

X-Effects® LED Projector



Dynamic Lighting Effects

Create dynamic lighting effects in a wide range of indoor or outdoor venues with this innovative LED effects projector. Capable of throws up to 65ft (20m) with four available lens options, the Rosco X-Effects LED Projector is engineered to create stunning illumination effects.

Using a maximum 90 watts of power, the Rosco X-Effects LED Projectors pack an amazing amount of output into a compact package – making them the ideal dynamic lighting fixtures for museums, aquariums and hospitality venues. Available in 5500K Cool White or RGBW LED models, the X-Effects LED generates vivid water, fire and other 3D effects by projecting light through their rotating, off-set, overlapping gobos.

Project:	Type:
Quantity:	Location:



KEY FEATURES

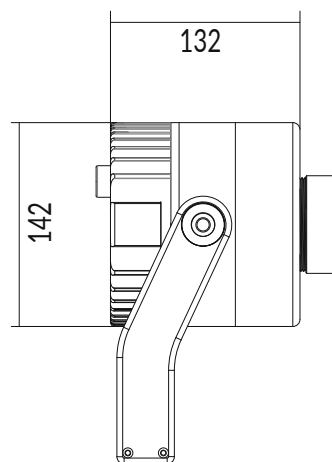
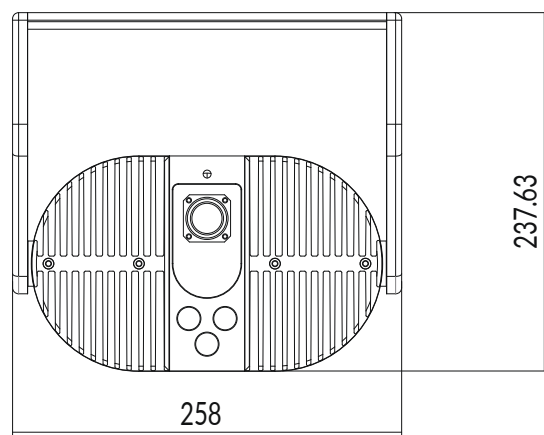
- 45W or 90W (HO) LED array with 5500K Cool White or RGBW LED options
- Four lens optics provide a wide range of beam angles: 19°, 30°, 50° and 70°
- Accepts gobos designed for the X-Effects LED projector to create vivid, dynamic 3D lighting effects
- Passive cooling for completely silent operation
- Accepts universal line voltage (100-240 VAC) enabling operation anywhere around the globe with no external driver
- On-board dimming and speed controls
- DMX512 compatibility provides flicker-free dimming throughout the range: 100% ~ 0%
- RDM capable
- IP65 rated for outdoor use
- Available in Black, White, Silver and custom RAL color

X-Effects® LED Projector

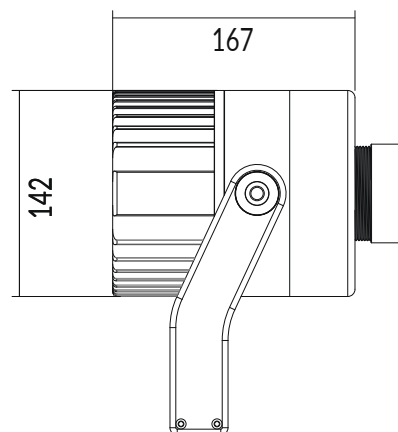


SPECIFICATIONS

Input Voltage:	100-240VAC
Power Consumption:	45 or 90(HO) Watts at maximum output
Output:	1400 lumens / 3000 lumens (HO)
LED Array:	5500K or RGBW (White LED = 5500K) UV also available
Lumen Maintenance:	50,000 hours at 45C (LM-79-08)
Power Connection:	6-ft (2m) insulated with UTL connector
Data:	DMX512 In/Out via UTL Connector on luminaire X-Effects LED 5500K – 5 Control Channels X-Effects LED RGBW – 8 Control Channels RDM compatible
Operating Temp.:	-13° to 113° F (-20° to 45° C)
Environment:	IP65 rated
Housing:	Powder Coated Aluminum
Approvals:	ETL / UL Standards #1573 and # 8750 cETL / CSA C22.2 #166 CE
Dimensions:	5.5"L x 10.1"W x 5.8"H 5.5"L x 10.1"W x 6.5"H - HO (14.2cm x 25.8cm x 14.8cm 14.2cm x 25.8cm x 16.7cm - HO) Yoke Center Hole: 5/8" (16mm)
Weight:	9 lbs (4.1 kg)/13 lbs (5.8 kg) HO



HO



X-Effects® LED Projector



Specification Order Codes

Unit & LED	Output	Finish	Lens	Accessories	Mounting	Wiring***
XFX-5500 - X-Effects LED 5500K Cool White XFX-RGBW - X-Effects LED RGBW	45 - Standard Output (45 Watt) 90 - High Output (90 Watt)	B - Black W - White S - Silver M - Marine Coating C - Custom* (Provide RAL number)	19 - 19 degree 30 - 30 degree 50 - 50 degree 70 - 70 degree N - No Lens Required	L - Lens Cover F - Framing Shutters C - Waterproofing Connector Caps Installed** K - Waterproofing Connector Caps Kit Uninstalled**	P - Pole Mount W - Wall Mount S - Surface Mount N - N/A (Standard yoke)	U : Unterminated user end 6ft (2m) Cable T : Terminated user end (Nema 5-15P, XLR 5-pin in/out) 6ft (2m) Cable

Example:

XFX-5500 — 90 — B — 50 — F — W — T

I.e. XFX-5500-90-B-50-F-W-T =

X-Effects LED HO Output, 5500K Cool White in Black with a 50-degree lens, set of Shutters, a Wall Mount, and Terminated cable.

Notes:

*Minimum order quantity may apply depending on RAL color selected.

Waterproofing Connector Caps protect the fixture and cable connectors from water ingress when the cable and fixture are not connected, such as during installation or servicing. Please refer to **Waterproofing Connector Caps Installation Guide for information on installation.

***Custom cable lengths can be ordered for an additional cost. Contact project.management@rosco.com.

X-Effects LED Projectors

Please note, X-Effects LED Projectors do not ship with a lens and will come with an unterminated cable unless specified.

Item Code	Description
2970000RGBW1	X-Effects LED Projector, RGBW, IP65, Black
2970000RGBW2	X-Effects LED Projector, RGBW, IP65, White
2970000RGBW3	X-Effects LED Projector, RGBW, IP65, Silver
2971000RGBW1	X-Effects LED HO Projector, RGBW IP65, Black
2971000RGBW2	X-Effects LED HO Projector, RGBW, IP65, White
2971000RGBW3	X-Effects LED HO Projector, RGBW, IP65, Silver
297000055001	X-Effects LED Projector, 5500K, IP65, Black
297000055002	X-Effects LED Projector, 5500K, IP65, White
297000055003	X-Effects LED, Projector 5500K, IP65, Silver
297100055001	X-Effects LED HO Projector, 5500K, IP65, Black
297100055002	X-Effects LED HO Projector, 5500K, IP65, White
297100055003	X-Effects LED HO Projector, 5500K, IP65, Silver

X-Effects® LED Projector



X-Effects LED Accessories

Item Code	Description
2970000000019	X-Effects LED Projector 19° Lens - Black
2970000000030	X-Effects LED Projector 30° Lens - Black
2970000000050	X-Effects LED Projector 50° Lens - Black
2970000000070	X-Effects LED Projector 70° Lens - Black
2970000000S19	X-Effects LED Projector 19° Lens - Silver
2970000000S30	X-Effects LED Projector 30° Lens - Silver
2970000000S50	X-Effects LED Projector 50° Lens - Silver
2970000000S70	X-Effects LED Projector 70° Lens - Silver
2970000000010	Rosco X-Effects LED Framing Shutters - Set of 4
296000010012	Safety Cable, 3' (1m)
296000005101	Rosco Pole Mount Accessory - Black
296000005102	Rosco Pole Mount Accessory - White
296000005103	3-pack 24 Stainless Steel Straps for Rosco Pole Mount
296000005104	Rosco Wall Mount Accessory - Black
296000005105	Rosco Wall Mount Accessory - White
296000005106	Rosco Surface Mount Accessory - Black
296000005107	Rosco Surface Mount Accessory - White
2970000000020	X-Effects LED Lens Cover Threaded
515910250001	C-Clamp (1.5 - 2" OD Pipe)
2970000000006	X-Effects Terminated Cable Connectors Installed (Nema 5-15P, XLR in/out)
2970000000005	X-Effects LED Projector Power/Data Cable (Unterminated)
2970000000043	X-Effects Waterproofing Connector Caps Pair Kit Uninstalled
2970000000042	X-Effects Waterproofing Connector Waterproof Caps Pair Installed

X-Effects® LED Projector



X-Effects LED Color Filter & Gobos

	<i>Static Filter Part Numbers</i>
297000000085	X-Effects LED Amber Fire Effect Filter
297000000090	X-Effects LED Green Aurora Effect Filter
297000000095	X-Effects LED Cyan Water Effect Filter
120YYYYSFX	X-Effects LED Permacolor Dichroic Glass Filter YYYY = four digit color number
	<i>Static Gobo Part Numbers</i>
250XXXXXSFX	X-Effects LED Static Standard Steel Gobo XXXXX= five digit standard gobo number
255XXXXXSFX	X-Effects LED Static Image Glass Gobo XXXXXX = five digit gobo number
255XXXXXSFX	X-Effects LED Static ColorWave Gobo XXXXXX = five digit gobo number
2507210ISFX	X-Effects LED Static Custom Steel Gobo
260CUSBWSFX	X-Effects LED Static Custom B&W Glass Gobo
260CUS1CSFX	X-Effects LED Static Custom One-Color Glass Gobo
260CUS2CSFX	X-Effects LED Static Custom Two-Color Glass Gobo
260CUSMCSFX	X-Effects LED Static Custom Multi-Color Glass Gobo

Note: X-Effects LED Static Gobos/Filters are the same size as the Image Spot Gobos/Filters and can be used interchangeably (37.4mm with custom bezel). The custom bezel is required for gobos to fit Rosco units properly.

	<i>Dynamic X-Effects LED Gobo Part Numbers</i>
297000000075	X-Effects LED Replacement Dynamic X-Effects Glass (96mm)
2604BRUPDYWH	X-Effects LED 4-Pattern Gobo Wheel – Breakup
2604FOLDYNWH	X-Effects LED 4-Pattern Gobo Wheel – Foliage
2604LINDYNWH	X-Effects LED 4-Pattern Gobo Wheel – Linear
255XXXXDXFX	X-Effects LED Dynamic Image Glass Gobo XXXXXX = five digit gobo number
255XXXXDXFX	X-Effects LED Dynamic ColorWave Gobo XXXXXX = five digit gobo number
2507210IDFX	X-Effects LED Dynamic Custom Steel Gobo
260CUSBWDXFX	X-Effects LED Dynamic Custom B&W Glass Gobo
260CUS1CDXFX	X-Effects LED Dynamic Custom One-Color Glass Gobo
260CUS2CDXFX	X-Effects LED Dynamic Custom Two-Color Glass Gobo
260CUSMCDXFX	X-Effects LED Dynamic Custom Multi-Color Glass Gobo

Note: Combine any two Dynamic Effects Glass Gobos (96mm) including ColorWaves, Image Glass, and Custom Gobos; and a Static Gobo including Steel, Glass, Permacolor, or Custom, to create endless unique lighting effects.

Visit the Gobos page to see all of the available options: www.rosco.com/gobos

X-EFFECTS RECIPE VIDEOS



X-Effects® LED Projector

PHOTOMETRICS FOR 5500K & RGBW



5500K

Photometric Data for
X-Effects LED 5500K
19 Degree Lens

Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1.0M	20,891 LUX	0.3 M	0.4 M
2.0M	5,222 LUX	0.6 M	0.8 M
3.0M	2,321 LUX	0.8 M	1.2 M
4.0M	1,305 LUX	1.1 M	1.6 M
5.0M	835 LUX	1.4 M	2.0 M
6.0M	580 LUX	1.7 M	2.3 M

Beam Angle: 16° Field Angle: 21°

Photometric Data for
X-Effects LED 5500K
30 Degree Lens

Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1.0M	6,869 LUX	0.5 M	0.7 M
2.0M	1,717 LUX	1.0 M	1.3 M
3.0M	763 LUX	1.5 M	2.0 M
4.0M	429 LUX	2.0 M	2.7 M
5.0M	274 LUX	2.5 M	3.3 M
6.0M	190 LUX	3.0 M	4.0 M

Beam Angle: 26° Field Angle: 36°

Photometric Data for
X-Effects LED 5500K
50 Degree Lens

Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1.0M	1,476 LUX	1.0 M	1.7 M
2.0M	369 LUX	1.9 M	3.3 M
3.0M	164 LUX	2.9 M	5.0 M
4.0M	92 LUX	3.8 M	6.7 M
5.0M	59 LUX	4.8 M	8.4 M
6.0M	41 LUX	5.7 M	10.0 M

Beam Angle: 51° Field Angle: 79.9°

Photometric Data for
X-Effects LED 5500K
70 Degree Lens

Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1.0M	1,314 LUX	1.2 M	1.5 M
2.0M	328 LUX	2.3 M	3.0 M
3.0M	146 LUX	3.5 M	4.5 M
4.0M	82 LUX	4.7 M	6.0 M
5.0M	52 LUX	5.8 M	7.5 M
6.0M	36 LUX	7.0 M	9.1 M

Beam Angle: 60° Field Angle: 74°

5500K HO

Photometric Data for
X-Effects LED HO 5500K
19 Degree Lens

Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1.0M	43,104 LUX	0.3 M	0.4 M
2.0M	10,776 LUX	0.6 M	0.8 M
3.0M	4,789 LUX	0.8 M	1.2 M
4.0M	2,694 LUX	1.1 M	1.6 M
5.0M	1,724 LUX	1.4 M	2.0 M
6.0M	1,197 LUX	1.7 M	2.3 M

Beam Angle: 16° Field Angle: 21°

Photometric Data for
X-Effects LED HO 5500K
30 Degree Lens

Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1.0M	13,185 LUX	0.5 M	0.7 M
2.0M	3,296 LUX	1.0 M	1.3 M
3.0M	1,465 LUX	1.5 M	2.0 M
4.0M	824 LUX	2.0 M	2.7 M
5.0M	527 LUX	2.5 M	3.3 M
6.0M	366 LUX	3.0 M	4.0 M

Beam Angle: 28° Field Angle: 36°

Photometric Data for
X-Effects LED HO 5500K
50 Degree Lens

Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1.0M	4,592 LUX	1.0 M	1.7 M
2.0M	1,148 LUX	1.9 M	3.3 M
3.0M	510 LUX	2.9 M	5.0 M
4.0M	287 LUX	3.8 M	6.7 M
5.0M	183 LUX	4.8 M	8.4 M
6.0M	127 LUX	5.7 M	10.0 M

Beam Angle: 51° Field Angle: 79.9°

Photometric Data for
X-Effects LED HO 5500K
70 Degree Lens

Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1.0M	1,954 LUX	1.2 M	1.5 M
2.0M	488 LUX	2.3 M	3.0 M
3.0M	217 LUX	3.5 M	4.5 M
4.0M	122 LUX	4.7 M	6.0 M
5.0M	78 LUX	5.8 M	7.5 M
6.0M	54 LUX	7.0 M	9.1 M

Beam Angle: 60.0° Field Angle: 74°

X-Effects® LED Projector

PHOTOMETRICS FOR 5500K & RGBW



RGBW

Photometric Data for X-Effects LED RGBW 19 Degree Lens

Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1.0M	7,448 LUX	0.3 M	0.4 M
2.0M	1,862 LUX	0.6 M	0.8 M
3.0M	827 LUX	0.9 M	1.2 M
4.0M	465 LUX	1.2 M	1.6 M
5.0M	297 LUX	1.5 M	2.0 M
6.0M	206 LUX	1.7 M	2.4 M

■ Beam Angle: 16°
 ■ Field Angle: 21°

Photometric Data for X-Effects LED RGBW 30 Degree Lens

Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1.0M	2,461 LUX	0.5 M	0.7 M
2.0M	615 LUX	1.1 M	1.3 M
3.0M	273 LUX	1.4 M	2.0 M
4.0M	153 LUX	1.9 M	2.6 M
5.0M	98 LUX	2.4 M	3.2 M
6.0M	68 LUX	2.9 M	3.9 M

■ Beam Angle: 26°
 ■ Field Angle: 36°

Photometric Data for X-Effects LED RGBW 50 Degree Lens

Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1.0M	691 LUX	0.9 M	1.3 M
2.0M	172 LUX	1.8 M	2.6 M
3.0M	76 LUX	2.7 M	3.9 M
4.0M	43 LUX	3.6 M	5.2 M
5.0M	27 LUX	4.5 M	6.5 M
6.0M	19 LUX	5.4 M	7.8 M

■ Beam Angle: 48°
 ■ Field Angle: 64°

Photometric Data for X-Effects LED RGBW 70 Degree Lens

Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1.0M	351 LUX	1.2 M	1.5 M
2.0M	87 LUX	2.3 M	3.0 M
3.0M	39 LUX	3.5 M	4.6 M
4.0M	21 LUX	4.7 M	6.1 M
5.0M	14 LUX	5.8 M	7.6 M
6.0M	9 LUX	7.0 M	9.1 M

■ Beam Angle: 60.0°
 ■ Field Angle: 82°

RGBW HO

Photometric Data for X-Effects LED HO RGBW 19 Degree Lens

Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1.0M	14,230 LUX	0.3 M	0.4 M
2.0M	3,557 LUX	0.6 M	0.8 M
3.0M	1,581 LUX	0.9 M	1.2 M
4.0M	889 LUX	1.1 M	1.6 M
5.0M	569 LUX	1.4 M	2.0 M
6.0M	395 LUX	1.7 M	2.3 M

■ Beam Angle: 16°
 ■ Field Angle: 21°

Photometric Data for X-Effects LED HO RGBW 30 Degree Lens

Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1.0M	5,025 LUX	0.5 M	0.7 M
2.0M	1,256 LUX	1.1 M	1.3 M
3.0M	558 LUX	1.4 M	2.0 M
4.0M	314 LUX	1.9 M	2.6 M
5.0M	201 LUX	2.4 M	3.2 M
6.0M	193 LUX	2.9 M	3.9 M

■ Beam Angle: 28°
 ■ Field Angle: 36°

Photometric Data for X-Effects LED HO RGBW 50 Degree Lens

Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1.0M	1,548 LUX	0.9 M	1.3 M
2.0M	387 LUX	1.8 M	2.6 M
3.0M	172 LUX	2.7 M	3.9 M
4.0M	96 LUX	3.6 M	5.2 M
5.0M	61 LUX	4.5 M	6.5 M
6.0M	43 LUX	5.4 M	7.8 M

■ Beam Angle: 48°
 ■ Field Angle: 64°

Photometric Data for X-Effects LED HO RGBW 70 Degree Lens

Illuminance at a Distance

	Center Beam LUX	Beam Width	Field Width
1.0M	757 LUX	1.2 M	1.5 M
2.0M	189 LUX	2.3 M	3.0 M
3.0M	84 LUX	3.5 M	4.6 M
4.0M	47 LUX	4.7 M	6.1 M
5.0M	30 LUX	5.8 M	7.6 M
6.0M	21 LUX	7.0 M	9.1 M

■ Beam Angle: 60.0°
 ■ Field Angle: 74°