



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 gen.2 presents masterpieces and objects in their true colors, 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 gen.2 is the right solution also in high-end fashion retail where you need to enhance colors, 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 1560 lm and Framing Projector up to 920lm
- Modular design with beam shaping accessories, easy to adapt
- No harmful UV or IR radiation to precious exhibits and minimal glare
- High color rendering: CRI 94+

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Application

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

Versions



PerfectBeam gen.2 Variable White



PerfectBeam gen.2 Variable White



PerfectBeam gen.2 Variable Black



PerfectBeam gen.2 Framing Black

Product details

PerfectBeam gen2 ST512T 6



Accessories

PerfectBeam

Ordercode 910504801540



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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	-
Glow-wire test	-
Light source replaceable	No
Number of gear units	1 unit

Initial Performance (IEC Compliant)

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

General Information

Order Code	Full Product Name	Optic type
910504801516	ST512T LED15S/927 PSR 7-55 WH	Beam angle 7 to 55°
910504801517	ST512T LED15S/930 PSR 7-55 WH	Beam angle 7 to 55°
910504801518	ST512T LED15S/940 PSR 7-55 WH	Beam angle 7 to 55°
910504801528	ST512T LED7S/927 PSR 30 WH	Beam angle 30°
910504801529	ST512T LED7S/930 PSR 30 WH	Beam angle 30°
910504801530	ST512T LED7S/940 PSR 30 WH	Beam angle 30°
910504801519	ST512T LED15S/927 PSD 7-55 WH	Beam angle 7 to 55°
910504801520	ST512T LED15S/930 PSD 7-55 WH	Beam angle 7 to 55°
910504801521	ST512T LED15S/940 PSD 7-55 WH	Beam angle 7 to 55°
910504801522	ST512T LED15S/927 PSR 7-55 BK	Beam angle 7 to 55°
910504801523	ST512T LED15S/930 PSR 7-55 BK	Beam angle 7 to 55°
910504801524	ST512T LED15S/940 PSR 7-55 BK	Beam angle 7 to 55°
910504801525	ST512T LED15S/927 PSD 7-55 BK	Beam angle 7 to 55°
910504801526	ST512T LED15S/930 PSD 7-55 BK	Beam angle 7 to 55°
910504801527	ST512T LED15S/940 PSD 7-55 BK	Beam angle 7 to 55°
910504801531	ST512T LED7S/927 PSD 30 WH	Beam angle 30°
910504801532	ST512T LED7S/930 PSD 30 WH	Beam angle 30°
910504801533	ST512T LED7S/940 PSD 30 WH	Beam angle 30°
910504801534	ST512T LED7S/927 PSR 30 BK	Beam angle 30°
910504801535	ST512T LED7S/930 PSR 30 BK	Beam angle 30°
910504801536	ST512T LED7S/940 PSR 30 BK	Beam angle 30°
910504801537	ST512T LED7S/927 PSD 30 BK	Beam angle 30°
910504801538	ST512T LED7S/930 PSD 30 BK	Beam angle 30°
910504801539	ST512T LED7S/940 PSD 30 BK	Beam angle 30°

Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux
910504801516	ST512T LED15S/927 PSR 7-55 WH	0.4578, 0.4101 (+/- 0.005); SDCM 2	2700 K	62 lm/W	1560 lm
910504801517	ST512T LED15S/930 PSR 7-55 WH	0.4338, 0.4030 (+/- 0.005); SDCM 2	3000 K	62 lm/W	1560 lm
910504801518	ST512T LED15S/940 PSR 7-55 WH	0.3818, 0.3797 (+/- 0.005); SDCM 2	4000 K	62 lm/W	1560 lm
910504801528	ST512T LED7S/927 PSR 30 WH	0.4578, 0.4101 (+/- 0.005); SDCM 2	2700 K	40 lm/W	920 lm
910504801529	ST512T LED7S/930 PSR 30 WH	0.4338, 0.4030 (+/- 0.005); SDCM 2	3000 K	40 lm/W	920 lm

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux
910504801530	ST512T LED7S/940 PSR 30 WH	0.3818, 0.3797 (+/- 0.005); SDCM 2	4000 K	40 lm/W	920 lm
910504801519	ST512T LED15S/927 PSD 7-55 WH	0.4578, 0.4101 (+/- 0.005); SDCM 2	2700 K	62 lm/W	1560 lm
910504801520	ST512T LED15S/930 PSD 7-55 WH	0.4338, 0.4030 (+/- 0.005); SDCM 2	3000 K	62 lm/W	1560 lm
910504801521	ST512T LED15S/940 PSD 7-55 WH	0.3818, 0.3797 (+/- 0.005); SDCM 2	4000 K	62 lm/W	1560 lm
910504801522	ST512T LED15S/927 PSD 7-55 BK	0.4578, 0.4101 (+/- 0.005); SDCM 2	2700 K	62 lm/W	1560 lm

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Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux
910504801523	ST512T LED15S/930 PSR 7-55 BK	0.4338, 0.4030 (+/- 0.005); SDCM 2	3000 K	62 lm/W	1560 lm
910504801524	ST512T LED15S/940 PSR 7-55 BK	0.3818, 0.3797 (+/- 0.005); SDCM 2	4000 K	62 lm/W	1560 lm
910504801525	ST512T LED15S/927 PSD 7-55 BK	0.4578, 0.4101 (+/- 0.005); SDCM 2	2700 K	62 lm/W	1560 lm
910504801526	ST512T LED15S/930 PSD 7-55 BK	0.4338, 0.4030 (+/- 0.005); SDCM 2	3000 K	62 lm/W	1560 lm
910504801527	ST512T LED15S/940 PSD 7-55 BK	0.3818, 0.3797 (+/- 0.005); SDCM 2	4000 K	62 lm/W	1560 lm
910504801531	ST512T LED7S/927 PSD 30 WH	0.4578, 0.4101 (+/- 0.005); SDCM 2	2700 K	40 lm/W	920 lm
910504801532	ST512T LED7S/930 PSD 30 WH	0.4338, 0.4030 (+/- 0.005); SDCM 2	3000 K	40 lm/W	920 lm

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux
910504801533	ST512T LED7S/940 PSD 30 WH	0.3818, 0.3797 (+/- 0.005); SDCM 2	4000 K	40 lm/W	920 lm
910504801534	ST512T LED7S/927 PSR 30 BK	0.4578, 0.4101 (+/- 0.005); SDCM 2	2700 K	40 lm/W	920 lm
910504801535	ST512T LED7S/930 PSR 30 BK	0.4338, 0.4030 (+/- 0.005); SDCM 2	3000 K	40 lm/W	920 lm
910504801536	ST512T LED7S/940 PSR 30 BK	0.3818, 0.3797 (+/- 0.005); SDCM 2	4000 K	40 lm/W	920 lm
910504801537	ST512T LED7S/927 PSD 30 BK	0.4578, 0.4101 (+/- 0.005); SDCM 2	2700 K	40 lm/W	920 lm
910504801538	ST512T LED7S/930 PSD 30 BK	0.4338, 0.4030 (+/- 0.005); SDCM 2	3000 K	40 lm/W	920 lm
910504801539	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
910504801516	ST512T LED15S/927 PSR 7-55 WH	25 W
910504801517	ST512T LED15S/930 PSR 7-55 WH	25 W
910504801518	ST512T LED15S/940 PSR 7-55 WH	25 W
910504801528	ST512T LED7S/927 PSR 30 WH	23 W
910504801529	ST512T LED7S/930 PSR 30 WH	23 W
910504801530	ST512T LED7S/940 PSR 30 WH	23 W
910504801519	ST512T LED15S/927 PSD 7-55 WH	25 W
910504801520	ST512T LED15S/930 PSD 7-55 WH	25 W
910504801521	ST512T LED15S/940 PSD 7-55 WH	25 W
910504801522	ST512T LED15S/927 PSR 7-55 BK	25 W
910504801523	ST512T LED15S/930 PSR 7-55 BK	25 W
910504801524	ST512T LED15S/940 PSR 7-55 BK	25 W

Order Code	Full Product Name	Initial input power
910504801525	ST512T LED15S/927 PSD 7-55 BK	25 W
910504801526	ST512T LED15S/930 PSD 7-55 BK	25 W
910504801527	ST512T LED15S/940 PSD 7-55 BK	25 W
910504801531	ST512T LED7S/927 PSD 30 WH	23 W
910504801532	ST512T LED7S/930 PSD 30 WH	23 W
910504801533	ST512T LED7S/940 PSD 30 WH	23 W
910504801534	ST512T LED7S/927 PSR 30 BK	23 W
910504801535	ST512T LED7S/930 PSR 30 BK	23 W
910504801536	ST512T LED7S/940 PSR 30 BK	23 W
910504801537	ST512T LED7S/927 PSD 30 BK	23 W
910504801538	ST512T LED7S/930 PSD 30 BK	23 W
910504801539	ST512T LED7S/940 PSD 30 BK	23 W

Mechanical and Housing

Order Code	Full Product Name	Color
910504801516	ST512T LED15S/927 PSR 7-55 WH	Aluminum
910504801517	ST512T LED15S/930 PSR 7-55 WH	Aluminum
910504801518	ST512T LED15S/940 PSR 7-55 WH	Aluminum
910504801528	ST512T LED7S/927 PSR 30 WH	Aluminum
910504801529	ST512T LED7S/930 PSR 30 WH	Aluminum
910504801530	ST512T LED7S/940 PSR 30 WH	Aluminum
910504801519	ST512T LED15S/927 PSD 7-55 WH	Aluminum
910504801520	ST512T LED15S/930 PSD 7-55 WH	Aluminum

Order Code	Full Product Name	Color
910504801521	ST512T LED15S/940 PSD 7-55 WH	Aluminum
910504801522	ST512T LED15S/927 PSR 7-55 BK	Black
910504801523	ST512T LED15S/930 PSR 7-55 BK	Black
910504801524	ST512T LED15S/940 PSR 7-55 BK	Black
910504801525	ST512T LED15S/927 PSD 7-55 BK	Black
910504801526	ST512T LED15S/930 PSD 7-55 BK	Black
910504801527	ST512T LED15S/940 PSD 7-55 BK	Black
910504801531	ST512T LED7S/927 PSD 30 WH	Aluminum

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Order Code	Full Product Name	Color
910504801532	ST512T LED7S/930 PSD 30 WH	Aluminum
910504801533	ST512T LED7S/940 PSD 30 WH	Aluminum
910504801534	ST512T LED7S/927 PSR 30 BK	Black
910504801535	ST512T LED7S/930 PSR 30 BK	Black

Order Code	Full Product Name	Color
910504801536	ST512T LED7S/940 PSR 30 BK	Black
910504801537	ST512T LED7S/927 PSD 30 BK	Black
910504801538	ST512T LED7S/930 PSD 30 BK	Black
910504801539	ST512T LED7S/940 PSD 30 BK	Black

