

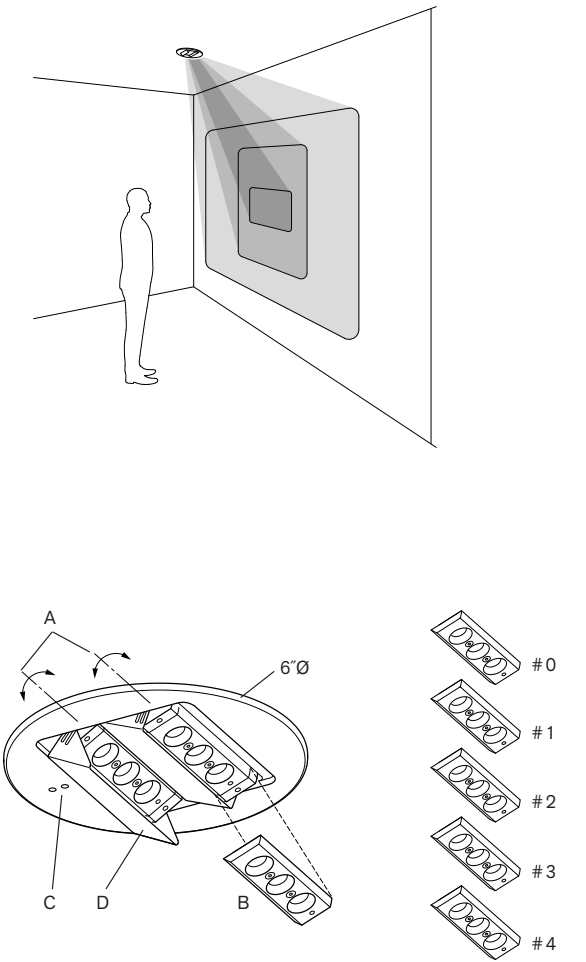


Tunable to Deliver Museum Quality Lighting  
for Art of Varied Sizes and Shapes

PERFORMANCE

The Revelite CL-6 is a sleek design with robust performance. The CL-6 is adjustable in order to shape the illumination pattern for each unique piece of art, while delivering an even distribution of light for a range of shapes and sizes.

- A. Light Pattern Height Adjustment:** Two vertically aimable LED modules allow the height of the illuminated area to be adjusted.
- B. Light Pattern Width Adjustment:** Magnetically attached optical inserts horizontally spread the light, allowing the width of the illuminated area to be controlled. Five different inserts are included with the fixture.
- C. Uniformity:** The light intensity of each module can be adjusted to balance the brightness from top to bottom on the target area.
- D. Spill Light Control:** The baffle helps eliminates light that falls below the canvas.



SPECIFICATIONS

**Light Source Type:** Integrated LED  
**Color Temperature:** 2700K or 3000K  
**Color Accuracy (CRI):** 90+ (R9 vibrant reds: 80+)  
**Light Output (source):** 1140 lumens (3000K)  
**Dimensions:** 6" diameter, height varies (see drawings)  
**Weight:** 1.4 lbs  
**Dimming:** Forward & Reverse Phase, 0-10 V\*  
**Ratings:** UL Damp location, IC, Class 2  
**DC Load:** 15W @ 10 V DC  
**Included Driver Specifications**  
**Input:** 110 - 277 V AC, 0.2 A, 50-60Hz PF>.9, THD<20%  
**Output:** 10 V DC Constant Voltage, 20W Max, Class 2  
Remote enclosure included

\* See Power and Control section for more information.



US Patent #12,455,064B2

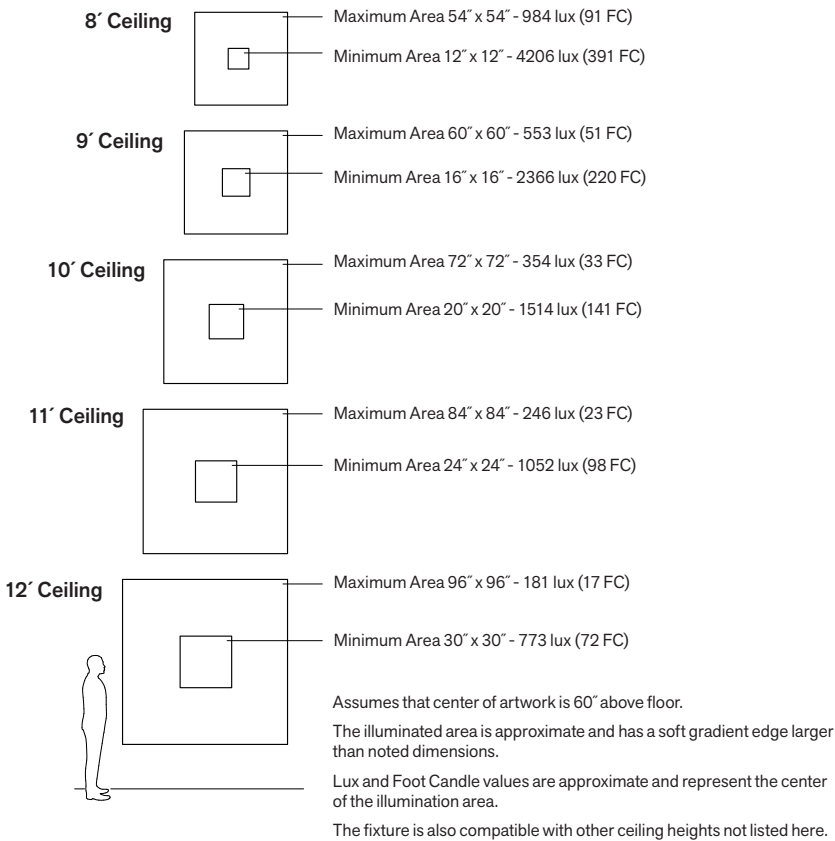
SKU BUILDER

Revelite CL-6 part # CL-6-		-	-
Mounting Method			
Recessed Mount	R		
Mud-In Recessed Mount	M		
Surface Mount	S		
Metal Finish			
Matte Black (CM-030)	BL		
Matte White (CM-126)	WH		
Lamping			
2700 K LED	27		
3000 K LED	30		
Power Supply			
120-277 V AC input voltage	P1		
TRIAC, ELV & 0-10 V dimmable			



ARTWORK SIZES AND ILLUMINANCE LEVELS

Portrait and landscape rectangular illumination patters can be achieved within the areas shown.



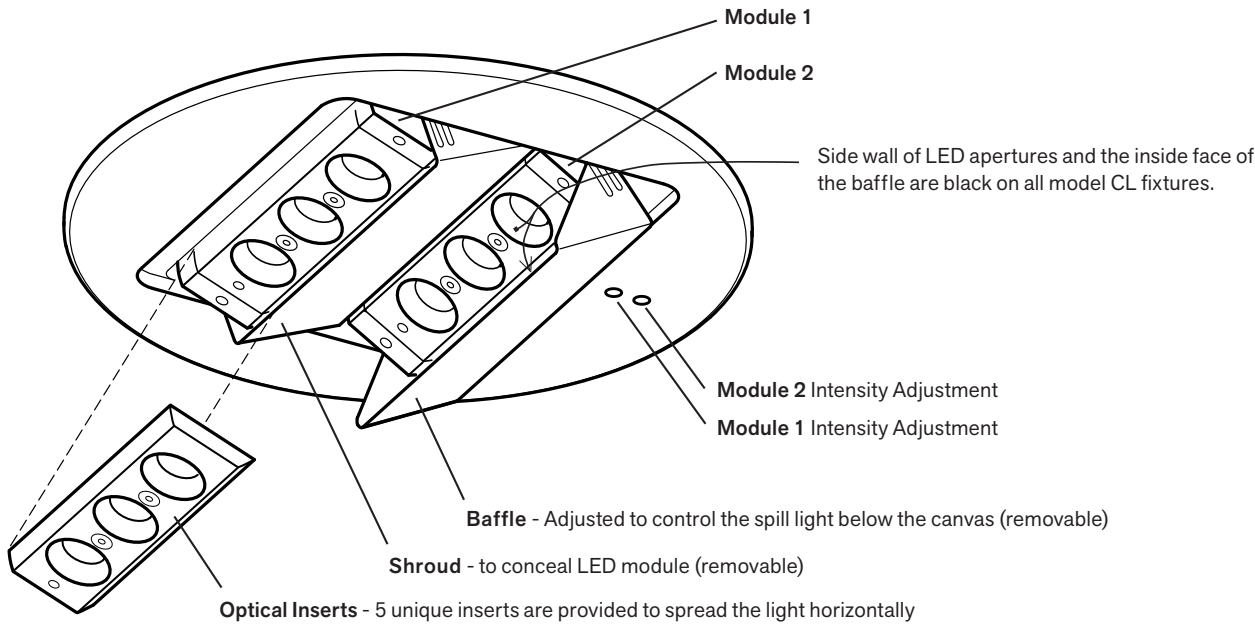
MODULE LIGHT OUTPUT SPECS

OPTICAL INSERT #	BEAM ANGLE FWHM* (H° X W°)	Max Luminous Intensity (cd)
#0	15" X 15"	4,700
#1	18" X 23"	2,300
#2	18" X 37"	1,700
#3	18" X 52"	1,100
#4	20" X 70"	675

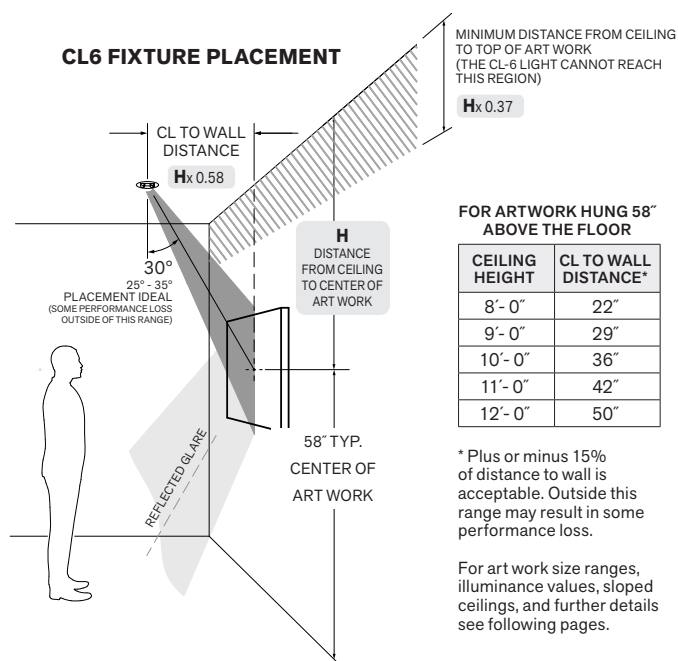
**Note:** Divide the max luminous intensity (candelas) by the distance (meters) squared to determine the illuminance (lux) at that distance from the light source.

\* FWHM refers to the Full Width Half Maximum method of beam angle measurement.

PRODUCT TOUCHPOINTS



The mounting location is dependent on the ceiling height and the mounting height of the artwork.



The fixture can be surface mounted, recess mounted, or flush recess mounted by using the mud in trim.

The technical drawings illustrate the dimensions and components of the LED driver assembly. The side view (top left) shows a rectangular driver enclosure with a length of 8.25 inches and a height of 2 inches. It is connected to line voltage and has a 1.75-inch diameter hole for mounting. The top view (bottom right) shows the driver enclosure mounted on a 0.5-inch to 0.75-inch thick ceiling. The driver enclosure has a 5.25-inch diameter hole for mounting. The distance from the ceiling to the driver enclosure is 0.9 inches. The distance from the ceiling to the remote driver is 1 inch. The distance from the ceiling to the driver enclosure is 2.5 inches. The distance from the ceiling to the driver enclosure is 0.1 inches.

The top view shows a circular enclosure with a central port labeled "To remote driver enclosure". A "6.375" Ø Hole" is indicated on the left. A "Mud-In-Ring" is shown on the right, and the "0.5" - 0.75" Ceiling" is labeled at the bottom.

The side view shows the enclosure's profile with dimensions: a total height of 2.6", a mounting flange height of 1", and a base width of 0.9". A central port is labeled "To remote driver". A "6.375" Ø Hole" is shown on the right side. The "Ceiling thickness 0.5" - 0.75'" is indicated at the bottom.

Diagram illustrating the installation of a remote driver enclosure. The top view shows a circular fixture with a junction box on top, connected to a remote driver enclosure. The bottom view shows the fixture's profile with dimensions: 2.25 inches for the junction box height and 0.9 inches for the fixture height. Labels include 'Junction Box', 'To remote driver enclosure', 'Ceiling', and 'Sidewall finish matches rest of fixture'.

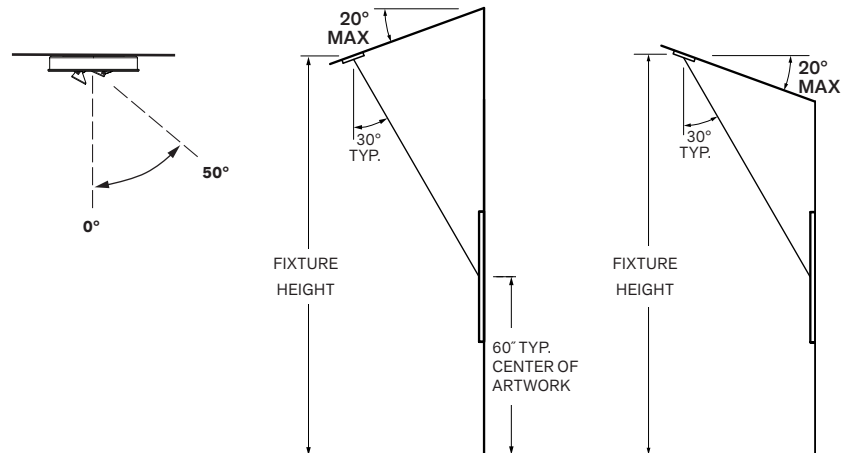
## SLOPED CEILINGS

Both modules can rotate from 0 degrees (beam center perpendicular to ceiling) to 50 degrees towards the target surface.

For the standard artwork height of 60 inches above the floor and fixture heights between 8 and 10 ft, roof pitches up to 20 degrees (about 4 in 12 roof pitch) are acceptable.

For art significantly higher or lower than 60 inches above the floor or for fixture height outside of the 8-10 ft range, special consideration must be taken to determine whether the artwork will fall within the rotation range of the Revelite CL-6.

Installation on ceilings that slope across the target surface is not recommended.



## POWER AND CONTROL

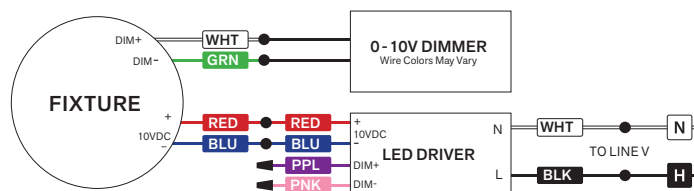
The Revelite CL-6 is a class 2 low voltage luminaire that must be connected to a remote 10 VDC power supply. The standard fixture comes with a power supply with an integral enclosure that can be installed in the ceiling near the fixture, or in a remote location. The fixture comes with 36 inch long, 18AWG wire leads. If the power supply is located farther away from the fixture, see below for the correct wire gauge to prevent excessive voltage drop.

Maximum wire length between power supply and fixture: **18 AWG - 10'** **14 AWG - 30'** **12 AWG - 50'**

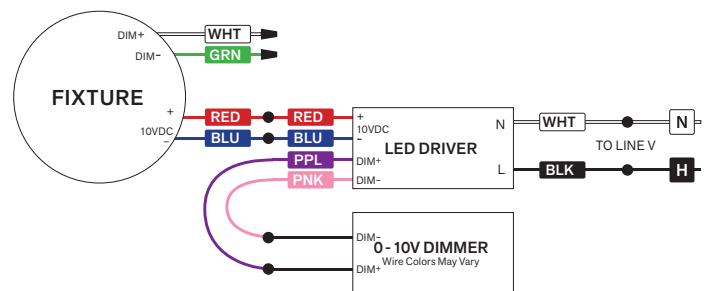
**0-10 V DIMMING** - There are two ways to achieve 0-10V dimming. The preferred method is to connect the 0-10V dimming system directly to the Revelite CL-6 fixture. In this scenario, the remote power supply is not being dimmed and is supplying a constant 10VDC. This is the preferred method because it eliminates the chance of any compatibility issues between the dimming system and the power supply and will reliably allow dimming to about 5%.

The alternative method is to connect the 0-10V dimming system to the remote power supply. This method should only be considered if the power supply is being installed away from the fixture location and 0-10V dimming wiring is not available at each fixture location.

### 0 - 10 VOLT DIMMING (PREFERRED)

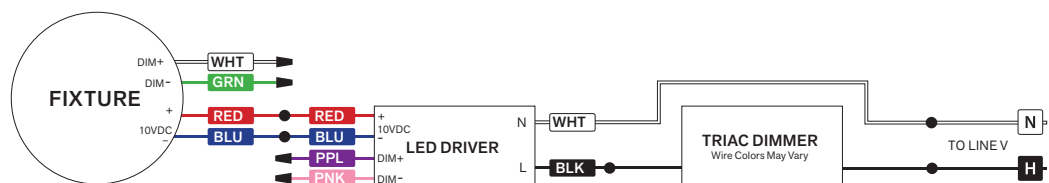


### 0 - 10 VOLT DIMMING (ALTERNATE)

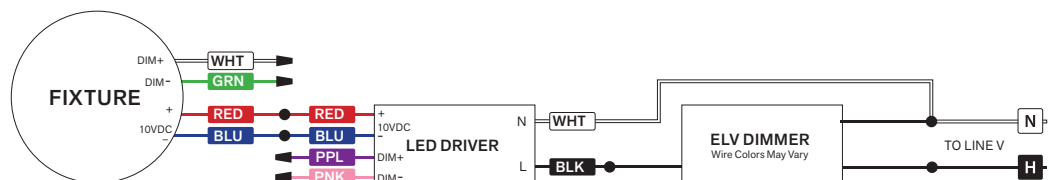


**PHASE DIMMING** - Forward and reverse phase dimming is achieved through the included remote power supply. Dimming to 5% is possible, performance will vary based on the dimmer used.

### FORWARD PHASE DIMMING

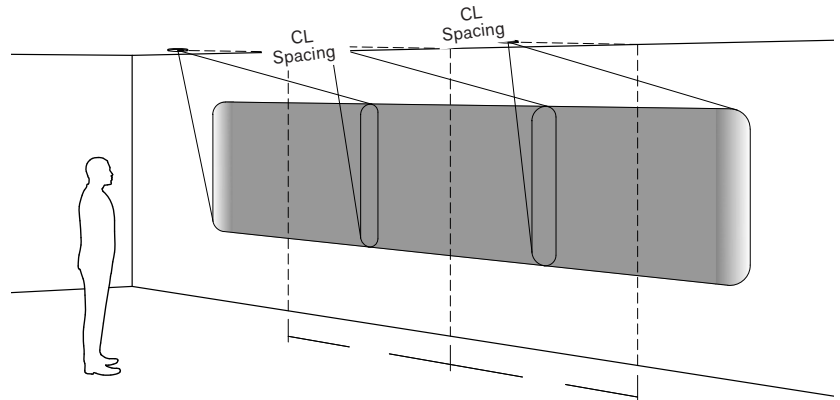
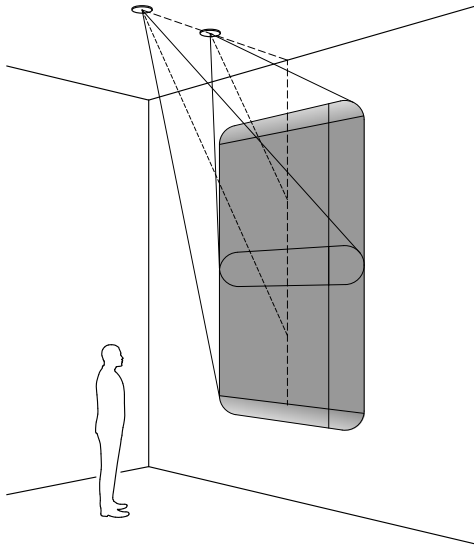


### REVERSE PHASE DIMMING



## APPLICATIONS FOR MULTIPLE CL-6 FIXTURES

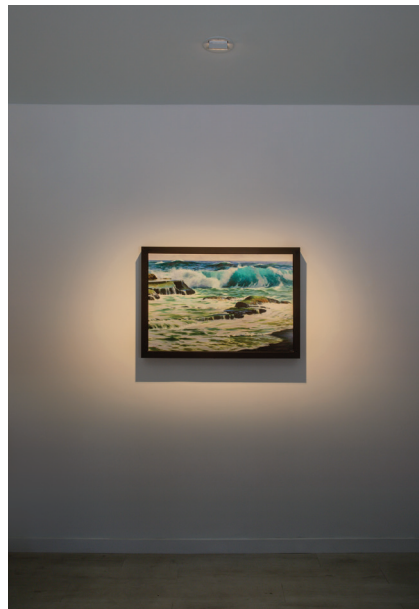
For artwork that requires an illuminated area that is larger or brighter than can be achieved a single CL fixture, multiple CL fixtures can be installed. Spacing the CL fixtures closer together will increase the brightness of the illuminated area.



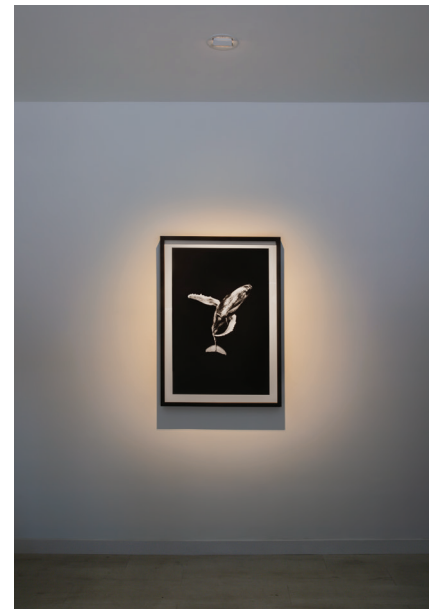
## GALLERY



Ceiling Height 9.5' | Art Work: 25" H x 17" W



Ceiling Height 9.5' | Art Work: 27" H x 39" W



Ceiling Height 9.5' | Art Work: 42" H x 30" W



**WATCH NOW!**  
Revelite CL Ceiling Light - Adjustability  
and Performance Explained