LiOS
Lighting Operating System

3 Extended Warranty

Orbiter®

Orbiter is an ultra-bright, tunable, and directional LED fixture from ARRI. All systems in Orbiter are completely new and designed with versatility in mind. Orbiter's new six-color light engine delivers a wide-color gamut and outstanding color rendition across all color temperatures along with industry-leading, smooth dimming from 100 to 0%. With its changeable optics, Orbiter can transform into many different types of lampheads including open face, soft light, domes, and many other possibilities. Orbiter is the most advanced luminaire ever created with exciting new technology packed into every fixture. Features such as a fast processor, ample memory, expanded connectivity, built-in array of sensors, weatherproof housing, and many more make Orbiter a formidable machine. Orbiter's state-of-the-art technology and versatile design makes it an optimal lamphead for today and for the future with endless possibilities for updates, configurations, and enhancements.

Changeable optics is the core innovation in Orbiter. With a wide variety of optics to choose from, Orbiter transforms into the perfect light for your application without sacrificing beam, output, or color quality. The Quick Lighting Mount (QLM) in Orbiter allows for optics with vastly different properties to be connected to the fixture.

Orbiter is an extremely bright and powerful, directional LED fixture with an output similar to that of the corresponding HMI systems. Orbiter's high, yet tunable, ARRI Spectra light engine output can create hard shadows with defined edges. This revolutionary light engine is 76 times smaller than the L10's light engine but produces the same power draw and greater output. A dense arrangement of over 200 LEDs gives Orbiter a point source-like aperture while maintaining full-color tunability with a new six-color LED mixture. Including a red, green, blue, amber, cyan, and lime LED, the ARRI Spectra six-color light engine translates into a wider color gamut, more accurate colors, and most importantly, higher color rendition across the entire CCT range. Skin tones look amazing and natural.

Main Features

- Variety of optics and accessories
- ARRI Spectra six-color, wide gamut light engine
- Powerful output for maximal brightness and perfect colors
- Lighting Operating System (LiOS) with powerful software features
- User programmable quick buttons
- Integrated color sensor for matching ambient light
- Removable, intuitive Control Panel
- Full suite of connectors and sensors
- Perfected smooth dimming to zero
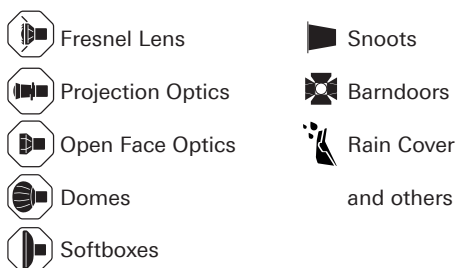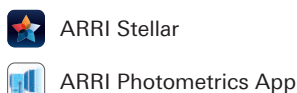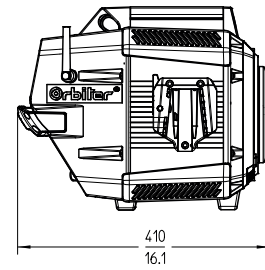- Internal power supply, wireless DMX, & battery input

Accessories

- Fresnel Lens
- Projection Optics
- Open Face Optics
- Domes
- Softboxes
- Snoots
- Barndoors
- Rain Cover
- and others

Apps

- ARRI Stellar
- ARRI Photometrics App

Configuration

Orbiter®
Illumination | Reshaped

1 Fixture Color
2 Yoke Type
3 Power Cables
4 Control
5 Optics, Softboxes & Domes
6 Accessories for Optics
7 Transport
8 Miscellaneous

www.arri.com
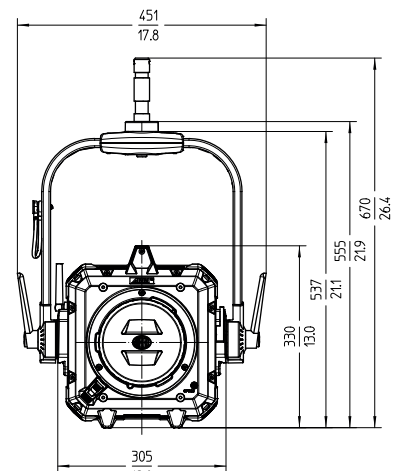
Specifications

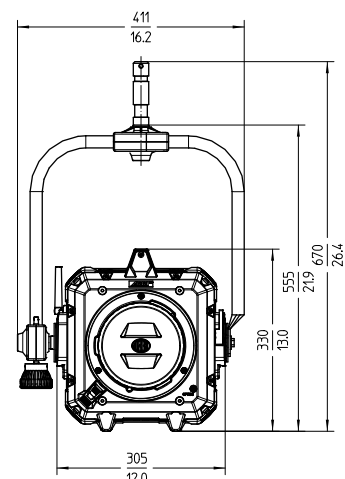|	
Optical System	Changeable optics
Light Aperture	42 mm / 1,66", without optics
Beam Angle	80° half peak angle, without optics
Weight	Fixture only: 11,7 kg / 25.8 lbs With Manual Yoke: 14,2 kg / 31.3 lbs With Pole Operated Yoke: 14,9 kg / 32.9 lbs
Handling	Aluminum yoke with quick release, high strength tilt lock, pole operation option (pan and tilt)
Mounting	28 mm spigot (junior pin)
Tilt Angle	+/- 90° in dry location +75° / -90° in wet location with rain cover
Power Consumption	400 W nominal, 500 W maximum
Voltage Input Range	100 - 240 V~, 50 - 60 Hz
Mains Power Connection	powerCON TRUE1 TOP (Bare Ends / Schuko / Edison, Japanese, Chinese cables available)
DC Voltage Range	48 - 52 V⎓
Battery Connector	3-Pin XLR connector (Pin 1: negative, Pin 2: positive)
White Light	calibrated 2,000 K to 20,000 K continuously variable correlated color temperature
Color Modes	CCT, HSI, RGBACL, x/y coordinates, gel selection, source matching & color sensor plus: extended color control (ECC) for individual finetuning
Color Temperature Tolerance	3.200 to 5.600 K: +/- 100 K (nominal), +/- 1/8 Green-Magenta (nominal)
High Color Rendition Mode	3.200 to 5.600 K: CRI average > 98 TLCI average > 95 TM-30 average > 94
Green-Magenta Adjustment	Continuously adjustable between full minus-green to full plusgreen
Dimming	Smooth, 100 to 0 %, continuously, linear / exponential / logarithmic / "S" curve
Connectivity	Removable Control Panel via PoE, 5-Pin XLR in and through, EtherCON in and through, 2 x USB-A, USB-C, SD Card, sync input
Control Options	DMX 512 (8 & 16 bit), RDM E1.20, wireless control via LumenRadio CRMX[1] (DMX & RDM), Art-Net, sACN, removable Control Panel, integrated webportal
Housing Color	Blue/silver, black
Ambient Temperature Operation	-20 to +45° C (-4 to +113° F)
Protection Class	I
IP Rating	IP 20 without Rain Cover IP 24 with Rain Cover L2.0037805
Estimated LED Lifetime (L70)	50,000 hours
Estimated Color Shift Over Lifetime (CCT)	+/- 5 %
Certifications & Declarations of conformity	CB, CE, UKCA, ENEC, cNRTLus, ICES, FCC, PSE, MIC, KC, SRRC, RCM, IFT, TRA, ETA, ANATEL, ENACOM, NTC

All specifications are typical values. Subject to change without notice.

410
16.1

Fixture only

451
17.8

670
26.4

555
21.9

537
21.1

330
13.0

305
12.0

with Manual Yoke

411
16.2

670
26.4

555
21.9

330
13.0

305
12.0

with Pole Operated Yoke

Photometrics

Download the ARRI Photometrics App or check ARRI.com/Orbiter for more detailed photometric performance data of the Orbiter & all its accessories.

	1 m / 3.3 ft		3 m / 9.8 ft		5 m / 16.4 ft		
	HiCRI	HiOut	HiCRI	HiOut	HiCRI	HiOut	
3.200 K	15.900 lx	16.100 lx	1.780 lx	1.800 lx	640 lx	645 lx	60°
	41.600 lx	44.700 lx	4.620 lx	4.970 lx	1.665 lx	1.790 lx	30°
	130.000 lx	138.000 lx	14.445 lx	15.330 lx	5.200 lx	5.520 lx	15°
	12.082 fc	12.825 fc	1.342 fc	1.425 fc	483 fc	513 fc	
Orbiter with Open Face Optics[2]	3.866 fc	4.154 fc	430 fc	462 fc	155 fc	166 fc	30°
	1.485 fc	1.490 fc	164 fc	167 fc	59 fc	60 fc	60°

	1 m / 3.3 ft		3 m / 9.8 ft		5 m / 16.4 ft		
	HiCRI	HiOut	HiCRI	HiOut	HiCRI	HiOut	
5.600 K	20.000 lx	21.000 lx	2.220 lx	2.333 lx	800 lx	840 lx	60°
	54.900 lx	58.000 lx	6.100 lx	6.445 lx	2.195 lx	2.320 lx	30°
	162.000 lx	178.000 lx	18.000 lx	19.780 lx	6.480 lx	7.120 lx	15°
	15.056 fc	16.543 fc	1.673 fc	1.838 fc	602 fc	662 fc	
Orbiter with Open Face Optics[2]	5.102 fc	5.390 fc	567 fc	599 fc	204 fc	216 fc	30°
	1.859 fc	1.952 fc	206 fc	217 fc	74 fc	78 fc	60°

[1] Brand: LumenRadio AB, Equipment: CRMX TiMo, Model: 200-1502, Product: Orbiter 2.4G Wireless Control Module, Frequency Range: 2402 - 2480 MHz,
Frequency of Operation: 2402 - 2480 MHz, Power Output: 17.51 dBm, Number of Channels: 79, Channel Spacing: 1 MHz, Modulation Type: GFSK
[2] Only 30° Open Face optic depicted.

Orbiter

Orbiter

Configuration Guide - How to set up your Orbiter before purchase

ARRI

1 Fixture Color

Blue/Silver	Black
L1.0033520 Orbiter without Yoke, Cable, etc.*	L1.0033521 Orbiter black without Yoke, Cable, etc.*

*Each version includes a RF Antenna and Protection Cap.

2 Yoke Type

MAN	P.O.
L2.0034025 Manual Yoke*	L2.0036642 P.O. Yoke*

*Each version includes a 28 mm Junior Pin.

3 Power Cables

Mains Cables

powerCON TRUE1 Top (MAN)
with Inline Switch & Mains Connector
L2.0024627　Bare Ends (3 m / 9.8 ft.)
L2.0001486　Schuko (3 m / 9.8 ft.)
L2.0001487　Edison (7 m / 23.0 ft.)
L2.0003678　Chinese (3 m / 9.8 ft.)
L2.0008904　Japanese (3 m / 9.8 ft.)

powerCON TRUE1 Top (P.O.) without Inline Switch & Mains Connector
L2.0001485　Bare Ends (1,5 m / 4.9 ft.)

Daisy Chain Cables

powerCON TRUE1 Top
L2.0010633　CE (3 m / 9.8 ft.)
L2.0012548　UL (3 m / 9.8 ft.)
L2.0012663　Japan (3 m / 9.8 ft.)

4 Control

Incl. Control Panel	Without Control Panel
L2.0033732　Control Panel*	DMX/Network Control ONLY!

L2.0033799　Cable for Control Panel (5 m / 16.4 ft.)
L2.0033800　Cable for Control Panel (15 m / 49.2 ft.)

*The Control Panel comes with Carrying Pouch, Lanyard and D-Ring. The Cable needs to be purchased separately.

5 Optics, Domes and Softboxess

Open Faces
L2.0033542　Open Face 60°
L2.0033541　Open Face 30°
L2.0033540　Open Face 15°
L2.0041133　Orbiter Open Face Kit

Fresnel
L2.0039436　Fresnel Lens 15°-65°

Projections
L2.0033549　Orbiter Projection Optic 25°
L2.0033550　Orbiter Projection Optic 35°

Glass Cover
L2.0039439　Glass Cover

Domes
L2.0039438　Dome Mini
L2.0034266　DoPchoice Dome S
L2.0034267　DoPchoice Dome M
L2.0034268　DoPchoice Dome L
L2.0034621　Chimera Dome M
L2.0034622　Chimera Dome L

Bag-o-Light
L2.0039437　Bag-o-Light

Softboxes
L2.0033840　DoPchoice SNAPBAG® S
L2.0034270　DoPchoice SNAPBAG® M
L2.0034269　DoPchoice Octa 4
L2.0033839　Chimera Lightbank S
L2.0036058　Chimera Lightbank M
L2.0034271　Chimera Octa 4

6 Accessories for Optics

For Open Face, Fresnel and Projection

Barndoors for Open Face 30° / 60° & Projection 25° / 35°
L2.79470.0　4-leaf barndoor (168 mm / 6.6")
L2.79500.0　8-leaf barndoor (168 mm / 6.6")
Barndoors for Open Face 15°
L2.39870.0　4-leaf barndoor (245 mm /9.7") TRUE BLUE
L2.39900.0　8-leaf barndoor (245 mm /9.7") TRUE BLUE
Barndoors for Fresnel 15-65°
L2.40950.0　4-leaf barndoor (344 mm / 13.5") TRUE BLUE
L2.40960.0　8-leaf barndoor (344 mm / 13.5") TRUE BLUE
Other
L2.79480.0　Snoot for Open Face 30° / 60°
L2.79880.0　Snoot for Open Face 15°
L2.0033841　Snoot for Projection 25°/35°
L2.0033843　Gobo Holder for Projection 25°/35°

For Softboxes

DoPchoice SNAPGRIDs® for SNAPBAGs®
L2.0038793　SNAPGRID® S 40°
L2.0038791　SNAPGRID® M 40°
L2.0020275　SNAPGRID® 40° for Octa 4

Grid for Chimera
L2.0041050　EZ POP Soft Egg Crate 50 for Chimera Octa 4

Eyelights for DoPchoice Octa 4
L2.0035809　Eyelight Baffle
L2.0035808　Eyelight Magic Cloth
L2.0035807　Eyelight 1/4 Grid

For third-party Optics
L2.0039421　Orbiter Docking Ring

7 Transport

Case
L2.0034626　Orbiter Case*

Bag
L2.0034624　Bag for Orbiter Open Face Optics**
L2.0033796　Control Panel Carrying Pouch

*Offers space for Orbiter, Yoke, Antenna, Control Panel, Protective Cap, Cables, Barndoors, Rain Cover and Skid

** Offers space for 15°, 30°, 60° Open Face Optics and Protective Cap

8 Miscellaneous

Grip & Mounting
L2.0034272　Skid Silver
L2.0039329　Skid Black

L2.0038027　Mini Variable Friction Arm

L2.8803652　Super Clamp

Protection & Safety
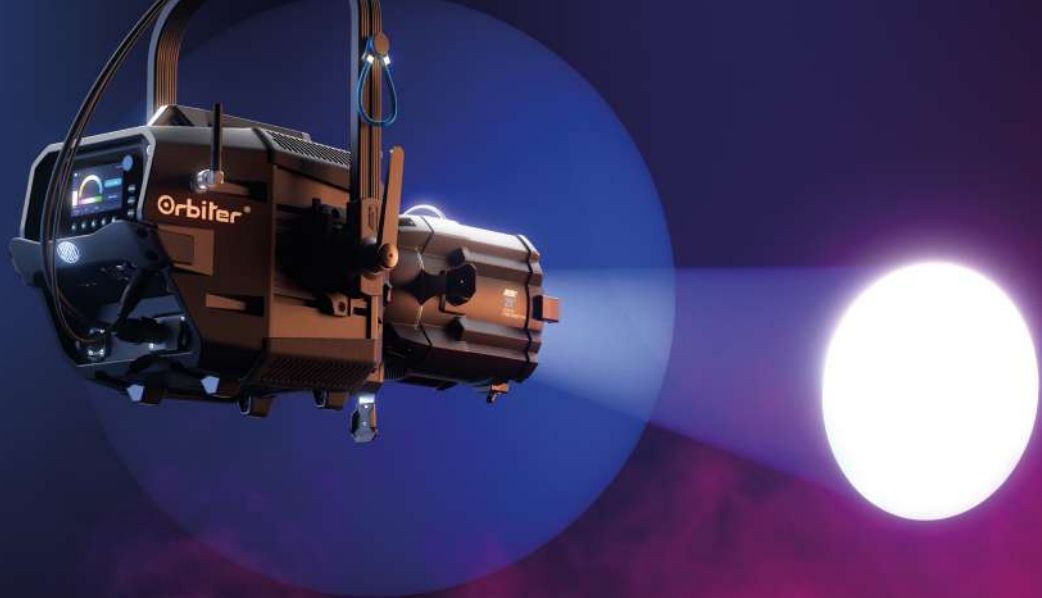L2.0037805　Rain Cover

L2.0034273　Protection Cap

L2.0008899　Safety Cable (3 mm)
L2.0020919　Safety Cable (4 mm)
L2.0007590　Safety Cable (5 mm)

September/2022

Accessories Guide

Orbiter

Orbiter accessories guide

Table of contents

Lamphead control

Stellar

Stellar - the lighting control app from ARRI - provides a smart and innovative way to control professional lighting and is available on iOS and Android phones and tablets. Stellar reimagines lighting control by automatically taking care of complex DMX settings and by featuring control interfaces with beautifully designed graphics. Coded intelligence and advanced communication make connecting ARRI Orbiter, SkyPanel, and L-Series fixtures to the app simple and straightforward. After using Stellar, it will be difficult to go back to controlling lights in any other way.

www.arri.com/stellar

Download on the
App Store

GET IT ON
Google Play

• Control of ARRI and third party fixtures
• Manually add fixtures
• Swap out fixtures
• Grouping fixtures with different CCT ranges
• Share, Sync and backup your work
• Brings gels to the L-Series
• Intuitive and well designed user interface
• Light plot fixture selection
• Auto layout and discovery of fixtures
• Available on iOS and Android

Lamphead control

Orbiter Control Panel

The Orbiter control panel has a 4" full-color display, quick navigation buttons, and integrated sensors. This way, the Orbiter control panel allows for easy use with a graphic user interface. Simplified menu structure and reimagined user interfaces provide one-glance operational views and uncluttered screens. This intuitive design makes changing colors or finding a setting easier than ever before. In addition, the control panel is removable and can be used handheld with the aid of a control panel cable.

• Size: ~155 x 101 x 34 mm / 6.1 x 4.0 x 1.3 in
• Weight: ~0,4 kg / 0.8 lbs
• Optional Orbiter control panel cable 5 m / 16.4 ft. or 15 m / 49.2 ft.
• Includes carrying pouch, lanyard & D-ring

L2.0033732	Orbiter Control Panel

The carrying pouch comes with the purchase of each control panel. It can also be purchased separately.

L2.0033796	Control Panel Carrying Pouch

The control panel cable is not included in the control panel. It must be pruchased separately.

L2.0033799	Cable for Control Panel, 5 m / 16.4 ft.
L2.0033800	Cable for Control Panel, 15 m / 49.2 ft.

Fresnel Lens

Fresnel Lens 15-65°

Creating a precise light spot with a soft single shadow, the Orbiter
Fresnel lens delivers true Fresnel output with a real Gaussian
diffusion. The large zoom range of 15 to 65° is fully motorized
and can be precisely positioned while being controlled locally via
Orbiter's Control Panel or remotely by DMX/RDM or IP based
(ArtNet or sACN).
ARRI accessories like the 4- and 8-leaf barndoors can be added to
the new Orbiter Fresnel lens to enable a perfect cut.

- Size: ~340 x 380 x 370 mm / 13.4 x 15 x 14.6 in
- Weight: ~4.5 kg / 9.5 lbs
- Lens diameter: 285 mm (11.2 in)
- Accessory slot sizes: 344 mm & 330 mm / 13.5 in and 13.0 in
- Fits 4-leaf & 8-leaf barndoors
- Large and fully motorized zoom range of 15-65°
- Zoom range can be controlled locally via Orbiter's Control
  Panel or remotely with DMX/RDM or IP based (ArtNet or sACN)
- A status LED display shows the current zoom angle
- The display backlight can be adjusted

L2.0039436   Orbiter Fresnel Lens 15-65°

Projection Optics

The Orbiter Projection Optics provide unparalleled precision in every detail allowing for crisp projection of a light spot, as well as immaculate gobo projection and precise shutter cuts. The field of light is entirely even and without color aberration. The projection has no visible hot spot or drop to the edge and the depth of field is outstanding. Both optics have a standard iris slot. The four manually adjustable shutter blades of the Projection Optics 25° and 35° produce a beam where any shutter blade cut, and the beam's edge are simultaneously in sharp focus. Orbiter's QLM allows the optics to be mounted safely and quickly onto the Orbiter but still enabling a 90° rotation. It is perfectly suited for theaters, cinematic applications, as well as broadcast studios or live productions.

L2.0033549	Orbiter Projection Optic 25°
L2.0033550	Orbiter Projection Optic 35°

• Motorized focus adjustment which can be controlled locally or remotely
• Standard B-size metal or glass gobo can be added via dedicated Goboholder
• Specific snoot for Projection Optics to eliminate spill light
• Fits 4-leaf & 8-leaf barndoors
• Accessory slot size: 168 mm / 6.6 in

Projection Optic 25°
• Size: ~287 mm x 287 mm x 331 mm / 11.3 x 11.3 x 13.1 in
• Weight: ~5,45 kg / 12 lbs

Projection Optic 35°
• Size: ~287 mm x 287 mm x 284 mm / 11.3 x 11.3 x 11.2 in
• Weight: ~4,35 kg / 9,6 lbs

Open Face Optics

The Open Face Optics produce a high-output, directional beam of light in several different beam angles including 15°, 30°, and 60°. They are perfect for throwing light long distances or providing a broad swath of light. The accessory slot can be used with modifiers such as barndoors or snoots.

L2.0033540	Orbiter Open Face Optic 15°

L2.0033541	Orbiter Open Face Optic 30°

L2.0033542	Orbiter Open Face Optic 60°

• Provides powerful, uniform beam of light
• Fits 4-leaf & 8-leaf barndoors and snoots
• Ships in foam insert that can be re-used for safe transportation and storage

Open Face 15°
• Size: ~265 x 297 x 375 mm / 10.4 x 11.7 x 14.8 in
• Weight: ~2,1 kg / 4.5 lbs
• Accessory slot size: 245 mm / 9.7 in

Open Face 30°
• Size: ~186 x 208 x 157 mm / 7.3 x 8.2 x 6.2 in
• Weight: ~0,9 kg / 1.9 lbs
• Accessory slot size: 168 mm / 6.6 in

Open Face 60°
• Size: ~186 x 208 x 87 mm / 7.3 x 8.2 x 3.4 in
• Weight: ~0,6 kg / 1.4 lbs
• Accessory slot sizes: 168 mm / 6.6 in

Orbiter Open Face Kit

The Open Face Kit for Orbiter is a convenient way to complete your set of Orbiter optics. The kit is lightweight and includes a 15°, 30° and 60° Open Face optic. The optics are packed in a robust bag with reinforced corners, all around-velcro fastenings and adjustable shoulder strap. With the customized foam inlay all parts are perfectly organized, well protected, and ready to go.

- Size: ~75 x 40 x 35 cm / 29.5 x 15.8 x 14.2 in
- Weight: ~8 kg / 17.6 lbs
- Kit incl. bag, 15°, 30° & 60° Open Face Optics for Orbiter
- Robust soft bag with customized foam inlay for Orbiter Open
  Face optics
- Lightweight, compact & ready to go

L2.0041133   Orbiter Open Face Kit

Glass Cover

The Orbiter Glass Cover is a small, compact, and lightweight optical accessory for the Orbiter. With its ultra-translucent glass, the Glass Cover allows for full, unrestricted light output without impacting color temperature or quality. It is ideal for near distance applications with limited available space where much light is needed. Orbiter's QLM allows for the optic to be mounted effortlessly.

- Size: ~157 x 162 x 34 mm / 6.2 x 6.4 x 1.3 in
- Weight: ~0,4 kg / 0.9 lbs
- Very minimal output loss
- 80° beam angle and single hard shadow
- Simultaneous protection of the Orbiter's light engine
  (can be used instead of transport cap cover)

L2.0039439   Orbiter Glass Cover
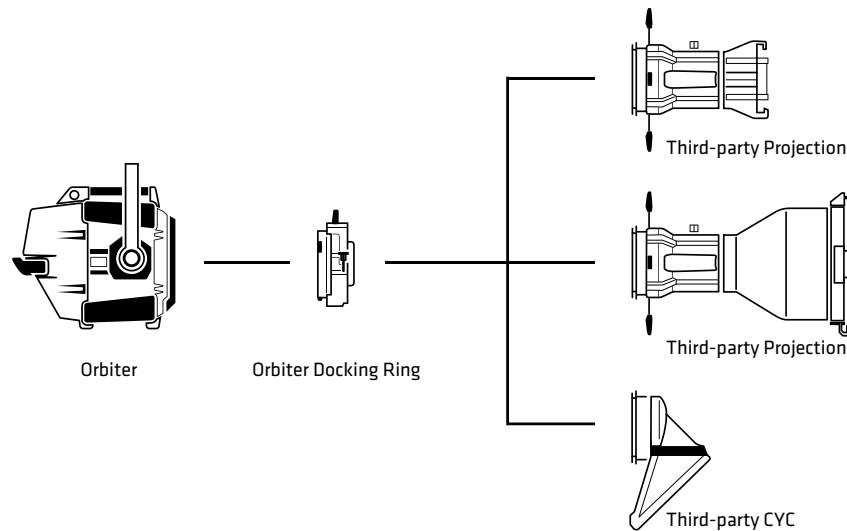
For third-party optics

Orbiter Docking Ring

With the Docking Ring, optics from other manufacturers can be mounted onto the Orbiter while still benefiting from ARRI lighting quality. This adapter attaches effortlessly and without need for any additional tools directly into the Quick Lighting Mount (QLM) of every Orbiter and is automatically recognized by the luminaire. Light output is automatically adjusted for optimal performance. The operation of third-party optics is safe due to the built-in automatic and low-noise cooling fan.

• Size: ~246 x 225 x 86 mm / 9.7 x 8.9 x 3.4 in
• Weight: ~1 kg / 2.2 lbs
• Allows the attachment of third-party optics
• Built-in low-noise cooling system

L2.0039421   Orbiter Docking Ring

Orbiter   Orbiter Docking Ring

Third-party Projection

Third-party Projection

Third-party CYC

Domes

Chimera Domes

L2.0034621	Chimera Dome M

L2.0034622	Chimera Dome L

The dome optics for Orbiter by Chimera are fabric spheres available in two different sizes. They easily attach to the front of the Orbiter and form a lantern shape. The speed ring is specially made to fit the Quick Lighting Mount (QLM) and allows the lightweight domes to be connected to Orbiter. The dome emits omni-directional light, great for illuminating a large area with a beautiful, soft quality of light

• Available sizes:
  M - approx. 50 cm / 20 in diameter
  L - approx. 75 cm / 30 in diameter
• Provides omni-directional, soft light
• Lightweight and professional grade construction and materials
• Attaches to the Quick Lighting Mount (QLM) on Orbiter
• Contains digital optics identification
• Includes lantern, QLM speed ring, skirt set, and storage bag

Domes

DoPchoice Domes

L2.0034266	DoPchoice Dome S

L2.0034267	DoPchoice Dome M

L2.0034268	DoPchoice Dome L

The dome optics for Orbiter by DoPchoice are fabric spheres available in three different sizes. They easily attach to the front of the Orbiter and form a balloon shape. The Quick Lighting Mount (QLM) adapter is pre-installed and the domes setup with one simple action. The domes emit omni-directional light, great for illuminating a large area with a beautiful, soft quality of light.

• Available sizes:
  S - approx. 30 cm / 12 in diameter
  M - approx. 50 cm / 20 in diameter
  L - approx. 100 cm / 39 in diameter
• Provides omni-directional, soft light
• Advanced design for fast setup
• Attaches to the Quick Lighting Mount (QLM) on Orbiter
• Contains digital optics identification
• Includes dome, skirts, and storage sack

Dome Mini

The Orbiter Dome Mini provides great quality omnidirectional light at a high intensity. Compared to the Dome optic, the Dome Mini is a compact version; smaller and therefore lighter. The highly translucent material keeps the light output loss to a minimum compared to the usually larger, cloth-based domes. The QLM (Quick Lighting Mount) in Orbiter allows the quick and easy mount of the Dome Mini. The light it produces is great for near distance applications with limited available space.

- Size: ~157 x 162 x 118 mm / 6.2 x 6.4 x 3.7 in
- Weight: ~0,4 kg / 0.9 lbs
- Produces great-quality omnidirectional light with single soft shadow
- Output loss is kept to a minimum
- Maintains IP24 protection rating of the Orbiter

L2.0039438   Orbiter Dome Mini

Bag-o-Light

Orbiter Bag-o-Light

The Orbiter Bag-o-Light by Licht-Technik is an ideal accessory for close-up applications in motion picture and photography where soft light with almost no shadows is required. This accessory, looking like a huge tube, transforms the light output from the standard 15° Open Face optic on the Orbiter into beautiful soft light. The Bag-o-Light is easily inflated by a standard pump (< 6000 Pa / 60 mbar - not included) or even by mouth and can be quickly mounted to the 15° Open Face optic (not included). It is lightweight at less than 0.86 kg / 1.89 lbs. and only needs little storage space when deflated.

- Size: ~244 mm / 9.6 in diameter; 2 m / 78.7 in long
- Weight: ~0,9 kg / 1.9 lbs
- Delivers beautiful soft light for close-up applications
- Mounts easily and quickly without tools to the Orbiter's 15° Open Face optic
- Ready for use within ~1 minute
- Inflatable via a standard household pump or even by mouth
- Inflated Bag-o-Light system holds for several hours
- Noiseless
- Splashproof
- Pump and Open Face Optic are not included

L2.0039437   Orbiter Bag-o-Light

Softboxes

Chimera Lightbanks

L2.0033839	Chimera Lightbank S

L2.0036058	Chimera Lightbank M

The Lightbanks for Orbiter by Chimera are professional grade softboxes available in two different sizes. With easy attachment and no additional optical elements needed, the lightbanks allow for a controlled soft light with amazing output. The speed ring creates a direct mounting point between the softbox and Orbiter Quick Lighting Mount (QLM). The lightbanks create a large aperture with beautiful soft light.

- Available sizes:
  S - approx. 80 x 60 cm / 32 x 24 in, 45 cm / 18 in deep
  M - approx. 120 x 90 cm / 48 x 36 in, 60 cm / 24 in deep
- Provides controlled soft light and amazing output
- Lightweight and professional grade construction and materials
- Attaches to the Quick Lighting Mount (QLM) on Orbiter
- Contains digital optics identification
- Includes light bank, full & half Chimera cloth front screens,
  inner baffle, QLM speed ring & storage bag

DoPchoice SNAPBAGS®

L2.0033840	DoPchoice SNAPBAG® S

L2.0034270	DoPchoice SNAPBAG® M

The SNAPBAGS® by DoPchoice create a large aperture with beautiful soft light and attach directly to the front of Orbiter and are available in two different sizes. With easy attachment and no additional optical elements needed, the SNAPBAGS® allow for a controlled soft light with amazing output. The Quick Lighting Mount (QLM) adapter and four Rabbit-Ears are pre-assembled and thus the SNAPBAGS® are setup very quick.

• Available sizes:
   S - approx. 80 x 60 cm / 30 x 24 in, 50 cm / 19 in deep
   M - approx. 120 x 85 cm / 46 x 33 in, 80 cm / 31 in deep
• Provides controlled soft light and amazing output
• Professional grade construction for fast setup
• Attaches to the Quick Lighting Mount (QLM) on Orbiter
• Contains digital optics identification
• Includes SnapBag with circular Rabbit-Ears, magic cloth,
   storage sack

Softboxes

DoPchoice SNAPGRID® S 40°

The small 40° SNAPGRID® by DoPchoice attaches directly to the front of small DoPchoice SNAPBAGS®, incl. the SNAPBAG® S for Orbiter. In addition it fits the Chimera Lightbank for S30 and the Chimera POP Bank for S60. The SNAPGRID® provides directional light control and easily folds away for storage.

• Approx. 75 x 54 x 8 cm / 30 x 21 x 3 in
• Fits DoPchoice SNAPBAG® S for Orbiter, Chimera Lightbank for S30, and Chimera POP Bank for S60
• Half Peak Angle: 40°
• No mounting hardware required
• Incl. carrying bag

L2.0038793   DoPchoice SNAPGRID® S 40°

DoPchoice SNAPGRID® M 40°

The medium 40° SNAPGRID® by DoPchoice attaches directly to the front of medium DoPchoice SNAPBAGS®, incl. the SNAPBAG® M for Orbiter. The SNAPGRID® provides directional light control and easily folds away for storage.

• Approx. 111 x 82 x 8 cm / 44 x 32 x 3 in
• Fits DoPchoice SNAPBAG® M for Orbiter
• Half Peak Angle: 40°
• No mounting hardware required
• Incl. carrying bag

L2.0038791   DoPchoice SNAPGRID® M 40°

Octagon

Chimera Octagon

The Chimera Octa 4 for Orbiter uses a large aperture togenerate extremely soft, yet bright light. The speed ring creates a direct mounting point between the Chimera Octagon and Orbiter. It holds Orbiter directly in the center of a 4 ft. diameter octagon shaped light bank. The Chimera Octa is perfect for beauty shots.

• Approx. 135 cm / 53 in diameter, 75 cm / 29 in deep
• Bright and super soft
• Lightweight and professional grade construction and materials
• Attaches to the Quick Lighting Mount (QLM) on Orbiter
• Contains digital optics identification
• Includes light bank, full and half Chimera cloth front screens,
  inner baffle, QLM speed ring & storage bag

L2.0034271	Chimera Octa 4

EZ POP Soft Egg Crate 50° for Chimera Octa 4

The soft egg crate from Lighttools attaches to the front of the Chimera Octa 4 for Orbiter and provides directional light control. With a built-in tensioning frame the soft egg crate is kept taut and in perfect formation regardless of how your softbox is angled. It easily folds away for storage.

• Provides directional light control
• Fits Chimera Octa 4 for Orbiter
• Approx. 50∞ half peak angle (HPA)
• No mounting hardware required

L2.0041050	EZ POP Soft Egg Crate 50° for Chimera Octa 4

Octagon

DoPchoice Octagon

The DoPchoice Octa 4 for Orbiter uses a large aperture to generate extremely soft, yet bright light. The Quick Lighting Mount (QLM) adapter and eight Rabbit-Ears are pre-assembled and directly fixed on the octagon. It holds Orbiter directly in the center of a 4 ft. diameter octagon shaped softbox. The DoPchoice Octa is perfect for beauty shots.

• Approx. 120 cm / 47 in diameter, 75 cm / 30 in deep
• Bright and super soft
• Professional grade construction for fast setup
• Attaches to the Quick Lighting Mount (QLM) on Orbiter
• Contains digital optics identification
• Includes circular Rabbit-Ears, magic cloth, 3D baffle & storage sack

L2.0034269   DoPchoice Octa 4 for Orbiter

DoPchoice SNAPGRID® 40° for Octa 4

The SNAPGRID® for the Octa 4 by DoPchoice attaches to the front of the Orbiter and SkyPanel Octa 4 and provides directional light control. The SNAPGRID® attaches to the DoPchoice Octa 4 and easily folds away for storage.

• Provides directional light control
• Approx. 40° half peak angle (HPA)
• No mounting hardware required

L2.0020275   DoPchoice SNAPGRID® 40° for Octa 4

Octagon

DoPchoice Eyelights for Octa 4

L2.0035807	DoPchoice Octa 4 Eyelight 1/4 Grid

L2.0035808	DoPchoice Octa 4 Eyelight Magic Cloth

L2.0035809	DoPchoice Octa 4 Eyelight Baffle

The Eyelights for Octa 4 by DoPchoice replace the front diffusion of the DoPchoice octagon. They provide a distinct ring light effect in eyes for beauty or portrait shooting, while generating soft skin tones. The Eyelights are a perfect addon for still photography lighting.

• 1/4 Grid Screen with 50 cm / 19.7 in black circle in center
• Magic Cloth Screen with 50 cm / 19.7 in black circle in center
• Baffle, black/soft silver, 60 cm / 23.6 in
• Great for still photography lighting

Octa 4 with SkyPanel depicted.

Barndoors

4-leaf barndoors

The 4-leaf barndoor allows for control of light spill and control of the beam. Different size optics require different size barndoors. Select the barndoor accordingly.

• Lightweight and rugged design
• 4-leaf design with ARRI standard
  - 168 mm / 6.6" diameter for Open Face 30° / 60°,
    Projection 25° / 35°
  - 245 mm / 9.7" diameter for Open Face 15°
  - 344 mm / 13.5" diameter for Fresnel 15-65°

L2.79470.0	4-leaf barndoor (168 mm / 6.6")
L2.39870.0	4-leaf barndoor (245 mm / 9.7") True Blue
L2.40950.0	4-leaf barndoor (344 mm / 13.5")

8-leaf barndoors

The 8-leaf barndoor allows for control of light spill and control of the beam. The 8-leaf design provides additional dimensions of control. Different size optics require different size barndoors. Select the barndoor accordingly.

• Lightweight and rugged design
• 8-leaf design with ARRI standard
  - 168 mm / 6.6" diameter for Open Face 30° / 60°,
    Projection 25° / 35°
  - 245 mm / 9.7" diameter for Open Face 15°
  - 344 mm / 13.5" diameter for Fresnel 15-65°

L2.79500.0	8-leaf barndoor (168 mm / 6.6")
L2.39900.0	8-leaf barndoor (245 mm / 9.7") True Blue
L2.40960.0	8-leaf barndoor (344 mm / 13.5")

Snoots

Snoots for Open Face Optics

The funnel-shaped snoot has a variable aperture narrowing thebeam into soft-edged circles and minimizing spill light. The insideis provided with a matt, non-reflecting surface

• 168 mm / 6.6 in for 30° and 60° Open Face Optics
• 245 mm / 9.7 in for 15° Open Face Optics
• Robust design
• Projects a cirucular shape
• Variable aperture for different beam spreads
• Slides into accessory slot of the Open Face Optics

L2.79480.0	Snoot (168 mm / 6.6")
L2.79880.0	Snoot (245 mm / 9.7")

Snoot for Projection Optics

The Cylinder-shaped snoot has a fixed aperture eliminating the spill light of the Projection Optics without narrowing the beam angle. The inside is provided with a matt, non-reflecting surface.

• 168 mm / 6.6 in for 25° & 35° Projection Optics
• Robust design
• Eliminates spill light
• Slides into accessory slot of the Projection Optics

L2.0033841	Snoot for Orbiter Projection Optic 25°/35°

Gobo Holder

Gobo Holder for Projection Optics

A standard B-size metal or glass gobo can be added to the Orbiter
Projection Optic 25° and 35° via the dedicated Gobo Holder.

| L2.0033843 | Gobo Holder for Orbiter Projection Optic 25° / 35° |

Yokes

Yokes

L2.0034025	Orbiter Manual Yoke

L2.0036642	Orbiter P.O. Yoke

The yokes for Orbiter come with a newly developed release system that allows for quick change from a manual version lamphead to a pole operated version. The 28 mm spigot (Junior pin) is already mounted on the yoke. No tools needed for setting up Orbiter.

Manual yoke made of high strength aluminum profile
• Size: ~451 x 553 x 77 mm / 17.8 x 21.8 x 3.0 in
• Weight: ~2,5 kg / 5.6 lbs

Steel yoke for pole operation (pan, tilt)
• Size: ~411 x 593 x 118 mm / 16.2 x 23.3 x 4.6 in
• Weight: ~3,2 kg / 7.0 lbs

Mini Variable Friction Arm

Constructed from lightweight, strong aluminum this professional variable friction arm is both flexible and versatile. It is designed to match with a whole array of standard size 1/4" and 3/8" attachments. With this variable friction arm, you will enjoy full, fuss-free range of movement. In combination with the super clamp this friction arm is the perfect complement for attaching the Orbiter control panel to a great variety of surfaces while keeping it organized and flexible.

• Professional variable friction arm by Manfrotto
• Solid aluminium arm for maximum strength and durability
• Supports up to 3 kg / 6.6 lbs
• Includes two 6.4 mm / 1/4 in adapters & one 9.5 mm / 3/8 in adapter

L2.0038027   Mini Variable Friction Arm

Super Clamp without Stud

The multipurpose clamp is a versatile, professional standard and superior quality clamp for a whole range of applications. The compact and lightweight clamp can hold onto just about anything, including round and square surfaces. Mounting otions include M5 & 1/4'' threads for limitless mounting options. In combination with the mini variable friction arm this super clamp is the perfect complement for attaching the Orbiter control panel to a great variety of surfaces while keeping it organized and flexible.

• High quality and versatile clamp by Manfrotto
• Can clamp onto a variety of round and square surfaces
• Supports up to 15 kg / 33 lbs
• Incl. M5 & 1/4 in threads

L2.8803652   Super Clamp Adapter

Skids

Orbiter Skids

The skid can be mounted easily to Orbiter replacing the feet.
Equipped with the skid Orbiter is perfectly prepared for heavy
duty daily work in rough environments. It is ideal for transport
on trolleys or for storage in compartments on trucks.

• Size: ~380 x 260 x 36 mm / 15.0 x 10.2 x 1.4 in
• Weight: ~1 kg / 1.9 lbs
• Pipe diameter: 20 mm / 0.79 in
• Made of endurable powder-coated steel
• Silver or black version available
• Replaces Orbiter feet

L2.0034272	Orbiter Skid Silver
L2.0039329	Orbiter Skid Black

Mains cable, powerCON TRUE1 TOP

The mains cables connect Orbiter to a mains power outlet
(100-240 V~, 50/60 Hz).

• powerCON TRUE1 TOP connector
• Line switch (except Bare Ends cable)
• Lengths: 1.5 m, 3 m and 7 m / 4.9 ft., 9.8 ft. and
  23.0 ft. available
• Rubber insulated cable H07RN-F 3G1,5, EN (Bare Ends,
  Schuko, Chinese)
• Rubber insulated cable HVCTF 3x2,0, PSE (Japanese)
• Rubber insulated cable SJO(OW) 3x14AWG, UL (Edison)

L2.0001485	Mains cable, 1.5 m / 4.9 ft., powerCON TRUE1 TOP / Bare Ends
L2.0024627	Mains cable, 3 m / 9.8 ft., powerCON TRUE1 TOP / Bare Ends, with line switch
L2.0001486	Mains cable, 3 m / 9.8 ft., powerCON TRUE1 TOP / Schuko, with line switch
L2.0003678	Mains cable, 3 m / 9.8 ft., powerCON TRUE1 TOP / Chinese, with line switch
L2.0008904	Mains cable, 3 m / 9.8 ft., powerCON TRUE1 TOP / Japanese, with line switch
L2.0001487	Mains cable, 7 m / 23.0 ft., powerCON TRUE1 TOP / Edison, with line switch

Daisy Chain cable, powerCON TRUE1 TOP

The daisy chain cable allows for Orbiter to Orbiter mains power connection. Orbiter is thereby able to pass AC power through to another powerCON device.

• Male to female powerCON TRUE1 TOP connector
• 3 m / 9.8 ft. in length
• 16 A max. current
• Rubber insulated cable H07RN-F 3G1,5, EN
  (Bare Ends, Schuko, Chinese)
• Rubber insulated cable SJO(OW) 3x14AWG, UL (Edison)
• Rubber insulated cable HVCTF 3x2,0, PSE (Japanese)

L2.0010633	Daisy Chain cable, 3 m / 9.8 ft., powerCON TRUE1 TOP / CE
L2.0012548	Daisy Chain cable, 3 m / 9.8 ft., powerCON TRUE1 TOP / UL
L2.0012663	Daisy Chain cable, 3 m / 9.8 ft., powerCON TRUE1 TOP / Japan

Control Panel cable

The Control Panel cable allows for the remote usage of the Control Panel. Simply pop out the Control Panel from Orbiter, connect the cable, and pick up right where you left off. The cable comes in two different lengths.

• Comes in 5 m / 16.4 ft. or 15 m / 49.2 ft. lengths
• High quality cable for tough locations
• 4-pin LEMO locking connectors

L2.0033799	Cable for Control Panel, 5 m / 16.4 ft.
L2.0033800	Cable for Control Panel, 15 m / 49.2 ft.

Bags & kits

Bag for Orbiter Optics

The soft bag for Orbiter provides protection and easy transportation of the three different open face optics and smaller softboxes. The foam inlay is customized and keeps the 15°, 30° and 60° Open Face Optics organized and protected as well as the Protection Cap. This robust bag is made of fabric and reinforced on all corners.

• Size: ~ 75 x 40 x 35 cm / 29.5 x 15.8 x 14.2"
• All-around velcro fastenings
• Holds Orbiter Open Face Optics 15°, 30° & 60°
  and Protection Cap
• Adjustable shoulder strap and handles

L2.0034624   Bag for Orbiter Optics*

*Product comes without Open Face Optics.

Control Panel carrying pouch

The carrying pouch provides protection and storage for the control panel when not in use. It comes with the purchase of each Orbiter control panel but can also be purchased separately.

• Size: ~18 x 12 x 6 cm / 7.1 x 4.7 x 2.4 in
• Weight: ~0,9 kg / 2.0 lbs
• Robust soft bag
• Holds control panel for Orbiter
• Cover flap with velcro fasteners
• Loop for attachment to a belt

L2.0033796   Control Panel Carrying Pouch

Orbiter Case

The plastic molded case for Orbiter is robust, water and dust-resistant and perfect for transporting Orbiter without the risk of damage. The customized foam inlay contains several compartments to keep all parts organized and protected. The case provides space for one Orbiter with skid or feet mounted, with or without attached rain cover, the manual yoke incl. spigot, the control panel, one AC and one control panel cable, and two barndoors (4- or 8-leaf design) with 168 mm / 6.6" & 245 mm / 9.7" diameter.

- Size: ~80 x 55 x 40 cm / 32.1 x 21.3 x 16.8 in
- Weight: ~14 kg / 30.9 lbs
- Water & dust proof
- Compartments to keep Orbiter and its parts organized & protected
- Wheels and handles for convenient mobility

L2.0034626   Orbiter Case*

*Case comes without Orbiter and accessories.

Protection

Orbiter Protection Cap

The Orbiter Protection Cap protects the light engine of Orbiter during transportation. This cap comes with Orbiter, however a spare or replacement unit can be purchased. It is recommended to always use the protection cap during transportation of the fixture.

• Size: ~157 x 162 x 37 mm / 6.2 x 6.4 x 1.4 in
• Weight: ~0,3 kg / 0.6 lbs
• Protection cap locks into the Quick Lighting Mount (QLM) of Orbiter
• Contains digital optics identification
• Made of durable, high quality plastics

L2.0034273   Orbiter Protection Cap

Orbiter Rain Cover

The rain cover is built to last and protect the ports of Orbiter permanently. Its design nestles up against the back of the Orbiter. The two lateral velcro straps ensure a permanent secure fit. The cable routing allows the use of all existing interfaces.

• Size: ~268 x 280 x 150 mm / 10.6 x 11.0 x 5.9 in
• Weight: ~0,5 kg / 0.9 lbs
• Endurable transparent material
• Control Panel display fully visible
• Easy cable routing
• Makes Orbiter permanent IPx4, weatherproof

L2.0037805   Orbiter Rain Cover

Safety cable

Made of wire rope with a one-sided, captive, crimped-in chain quick-release fastener the safety cable will provide an extra level of safety once attached properly to Orbiter and Orbiter accessories. The safety cables are available in different length and diameters.

• D = 3 mm / 0.1 in, L = 0.6 m / 23.6 in, max. load 5 kg / 11.1 lbs
• D = 4 mm / 0.16 in, L = 1 m / 39.4 in, max. load 16 kg / 35.0 lbs
• D = 5 mm / 0.20 in, L = 1 m / 39.4 in, max. load 25 kg / 55.0 lbs
• One-sided, captive, crimped-in chain quick-release fastener

L2.0008899	Safety cable (3 mm)*
L2.0020919	Safety cable (4 mm)*
L2.0007590	Safety cable (5 mm)*

*These products are not available for the US market.

90° Angled Antenna

The antenna's design ensures maximal transmission and range. The rotatable position helps to find best radio performance depending on mounting and location.

• 2.4 GHz
• 2 dBi gain
• Homogeneous radiation pattern

L2.0036546	90° Angled Antenna

Resources and contacts

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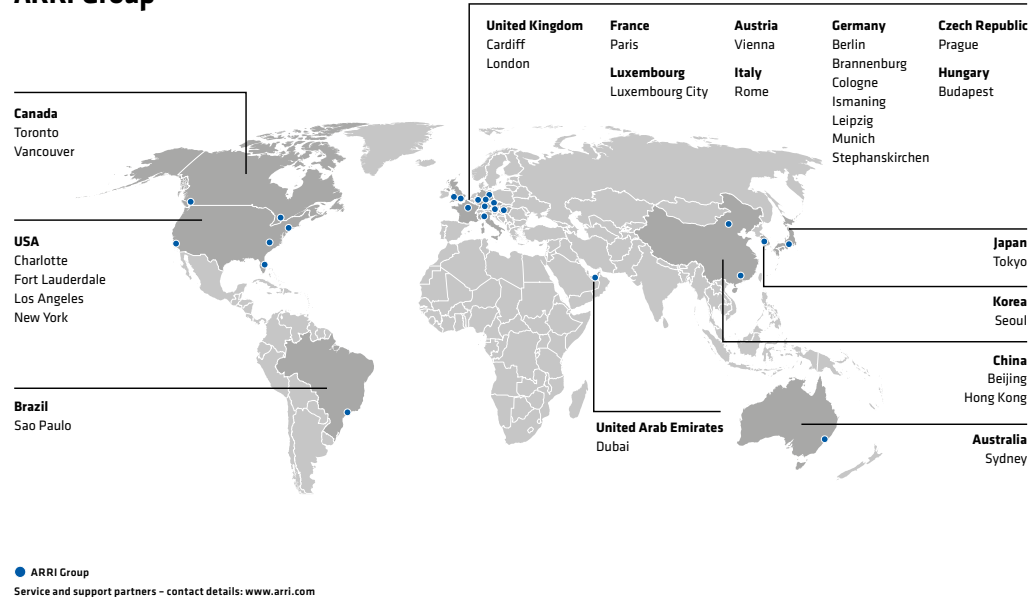info@arri.kr
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Zone	Availability	Service Center	E-Mail	Telephone Hotline
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2	Monday – Friday: 09:00 – 17:30 (EST)	**New York, USA** ARRI Inc. East Coast	service-lighting@arri.com	+1 845 353 1400
2	Monday – Friday: 08:30 – 17:15 (PST)	**Burbank, USA** ARRI Inc. West Coast	service-lighting@arri.com	+1 818 841 7070
3	Monday – Friday: 09:00 – 18:00 (HKT)	**Hong Kong, China** ARRI Hong Kong Limited	service@arri.asia	+852 2537 4266
3	Monday – Friday: 09:00 – 18:00 (CST)	**Beijing, China** ARRI China (Beijing) Co. Ltd.	service@arri.cn	+86 5900 9680
3	Monday – Friday: 08:00 – 17:00 (AEST)	**Sydney, Australia** ARRI Australia Pty Limited	service@arri.com.au	+61 2 9855 4300

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Service and support partners – contact details: www.arri.com

Online resources

Downloads
Orbiter data sheets, manuals and brochure   www.arri.com/orbiter/downloads

Software tools
LIOS Firmware   www.arri.com/lios
ARRI Lighting Service Manager   www.arri.com/lighting/alsm
Photometric Calculator App   www.arri.com/lighting/photometric

Orbiter

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