



GENERAL INFORMATION

The Selador Series high power Lustr CE fixture is ideal for stage and studio lighting as a key or fill light as well as stage washes. It produces the subtle tinted colours that lighting designers love. It produces the entire CCT range of white light and the subtly tinted colours that lighting designers love. The x7 Color System illuminates skin tones and renders objects more like conventional tungsten and gel colour sources but does not give up Selador Series' unique ability to produce deep, vibrantly saturated colours.

APPLICATIONS

- Theatre
- Themed Entertainment
- TV Studio
- Film Studio
- Museum
- Congress Centre

SUGGESTED APPLICATIONS

LUSTR CE	11	21	42	63
Truss warmer	•			
Front light	•	•		
Side light	•	•		
Key light	•	•		
Fill light	•	•	•	
Specials	•	•		
Downlight	•	•	•	•
Backlight	•	•	•	•
Stage wash	•	•	•	•
Cyc light	•	•	•	•

ORDERING INFORMATION

Selador Lustr CE

PART NO.	DESCRIPTION
7401A1121	Selador Lustr CE 11 (one cell)
7401A1122	Selador Lustr CE 22 (two cell)
7401A1124	Selador Lustr CE 42 (four cell)
7401A1126	Selador Lustr CE 63 (six cell)

Note: Units ship with mounting bolts and 1.5m PowerCon to bare end pigtail only. Mounting hardware and secondary lenses must be ordered separately.

Accessories

PART NO.	DESCRIPTION
7400A1001	Selador Trunion Kit (Set of two)
7060A1041	Hanging Bracket Kit (Set of two)
7401A1002	Selador CE 11 Yoke Kit
7401A1004	Selador CE 11 Double Yoke Kit
7401A1003	Selador CE 21 Yoke Kit
7401A1005	Selador CE 21 Double Yoke Kit
7401B7008	1.5m PowerCon to bare end pigtail (Spare)

See page 2 for Selador secondary lenses



SPECIFICATIONS

GENERAL

- 2.5W colour-mixing LED fixture
- Available in 11, 21, 42, and 63 versions
- CE compliant
- IP20 rated for indoor dry location use

PHYSICAL

- Rugged all-metal extruded housing
- Advanced thermal management systems for long LED life
- Easy-access slots for secondary lenses
- Combine secondary lenses for desired horizontal and vertical beam spread
- Available in black (standard) and silver (special order)
- Yoke (Single and double 11 and 21 fixtures), trunnion (floor stand), and hanging bracket mounting options

ELECTRICAL

- 100VAC to 240V 50/60 Hz universal power input
- Neutrik PowerCon input connector
- 1.5m power lead (PowerCon to bare end pigtail) supplied
Requires power from non-dim source
- Low speed, low noise temperature controlled cooling fan for thermal stability

LED*

- 50,000 hr. LED life
- 40 Luxeon Rebel 2.5W LED emitters per cell
* See additional LED notes on page 3

COLOUR

- Exclusive x7 Color System 7-colour LED array
- Lustr – optimised for the best whites and tints
- Colour rendering as high as 90 CRI
- Interacts seamlessly with conventional sources
- Achieve natural-looking 3200°K – or any other Correlated Colour Temperature (CCT) white light from 800°K to 20,000°K
- Beautifully illuminates skin tones and other objects, for a natural appearance with high colour rendering

OPTICAL

- Native beam spread of approximately 26°
- Secondary lenses install in fixture front to change distribution of light
- Use a combination of vertical and horizontal lenses to spread light both directions
- Lenses must be ordered separately

CONTROL

- DMX512 in and through via 5-pin XLR connectors
- 8 channel control (7 colours plus intensity)
- Intensity channel minimises colour shift during dimming
- 15-bit internal control for smooth low-end dimming
- 21 fixture provides 2 independently controlled cells
- 42 fixture provides 4 independently controlled cells
- 63 fixture provides 6 independently controlled cells

THERMAL

- Ambient operating temperature of 0°- 40°C)
- Fixture case can become very hot (approx. 85°C) under long term, high output, continuous usage
- Fixture is designed for continuous usage at 40°C ambient temperature. Requires free air flow around fixture

POWER CONSUMPTION AT FULL INTENSITY

MODEL	VOLTAGE (V)	CURRENT (A)	WATTS (W)
Lustr 11 CE	230	0.6	144W
Lustr 21 CE	230	1.2	288W
Lustr 42 CE	230	2.4	576W
Lustr 63 CE	230	3.6	864W

ADDITIONAL ORDERING INFORMATION

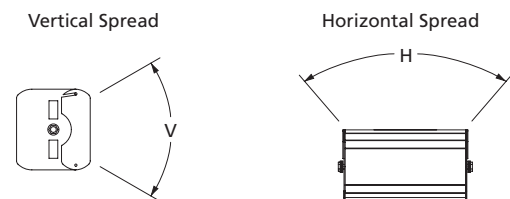
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Selador Secondary Lenses

PART NO.	DESCRIPTION
7400A40x1*	20°, 30°, 40°, 60° or 80° Secondary Lens – Horizontal spread 267mm (1 cell width)
7400A40x2*	20°, 30°, 40°, 60° or 80° Secondary Lens – Vertical spread (533mm (2 cell width)
7400A40x3*	20°, 30°, 40°, 60° or 80° Secondary Lens – Vertical spread 267mm (1 cell width)
7400A40x4*	20°, 30°, 40°, 60° or 80° Secondary Lens – Vertical spread 533mm (2 cell width)

* Replace x in part no. with first digit in beamspread (e.g. 2 for 20°)

Secondary Lenses



DMX CONTROL CHANNELS

DATA CHANNEL	COLOR	VALUE	FUNCTION
1	Luminaire Address	Red	Intensity 0-100%
2	Luminaire Address + 1	Red-Orange	Intensity 0-100%
3	Luminaire Address + 2	Amber	Intensity 0-100%
4	Luminaire Address + 3	Green	Intensity 0-100%
5	Luminaire Address + 4	Cyan	Intensity 0-100%
6	Luminaire Address + 5	Blue	Intensity 0-100%
7	Luminaire Address + 6	Indigo	Intensity 0-100%
8	Luminaire Address + 7	Master Intensity Control	Overall Intensity 0-100%

Note: Use individual colour channels to create colour mix. Use Master Intensity Control to set luminaire intensity. Master Intensity Control (Channel 8) must be above 0% for luminaire to output.

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. With typical usage, a Selador luminaire will still achieve 70% of its initial output after 50,000 hours. 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 adjustment to presets, cues or programs.

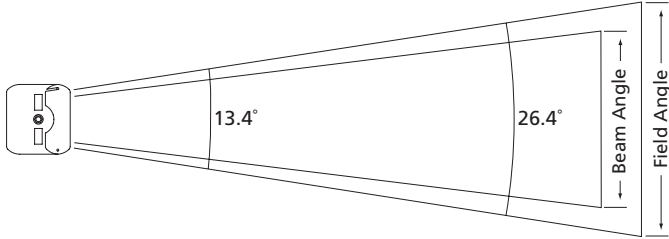
OUTPUT AND EFFICACY DATA FOR VARIOUS GEL COLOURS

Output information for a Source Four PAR EA with 575W/230V HPL lamp is provided for each line of the listed gel colours for comparison.

GEL COLOUR	FIELD LUMENS	WATTS	LUMEN PER WATT	PAR FIELD LUMENS	LUMEN PER WATT
AP5300 Apollo Green	1026	54	19.0	170	0.3
AP6300 Neon Yellow	1326	68	19.5	5150	9.0
AP7570 Trick or Treat	944	58	16.3	2273	4.0
G245 Light Red	376	37	10.2	860	1.5
G250 Medium Red XT	322	35	9.2	490	0.9
G945 Royal Purple	287	43	6.7	69	0.1
L116 Medium Blue Green	955	56	17.0	785	1.4
L344 Violet	1639	96	17.1	1124	2.0
L345 Fuchsia Pink	1162	72	16.1	898	1.6
R343 Neon Pink	648	49	13.2	1758	3.0
R80 Primary Blue	616	54	11.4	289	0.5
R382 Congo Blue Deep	139	32	4.3	35	0.1
3200K	1603	83	19.3	5966	10.4
Full (all channels at 100%)	1829				

PHOTOMETRICS

Photometric data taken with all channels at full. Data reflects the output of one 11 unit. See chart on page 5 for lumen and efficiency information in sample gel colours. Information for PAR fixtures with the same gel colours is presented for comparison. Due to the variability of all LEDs, output data and colour matched should be viewed as approximate. Photometric data for individual lenses and lens combinations may be found at www.etcconnect.com/docs/docs_downloads/techdocs/Selador-Lens-Photometrics.xls



Throw Distance (d)	3.0m	4.6m	6.1m	7.6m
Field Diameter	1.4m	2.1m	2.9m	3.6m
Illuminance (fc)	302	134	75	48
Illuminance (lux)	3,245	1,442	811	519

Selador Lustr

Degree	Candela	Field Lumens	Beam Lumens	Lumens per Watt
26°	30,150	1,829	926	17.6

Metric Conversions: For Meters multiply feet by .3048
 For Lux multiply footcandles by 10.76

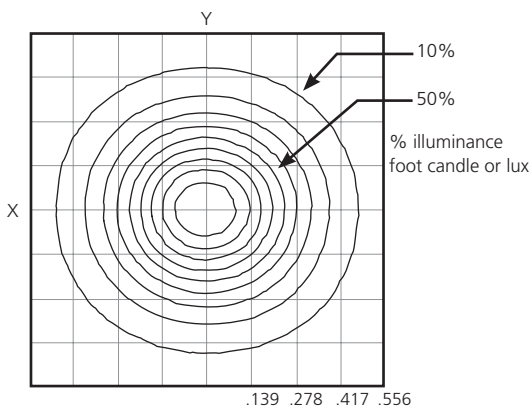
For illumination with any lamp, multiply the candlepower of a beam spread by the multiplying factor (mf) shown for that lamp.

To determine illumination in footcandles or lux at any throw distance, divide candlepower by distance squared.

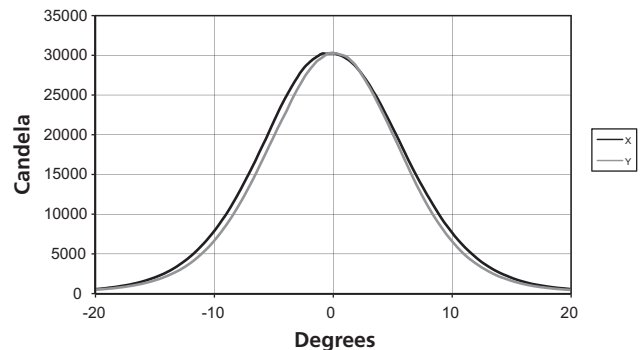
For Field diameter at any distance, multiply distance by .469

For Beam diameter at any distance, multiply distance by .235

**Iso-Illuminance Diagram
 (Flat Surface Distribution)**



Cosine Candela Plot



*** Throw Distance Multiplier (TDM)

To determine the distance from the center of the beam (Origin) to a certain illuminance level at a particular distance, multiply the desired throw distance by the TDM desired on the Iso-Illuminance diagram.

Throw Distance (TD) x Throw Distance Multiplier (TDM) = Distance from the Origin (Dfo) (distance from the center of the beam)

Example: 8.0m (TD) x 0.139 (TDM) = 0.544m from center of beam (Dfo)

PHYSICAL

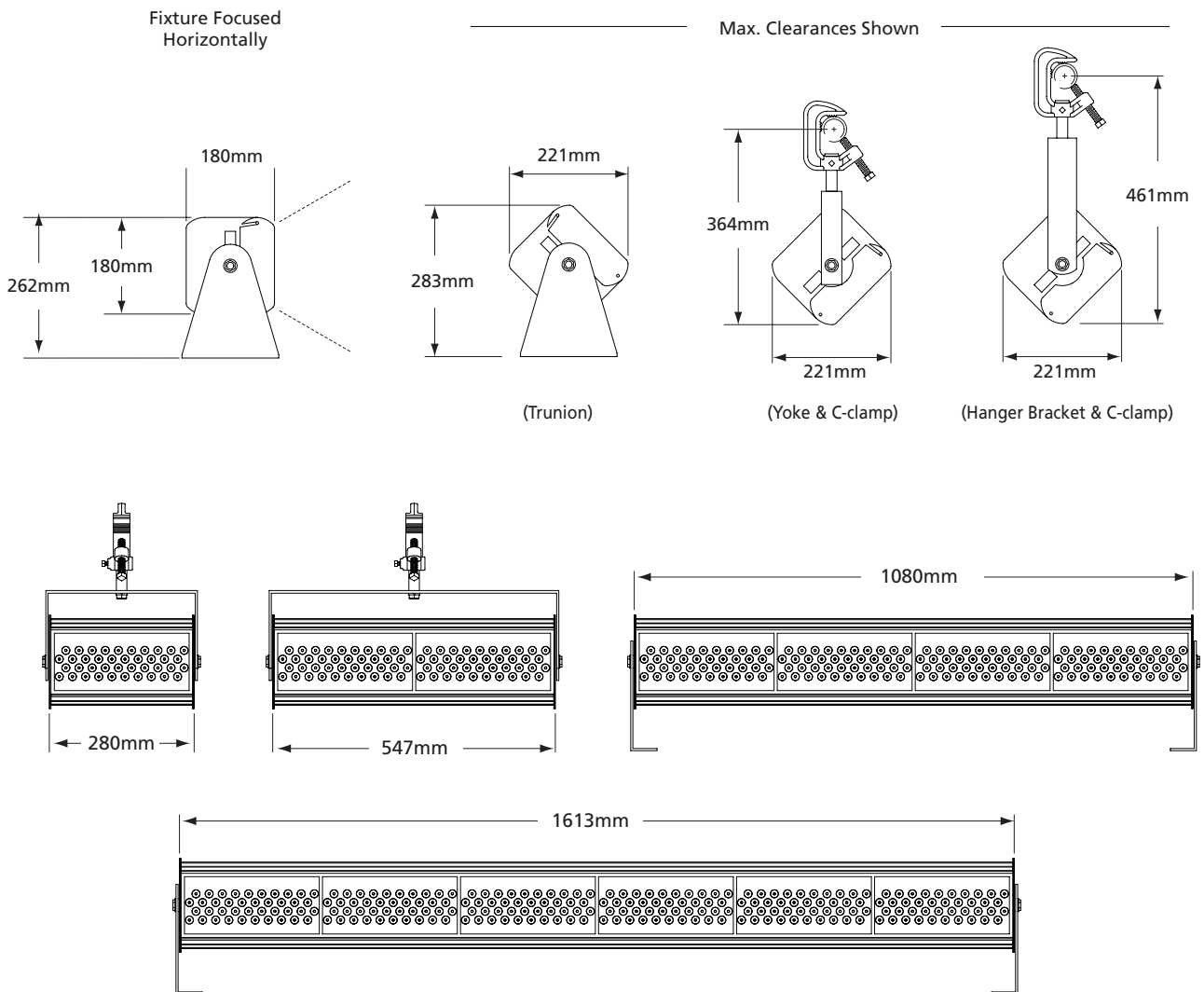
Selador Lustr Dimensions & Weights

MODEL	# OF LEDS	LENGTH	HEIGHT	DEPTH
		mm	mm	mm
Lustr 11 CE	40	280	180	180
Lustr 21 CE	80	547	180	180
Lustr 42 CE	160	1080	180	180
Lustr 63 CE	240	1613	180	180

WEIGHT*	SHIPPING WEIGHT
Kg	Kg
5.2	6.9
9.1	11.4
15.9	19.1
24.1	28.2

40 Luxeon® Rebel 2.5W LEDs in each 280mm (11") length of fixture.

* Does not include mounting hardware



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