Videssence™

LIGHTING APPLICATION

Video/Multi Use Conference Room

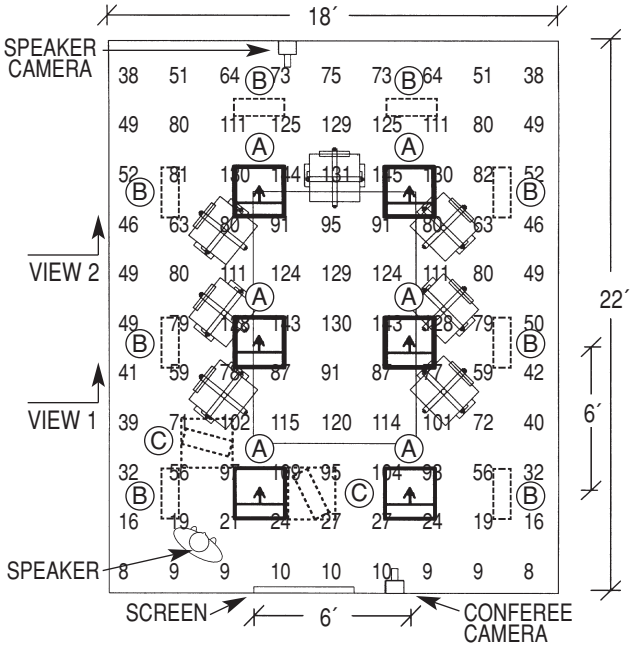
SYSTEM

- Ideally suited when the architectural esthetics of the space is important.
- Total recessed system that requires no aiming after permanent installation.
- Provides low light levels at the monitor for good contrast and keeps direct light off of the camera.
- Comfortably illuminates Conference Participants for video applications.
- Dim fixtures for standard conference applications. Dual lighting systems not required!
- Shipped standard with dimming ballast.

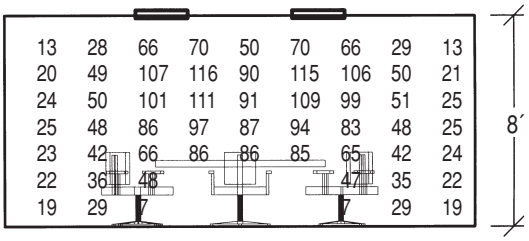
LAYOUT

These unique 2´ x 2´ fixtures are ideal for T-Bar or hard ceiling installations for multi-use video spaces. They create ideal light levels at the proper angle to minimize shadows at the eye sockets and under the nose and chin.

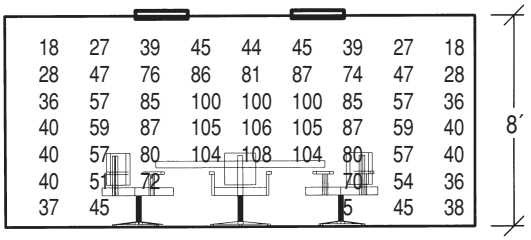
Fixtures placed properly in a 6´ x 6´ pattern in a typical 8´ ceiling will comfortably illuminate the participants in a video conference to proper light levels. Cameras vary, but most render a good image on the monitor when the conferees are lit to a minimum of 50 to 75 foot candles.



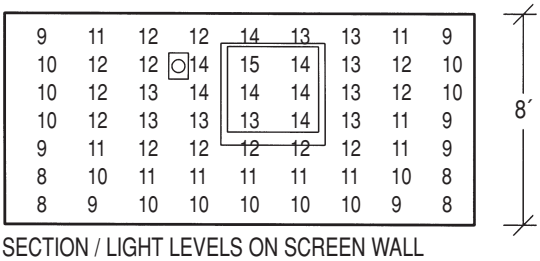
PLAN / LIGHT LEVELS AT 2´-6″ HEIGHT



SECTION / LIGHT LEVELS AT VIEW 1



SECTION / LIGHT LEVELS AT VIEW 2



SECTION / LIGHT LEVELS ON SCREEN WALL

Light levels shown are generated from Type "A" alone.

FIXTURES *(T-Bar Catalog Numbers Below)*

120 Volt Dimming (DFA1-1)

Type	Qty	Model	Description
Ⓐ	6	S110-255BX-TB-D/PM-120	Softlite w/ Phase Control Dim (Lights the Conferees)
Ⓑ *	8	SW055-155BX-TB-D/PM-120	Softwash w/ Phase Control Dim (Lights the Walls)
Ⓒ *	2	SK110-255BX-TB-D/PM-120	Softkey w/ Phase Control Dim (Lights the Speaker)

277 Volt Dimming (DFA1-277)

Type	Qty	Model	Description
Ⓐ	6	S110-255BX-TB-D/PM-277	Softlite w/ Phase Control Dim (Lights the Conferees)
Ⓑ *	8	SW055-155BX-TB-D/PM-277	Softwash w/ Phase Control Dim (Lights the Walls)
Ⓒ *	2	SK110-255BX-TB-D/PM-277	Softkey w/ Phase Control Dim (Lights the Speaker)

230 Volt Dimming (DFA1-2)

Type	Qty	Model	Description
Ⓐ	6	S110-255BX-TB-DA-230	Softlite w/ 0-10 Analog Dim (Lights the Conferees)
Ⓑ *	8	SW055-155BX-TB-DA-230	Softwash w/ 0-10 Analog Dim (Lights the Walls)
Ⓒ *	2	SK110-255BX-TB-DA-230	Softkey w/ 0-10 Analog Dim (Lights the Speaker)

* Many of these spaces can be lit entirely with Type "A" Softlite alone, however, if you have a key speaker location or require separate control of the light levels on the walls, consider the use of Type "B" Softwash and "C" Softkey.

Note: *Fixtures must be connected to compatible dimming control equipment*

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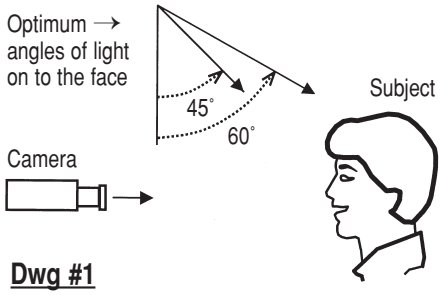
Videssence™

SOFTLITE SERIES

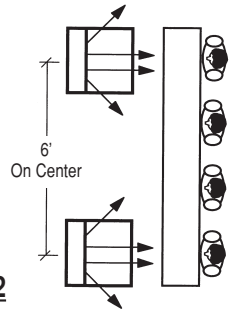
Video/Tele Conference Lighting

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.

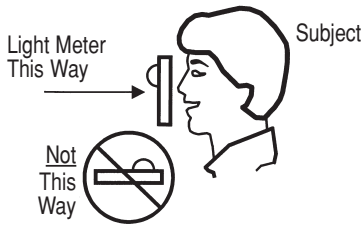
1) **Provide lighting for the camera in the proper quantity, quality and angle.** The light should come from an angle between 45˚ and 60˚ vertical (Dwg #1). Horizontally, light should also be cast on the face from an angle in addition to front (Dwg #2). This will assure that minimum shadows are created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



Dwg #1



Dwg #2

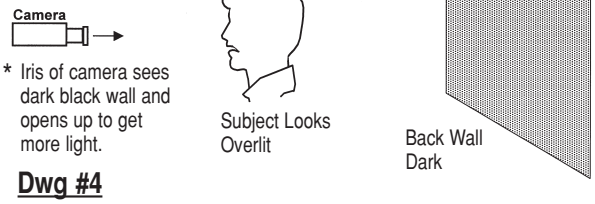


Dwg #3

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+.

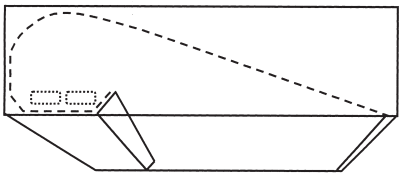
2) **Provide minimal lighting for the screen or monitor for good screen contrast and image sharpness.** The wall where the screen or monitor is located should have as little illumination as possible. No reflected glare should appear on the screen or monitor to inhibit viewing.

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.

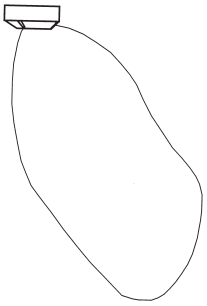


Dwg #4

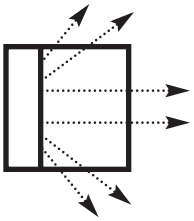
Solutions – To accomplish the above requires light fixtures that provide a wide horizontal component. The SOFTLITE Series fixture Videssence has designed for this use is a recessed, indirect 2´ x 2´ with two 55 watt Biax lamps (Dwg #5). This fixture produces an asymmetric distribution (Dwg #6) that provides 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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