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 colors, 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 color rendering: CRI 90+
- Minimal glare

StyliD PerfectBeam

Application

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

Specifications

Type	ST741T (Variable Spot version)	Driver	Built-in
	ST742T (Framing Projector version)	Mains voltage	220 or 240 V / 50-60 Hz
Light source	LED module	Dimming	On board dimming 1-10 V (10-100%)
Power	21 W	Controls system input	1-10 V
Beam angle	ST741T: 7 to 43º		DALI dimming available on request
	ST742T: 30º	Material	Housing: aluminum
Luminous flux	ST741T: 450 to 660 lm (for 3000 K)		Heatsink: die-cast aluminum
	ST742T: 240 lm (for 3000 K)		Driver box: plastic
Correlated Color	2700 K		Internal lenses: glass
Temperature	3000 K		Frontal lenses: PMMA
	Other color temperatures available on request	Color	Black (BK)
Color Rendering Index	> 90		White, with black details (WH)
Standard deviation color matching (SDCM)	3 (with a tolerance of +/- 0,005 on color point measurement)		Other colors available on request
		Connection	3C track connector
Lumen maintenance at median useful life* 50000 h	L80	Installation	On 3C track
		Remarks	Interchangeable frontal lenses can be used to create different light effects
Control gear failure rate at median useful life 50000 h	5%		Variable Spot (ST741T): Standard included: clear and soft frontal lens
Performance Ambient Temperature Tq	+25 ºC		Separate accessories: linear frontal lens (ST741Z) to create a stripe or wallwashing effect
Operating temperature range	0 to +35 ºC		Framing Projector (ST742T): Standard included: clear frontal lens
Driver failure rate	1% for 5000 hours		Separate accessories: soft frontal lens to create soft edges on request

Versions

ST741T White

ST741T Black

ST742T White

ST742T Black

StyliD PerfectBeam

Accessories

ST741Z

Ordercode 910504801189

Application Conditions

Ambient temperature range	0 to +35 °C
Maximum dim level	10%

Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP20

Controls and Dimming

Dimmable	Yes

Operating and Electrical

Input Voltage	220/240 V

General Information

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

Initial Performance (IEC Compliant)

Initial chromaticy	–
Init. Color Rendering Index	90
Luminous flux tolerance	+/-1%
Initial input power	21 W

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial LED 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
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
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
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	Color	Order Code	Full Product Name	Color
910504801181	ST741T LED5S/927 PSR 7–43 WH	White and black	910504801184	ST741T LED5S/930 PSR 7–43 BK	Black
910504801182	ST741T LED5S/930 PSR 7–43 WH	White and black	910504801185	ST742T LED5S/927 PSR 30 WH	White and black
910504801183	ST741T LED5S/927 PSR 7–43 BK	Black	910504801186	ST742T LED5S/930 PSR 30 WH	White and black

StyliD PerfectBeam

Order Code	Full Product Name	Color	Order Code	Full Product Name	Color
910504801187	ST742T LED5S/927 PSR 30 BK	Black	910504801188	ST742T LED5S/930 PSR 30 BK	Black

PHILIPS

www.lighting.philips.com

2019, August 30 – data subject to change