



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

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

Driver	Built-in
Mains voltage	220 or 240 V/50-60 Hz
Dimming	On board dimming 1-10 V (10-100%)
Control system input	1-10 V DALI dimming available on request
Material	Housing: aluminium Heatsink: die-cast aluminium Driver box: plastic Internal lenses: glass Frontal lenses: PMMA
Colour	Black (BK) White, with black details (WH) Other colours available on request
Connection	3C track connector
Installation	On 3C track
Remarks	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 910504801189



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 (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
910504801181	ST741T LED5S/927 PSR 7-43 WH	Yes
910504801182	ST741T LED5S/930 PSR 7-43 WH	Yes
910504801183	ST741T LED5S/927 PSR 7-43 BK	yes
910504801184	ST741T LED5S/930 PSR 7-43 BK	Yes
910504801185	ST742T LED5S/927 PSR 30 WH	Yes
910504801186	ST742T LED5S/930 PSR 30 WH	Yes
910504801187	ST742T LED5S/927 PSR 30 BK	Yes
910504801188	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
910504801181	ST741T LED5S/927 PSR 7-43 WH	2700 K	32 lm/W	684 lm
910504801182	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
910504801183	ST741T LED5S/927 PSR 7-43 BK	2700 K	32 lm/W	684 lm
910504801184	ST741T LED5S/930 PSR 7-43 BK	3000 K	32 lm/W	684 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
910504801185	ST742T LED5S/927 PSR 30 WH	2700 K	12 lm/W	263 lm
910504801186	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
910504801187	ST742T LED5S/927 PSR 30 BK	2700 K	12 lm/W	263 lm
910504801188	ST742T LED5S/930 PSR 30 BK	3000 K	12 lm/W	263 lm

Mechanical and Housing

Order Code	Full Product Name	Colour
910504801181	ST741T LED5S/927 PSR 7-43 WH	White and black
910504801182	ST741T LED5S/930 PSR 7-43 WH	White and black
910504801183	ST741T LED5S/927 PSR 7-43 BK	Black
910504801184	ST741T LED5S/930 PSR 7-43 BK	Black

Order Code	Full Product Name	Colour
910504801185	ST742T LED5S/927 PSR 30 WH	White and black
910504801186	ST742T LED5S/930 PSR 30 WH	White and black
910504801187	ST742T LED5S/927 PSR 30 BK	Black
910504801188	ST742T LED5S/930 PSR 30 BK	Black

