ETC®

ColorSource™ CE Spot

ColorSource Series

ETL_us c_ETL   **100V   115/120V   230/240V**

GENERAL INFORMATION

The ETC ColorSource Spot brings together the affordability of a four-colour light engine with the build-quality and support of an ETC product. Using a unique mix of red, green, blue and lime LED emitters, the ColorSource spot allows for an amazing range of colour and depth, unlike other low-cost LED fixtures. Because it utilizes standard ETC optics, adapters and accessories, it is a versatile solution for any lighting need.

APPLICATIONS
- Houses of worship
- Universities and schools
- Hospitality
- Retail
- Exhibition centres
- Meeting rooms
- Clubs
-

PRODUCT FEATURES
- ETC's new RGB-L array (Red, Green, Blue and Lime)
- Simple user interface with seven-segment display
- PowerCON in and thru connectors
- DMX/RDM in and thru (5-pin XLR or EtherCON/RJ45)
- LED droop compensation
- Optically calibrated
- Tour-ready, aluminium housing

ORDERING INFORMATION

ColorSource Spot Light Engine with Shutter Barrel
(For use with fixed-field lens tubes only)

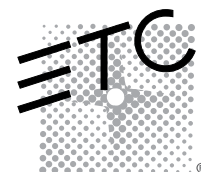| PART NO.	DESCRIPTION
7413A1201	ColorSource CE Spot with Shutter Barrel, black XLR5 connectors
7413A1211	ColorSource CE Spot with Shutter Barrel, black EtherCON/RJ45 connectors

ColorSource Spot Light Engine Body
(For use with zoom lens tubes and adapters and for retrofit of existing fixtures)

PART NO.	DESCRIPTION
7413A1200	ColorSource CE Spot, Body Only, black XLR5 connectors
7413A1210	ColorSource CE Spot, Body Only, black EtherCON/RJ45 connectors

Colour options: -1 = White, -5 = Silver Grey, -8 Custom Colour
Fixture ships with 1.8m PowerCON to bare ends power input lead and Soft Focus Diffuser in gobo holder.

Please note: Lens Tubes, Fresnel and CYC Adapter to be ordered separately.

SPECIFICATIONS

GENERAL
- 60 LED colour mixing fixture
- CE compliant
- IP20-rated for indoor dry location use
- Power and DMX in/thru connections for easy setup
- Simple seven-segment, three-button interface with easy access to 12 customizable presets and sequences

PHYSICAL
- Rugged, die-cast, all-metal housing
- Available in black (standard), white and silver grey. Custom colours available on request
- Positive-locking double-clutch fixture body
- Slot for glass or stainless steel or film gobo patterns and Soft Focus Diffuser media
- Wide accessory slot with sliding cover for motorised effect devices, A-size gobos or optional drop-in iris-

ELECTRICAL
- 100VAC to 240VAC 50/60Hz universal power input
- PowerCON power in and thru connections
- Up to eight ColorSource Spot fixtures (15A max) may be linked via power thru connector when used with Sensor or Unison Relay Modules
  - Consult breaker-trip curves when used with other equipment. Requires power from a non-dim source
- Inrush current 230V: 46A (For about one half-cycle)

LED*
- 20,000-hour LED life (20,000 hours to 70% intensity)
- 60 Luxeon® Rebel LED emitters

*See additional LED notes on page four

COLOUR
- Exclusive RGB-L colour array
- Brightness and colour range unlike any other four-colour system.
- Optical calibration for consistency from fixture to fixture
- Droop compensation for consistent output and colour accuracy

OPTICAL
- Use the included Soft Focus Diffuser for creating washes or soft light distribution
- Best performance using ETC's EDLT lens tubes
- Can use all ETC Source Four® interchangeable lens tubes: 5°, 10°, 14°, 19°, 26°, 36°, 50°, 70°, and 90° field angles, as well as 19°, 26°, 36°, and 50° EDLT lenses
- For better performance, use the LED 50° l ens tube
- Can be used with Source Four LED CYC and Fresnel adapters

CONTROL
- Available with DMX512 in and thru via five-pin XLR or EtherCON/RJ45 connectors
- Simple RGB control (IRGBS profile)
- See DMX Control Table for additional information
- 15-bit virtual dimming engine provides smooth, high-quality theatrical fades and minimises colour shift during dimming
- RDM functionality for address and setting change
- Local control of presets (12) and sequences (5)

SPECIFICATIONS

THERMAL
- Ambient operating temperature of 0° to 40°C
- Active electronic thermal management for droop-free operation
- Quiet fan cooling
- Fixture is designed for continuous operation up to 40°C ambient temperature and requires free flow of air around fixture housing

ADDITIONAL ORDERING INFORMATION

Cable options

NOTE: Power thru jumpers connect to fixture's output (thru) connector to provide link to successive fixtures.

PART NO.	DESCRIPTION
7410B7013	1.8m PowerCON to bare-end power input cable (Spare)
7410K1101	1m PowerCON to bare end power thru cable 3x1mm^2
7410K1102	1m PowerCON to PowerCON fixture to fixture jumper cable 3x1mm^2
7410K1103	2m PowerCON to PowerCON fixture to fixture jumper cable 3x1mm^2
7410K1104	5m PowerCON to PowerCON fixture to fixture jumper cable 3x1mm^2
7410K1105	1m fixture to fixture twin jumper cable with both power and DMX connectors
7410K1106	2m fixture to fixture twin jumper cable with both power and DMX connectors
7410K1107	5m fixture to fixture twin jumper cable with both power and DMX connectors
W6538	2m Simple RJ45 to female five-pin XLR converter
W6539	2m Simple RJ45 to male five-pin XLR converter

Diffusers

PART NO.	DESCRIPTION
7460A4019	Source Four LED - Soft Focus Diffuser (spare)
7460K1006	Source Four LED - Soft Focus Diffuser permanent installation Kit (magnets + diffuser)
7460K1006	Source Four LED - Smooth Wash Diffuser for use in 159mm Colour Frames (19^0-26^0-36^0- and 50^0 Lens Tubes)
7460K1002	Source Four LED - Smooth Wash Diffuser for use in 190mm Colour Frames (14^0-50^0 LED-70^0-90^0 and Zoom Lens Tubes
7460K1003	Source Four LED - Smooth Wash Diffuser for use in 305mm Colour Frames (10^0 Lens Tubes)
7460K1004	Source Four LED - Smooth Wash Diffuser for use in 356mm Colour Frames (5^0 Lens Tubes)

The Soft Focus Diffuser elivers beautiful, homogenised light when not in sharp focus. Also, use in combination with gobo patterns for dappled and soft-edge projections. The Smooth Wash Diffuser is used when extra-smooth blending of multiple ColorSource Spot luminaires is required. The smooth wash diffuser is placed into the gel-frame slot of the lens tube.

PREFERRED LENSING OPTIONS
(Lenses sold separately)

Fixed Field Lens Tubes

PART NO.	DESCRIPTION
7460A2008	LED-specific 50° EDLT Lens Tube, Black
7060A2048	36° EDLT Lens Tube, Black
7060A2047	26° EDLT Lens Tube, Black
7060A2046	19° EDLT Lens Tube, Black
7060A2052-K	90° Lens Tube
7060A2051-K	70° Lens Tube
7060A2050-K	14° Lens Tube
7060A2001-K	10° Lens Tube
7060A2000-K	5° Lens Tube

Zoom Lens Assemblies
Use with light-engine body models.

PART NO.	DESCRIPTION
7060A2030-K	Source Four 15-30° Zoom Lens Tube
7060A2032-K	Source Four 25-50° Zoom Lens Tube

Source Four LED CYC Adapter
Use with light-engine body models

PART NO	DESCRIPTION
7460A2011	Source Four LED CYC Adapter, Black
7460A2014	Source Four LED CYC Barndoor (horisontal leaves)
PSF1118	Source Four LED CYC Floor Base

Source Four LED Fresnel Adapter
Use with light-engine body models

PART NO	DESCRIPTION
7460A2016	Source Four LED Fresnel Adapter, Black
PSF1101	Source Four Fresnel Barndoor, Black

Power Consumption RGB at 100% (Regulated Mode)

MODEL	VOLTAGE (V)	CURRENT (A)	MAX POWER (W)
ColorSource Spot	230	0.65	141

ADDITIONAL ORDERING INFORMATION

Typical accessories

PART NO.	DESCRIPTION
7060A1012	Source Four Drop-In Iris
7060A1075	Size B Metal Gobo Holder
7060A1075-1	Size B Glass Gobo Holder
7060A1074	Size A Metal Gobo Holder (For use in Effects slot)
7060A1074-1	Size A Glass Gobo Holder (For use in Effects slot)

NOTES ABOUT LED LUMINAIRES

All LED sources experience some lessening of light output and some colour shift over time. LED output will vary with thermal conditions. Based on the LED manufacturer's B50 L70 specification, a ColorSource Spot luminaire will achieve ~70% of its initial output after 20,000 hours of typical usage. In individual situations, LEDs will be used for different durations and at different levels. This can eventually lead to minor alterations in colour performance, necessitating slight adjustments to presets, cues or programs.

PHOTOMETRY

See ColorSource Spot Photometry Guide available at www.etcconnect.com

PHYSICAL

ColorSource Spot Weights

	WEIGHT*	SHIPPING WEIGHT
	kgs	kgs
With Barrel	7.7	10
Without Barrel	5.9	7.4

* Does not include mounting hardware or lens tube

ColorSource Spot Dimensions

	HEIGHT	WIDTH	DEPTH
	mm	mm	mm
ColorSource Spot	593	339	672