



R-CAD™ —

RETROFIT REFRACTOR SYSTEM



REMOVE



REPLACE



RETROFIT

THE THREE

R's

OF R-CAD™



BEFORE



METAL REFLECTORS

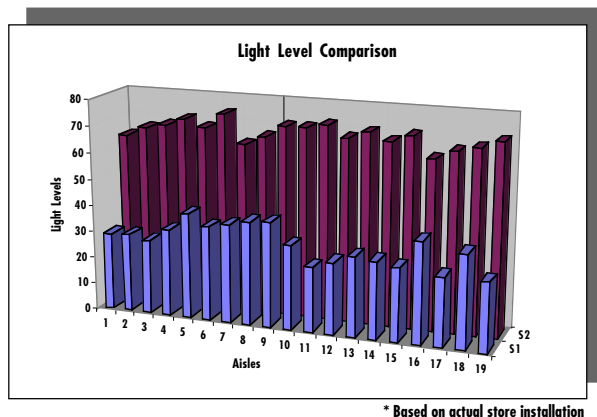
0% UPLIGHT

70%-80% LIGHT EFFICIENCY

DARK CEILING CAVITY

R-CAD™ – MORE LIGHT

Combine the R-CAD™ with a new metal halide lamp to increase existing light levels by as much or more than 200% with NO added increase in energy costs.



R-CAD™ – VISUAL UPGRADES

By lighting the ceiling with R-CAD™'s uplight, not only are light levels increased but the entire area appears brighter to the eye.

R-CAD™ – AISLE ILLUMINATION

Ceiling reflection will decrease aisle shadows allowing greater visibility with a considerable increase in aisle illumination from the top shelf to the bottom.

AFTER



R-CAD™

PRISMATIC REFRACTORS

20% ADDITIONAL UPLIGHT

96% LIGHT EFFICIENCY

CEILING CAVITY ILLUMINATED



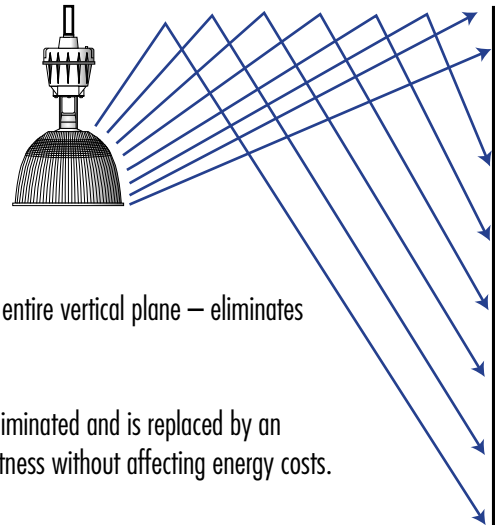
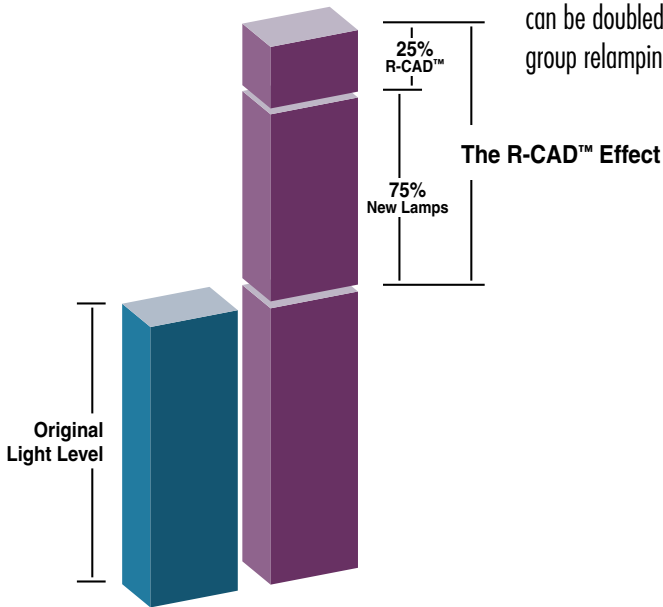
R-CAD™ – INSTALLATION

No mounting hardware is required.
Remove the existing reflector and
screw-in the R-CAD™ to the lamp
socket.

THE R-CAD™ EFFECT

MORE LIGHT

Depending on the efficiency of the metal reflector being replaced, the R-CAD™ delivers a 20%-30% light level increase. Initially, light levels can be doubled when the R-CAD™ is combined with new lamps. A group relamping program, beginning at the time of the R-CAD™ installation, will produce a 50% higher maintained light level with energy costs remaining the same.



AISLE ILLUMINATION

The R-CAD™'s reflected light from the ceiling and it's directed light at the entire vertical plane — eliminates shadows and increases visibility.

The bright to dark lighting effect of most metal reflectors is completely eliminated and is replaced by an increase in task visibility with a reduction in the fixture's appearant brightness without affecting energy costs.

R-CAD™ SPECIFICATIONS

| REFLECTOR SIZE | ORDERING CODE | RECOMMENDED LAMP TYPE | LABELS CERTIFICATIONS | ACCESSORIES |
|----------------|---------------|-----------------------|-----------------------|-----------------|
| 16" | RCAD816 | 175 - 400W | UL & CUL | LENSES & GUARDS |
| 22" | RCAD822 | (COATED) | | |

The socket position is fully adjustable to allow a choice of light distribution patterns. The visual brightness appearance of most areas is greatly increased and shadows practically disappear.

The R-CAD™ is designed to upgrade all mogul based highbay fixtures presently using metal reflectors. Perfect for retail stores, gymnasiums, distribution centers and aisleways.

Maximum effectiveness is achieved through the use of coated lamps that reduce fixture glare and increase light distribution.

The R-CAD™ is UL and CUL listed. Refer to technical data sheet #IFTDS-9505 for ambient temperature rating for individual wattage lamps.

The clear acrylic prismatic refractor provides over 90% efficiency with approximately 15%-20% uplight. Both flat and drop type lens enclosures are available.



CEW LIGHTING A SIMKAR Company

700 Ramona Avenue • Philadelphia, PA 19120-4691 • Call 800-523-3602 • Fax 215-831-7703
lighting@simkar.com • www.simkar.com • www.cewlighting.com