



PerfectBeam gen 2 – endless possibilities to shape light

PerfectBeam gen.2

PerfectBeam gen2 has been dedicatedly designed to deliver excellent quality of light in museum applications. It strikes the perfect balance between presenting and preserving art, between ever-changing exhibitions and the need for low maintenance and energy-efficiency. The often conflicting demands for good visibility and conservation are now satisfied with an LED lighting solution that doesn't emit any harmful UV or IR rays. PerfectBeam gen2 presents masterpieces and objects in their true colours, subtly attracting the viewer's eye, making it easy to see, interpret and appreciate works of art 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 or DALI ensure maximum flexibility to cope with changing exhibitions and lighting needs, now and in the future. PerfectBeam gen2 is the right solution for high-end fashion retail where you need to enhance colours and materials, and underline details.

Benefits

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

Features

- Variable Spot (from 7° to 55°) and Framing Projector
- Variable Spot can reach up to 1,560 lm, and Framing Projector, up to 920 lm
- Modular design with beam-shaping accessories, easy to adapt
- No harmful UV or IR radiation to precious exhibits and minimal glare
- High colour rendering: CRI 94+

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Application

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

Versions



PerfectBeam



PerfectBeam



PerfectBeam



PerfectBeam

Product details

PerfectBeam gen2 ST512T 6



Accessories

PerfectBeam

Ordercode 19132000



Application Conditions

Ambient temperature range	0 to +35 °C
Maximum dim level	3%
Suitable for random switching	No

Approval and Application

Mech. impact protection code	-
Ingress protection code	IP20

Controls and Dimming

Dimmable	Yes
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Operating and Electrical

Input Voltage	220/240 V
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General Information

Beam angle of light source	120 °
CE mark	CE mark
Protection class IEC	Safety class II
Driver included	Yes
ENEC mark	-
Flammability mark	NO
Glow-wire test	-
Light source replaceable	No
Number of gear units	1 unit

Initial Performance (IEC Compliant)

Init. Colour Rendering Index	94
Luminous flux tolerance	+/-5%

General Information

Order Code	Full Product Name	Optic type
19108500	ST512T LED15S/927 PSR 7-55 WH	Beam angle 7 to 55°
19109200	ST512T LED15S/930 PSR 7-55 WH	Beam angle 7 to 55°
19110800	ST512T LED15S/940 PSR 7-55 WH	Beam angle 7 to 55°
19120700	ST512T LED7S/927 PSR 30 WH	30
19121400	ST512T LED7S/930 PSR 30 WH	30
19122100	ST512T LED7S/940 PSR 30 WH	30
19111500	ST512T LED15S/927 PSD 7-55 WH	Beam angle 7 to 55°
19112200	ST512T LED15S/930 PSD 7-55 WH	Beam angle 7 to 55°
19113900	ST512T LED15S/940 PSD 7-55 WH	Beam angle 7 to 55°
19114600	ST512T LED15S/927 PSR 7-55 BK	Beam angle 7 to 55°
19115300	ST512T LED15S/930 PSR 7-55 BK	Beam angle 7 to 55°
19116000	ST512T LED15S/940 PSR 7-55 BK	Beam angle 7 to 55°
19117700	ST512T LED15S/927 PSD 7-55 BK	Beam angle 7 to 55°
19118400	ST512T LED15S/930 PSD 7-55 BK	Beam angle 7 to 55°
19119100	ST512T LED15S/940 PSD 7-55 BK	Beam angle 7 to 55°
19123800	ST512T LED7S/927 PSD 30 WH	30
19124500	ST512T LED7S/930 PSD 30 WH	30
19125200	ST512T LED7S/940 PSD 30 WH	30
19126900	ST512T LED7S/927 PSR 30 BK	30
19127600	ST512T LED7S/930 PSR 30 BK	30
19128300	ST512T LED7S/940 PSR 30 BK	30
19129000	ST512T LED7S/927 PSD 30 BK	30
19130600	ST512T LED7S/930 PSD 30 BK	30
19131300	ST512T LED7S/940 PSD 30 BK	30

Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
19108500	ST512T LED15S/927 PSR 7-55 WH	0.4578, 0.4101 (+/- 0.005); SDCM 2	2700 K	62 lm/W	1560 lm
19109200	ST512T LED15S/930 PSR 7-55 WH	0.4338, 0.4030 (+/- 0.005); SDCM 2	3000 K	62 lm/W	1560 lm
19110800	ST512T LED15S/940 PSR 7-55 WH	0.3818, 0.3797 (+/- 0.005); SDCM 2	4000 K	62 lm/W	1560 lm
19120700	ST512T LED7S/927 PSR 30 WH	0.4578, 0.4101 (+/- 0.005); SDCM 2	2700 K	40 lm/W	920 lm
19121400	ST512T LED7S/930 PSR 30 WH	0.4338, 0.4030 (+/- 0.005); SDCM 2	3000 K	40 lm/W	920 lm
19122100	ST512T LED7S/940 PSR 30 WH	0.3818, 0.3797 (+/- 0.005); SDCM 2	4000 K	40 lm/W	920 lm

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
19111500	ST512T LED15S/927 PSD 7-55 WH	0.4578, 0.4101 (+/- 0.005); SDCM 2	2700 K	62 lm/W	1560 lm
19112200	ST512T LED15S/930 PSD 7-55 WH	0.4338, 0.4030 (+/- 0.005); SDCM 2	3000 K	62 lm/W	1560 lm
19113900	ST512T LED15S/940 PSD 7-55 WH	0.3818, 0.3797 (+/- 0.005); SDCM 2	4000 K	62 lm/W	1560 lm
19114600	ST512T LED15S/927 PSR 7-55 BK	0.4578, 0.4101 (+/- 0.005); SDCM 2	2700 K	62 lm/W	1560 lm
19115300	ST512T LED15S/930 PSR 7-55 BK	0.4338, 0.4030 (+/- 0.005); SDCM 2	3000 K	62 lm/W	1560 lm
19116000	ST512T LED15S/940 PSR 7-55 BK	0.3818, 0.3797 (+/- 0.005); SDCM 2	4000 K	62 lm/W	1560 lm

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Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
19117700	ST512T LED15S/927 PSD 7-55 BK	0.4578, 0.4101 (+/- 0.005); SDCM 2	2700 K	62 lm/W	1560 lm
19118400	ST512T LED15S/930 PSD 7-55 BK	0.4338, 0.4030 (+/- 0.005); SDCM 2	3000 K	62 lm/W	1560 lm
19119100	ST512T LED15S/940 PSD 7-55 BK	0.3818, 0.3797 (+/- 0.005); SDCM 2	4000 K	62 lm/W	1560 lm
19123800	ST512T LED7S/927 PSD 30 WH	0.4578, 0.4101 (+/- 0.005); SDCM 2	2700 K	40 lm/W	920 lm
19124500	ST512T LED7S/930 PSD 30 WH	0.4338, 0.4030 (+/- 0.005); SDCM 2	3000 K	40 lm/W	920 lm
19125200	ST512T LED7S/940 PSD 30 WH	0.3818, 0.3797 (+/- 0.005); SDCM 2	4000 K	40 lm/W	920 lm

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
19126900	ST512T LED7S/927 PSR 30 BK	0.4578, 0.4101 (+/- 0.005); SDCM 2	2700 K	40 lm/W	920 lm
19127600	ST512T LED7S/930 PSR 30 BK	0.4338, 0.4030 (+/- 0.005); SDCM 2	3000 K	40 lm/W	920 lm
19128300	ST512T LED7S/940 PSR 30 BK	0.3818, 0.3797 (+/- 0.005); SDCM 2	4000 K	40 lm/W	920 lm
19129000	ST512T LED7S/927 PSD 30 BK	0.4578, 0.4101 (+/- 0.005); SDCM 2	2700 K	40 lm/W	920 lm
19130600	ST512T LED7S/930 PSD 30 BK	0.4338, 0.4030 (+/- 0.005); SDCM 2	3000 K	40 lm/W	920 lm
19131300	ST512T LED7S/940 PSD 30 BK	0.3818, 0.3797 (+/- 0.005); SDCM 2	4000 K	40 lm/W	920 lm

Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power
19108500	ST512T LED15S/927 PSR 7-55 WH	25 W
19109200	ST512T LED15S/930 PSR 7-55 WH	25 W
19110800	ST512T LED15S/940 PSR 7-55 WH	25 W
19120700	ST512T LED7S/927 PSR 30 WH	23 W
19121400	ST512T LED7S/930 PSR 30 WH	23 W
19122100	ST512T LED7S/940 PSR 30 WH	23 W
19111500	ST512T LED15S/927 PSD 7-55 WH	25 W
19112200	ST512T LED15S/930 PSD 7-55 WH	25 W
19113900	ST512T LED15S/940 PSD 7-55 WH	25 W
19114600	ST512T LED15S/927 PSR 7-55 BK	25 W
19115300	ST512T LED15S/930 PSR 7-55 BK	25 W
19116000	ST512T LED15S/940 PSR 7-55 BK	25 W

Order Code	Full Product Name	Initial input power
19117700	ST512T LED15S/927 PSD 7-55 BK	25 W
19118400	ST512T LED15S/930 PSD 7-55 BK	25 W
19119100	ST512T LED15S/940 PSD 7-55 BK	25 W
19123800	ST512T LED7S/927 PSD 30 WH	23 W
19124500	ST512T LED7S/930 PSD 30 WH	23 W
19125200	ST512T LED7S/940 PSD 30 WH	23 W
19126900	ST512T LED7S/927 PSR 30 BK	23 W
19127600	ST512T LED7S/930 PSR 30 BK	23 W
19128300	ST512T LED7S/940 PSR 30 BK	23 W
19129000	ST512T LED7S/927 PSD 30 BK	23 W
19130600	ST512T LED7S/930 PSD 30 BK	23 W
19131300	ST512T LED7S/940 PSD 30 BK	23 W

Mechanical and Housing

Order Code	Full Product Name	Colour
19108500	ST512T LED15S/927 PSR 7-55 WH	Aluminium
19109200	ST512T LED15S/930 PSR 7-55 WH	Aluminium
19110800	ST512T LED15S/940 PSR 7-55 WH	Aluminium
19120700	ST512T LED7S/927 PSR 30 WH	Aluminium
19121400	ST512T LED7S/930 PSR 30 WH	Aluminium
19122100	ST512T LED7S/940 PSR 30 WH	Aluminium
19111500	ST512T LED15S/927 PSD 7-55 WH	Aluminium
19112200	ST512T LED15S/930 PSD 7-55 WH	Aluminium
19113900	ST512T LED15S/940 PSD 7-55 WH	Aluminium
19114600	ST512T LED15S/927 PSR 7-55 BK	Black
19115300	ST512T LED15S/930 PSR 7-55 BK	Black

Order Code	Full Product Name	Colour
19116000	ST512T LED15S/940 PSR 7-55 BK	Black
19117700	ST512T LED15S/927 PSD 7-55 BK	Black
19118400	ST512T LED15S/930 PSD 7-55 BK	Black
19119100	ST512T LED15S/940 PSD 7-55 BK	Black
19123800	ST512T LED7S/927 PSR 30 WH	Aluminium
19124500	ST512T LED7S/930 PSD 30 WH	Aluminium
19125200	ST512T LED7S/940 PSD 30 WH	Aluminium
19126900	ST512T LED7S/927 PSR 30 BK	Black
19127600	ST512T LED7S/930 PSR 30 BK	Black
19128300	ST512T LED7S/940 PSR 30 BK	Black
19129000	ST512T LED7S/927 PSD 30 BK	Black

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Order Code	Full Product Name	Colour	Order Code	Full Product Name	Colour
19130600	ST512T LED7S/930 PSD 30 BK	Black	19131300	ST512T LED7S/940 PSD 30 BK	Black

