offsets	<ul style="list-style-type: none"> • All lenses ±13% Vertical ±4% Horizontal except those noted below *No offset **1.0:1 fixed lens ±29% Vertical ±9% *** 1.13-1.31:1 and 5.0-7.69:1 zoom lenses ±56% Vertical ±19% 	
Accessories	standard	<ul style="list-style-type: none"> • Detachable LCD control module • AC line cord for projector head • CDXL-30SD lamp 	<ul style="list-style-type: none"> • Detached 7kW low-ripple switch mode lamp ballast (required to operate projector) • CDXL-60 lamp
	optional	<ul style="list-style-type: none"> • CDXL-20 lamp • CDXL-30 lamp • Heat extraction fan kit (required when operating projector) • Rack mount pedestal • Replacement air filter for light engine • Replacement air filter for liquid cooling radiator • Lamp adapter kit for CDXL-20 • Christie Twist 4K 	<ul style="list-style-type: none"> • CDXL-20 lamp • CDXL-30 lamp • CDXL-45 lamp
Power requirements	projector head	<ul style="list-style-type: none"> • Operating voltage: Single phase 200-240 VAC @ 50/60Hz • Operating current: 23A max @ 200V 	<ul style="list-style-type: none"> • Operating current: 7A max @ 200V
	ballast	• Integrated ballast and projector head	<ul style="list-style-type: none"> • Type: Detached 7kW low-ripple switch mode lamp ballast • Operating voltage: 3-phase 200-230 VAC @ 50/60Hz • Operating current: 38A per phase max • Operating voltage: 3-phase 380-415 VAC @ 50/60Hz • Operating current: 26A per phase max
Dimensions	size	• Projector head (LxWxH): 51.1 x 25.5 x 19.0" (1299 x 648 x 480mm) with lens cover	<ul style="list-style-type: none"> • Projector head (LxWxH): 52.3 x 25.5 x 19" (1329.5 x 648 x 483mm) • Ballast (LxWxH): 21 x 18 x 21" (533 x 457 x 533mm)
	shipping size	• Projector head (LxWxH): 60.4 x 36 x 28.5" (1535 x 914 x 724mm) with lens cover	<ul style="list-style-type: none"> • Projector head (LxWxH): 60.4 x 36 x 28.5" (1535 x 914 x 724mm) • Ballast (LxWxH): 28 x 25 x 31.5" (710 x 635 x 800mm)
	weight	• Projector head 251lbs (114 kg)	• Projector head 251lbs (114kg) • Ballast 89lbs (40.5kg)
	shipping weight	• Projector head 322lbs (146 kg)	• Projector head 322lbs (146kg) • Ballast 135lbs (62kg)
Operating environment	• Operating temperature: 50-95°F (10-35°C) • Humidity (non-condensing): 20-80%		
Regulatory approvals	<p>This product conforms to the following regulations related to product safety, environmental requirements and electromagnetic compatibility (EMC):</p> <ul style="list-style-type: none"> • Directives: (EC) 2002/95/EC (RoHS) • 2002/96/EC (WEEE) • Regulations: (EC) No. 1907/2006 (REACH) • CAN/CSA C22.2 No. 60950-1 • UL 60950-1 • IEC 60950-1 • FCC, Part 15, Subpart B, Class A • EN55022/CISPR22 Class A • EN55024/CISPR24 • Certifications marks (check with Christie for latest update): cULus (Canada & US), CE (EU), CCC (China), GoS-TR (Russia), KC (Korea), PSE (Japan), C-Tick (Australia & New Zealand), South Africa 		
Limited warranty	• Three years parts and labor (including light engine) • Contact an authorized Christie representative for full details of our limited warranty		



- ▼ To create multi-projector blended and/or warped displays, each projector requires a single Christie Twist 4K unit.



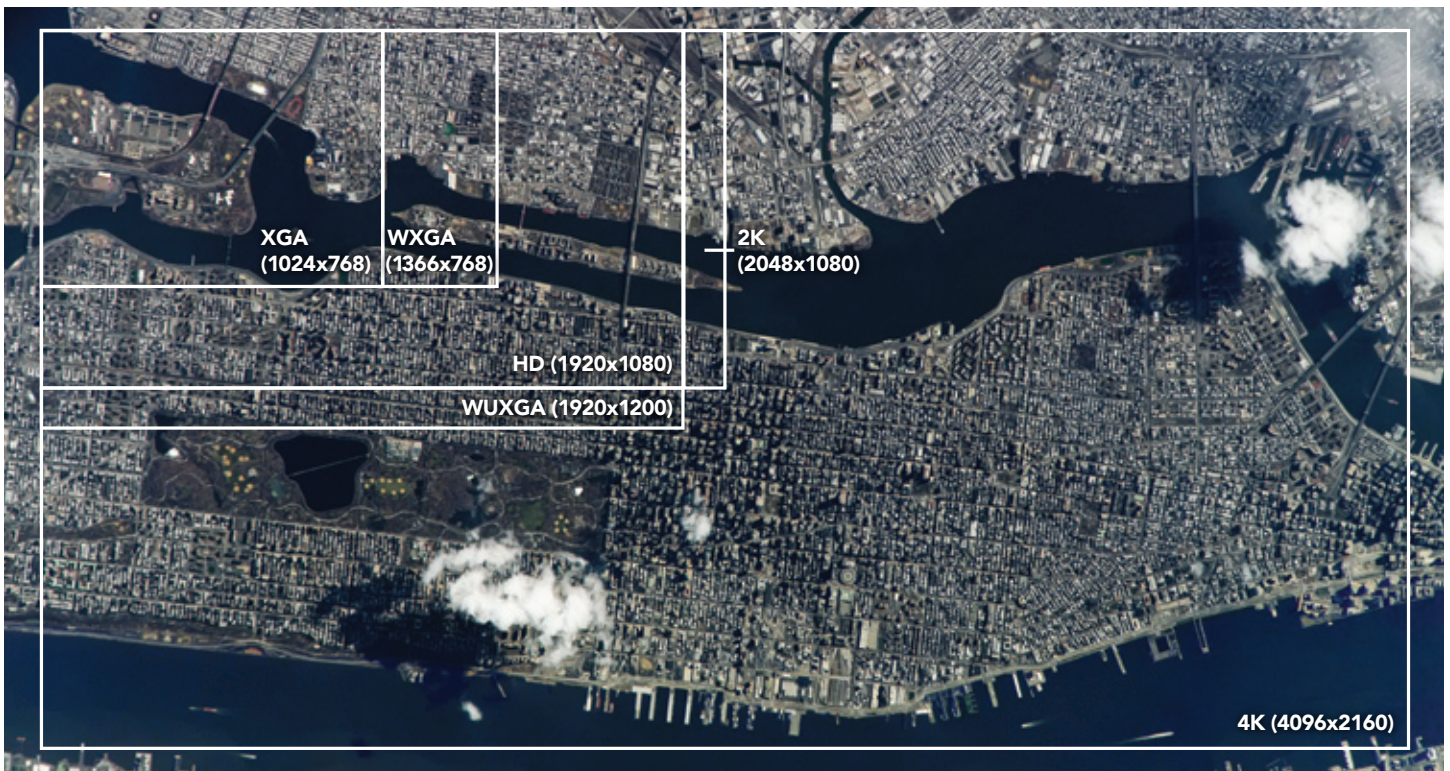
Christie Twist 4K

Christie Twist 4K warps, blends and color matches multiple 4K projectors to create ultra-high resolution displays. This powerful tool allows images to be configured to fit almost any surface shape while providing color consistency for a more uniform tiled image across the entire display.



- ▼ Includes quad DVI-D inputs which allow for the use of standard 4K sources.

Christie Twist 4K		
Signals	inputs	<ul style="list-style-type: none"> • 4 x DVI-D at 23.98, 24, 25, 29.97 or 30Hz • Full 4K (4096 x 2160): 4 x 2048 x 1080 quadrants • 2 x 2048 x 2160 split screen halves • Quad HD (3840 x 2160): 4 x 1920 x 1080 quadrants • 2 x 1920 x 2160 split screen halves
	outputs	• 4 x 3G HD-SDI • Full 4K (4096 x 2160): 4 x 2048 x 1080 quadrants • Output frame rate matches incoming frame rate
Power requirements	operating voltage	• 110V - 240VAC
	typical power consumption:	• 348W
	operating current	• Maximum chassis rating: 13.5A @ 100V, 7.0A @ 240V
	dissipation	• 1187 BTU/hr
	operating temperature	• 50-95°F (10-35°C)
Dimensions	humidity	• 8-90% non condensing
	size	• 4 RU (LxWxH): 26.5 x 17.8 x 7" (673 x 452 x 178mm)
	weight	• 75lbs (34.0kg)
	shipping size	• (LxWxH): 38.6 x 26.6 x 17.4" (980 x 676 x 442mm)
shipping weight	• 85lbs (38.6kg)	
Enhanced feature set	• Ships standard with rack mount kit	
Regulatory approvals	This product conforms to the following regulations related to product safety, environmental requirements and electromagnetic compatibility (EMC): <ul style="list-style-type: none"> • Directives: (EC) 2002/95/EC (RoHS) • 2002/96/EC (WEEE) • Regulations: (EC) No. 1907/2006 (REACH) • CAN/CSA C22.2 No. 60950-1 • UL 60950-1 • IEC 60950-1 • FCC, Part 15, Subpart B, Class A • EN55022/CISPR22 Class A • EN55024/CISPR24 • Certifications marks (check with Christie for latest update): cULus (Canada & US), CE (EU), CCC (China), GoST-R (Russia), KC (Korea), PSE (Japan), C-Tick (Australia & New Zealand), South Africa 	
Limited warranty	• Two years parts and labor • Contact an authorized Christie representative for full details of our limited warranty	



▲ Native 4K resolution ensures maximum impact for large-sized applications



▲ Easy-to-use, detachable LCD control module



▲ Easy access to electronics, inputs and control

Miscellaneous	Part number
7kW switching ballast ¹ (Christie D4K35 only)	129-003104-XX
Christie Twist 4K	141-001102-XX
Extraction fan kit ¹	38-814008-XX
Lamp adapter kit for CDXL-20	003-001728-XX
Rack mount pedestal	108-416102-XX
Replacement air filter for light engine	003-001184-XX
Replacement air filter for liquid cooling radiator	003-003082-XX

Lenses	Part number
0.8:1 Lens (2K) / 0.72:1 (4K)	113-104106-XX
1.1:1 Lens (2K) / 1.0:1 (4K)	38-809071-XX
1.25-1.45:1 Lens (2K) / 1.13-1.31:1 (4K)	129-104106-XX
1.45-1.8:1 Lens (2K) / 1.31-1.63:1 (4K)	129-105107-XX
1.8-2.4:1 Lens (2K) / 1.63-2.17:1 (4K)	129-106108-XX
2.2-3.0:1 Lens (2K) / 1.98-2.71:1 (4K)	129-107109-XX
3.0-4.3:1 Lens (2K) / 2.71-3.89:1 (4K)	129-108100-XX
4.3-6.0:1 Lens (2K) / 3.89-5.43:1 (4K)	129-109101-XX
5.5-8.5:1 Lens (2K) / 5.0-7.69:1 (4K)	129-110103-XX

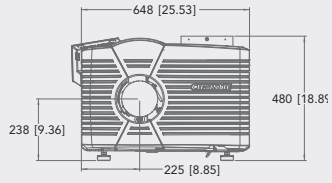


Lamps	Part number
CDXL-20 lamp	003-000598-XX
CDXL-30 lamp	003-000599-XX
CDXL-30SD lamp ²	003-001165-XX
CDXL-45 lamp ³	003-000600-XX
CDXL-60 lamp ³	003-000601-XX

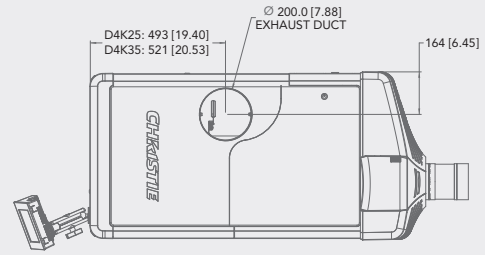
◀ Choose lamp power according to your application needs

¹ Required when operating projector. ² Compatible with Christie D4K25 only. ³ Compatible with Christie D4K35 only.

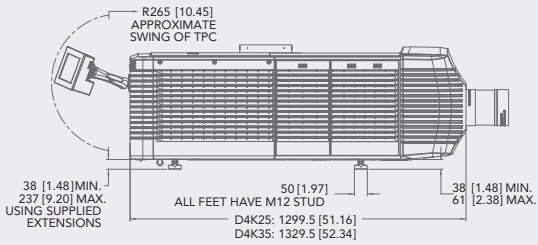
Front view



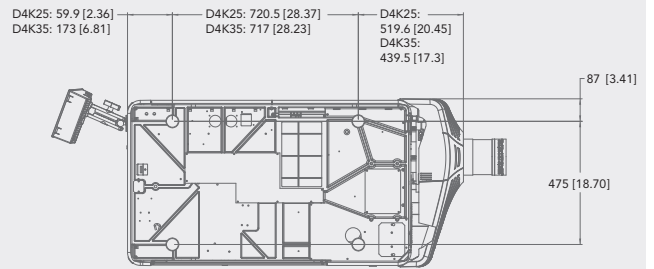
Top view



Side view

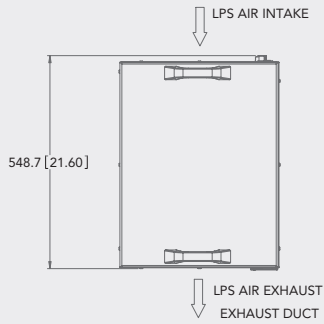


Bottom view

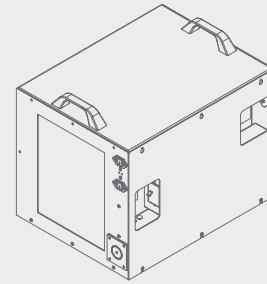


Ballast (Christie D4K35 only)

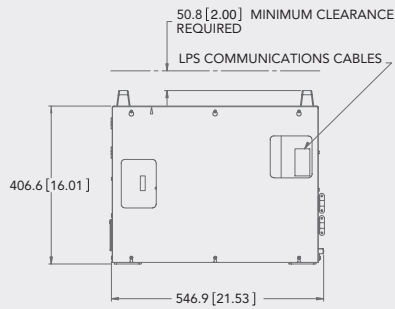
Top view



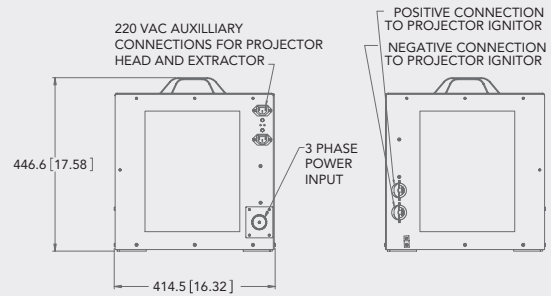
Angled view



Side view



Front and back views



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ISO 9001
ISO 14001

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