

# StyliD PerfectBeam – endless possibilities to shape light

## StyliD PerfectBeam

StyliD PerfectBeam has been developed specifically for museum applications. It strikes the perfect balance between presenting art and preserving it, between ever-changing exhibitions and the need for low maintenance and energy efficiency. The often conflicting demands for good visibility and conservation are now being met with LED lighting that emits no harmful UV or IR radiation. StyliD PerfectBeam presents works of art in their true colours, subtly attracting the viewer's eye, making it easy to see, interpret and appreciate masterpieces down to the smallest detail. It enables you to use light to evoke emotions and create an unforgettable museum experience. Its modular design, variable beam, beam shaping accessories and onboard dimming ensure maximum flexibility to cope with changing exhibitions and lighting needs, now and in the future.

### Benefits

- Superior light quality – making visible what the artist intended
- Optimal art preservation – protecting precious exhibits
- Maximum beam flexibility – adapting to changing exhibition needs

### Features

- Variable Spot (7 through 43°) and Framing Projector options
- Modular design with beam shaping accessories, easy to adapt
- Patented technology for superior beam uniformity in the Variable Spot
- Product design inspired by precision optics like camera lenses
- No UV or IR radiation that is harmful to precious exhibits
- High colour rendering: CRI 90+
- Minimal glare

## Application

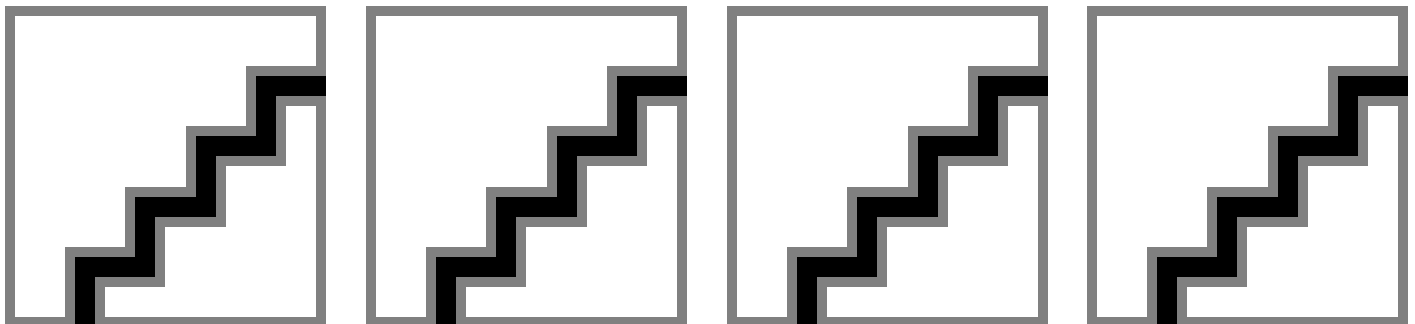
- Museums (paintings, sculptures, other works of art)
- High-end fashion/retail

## Specifications

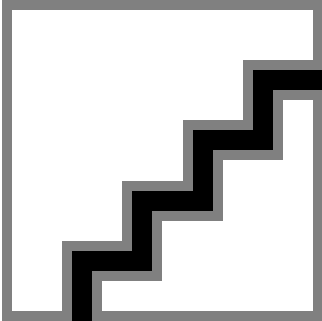
<b>Type</b>	ST741T (Variable Spot version)
	ST742T (Framing Projector version)
<b>Light source</b>	LED module
<b>Power</b>	21 W
<b>Beam angle</b>	ST741T: 7 to 43°
	ST742T: 30°
<b>Luminous flux</b>	ST741T: 450 to 660 lm (for 3,000 K)
	ST742T: 240 lm (for 3,000 K)
<b>Correlated Colour</b>	2,700 K
<b>Temperature</b>	3,000 K
	Other colour temperatures available on request
<b>Colour Rendering Index</b>	> 90
<b>Standard deviation colour matching (SDCM)</b>	3 (with a tolerance of +/- 0.005 on colour point measurement)
<b>Lumen maintenance at median useful life*</b>	L80
<b>50,000 h</b>	
<b>Control gear failure rate at median useful life</b>	5%
<b>50,000 h</b>	
<b>Performance Ambient Temperature Tq</b>	+25 °C
<b>Operating temperature range</b>	0 to +35 °C
<b>Driver failure rate</b>	1% for 5,000 hours

<b>Driver</b>	Built-in
<b>Mains voltage</b>	220 or 240 V/50-60 Hz
<b>Dimming</b>	On board dimming 1-10 V (10-100%)
<b>Control system input</b>	1-10 V
	DALI dimming available on request
<b>Material</b>	Housing: aluminium
	Heatsink: die-cast aluminium
	Driver box: plastic
	Internal lenses: glass
<b>Colour</b>	Frontal lenses: PMMA
	Black (BK)
	White, with black details (WH)
	Other colours available on request
<b>Connection</b>	3C track connector
<b>Installation</b>	On 3C track
<b>Remarks</b>	Interchangeable frontal lenses can be used to create different light effects
	Variable Spot (ST741T): Standard included: clear and soft frontal lens
	Separate accessories: linear frontal lens (ST741Z) to create a striped or wallwashing effect
	Framing Projector (ST742T): Standard included: clear frontal lens
	Separate accessories: soft frontal lens to create soft edges on request

## Versions



## Accessories



Ordercode 29783300

### Application Conditions

Ambient temperature range	0 to +35 °C
Maximum dim level	10%
Suitable for random switching	Not applicable

### Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP20

### Operating and Electrical

Input Voltage	220/240 V
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### General Information

CE mark	CE mark
Protection class IEC	Safety class II
Optical cover/lens type	PM
Driver included	Yes
ENEC mark	-
Flammability mark	NO
Lamp family code	LED5S
Light source replaceable	No
Number of gear units	1 unit

### Initial Performance (IEC Compliant)

Initial chromaticity	-
Init. Colour Rendering Index	90
Luminous flux tolerance	+/-1%
Initial input power	21 W

### Controls and Dimming

Order Code	Full Product Name	Dimmable
29775800	ST741T LED5S/927 PSR 7-43 WH	Yes
29776500	ST741T LED5S/930 PSR 7-43 WH	Yes
29777200	ST741T LED5S/927 PSR 7-43 BK	yes
29778900	ST741T LED5S/930 PSR 7-43 BK	Yes
29779600	ST742T LED5S/927 PSR 30 WH	Yes
29780200	ST742T LED5S/930 PSR 30 WH	Yes
29781900	ST742T LED5S/927 PSR 30 BK	Yes
29782600	ST742T LED5S/930 PSR 30 BK	Yes

## Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial LED		
		Init. Corr. Colour Temperature	luminaire efficacy	Initial luminous flux
29775800	ST741T LED5S/927 PSR 7-43 WH	2700 K	32 lm/W	684 lm
29776500	ST741T LED5S/930 PSR 7-43 WH	3000 K	32 lm/W	684 lm

Order Code	Full Product Name	Initial LED		
		Init. Corr. Colour Temperature	luminaire efficacy	Initial luminous flux
29777200	ST741T LED5S/927 PSR 7-43 BK	2700 K	32 lm/W	684 lm
29778900	ST741T LED5S/930 PSR 7-43 BK	3000 K	32 lm/W	684 lm

## StyliD PerfectBeam

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial LED	
			luminaire efficacy	Initial luminous flux
29779600	ST742T LED5S/927 PSR 30 WH	2700 K	12 lm/W	263 lm
29780200	ST742T LED5S/930 PSR 30 WH	3000 K	12 lm/W	263 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial LED	
			luminaire efficacy	Initial luminous flux
29781900	ST742T LED5S/927 PSR 30 BK	2700 K	12 lm/W	263 lm
29782600	ST742T LED5S/930 PSR 30 BK	3000 K	12 lm/W	263 lm

### Mechanical and Housing

Order Code	Full Product Name	Colour
29775800	ST741T LED5S/927 PSR 7-43 WH	White and black
29776500	ST741T LED5S/930 PSR 7-43 WH	White and black
29777200	ST741T LED5S/927 PSR 7-43 BK	Black
29778900	ST741T LED5S/930 PSR 7-43 BK	Black

Order Code	Full Product Name	Colour
29779600	ST742T LED5S/927 PSR 30 WH	White and black
29780200	ST742T LED5S/930 PSR 30 WH	White and black
29781900	ST742T LED5S/927 PSR 30 BK	Black
29782600	ST742T LED5S/930 PSR 30 BK	Black

