Videssence™

SOFTLITE Series S110-255BX

SYSTEM

110 watt compact flourescent unit for Video/Tele Conferencing multi use spaces. The unique recessed or surface mount 2´ x 2´ indirect fixture provides even, vertical illumination in three directions, forward and to the sides. It comfortably illuminates the participants in the video while providing low level lighting at the front of the space for good contrast at the monitor, and keeps direct light off of the camera. All 230 volt fixtures are RoHS compliant.

UL/CUL/CE Listed.

SPECIFICATION

Housing: Constructed of 22 gauge CRS coated with white TGIC polyester powder coat finish.

Reflector: Formed reflector combines white diffuse to .020 high purity aluminum (99.9%) reflector material with 95% reflectance finish.

Socket: Molded white high strength thermoplastic with push wire connections and 18 gauge leads. Model number 2G11 4-pin.

Electrical: Unit contains (1) 2-lamp dimming ballast to drive two 55 watt lamps for a total of 110 lamp watts per fixture. Power factor shall be .97 with a class A sound rating and THD of <20%. Unit will be hard wired.

Mounting: Unit may be ordered recessed for T-Bar or Gypsum ceiling installations. Also available in Surface or Pendent mount.

Fixture Includes:

(2) 55 watt Biax Lamps
(1) 2-lamp Dimming Ballast (Specify Type)

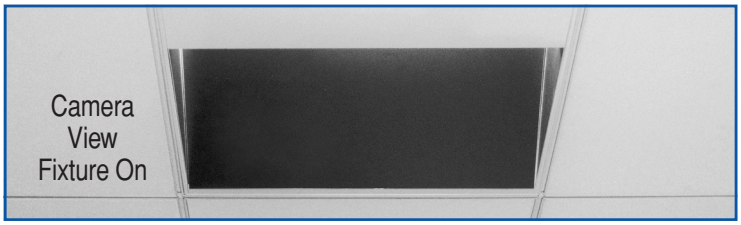
LAMPS

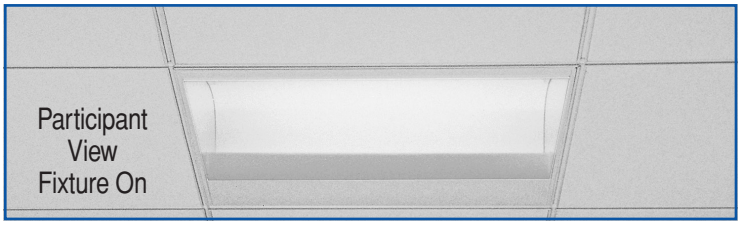
(2) 55 watt FT55W/2G11/830
3000 K, 12,000 Hours Lamp Life
CRI: 82
Light output: 4800 LM/Lamp

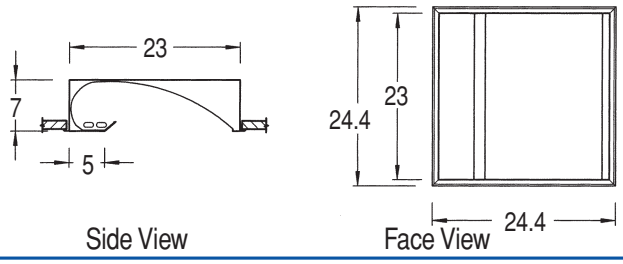
OPTIONS *(Must Specify Each)*

Ballast
- 120 VAC/60Hz HPF Electronic Dimming
- 230 VAC/50-60Hz 0-10V HPF Electronic Dimming
- 277 VAC/60Hz HPF Electronic Dimming

Mounting
- T-Bar
- Gypsum/Hard Ceiling
- Surface
- Pendent (add "P" and length of pendent
  Example - S110-255BX-S-DA-P24˝)

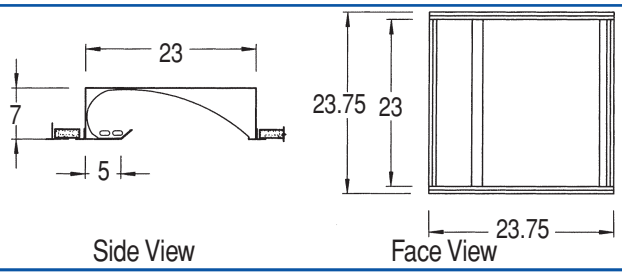






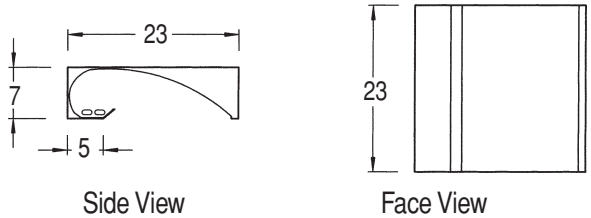
MODEL # for Recessed Gypsum Ceiling

S110-255BX-R-DA	0-10 Analog Dim
S110-255BX-R-D/PM*	Phase Control Dim



MODEL # for Recessed T-Bar Ceiling

S110-255BX-TB-DA	0-10 Analog Dim
S110-255BX-TB-D/PM*	Phase Control Dim



MODEL # for Surface or Pendent Mount

S110-255BX-S-DA	0-10 Analog Dim
S110-255BX-S-D/PM*	Phase Control Dim

* Not available in 230 volt.
Measurements shown are inches (B.S.U.) Ref: 1˝ = 2.54cm

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SOFTLITE Series
S110-255BX

ACCESSORIES
(See detailed description and function in Accessories Section)

PART #		
①	LV-S110	Parallel Blade Louver

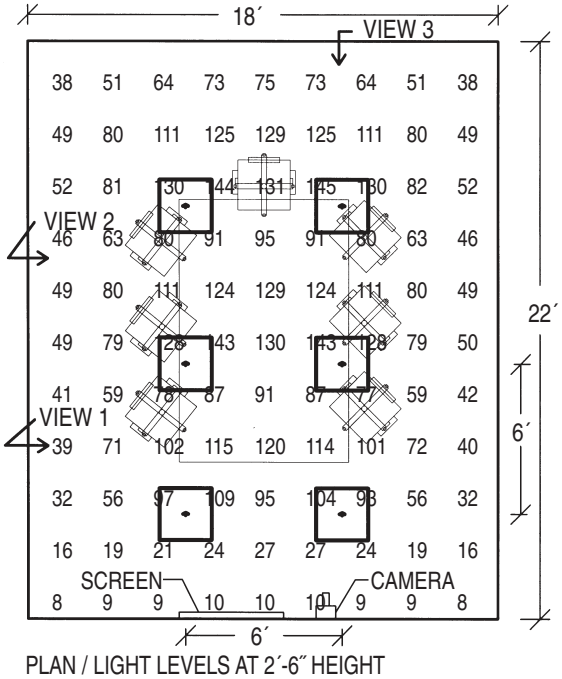
FIXTURE *(Boxed)*

WEIGHT	Lbs	Kg
Complete	25.0	11.2

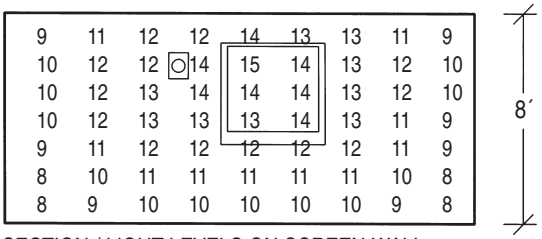
DIMENSIONS	Inches	Cm
Length	29.0	73.7
Height	10.0	25.4
Width	28.5	72.4

PHOTOMETRICS
MODEL S110-255BX

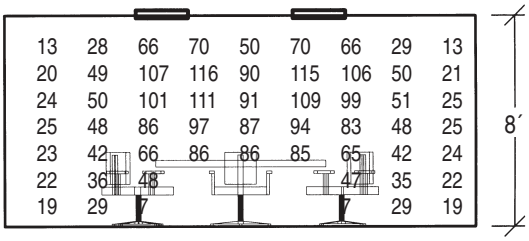
Vertical light levels on participants should be a minimum of 50 to 70 fc for successful Video Conferencing. Light readings are shown in footcandles and were calculated with Lighting Analysts' AGI 32 utilizing independent test lab photometric file #1015A.IES. Readings are initial levels and the reflectances of the room for calculation purposes were Ceiling: .80, Walls: .50 and Floor: .20. To convert levels to Lux use the conversion factor of 1 fc = 10.765 Lux. Original photometric data on file at the factory. Specifications subject to change without notice or obligation.



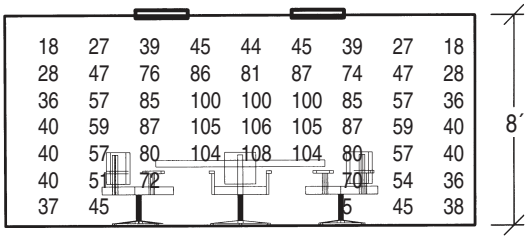
PLAN / LIGHT LEVELS AT 2´-6˝ HEIGHT



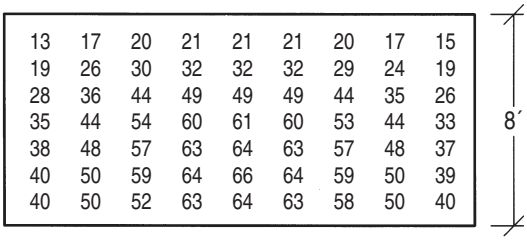
SECTION / LIGHT LEVELS ON SCREEN WALL



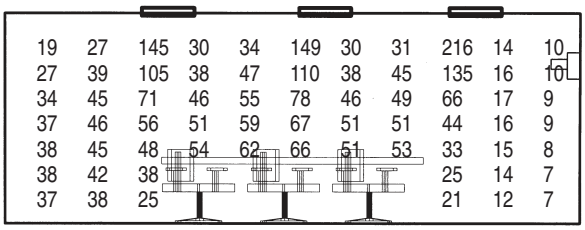
SECTION / LIGHT LEVELS AT VIEW 1



SECTION / LIGHT LEVELS AT VIEW 2



SECTION / LIGHT LEVELS ON BACK WALL



SECTION / LIGHT LEVELS AT VIEW 3

Measurements shown are inches (B.S.U.) Ref: 1˝= 2.54cm

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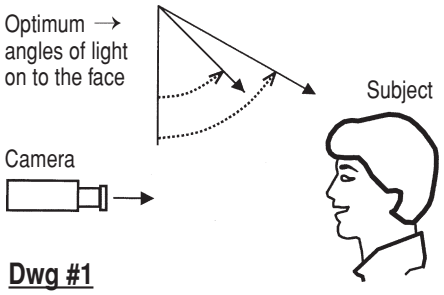
SOFTLITE Series

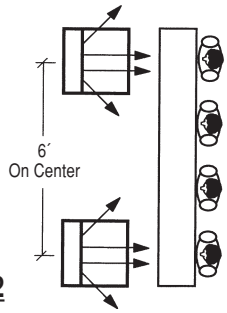
Video/Tele Conference Lighting

The task of providing proper lighting for a Video conference space is very simple – Ask us to do it for you! But if you would rather do it yourself, here are the problems and some suggested solutions.

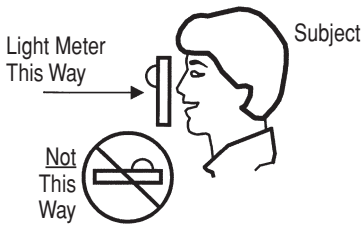
1) **Provide lighting for the camera in the proper quantity, quality and angle.** The light should come from an angle between 45° and 60° vertical (Dwg #1). Horizontally, light should also be cast on the face from an angle in addition to front (Dwg #2). This will assure that minimum shadows are created in the eye sockets and under the nose and chin.



Dwg #1



Dwg #2

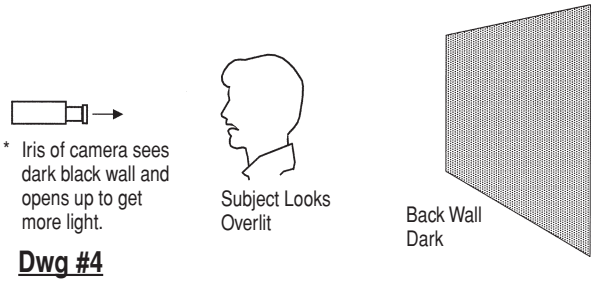


Dwg #3

The amount of light falling on the face of the subject measured vertically should be 50-75 F.C. (Dwg #3). The quality of light suitable for video cameras can be assured by using fluorescent lamps of 3000° K (Color Temperature) with a CRI (Color Rendering Index) of 82+.

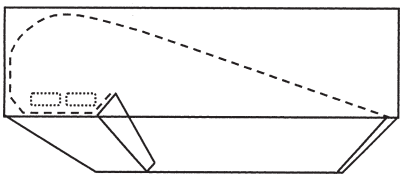
2) **Provide minimal lighting for the screen or monitor for good screen contrast and image sharpness**. The wall where the screen or monitor is located should have as little illumination as possible. No reflected glare should appear on the screen or monitor to inhibit viewing.

3) **Provide lighting for the back wall and to a lesser extent, the side walls to balance the brightness with the rest of the room.** Doing this will prevent the camera from irising* on the back or side walls that are too dark or too bright and then allowing too much or too little light in the camera resulting in the appearance of over or under lighting the subject (Dwg #4). Generally the wall finishes and furniture should be very neutral. The reflectance value of these colors and surfaces should be around 30-40%. Light level ratios from the participant to the back wall should be within 3 to 1 while the side walls can be 5 to 1.

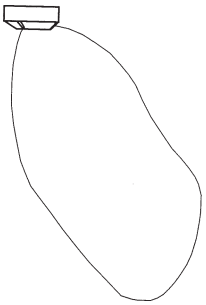


Dwg #4

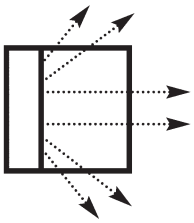
Solutions – To accomplish the above requires light fixtures that provide a wide horizontal component. The SOFTLITE Series fixture Videssence has designed for this use is a recessed, indirect 2´ x 2´ with two 55 watt Biax lamps (Dwg #5). This fixture produces an asymmetric distribution (Dwg #6) that provides a large horizontal throw in three directions (Dwg #7). The tri-directional performance of this product often eliminates the need for additional lighting on back and side walls, so the second consideration is handled also. Very little light is directed behind the SOFTLITE Series fixtures so they do not wash out the viewing screen or glare into the camera.



Dwg #5



Dwg #6



Dwg #7

Dual Function and Participant Comfort – The SOFTLITE Series is provided standard with a dimming ballast so you may adjust the light levels for good picture quality and have low light level illumination for standard conferencing functions. Combining the low heat of fluorescent lamps with an indirect optical system, the participants in the room will have optimum comfort visually and environmentally.

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