

LIGHTING UPGRADE

Clarté offers new construction, remodel and retrofit solution for virtually all product offering.

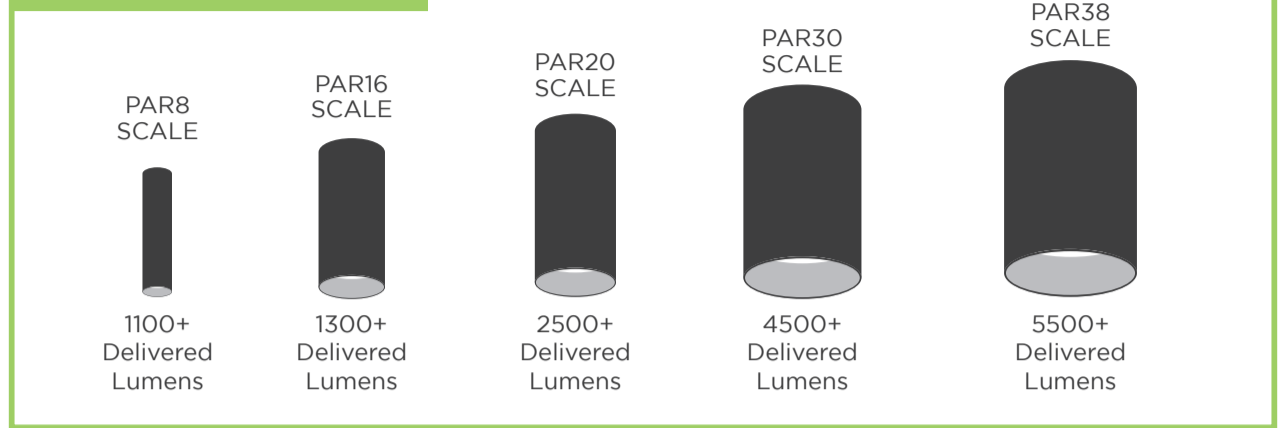
Unique mechanical retrofit solution are offered for any existing recessed downlight from 6" to 15", different track adapters to install into existing track systems, recessed multiple retrofit optical assemblies and several recessed or surface mounted custom configurations.

Based on the existing lamp type, lamp wattage and mounting height select the appropriate Clarté Lighting LED solution to perform a successful lighting upgrade.

ON/OFF or Dimming 120V, 230V or 277V

Dimming 2 wire forward phase MLV - 01% fade to off and glow to on visual performance like a tungsten halogen lamp.

CLARTÉ OPTICAL SIZES



CMH - T or PAR

LED

20W CMH	12W PAR16
39W CMH	24W PAR20
70W CMH	28W PAR20 or 33W PAR30
100W CMH	43W PAR30
150W CMH	55W PAR30

- Mercury Vapor (MV)
- High Pressure Sodium (HPS)
- Metal Halide (MH)

LED

70W	24W PAR20 or 33W PAR30
100W	33W PAR30
150W/175W	43W PAR30
250W	55W PAR30
400W	68W PAR38

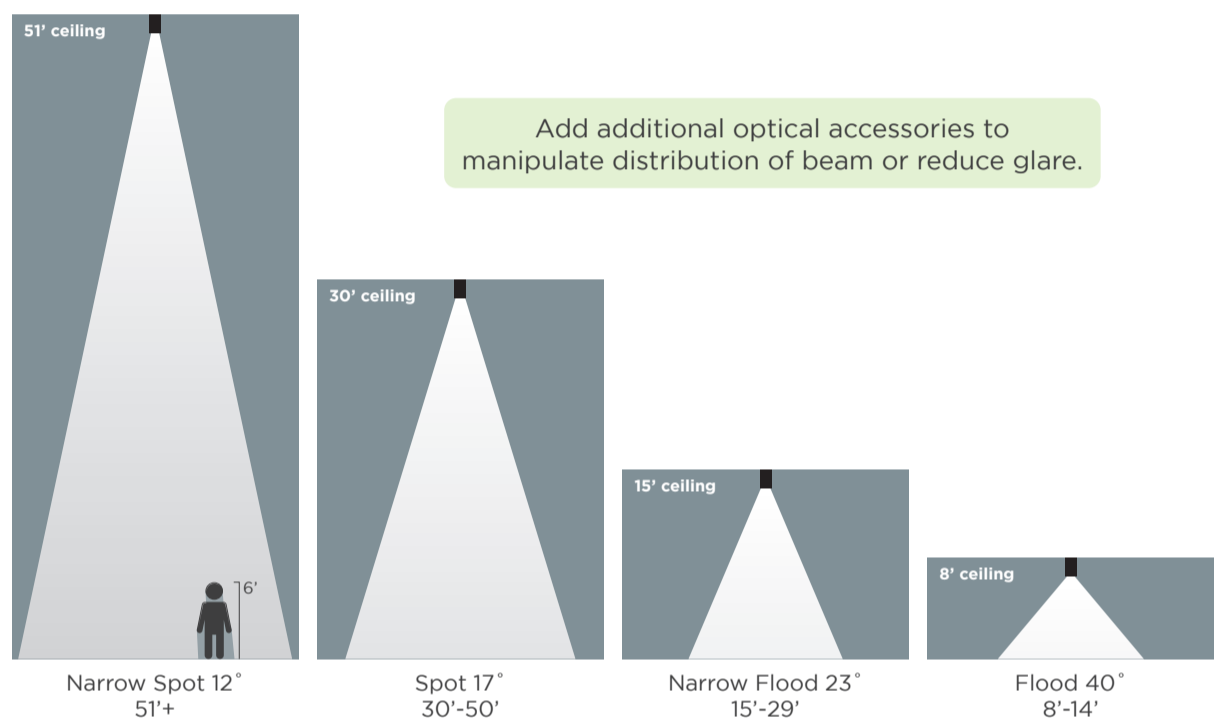
Halogen

LED

35W/50W MR16	9W XLED PAR16
50W PAR20	9W XLED PAR16
60W PAR30	12W PAR16
75W MR16	12W PAR16
75W PAR30	12W PAR16
90W/100W PAR38	22W PAR30
120W/150W PAR38	33W PAR30
250W PAR38	43W PAR30
250W Mini Can	43W PAR30
300W PAR56/64	55W PAR30
500W Mini Can	55W PAR30
500W PAR56/64	68W PAR38

MOUNTING HEIGHTS AND BEAM OPTIONS

Graphics Below Shown in Correct Proportion



LUMENS VS FOOT CANDLES*

*Delivered Lumens = Foot Candles

Clarté's proprietary optics convert lumens to foot candles with one of the highest efficiencies of product on the market.

Utilizing Clarté optical assemblies, lumens are projected from existing fixtures to the desired area of illumination, with no light loss in the fixture.

The combination of Clarté's optical efficiency, thermal management, and fixture design allows for higher delivered foot-candles from the existing fixture as compared to the lumens of existing legacy inefficient lamps installed, versus Clarté optical assembly delivered lumens.

CFL	LED	Option 1 = 4" ID Recessed Fixtures	Option 2 = 6" ID Recessed Fixtures	Option 3 = 7" ID+ Recessed Fixtures
26W	12W PAR16	RR3-392-PAR16	RET-414-PAR16	RET-413-PAR16
32W	16W PAR16	RR3-392-PAR16	RET-414-PAR16	RET-413-PAR16
42W	20W PAR16	RR3-392-PAR16	RET-414-PAR16	RET-413-PAR16
57W	24W PAR20	RR3-392-PAR16	RET-414-PAR16	RET-413-PAR16
70W	28W PAR20	RR3-399-PAR20		RET-413-PAR20
2 x 18W	11W PAR30	RR3-399-PAR20		RR6-615-PAR30
2 x 26W	22W PAR30			RR6-615-PAR30
2 x 32W	33W PAR30			RR6-615-PAR30
2 x 42W	44W PAR30			RR6-615-PAR30
2 x 57W	55W PAR30			RR6-615-PAR30
2 x 70W	68W PAR38			RR6-615-PAR38