



**PHILIPS**

Special Lighting

Digital Cinema  
Xenon lamps

# Expertise and **support**

Creating a captivating cinematic experience demands high quality lamps for your projection equipment. At Philips we promise you more behind every lamp.

# With you **wherever** **you** are

As supplier to many of the leading cinema exhibitors in the world, we've immersed ourselves in the world of cinema. Our Philips Cinema Xenon lamps are precision engineered to meet demanding projection requirements. But it's what's behind them that makes a world of difference. Our global network of cinema lighting specialists are on hand to offer personal support whenever and wherever you need it. From TCO checks and online comparisons to professional training and lamp installation techniques.



> To find out more call our toll-free customer service number in the US:  
**1-877-977-0755**  
between 9.00 - 17.00 hours PST.  
Alternatively you can find the details of your local representative at:  
[www.philips.com/cinematlamps](http://www.philips.com/cinematlamps)





“

The key to our success is to partner with companies who are proactive rather than reactive. We appreciate the support we get from Philips and **consider them a valuable partner.**”

Dan Huerta, Vice President at AMC Theatres

Special Lighting

Digital Cinema  
Xenon lamps

# Expertise **whenever** **you** need it

Philips has been at the forefront of the lighting industry since 1891. With more than 120 years of experience, we understand just how important customer service is in the cinema industry. It's the reason we go out of our way to provide a network of support designed around your individual needs.

#### **Our people make the difference**

The secret behind our outstanding reputation is our people. We have a dedicated group of well-trained sales, service and technical staff that are passionate about providing the best service in the industry. And because the show must go on, wherever you are in the world, you can expect a fast response to any sales or service query - whatever the time of day or night.

#### **Manufacturing excellence**

All Cinema Xenon lamps are manufactured by a team of experienced lighting specialists in our dedicated factory in Los Angeles. We use only the latest manufacturing equipment and carry out thorough testing to ensure that every Cinema Xenon lamp meets the stringent standards

of the Cinema industry – and the high expectations of your guests.

#### **Fast and reliable support**

Orders are manufactured and delivered quickly and efficiently. And because of our powerful forecasting systems, we can calculate demand six months in advance. With our multiple stock locations all around the world we can make immediate shipments if required. So you can be sure you'll have the lamp you need, exactly when you need it. Moreover, we're flexible too. If you need a particular lamp urgently, we can dispatch it the same working day. You can also trust us to provide professional training and full technical support to ensure your lamps maintain the right light levels over the lifetime of their warranty.

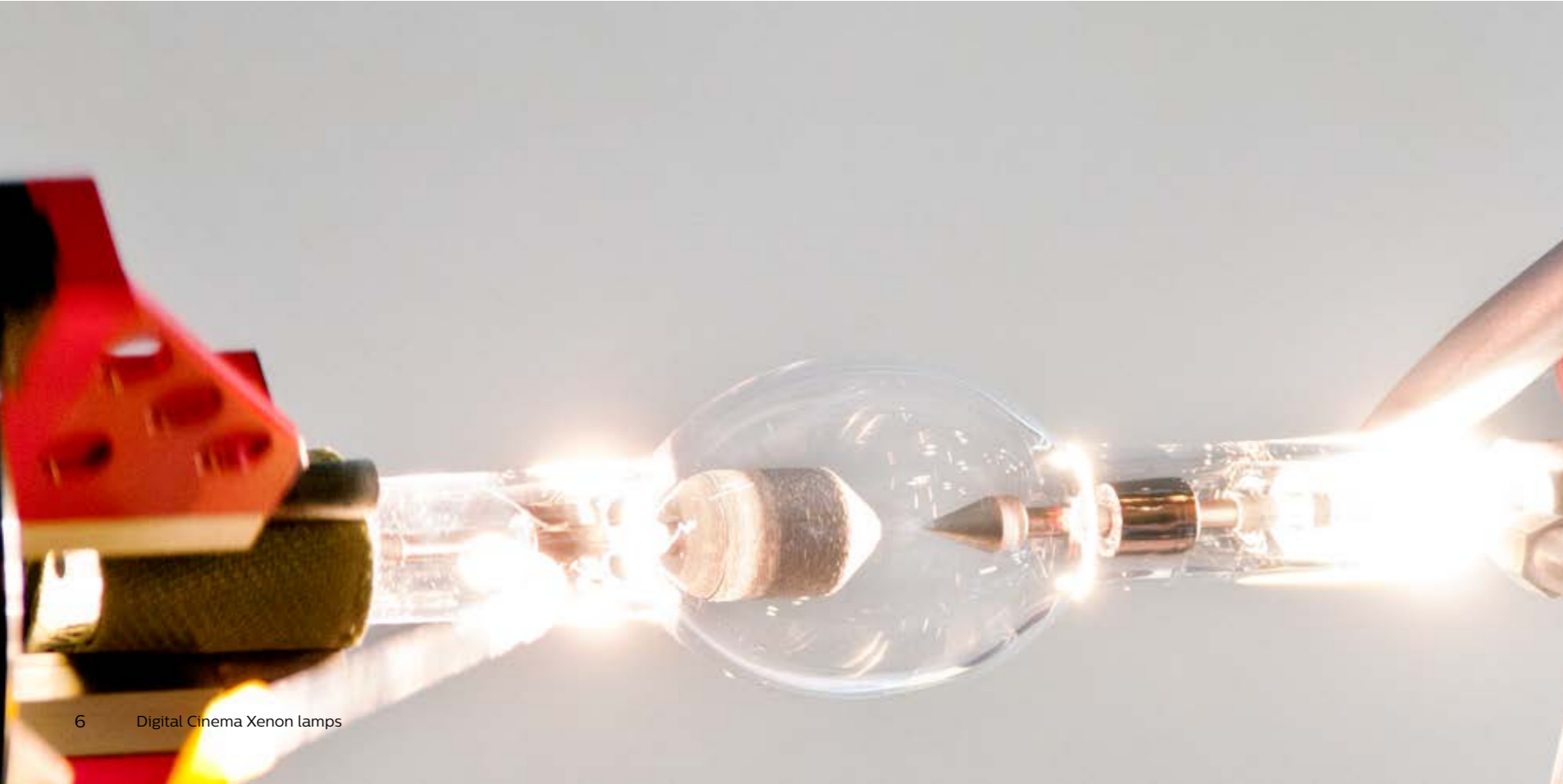
# Designed for cinemas

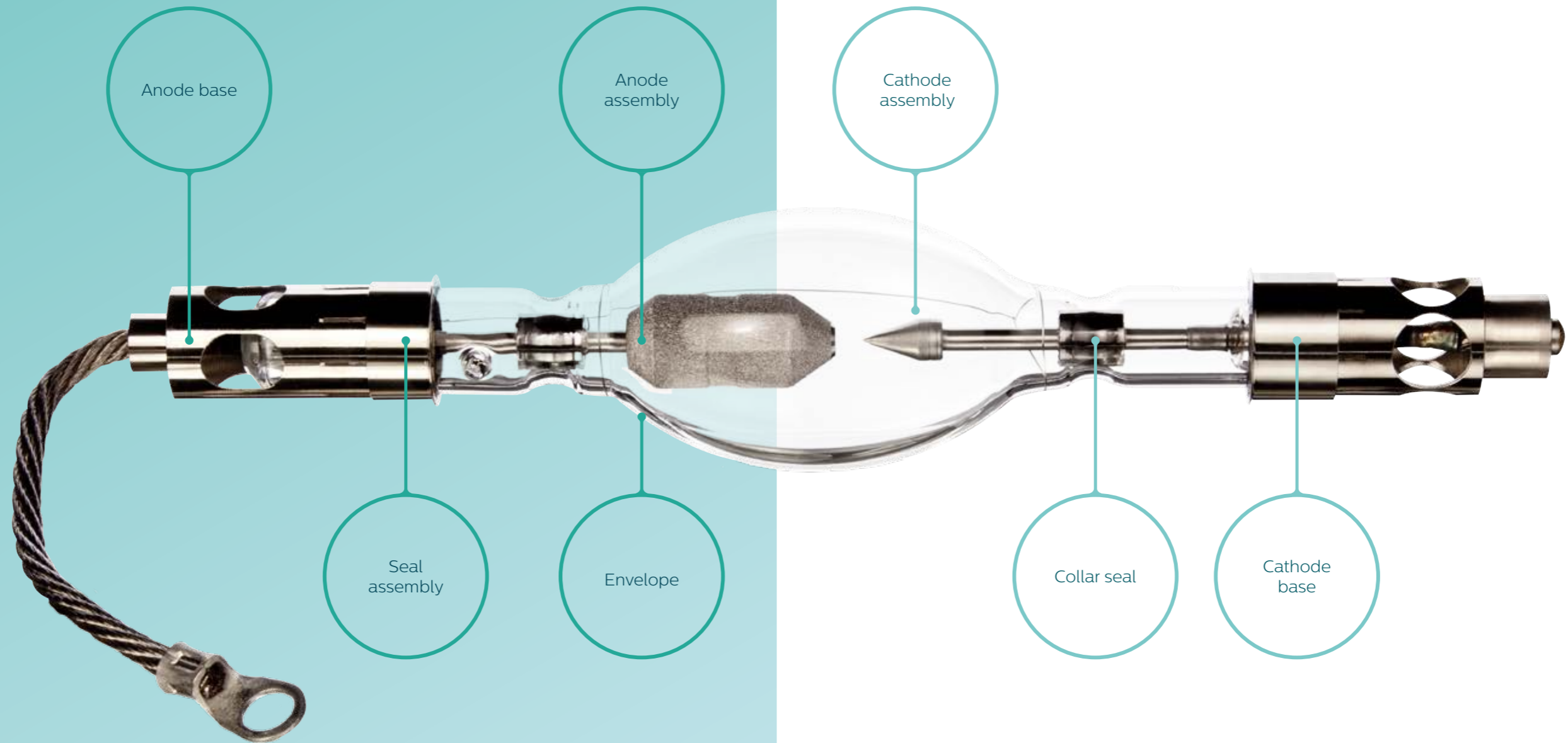
Philips Cinema Xenon lamps are high power, short arc discharge lamps designed specifically for cinema projection. The arc is formed in an atmosphere of pure Xenon gas. It creates a broad spectrum white light with outstanding color rendering for a brilliant and vivid theatre experience. So you can bring movies to life to delight, amaze and fascinate your audience.



## A world of expertise

Behind every Philips lamp is a world of expertise. Extensive training and certification is required before an operator can produce digital cinema lamps. At our dedicated factory, we employ highly qualified experts to produce all our short arc digital lamps. Together with the talented glass manufacturing and engineering specialists in our other divisions, it means that our lamps are made to exceptional standards of quality.





### Precision engineering

Philips Cinema Xenon lamps are US-made with the utmost precision, using the latest technologies and techniques. From the electrodes and connectors to clever sealing technologies. Each lamp is individually tested to check that it ignites properly and that its electrical characteristics meet the right specifications.

We also employ the latest vision systems to ensure that our operators are satisfied that they have complete uniformity. Finally, 100% inspections are built into the manufacturing process at multiple stages to ensure every lamp is of the highest quality before it is released.

### Worldwide approval

Philips Cinema Xenon lamps have been specially designed to provide the optimum performance from today's digital projection equipment. All our lamps are certified and approved for use in Barco, NEC and Sony projectors.



# A perfect match

The Philips Digital range is the ultimate choice for digital cinema projectors. Each lamp is customized by projector model to provide the extra light output needed for 3D presentations. Our extensive digital lamp range allows to minimize Total Cost of Ownership, no matter which projector, screen or film format (2D or 3D) is chosen.

## Features

- › Customized by projector model
- › Advanced electrode design
- › High light output

## Benefits

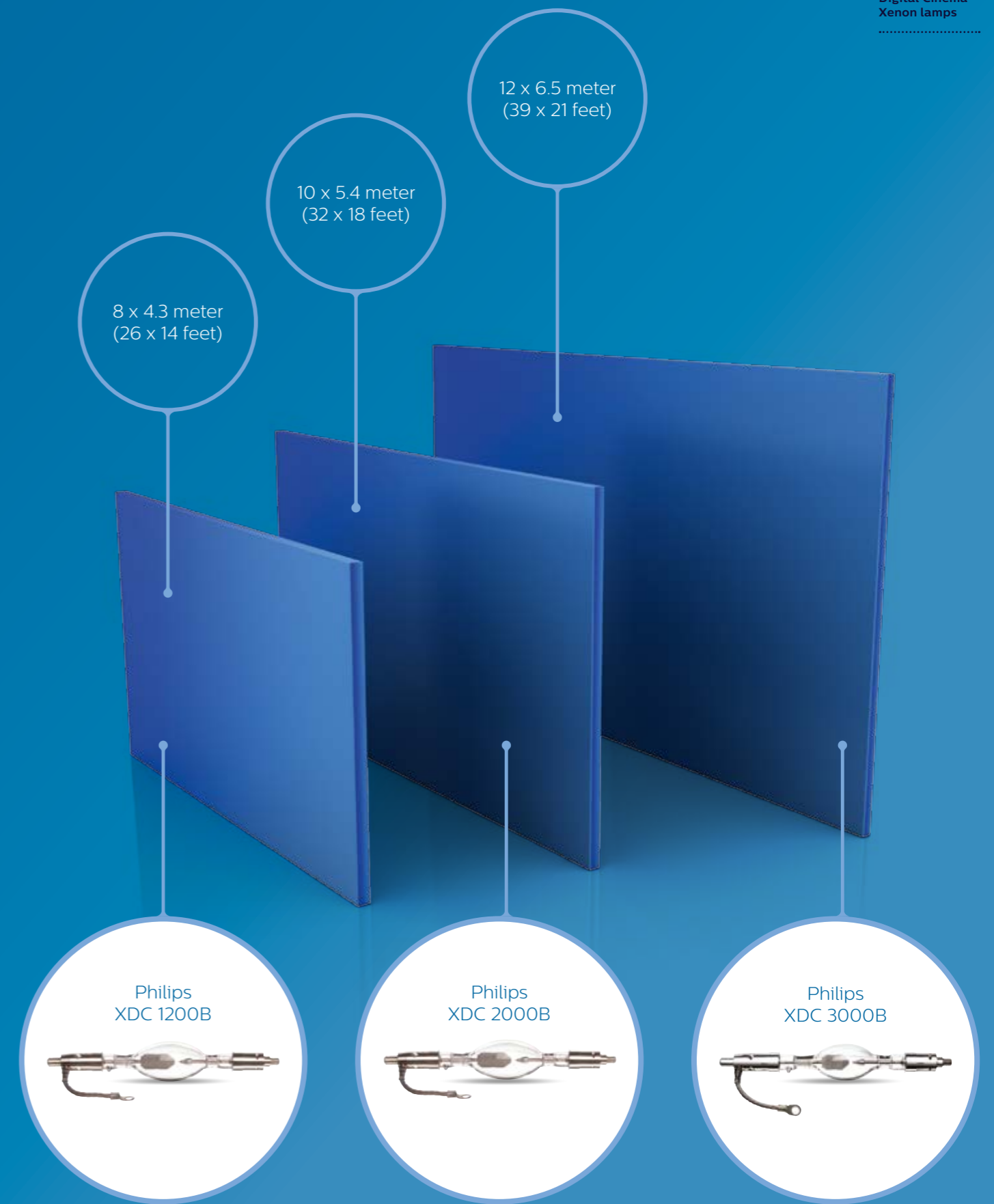
- › Optimum projector performance
- › Long life and high arc stability
- › High brightness on the screen



# Find your perfect match **online**

When we recommend a particular lamp, we always use the Digital Cinema Initiatives (DCI) brightness requirements as our starting point: 4.5 Ft/Lambert for 3D screens and 14 Ft/Lambert for 2D screens. This will enable you to project the movie just as the makers intended, with the perfect light levels needed to create the right visual impact.

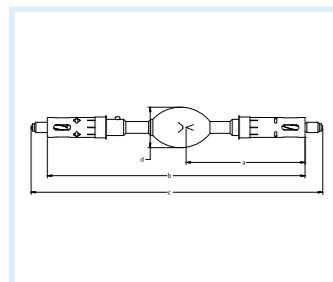
Our online lamp selector tool is the simple way to find exactly the right lamp to match your needs. It shows you which Philips Digital Cinema Xenon lamp best fits your screen and provides the lowest Total Cost of Ownership while meeting the DCI brightness requirements. Specific parameters are taken into account including projector brand and model, screen width, film format, 3D system type, screen type, mask type and screen gain. To find your perfect match go to [www.philips.com/cinemat lamps](http://www.philips.com/cinemat lamps) and see what Philips offers behind every Cinema lamp!



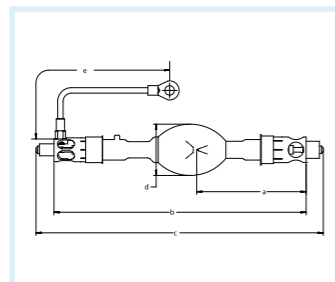
Perfect match: example for a Barco projector used on flat 2D screens of different sizes, with side mask and 1.0 screen gain.

# Philips Digital Xenon lamps

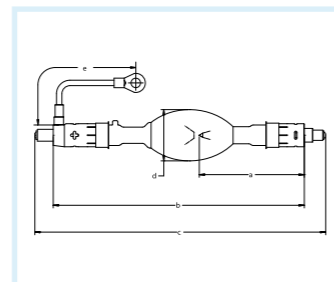
Product	Power (W)	Voltage (V)	Current (A)	Min/Max (A)	Cooling (m/s)	Burning position	Warranty 100% (h)	Ordering code
Philips XDC 1200B	1200	20	60	40/60	7	±15 deg	3000	9284 185 06301
Philips XDC 2000B	2000	25	80	60/85	7	±15 deg	2400	9284 153 06301
Philips XDC 2200B	2200	27	83	60/83	7	±15 deg	1500	9284 184 06301
Philips XDC 3000B	3000	30	90	60/100	7	±15 deg	1500	9284 152 06301
Philips XDC 3001B	3000	29	110	65/120	7	±15 deg	1500	9284 178 06301
Philips XDC 4000B	4000	33	120	100/130	7	±15 deg	1000	9284 170 06301
Philips XDC 4500B	4500	30	145	80/150	7	±15 deg	1000	9284 177 06301
Philips XDC 6000B	6000	35	170	140/175	7	±15 deg	600	9284 176 06301
Philips XDC 6500B	6500	38	170	140/175	7	±15 deg	500	9284 150 06301
Philips XDC 6500BI <b>NEW!</b>	6500	38	170	105/175	7	±15 deg	500	9284 186 06301
Philips XDC 6501B <b>NEW!</b>	6500	40	162	38/163	7	±15 deg	600	9284 187 06301
Philips XDC 2000C	2000	25	80	50/90	7	±30 deg	2400	9284 133 06301
Philips XDC 2001C <b>NEW!</b>	2000	26.5	75	53-77	7	±5 deg	1100	9284 189 06301
Philips XDC 3000C	3000	29	110	90/120	7	±20 deg	1500	9284 117 06201
Philips XDC 3001C	3000	30	100	93-107	7	±5 deg	1000	9284 183 06301
Philips XDC 4500C	4500	33	140	120/160	7	±15 deg	1000	9284 153 06201
Philips XDC 6000C	6000	40	155	110/160	7	±15 deg	600	9284 167 06201
Philips XDC 2000N <b>NEW!</b>	2000	25	80	55-85	7	±5 deg	2400	9284 188 06301
Philips XDC 4000N	4000	32	125	105/135	7	±15 deg	650	9284 154 06301
Philips XDC 4001N	4000	32	125	100/135	7	±15 deg	1500	9284 155 06301
Philips XDC 4002N	4000	33	125	100/135	7	±15 deg	1000	9284 180 06301
Philips XDC 4500N	4500	33	140	100/150	7	±15 deg	900	9284 154 06201
Philips XDC 6000N	6000	40	155	110/160	7	±15 deg	600	9284 168 06201
Philips XDC 2000NH	2000	24	80	50/85	7	±15 deg	1800	9284 164 06301
Philips XDC 3000NH	3000	29	100	60/110	7	±15 deg	1200	9284 165 06301
Philips XDC 4200NH	4200	29	140	80/160	7	±15 deg	700	9284 166 06301
Philips XDC 2000S	2000	25	80	60/95	7	±15 deg	2400	9284 134 06301
Philips XDC 3000S	3000	28	100	80/115	7	±15 deg	1000	9284 118 06201
Philips XDC 4200S	4200	31	135	80/148	7	±15 deg	600	9284 146 06201
Philips XDC 4200SL	4200	32	132	80/148	7	±15 deg	850	9284 175 06301
Philips XDC 3000TA	3000	29	110	65/120	7	±15 deg	1500	9284 158 06301
Philips XDC 4500TA	4500	30	145	80/150	7	±15 deg	1000	9284 159 06301
Philips XDC 6000TA	6000	35	170	140/175	7	±15 deg	600	9284 149 06301
Philips XDC 6500TA	6500	38	170	140/175	7	±15 deg	500	9284 146 06301



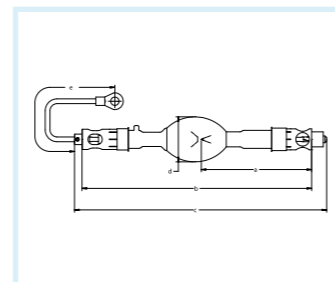
All C lamps



All S lamps

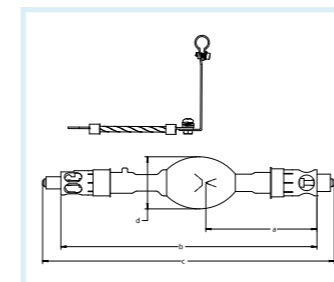


Philips XDC 3000B / XDC 4000B

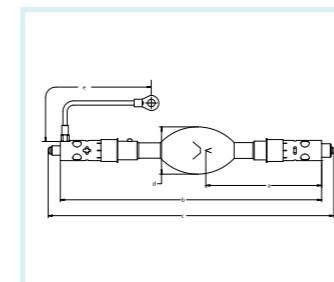


Philips XDC 2000N / XDC 4000N / XDC 4001N / XDC 4002N / XDC 2000NH / XDC 3000NH

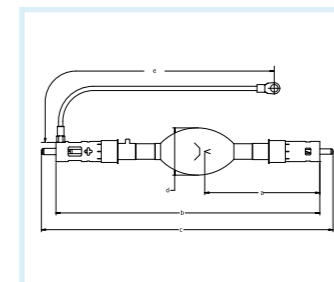
Product	Length					Diameter			Arc/gap (mm)
	A Distance (mm)	B Length max (mm)	C Length max (mm)	D Diameter (mm)	E Lead Length (mm)	F Anode/Cathode Base Diameter (mm)	G Anode pin diameter (mm)	H Cathode pin dia or thread type (mm)	
Philips XDC 1200B	123	294	343	46	132	27	13.9	M12 x 1.75	4.7
Philips XDC 2000B	123	294	341	55	140	27	13.9	M12 x 1.75	4.6
Philips XDC 2200B	123	294	341	55	132	27	13.9	M12 x 1.75	4.3
Philips XDC 3000B	123	294	341	55	132	27	13.9	M12 x 1.75	4.4
Philips XDC 3001B	145	302	342	55	153	27	9.4	7.8	5
Philips XDC 4000B	123	294	341	60	132	27	13.9	M12 x 1.75	6.1
Philips XDC 4500B	171	370	410	60	153	30	9.4	7.9	6.0
Philips XDC 6000B	170.5	391	433	70	153	30	9.4	7.9	7
Philips XDC 6500B	170.5	391	433	70	152	30	9.4	7.9	7.5
Philips XDC 6500BI <b>NEW!</b>	170.5	391	433	70	152	30	9.4	7.9	7.5
Philips XDC 6501B <b>NEW!</b>	158.5	375.5	413	70	152	30	8.6	M14 x 1.50	8.6
Philips XDC 2000C	161.5	350	403	55	-	27	14	M14 x 1.50	4.4
Philips XDC 2001C <b>NEW!</b>	100	206	210	43	135	30	N/A	M10 x 1.50	4.1
Philips XDC 3000C	161.5	350	403	60	-	28	14	M14 x 1.50	5.5
Philips XDC 3001C	135	292	333	60	-	30	11.5	M14 x 1.50	5.0
Philips XDC 4500C	165.5	381	417	70	-	30	14	M14 x 1.50	6.0
Philips XDC 6000C	165.5	381	417	70	-	30	14	M14 x 1.50	8.0
Philips XDC 2000N <b>NEW!</b>	144	306	336	60	160	27/28	14	20	4.2
Philips XDC 4000N	144	306	336	60	160	28/27	14	20	4.9
Philips XDC 4001N	144	306	336	60	160	27	14	20	6.8
Philips XDC 4002N	144	306	336	60	160	27/28	14	20	6.1
Philips XDC 4500N	171.5	387	425	70	220	30	14	20	6.0
Philips XDC 6000N	171.5	387	425	70	220	30	14	20	7.5
Philips XDC 2000NH	144	306	336	46	160	28/27	14	20	4.9
Philips XDC 3000NH	144	306	336	52	160	28/27	14	20	6.0
Philips XDC 4200NH	171.5	387	425	62	220	30	14	20	7.0
Philips XDC 2000S	128	295	336	60	203	28/30	14	20	3.9
Philips XDC 3000S	128	295	336	60	203	28/30	14	20	4.1
Philips XDC 4200S	128	295	332	60	-	28/30	14	20	4.2
Philips XDC 4200SL	128	295	332	60	-	28/30	14	20	5.0
Philips XDC 3000TA	145	302	342	55	400	27	9.4	7.8	5.0
Philips XDC 4500TA	171	370	410	60	400	30	9.4	7.9	6.0
Philips XDC 6000TA	170.5	391	433	70	400	30	9.4	7.9	7.0
Philips XDC 6500TA	170.5	391	433	70	400	30	9.4	7.9	7.5



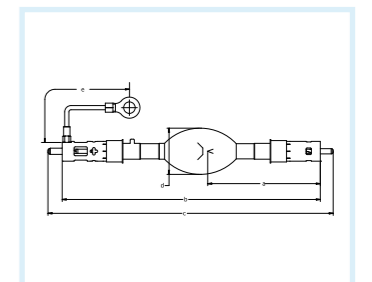
Philips XDC 4200S / XDC 4200SL



Philips 4500N / 6000N / 4200NH



All TA lamps



Philips XDC 3001B / XDC 4500B / XDC 6000B / XDC 6500B / XDC 6500BI



# Warranty

Philips Cinema Xenon lamps are fully covered during the warranty period. To find out more about our warranty cover and procedures, please contact your local Philips cinema representative.

Lamp Model Number	Warranty Hours	Lamp Model Number	Warranty Hours
Philips XDC 1200B	3000	Philips XDC 2000N <b>NEW!</b>	2400
Philips XDC 2000B	2400	Philips XDC 4000N	650
Philips XDC 2200B	1500	Philips XDC 4001N	1500
Philips XDC 3000B	1500	Philips XDC 4002N	1000
Philips XDC 3001B	1500	Philips XDC 4500N	900
Philips XDC 4000B	1000	Philips XDC 6000N	600
Philips XDC 4500B	1000	Philips XDC 2000NH	1800
Philips XDC 6000B	600	Philips XDC 3000NH	1200
Philips XDC 6500B	500	Philips XDC 4200NH	700
Philips XDC 6501B <b>NEW!</b>	600	Philips XDC 2000S	2400
Philips XDC 6500BI <b>NEW!</b>	500	Philips XDC 3000S	1000
Philips XDC 2000C	2400	Philips XDC 4200S	600
Philips XDC 2001C <b>NEW!</b>	1100	Philips XDC 4200SL	850
Philips XDC 3000C	1500	Philips XDC 3000TA	1500
Philips XDC 3001C	1000	Philips XDC 4500TA	1000
Philips XDC 4500C	1000	Philips XDC 6000TA	600
Philips XDC 6000C	600	Philips XDC 6500TA	500

# Cross reference list

Philips lamp types		Barco projector models															
Ordering code	Product description	DP2K-85x	DP2K-105x	DP2K-12C	DP2K-15C	DP2K-19B	DP2K-20C	DP2K-23B	DP4K-23B	DP2K-32B	DP4K-32B	DP-90	DP-100	DP-1200	DP-1500	DP-2000	DP-3000
928418506301	Philips XDC 1200B	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓	✓	
928415306301	Philips XDC 2000B		✓	✓	✓	✓	✓	✓	✓						✓	✓	
928418406301	Philips XDC 2200B		✓														
928415206301	Philips XDC 3000B				✓	✓	✓	✓	✓						✓	✓	
928417006301	Philips XDC 4000B						✓	✓	✓							✓	
928417806301	Philips XDC 3001B									✓	✓	✓	✓				✓
928417706301	Philips XDC 4500B									✓	✓	✓	✓				✓
928417606301	Philips XDC 6000B									✓	✓	✓	✓				✓
928415006301	Philips XDC 6500B									✓	✓	✓	✓				✓
928418706301	<b>NEW!</b> Philips XDC 6501B									✓	✓	✓	✓				✓

Philips lamp types		NEC projector models					
Ordering code	Product description	NC1200C	NC1600C	NC2000C	NC2500S	NC3200S	NC3240S
928416406301	Philips XDC 2000NH	✓	✓	✓			
928416506301	Philips XDC 3000NH		✓	✓			
928418806301	<b>NEW!</b> Philips XDC 2000N	✓	✓	✓			
928415406301	Philips XDC 4000N		✓	✓			
928415506301	Philips XDC 4001N		✓	✓			
928418006301	Philips XDC 4002N		✓	✓			
928416606301	Philips XDC 4200NH				✓	✓	✓
928415406201	Philips XDC 4500N				✓	✓	✓
928416806201	Philips XDC 6000N				✓	✓	✓

Philips lamp types		Sony projector models	
Ordering code	Product description	SRX-R220	SRX-R320
928413406301	Philips XDC 2000S	✓	✓
928411806201	Philips XDC 3000S	✓	✓
928414606201	Philips XDC 4200S	✓	✓
928417506301	Philips XDC 4200SL	✓	✓

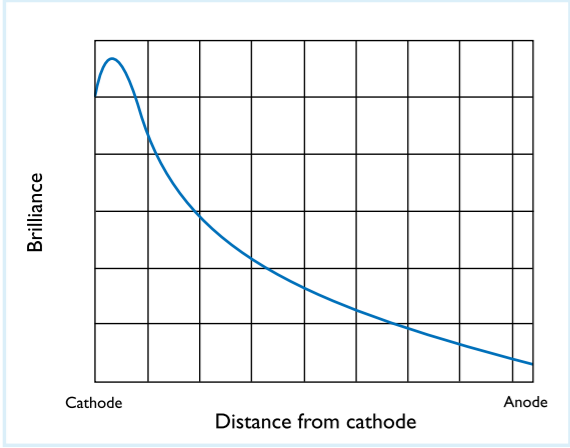
Philips lamp types		Christie projector models									
Ordering code	Product description	CP2210	CP2215	CP2220	CP2230	CP4220	CP4230	CP2000-M	CP2000-SB	CP2000-XB	CP2000-ZX
928413306301	Philips XDC 2000C			✓	✓	✓	✓		✓	✓	✓
928418906301	<b>NEW!</b> Philips XDC 2001C	✓	✓					✓			
928411706201	Philips XDC 3000C			✓	✓	✓	✓		✓	✓	✓
928418306301	Philips XDC 3001C			✓	✓						
928415306201	Philips XDC 4500C				✓	✓		✓	✓		
928416706201	Philips XDC 6000C				✓	✓		✓	✓		

Philips lamp types		IMAX projector models
Ordering code	Product description	Gen III
928418606301	<b>NEW!</b> Philips XDC 6500 BI	✓

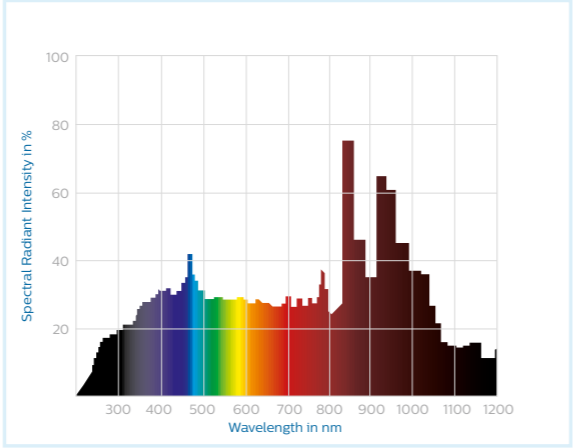
✓ This lamp fits in this projector



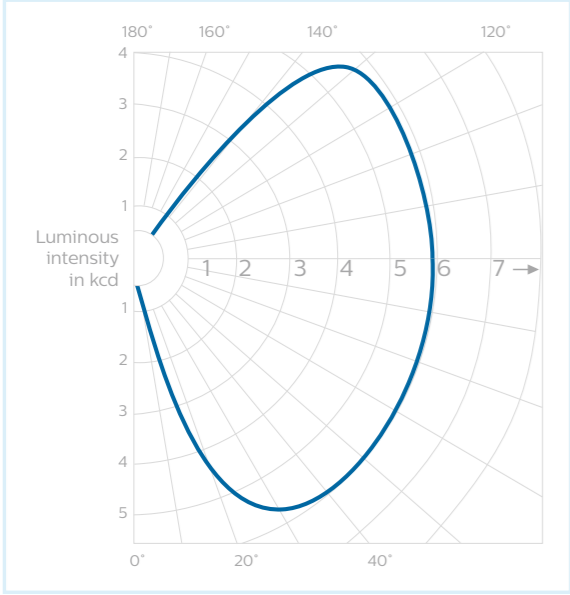
# Photometric characteristics



Brilliance



Spectral distribution



Luminous intensity

