

FEATURES & SPECIFICATIONS

INTEND USE — The RT5™ relight assembly is the ideal solution for renovating obsolete parabolic systems, delivering quality of light and refreshing the space. RT5R volumetric lighting eliminates the parabolic cave effect by delivering the ideal amount of light to walls, cubicles, work surfaces and people. **Certain airborne contaminants can diminish integrity of acrylic. [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)**

RT5R is suitable for replacing any 2' x 4' **parabolic fixture with at least 4-3/8"** overall depth. 2RT5R is not specifically designed for lensed troffers.

The RT5 relight assembly is recommended for offices, schools, hospitals, commercial and other general lighting applications.

OPTICAL SYSTEM — Luminous characteristics are carefully managed at high angles, providing just enough intensity to deliver the volumetric effect.

Regressed, one-piece refractive system obscures and softens the lamp and smoothly washes the reflector with light.

Linear faceted reflector softens and distributes light into the space and minimizes the contrast between the fixture and the ceiling. Mechanical cut-off across the reflector and fresnel refraction along the refractor provides high-angle shielding and a quiet ceiling.

Sloped endplates provide a balanced fixture-to-ceiling ratio while enhancing the perception of the fixture depth.

CONSTRUCTION — The relight assembly consists of five component parts that easily install into the host fixture.

End brackets are constructed of heavy-gauge powder-painted steel and attached to host fixture with secure mounting hardware. Brackets form the platform for the attachment of the light engine and trim assembly. The light engine serves as the reflector system and is finished in high-reflective white power paint. To reduce time and labor for installation, lamps, sockets and ballasts are shipped installed and prewired on light engine. A one-piece trim assembly serves as the instrument that delivers the light. Molded and recyclable PETE (polyethylene) reflector is firmly attached to the universal bracket via hinge and latch assembly. Included in this assembly are two prismatic acrylic refractors with light-diffusing finish for even illumination and lamp obscuration.

Splice box replaces the typical wireway by providing a cover for the connections of incoming supply wire, and is attached to host fixture with two TEK screws.

ELECTRICAL SYSTEM — Lamp type options include F54T5H0 with enhanced phosphors and 85 CRI. All lamps are TCLP compliant.

Ballasts are high-efficiency, program-start electronic, Class P, thermally protected, resetting, HPF, non-PCB, UL Listed, CSA Certified, sound rating A.

MAINTENANCE — Trim hinges from either side. Lamp access by hinging trim down to 90°, providing hands-free access to lamps. For hands-free ballast access, continue process by removing two screws and hinging light engine down.

LISTING — UL /cUL Classified. Labeled for use in air-handling fixtures. Does not impact existing fixture UL listing. NYC approved (#49192).

WARRANTY — Fixture guaranteed for one year against mechanical defects in manufacture. System lamp (24 months) and ballast (60 months) warranty is provided by lamp and ballast manufacturer.

Protected by one or more of US Patents Nos. 7,229,192; D541,467; D541,468; D544,633; D544,634; D544,992; D544,933 and additional patents pending.

Specifications subject to change without notice.

Catalog Number
Notes
Type



RELIGHT

Relight Volumetric Lighting

2RT5R



FLUORESCENT
2' X 4' Relight
2 Lamp
54T5H0

SIMPLY5™
LIGHTING INTELLIGENCE

Specifications

Intended to be installed in any existing parabolic recessed fixture:

Weight: 20 lbs.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: 2RT5R 54T5H0 MVOLT GEB10PS LP835P

2RT5R	54T5H0				
Series	Lamp type	Voltage	Ballast	Lamps ²	Options
2RT5R Recessed relight	54T5H0 54 W T5 (46")	MVOLT¹ 347 ³	GEB10PS 0.95 ballast factor GEB80S 0.95 ballast factor, step dimming	LP835 Lamped with 3500° K 54W lamp LP830 Lamped with 3000° K 54W lamp LP841 Lamped with 4100° K 54W lamp	EL14 Emergency battery pack³ JP_ Job packaging - _assemblies

Accessories: For field installation.	
RRC4	Side reveal cover (pair), available in sets of five (pairs) or 25 (pairs)

Notes

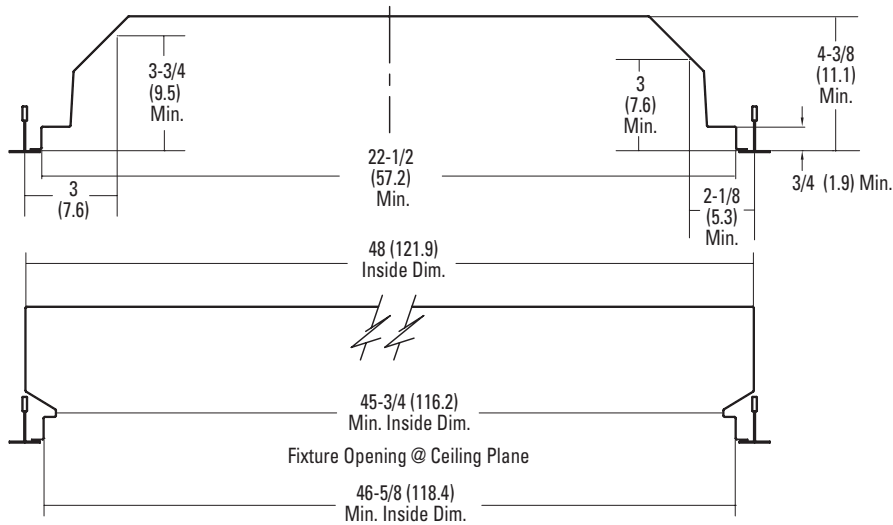
- MVOLT (120-277 volts), 50-60HZ.
- Required. All fixtures shipped with lamps installed.
- See PS1400QD spec sheet for EL lumen output information.

2RT5R Volumetric Recessed Lighting 2' x 4'

Consult factory for photometric information.

FIT COMPATIBILITY

The RT5™ relight assembly (RT5R) was engineered to upgrade parabolic fixtures from all major manufacturers conforming to the following dimensions:



All dimensions are inches (centimeters).

Relight assemblies also will upgrade many existing "deep" lensed troffers conforming to these dimensions.
Relight assemblies will not upgrade "contractor-grade" lensed troffers or lensed troffers previously upgraded with parabolic renovator kits.
In addition to conforming to the dimensions above, Lithonia Lighting recommends a trial installation prior to purchasing project quantities.