HIGHLIGHT & SHADOW

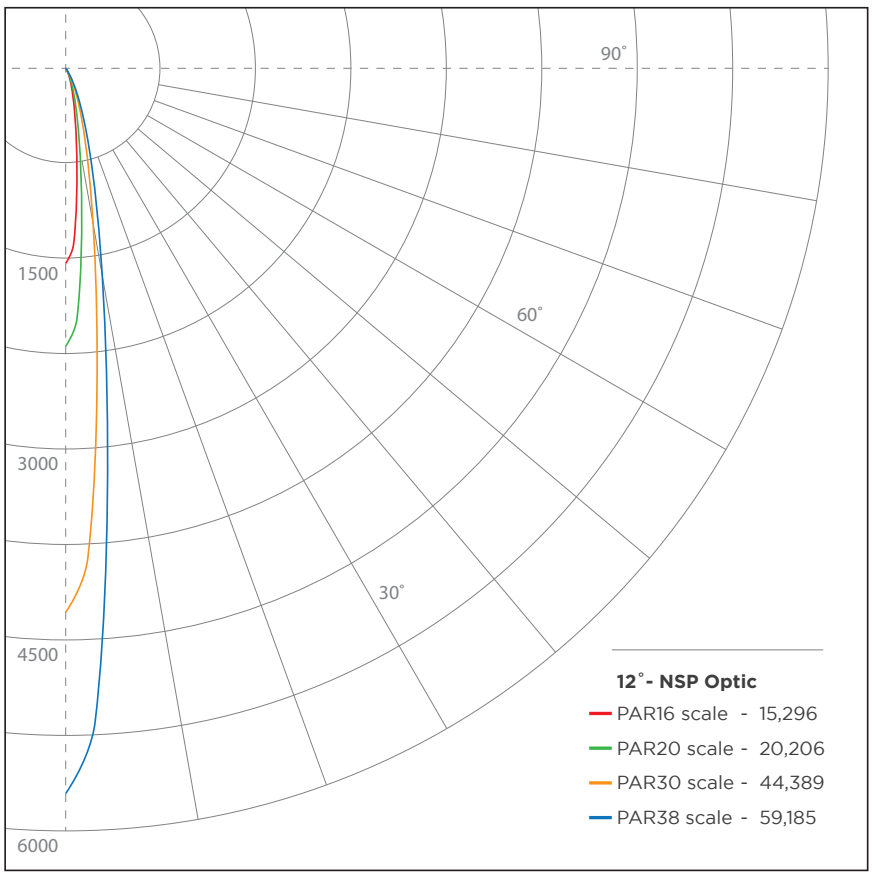
Lighting patterns are defined by shadows, not the light, and controlling the shadows in any space helps to create the aesthetics of that space.

Clarté optics create a feathered beam edge, along with a radiant field of light, that overlays onto the beam field. The soft feathered beam edge, combined with both a beam and radiant beam field together, allows for shadows to be created and controlled visually like a halogen lamp.

Highlights are usually defined at the brightest areas of the space bringing visual focus to key architectural details of a design.

Clarté Lighting's LED TIR optics are made to maximize center beam candle power creating the most dramatic highlights, versus COB LED optics, which lack center beam candle power intensity.

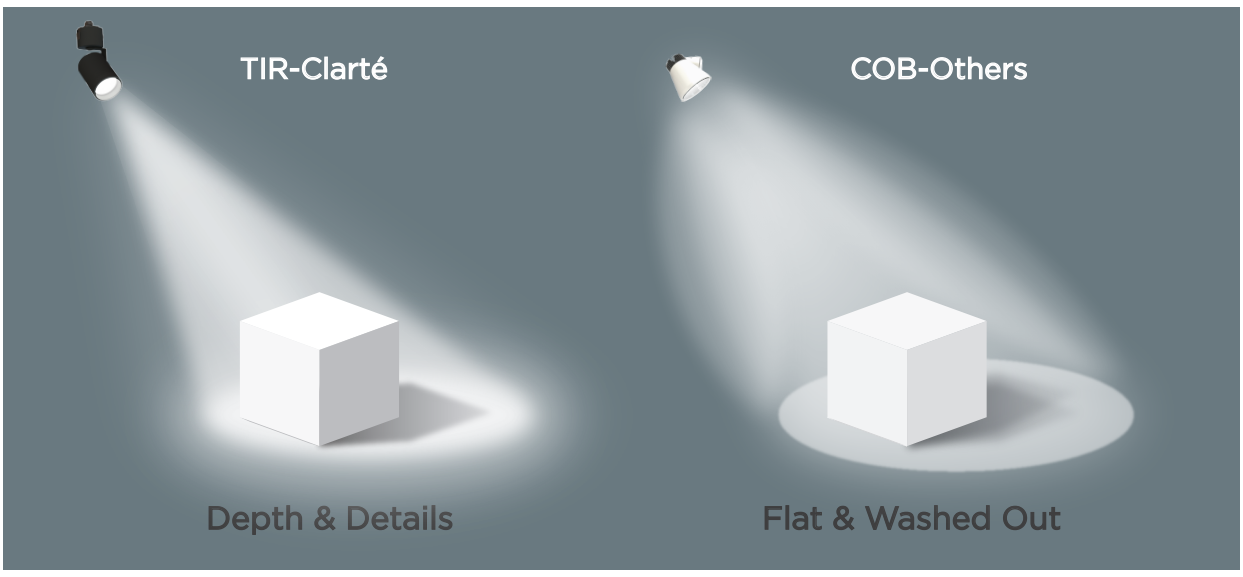
Highlight



Clarte	Wattage	Beam	CBCP
PAR16 Scale	20	12°	15,296
PAR20 Scale	28	12°	20,206
PAR30 Scale	55	12°	44,389
PAR38 Scale	68	12°	59,185
Halogen			
70W AR70	50	8°	12,500
MR16	50	10°	11,500
PAR20	50	8°	13,000
PAR20	50	10°	9,500
PAR30	50	10°	9,500
PAR38	50	10°	11,900
PAR38	75	10°	18,200
PAR38	250	10°	46,500
LED Lamp			
MR16	7.5	10°	6,000
PAR20	10.8	10°	8,640
PAR30	18.5	9°	18,500
PAR38	18.5	9°	18,500

Clarté Lighting - Center Beam Candlepower (CBCP)

Shadow



Blending highlights and shadows together into any space creates theatrical depth to the design details of the space, while bringing color and texture to life.

A strong mental visual comparison of COB LED vs. TIR LED lighting would be like comparing analog TV to 4K HDTV viewing in color and detail.

Clarté Lighting's LED fixtures have been designed to match the color, distribution and the aesthetic visual effect created from a halogen lamped fixture.

Beam & Field Angle

Halogen and TIR optics have a beam and field angle of light which creates a natural shadow and highlights along with soft feather beam edges.

COB LED optical fixtures have a primary beam field with no secondary field of light with hard outer beam edges.