



RTG LIGHTING CASE STUDIES

PARKING GARAGES

Customer	Englewood Hospital (Case 1)
Application	Parking Garages New Jersey
Problem	Existing Metal Halides, HPS and Fluorescent Fixtures 100-120 Watts
Solution	RTG New Induction Lamps PG Series 40 Watts
Benefits	<ul style="list-style-type: none"> • 56.6% Energy Reduction • 13 months Payback • Increased light output • Rebate applied • Projected 10-year savings over \$970,000 • Increased Lamp Life



Fixture	Features	Specs								
	<ul style="list-style-type: none"> - Long life. - Lamps will last up to 100,000 burning hours. - Maintenance Free. - Excellent Quality of Light. - CRI >80. - High luminous efficacy. - Stable light output [flicker-free]. - Instant on. - Instant restrike without degrading the lamp life. 	<table border="1"> <thead> <tr> <th>Watts Lumens</th> <th>Color Temp</th> <th>Voltage</th> <th>Options</th> </tr> </thead> <tbody> <tr> <td>40w 3,000</td> <td>5,000K</td> <td>100-277v</td> <td>Square Canopy</td> </tr> </tbody> </table>	Watts Lumens	Color Temp	Voltage	Options	40w 3,000	5,000K	100-277v	Square Canopy
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40w 3,000	5,000K	100-277v	Square Canopy							



RTG LIGHTING CASE STUDIES

PARKING GARAGES

Customer	Meridian Parking (Case 2)
Application	Parking Lots Atlanta GA.
Problem	Existing Metal Halide 175 Watts
Solution	RTG New Induction Fixtures 80 Watts
Benefits	<ul style="list-style-type: none"> • 53.2% Energy Reduction • 9 months Payback • Increased light output • Rebate Applied • Increased Lamp Life



Fixture	Features	Specs										
	<ul style="list-style-type: none"> - Long life. - Lamps will last up to 100,000 burning hours. - Maintenance Free. - Excellent Quality of Light. - CRI >80. - High luminous efficacy. - Stable light output [flicker-free]. - Instant on. - Instant restrike without degrading the lamp life. 	<table border="1"> <thead> <tr> <th>Watts Lumens</th> <th>Color Temp</th> <th>Voltage</th> <th>Options</th> </tr> </thead> <tbody> <tr> <td>40w 3,000</td> <td>5,000K</td> <td>100-277v</td> <td>Square Canopy</td> </tr> </tbody> </table>	Watts Lumens	Color Temp	Voltage	Options	40w 3,000	5,000K	100-277v	Square Canopy		
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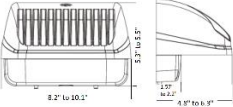


RTG LIGHTING CASE STUDIES

MULTIFAMILY

Customer	2300 Sedgewick Ave (Case 1)
Application	6 Story/92,748 sq. ft. Multifamily Building. LED DLC Listed Tubes, Surface Mounted Fixtures, Exterior Wallpacks. Flood Lights Energy Star Rated Lamps. Bronx, NYC
Problem	Inefficient Metal Halide, CFL and T8 & T9 fluorescent fixtures
Solution	RTG Lighting Common Area LED Interior fixtures Exterior LED Wallpacks & Wall Mount fixtures
Benefits	<ul style="list-style-type: none"> • 61% Energy Reduction • 2.3 years Payback • Increased light output • Rebate by Con Edison Multifamily Program • Increased Lamp Life



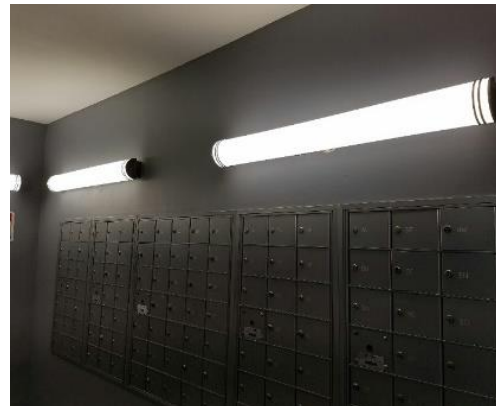
Fixture	Features	Specs			
 	<ul style="list-style-type: none"> - Long Life. - Die casted aluminum body. - Low thermal resistance and low power consumption. - Designed with junction box in mind for easy installation. - IP65/IP44. - This fixture is DLC Listed and qualifies for rebates. - Rated Lifespan: 50,000 Burning Hours. 	Watts Lumens 15w 1350 20w 1800 24w 2160 30w 2700 42w 3800 60w 5700 80w 7600 100w 10000 120w 120000	Color Temp 4000K 5000K 5700K	Voltage 100-277v	Options Wall Mount Bronze




RTG LIGHTING CASE STUDIES

MULTIFAMILY

Customer	60 Hamilton, Staten Island (Case 2)
Application	75,000 sq. ft Multifamily. Upgrade Common Area Lighting to LED. Staten Island, NYC
Problem	Inefficient Metal Halide, CFL and T8 fluorescent fixtures
Solution	RTG Lighting Common Area Energy Star Rated LED Interior fixtures. Exterior DLC Listed LED Wallpacks & Wall Mount fixtures. NYC Approved LED Exit Signs
Benefits	<ul style="list-style-type: none"> • 59.3% Energy Reduction • 3.2 years Payback • Increased light output • Rebate by Con Edison Multifamily Program • Increased Lamp Life



Fixture	Features	Specs			
	<ul style="list-style-type: none"> - Long life. - Elegant appearance with excellent heat dissipation. - Cutting edge LED technology. - 120° Beam Angle. - CRI > 81. - UL and ETL listed. 	Watts Lumens Length	Color Temp	Voltage	Options
		24w 1680 2' 28W 2000 4' 35W 2500 4'	3,000K 4,000K 5,000K	100- 277v	




RTG LIGHTING CASE STUDIES

MANUFACTURING PLANTS

Customer	DSM Nutritional Products N.A.
Application	Manufacturing Plant New Jersey
Problem	Existing Highbay Fixtures 400 Watts
Solution	RTG New Induction Highbay Fixtures 200 Watts
Benefits	<ul style="list-style-type: none"> • 55.6% Energy Reduction • 7 months Payback • Increased light output • Rebate: \$38K • Federal Tax Credit: \$150K (EPAct 179D) • Increased Lamp Life



Fixture	Features	Specs			
		Watts Lumens	Color Temp	Voltage	Options
	<ul style="list-style-type: none"> - Long life. - Lamps will last up to 100,000 burning hours. - Maintenance Free. - Excellent Quality of Light. - CRI >80. - High luminous efficacy. - Stable light output [flicker-free]. - Instant on. - Instant restrike without degrading the lamp life. 	200w 14,000 300w 21,000	5,000K	100-277v	Induction Highbays




RTG LIGHTING CASE STUDIES

CONDOMINIUM ASSOCIATIONS

Customer	Avalon Bay Communities, Inc
Application	Exterior Post Top Acorn Nanuet and Glen Cove LI New York
Problem	Existing Metal Halide 500+ port top Fxitures 175 Watts
Solution	RTG New Induction Retrofit 100 Watts
Benefits	<ul style="list-style-type: none"> • 42.6% Energy Reduction • 12 months Payback • Increased light output • Rebate by LIPA (Long Island Power Authority) • Rebate by Orange and Rockland • Increased Lamp Life



Fixture	Features	Specs			
		Watts Lumens	Color Temp	Voltage	Options
	<ul style="list-style-type: none"> - Long life. - Lamps will last up to 100,000 burning hours. - Maintenance Free. - Excellent Quality of Light. - CRI >80. - High luminous efficacy. - Stable light output [flicker-free]. - Instant on. - Instant restrike without degrading the lamp life. 	100w 2,800	5,000K	100-277v	Spherical



RTG LIGHTING CASE STUDIES

SPORTS/GYM

Customer	NY Jets, NFL (Case 1)
Application	Florham Park Practice Facility New Jersey
Problem	Existing Metal Halide and HID for exteriors
Solution	RTG New Induction and E-HID for exteriors
Benefits	<ul style="list-style-type: none"> • Average 48% Energy Reduction • 12 months Payback • Increased light output • Increased Lamp Life



Fixture	Features	Specs			
		Watts Lumens	Color Temp	Voltage	Options
	<ul style="list-style-type: none"> - Long life. - Lamps will last up to 100,000 burning hours. - Maintenance Free. - Excellent Quality of Light. - CRI >80. - High luminous efficacy. - Stable light output [flicker-free]. - Instant on. - Instant restrike without degrading the lamp life. 	40w 2,800	2,700K 3,000K 3,500K 4,000K 5,000K	100-277v	Round Rectangle
		50w 3,500			
		60w 4,200			
		80w 5,600			
		100w 7,000			
		120w 8,400			
		150w 10,500			
		200w 14,000			
		250w 17,500			
		300w 21,000			
		400w 28,000			




RTG LIGHTING CASE STUDIES

SPORTS/GYM

Customer	Division III NCAA (Case 2)
Application	Gymnasium, Swimming Pool, Weight Room, Racquet Ball Court and others Red Hook, New York
Problem	Existing Metal Halide 1000 Watts, HPS and Fluorescent around the Campus 1000 Watts and 100-160 Watts
Solution	RTG New Highbay Induction Fixtures 400 Watts and 60 Watts
Benefits	<ul style="list-style-type: none"> • 53.2% Energy Reduction • 14 months Payback • Increased light output • Rebate by Central Hudson • Increased Lamp Life • Light levels now meet NCAA standard



Fixture	Features	Specs			
	<ul style="list-style-type: none"> - Long life. - Lamps will last up to 100,000 burning hours. - Maintenance Free. - Excellent Quality of Light. - CRI >80. - High luminous efficacy. - Stable light output [flicker-free]. - Instant on. - Instant restrike without degrading the lamp life. 	Watts Lumens	Color Temp	Voltage	Options
		40w 2,800 50w 3,500 60w 4,200 80w 5,600 100w 7,000 120w 8,400 150w 10,500 200w 14,000 250w 17,500 300w 21,000 400w 28,000	2,700K 3,000K 3,500K 4,000K 5,000K	100-277v	Round Rectangle



RTG LIGHTING CASE STUDIES

SALON	
Customer	Changes (pending all details)
Application	Salon New York
Problem	Existing Metal Halide 500+ port top Fxitures 175 Watts
Solution	RTG New Induction Retrofit 72 Watts
Benefits	<ul style="list-style-type: none"> • 42.6% Energy Reduction • 12 months Payback • Increased light output • Rebate by LIPA (Long Island Power Authority) • Rebate by Orange and Rockland • Increased Lamp Life



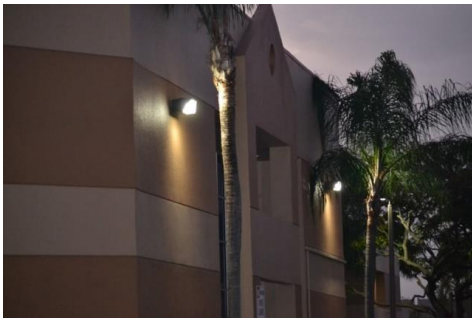
Fixture	Features	Specs			
	<ul style="list-style-type: none"> - Long life. - Lamps will last up to 50,000 burning hours. - Maintenance Free. - Excellent Quality of Light. - CRI >80. - High luminous efficacy. - Stable light output [flicker-free]. - Instant on. 	Watts Lumens	Color Temp	Voltage	Options
		72w 4,600	4,000K	100-277v	Flat Panles




RTG LIGHTING CASE STUDIES

OFFICE BUILDINGS

Customer	Ives Dairy Commerce Center
Application	Commerce Center Exterior Miami, FL
Problem	Existing HID Fixtures 200 Watts
Solution	RTG New Induction Fixtures 100 Watts
Benefits	<ul style="list-style-type: none"> • 58.4% Energy Reduction • 14 months Payback • Increased light output from 0.9 to 2.1 foot candles • Rebate Applied • Increased Lamp Life




Fixture	Features	Specs			
		Watts Lumens	Color Temp	Voltage	Options
	<ul style="list-style-type: none"> - Long life. - Lamps will last up to 100,000 burning hours. - Maintenance Free. - Excellent Quality of Light. - CRI >80. - High luminous efficacy. - Stable light output [flicker-free]. - Instant on. - Instant restrike without degrading the lamp life. 	120w 8,400	5,000K	100-277v	Shoebbox



RTG LIGHTING CASE STUDIES

GOVERNMENT	
Customer	Marine Corps
Application	USMC Blount Island Command Jacksonville, FL
Problem	Existing HID Fixtures 1000 Watts
Solution	RTG New E-HID Fixtures 315 Watts
Benefits	<ul style="list-style-type: none"> • 58.4% Energy Reduction • 14 months Payback • Increased light output from 1.9 to 21.4 foot candles • Rebate Applied • Increased Lamp Life



Fixture	Features	Specs			
	<ul style="list-style-type: none"> - UL and CUL listed for wet location - Formed 2 piece aluminum housing - Hinged front frame - Continuous welded on all seams - Heat and impact resistant tempered glass lens - Standard with mogul base socket-E39, UL approved - Textured bronze powder coat finish - Aluminum Type 5 reflector - CRI 95 	Watts Lumens	Color Temp	Voltage	Options
		350w 42,000	5,000K	100-277v	Square Canopy Bronze



RTG LIGHTING CASE STUDIES

UNIVERSITY

Customer	Floyd Hall Arena at Montclair University
Application	92,000 Sq. Ft. Arena, Executive Offices, Pro Shop and Meeting Rooms LED 2x2 and 2x4 DLC Listed Troffers LED DLC Listed Tubes, Recessed Downlights and Wallpacks Little Falls, NJ
Problem	Inefficient Metal Halide, CFL and T8 fluorescent fixtures
Solution	RTG Lighting new LED recessed high hats, wallpacks and LED tubes
Benefits	<ul style="list-style-type: none"> • 58% Energy Reduction • 14 months Payback • Increased lamp life • Rebate by New Jersey Clean Energy Program • Increased Lamp Life




Fixture	Features	Specs			
<p>6" to 10.25" max diameter</p>	<ul style="list-style-type: none"> - Projects Light Down. - Fire rated junction box. - 6" Fits apertures of 6" – 6.7" max diameter. - 8" Fits apertures of 7.72" – 8.25" max diameter. - 120-277V 60Hz. - Rated for Damp Locations. - 50,000 Burning Hours. 	Watts Lumens Length	Color Temp	Voltage	Options
		18w 1438 6" 23w 1770 6" 27w 2220 6" 18w 1350 8" 23w 1770 8" 27w 1890 8" 40w 2880 8" 54w 3780 8" 56w 4100 8" 54w 4000 10"	5,000K 4,000K 5,000K	100-277V (MV)	0-10V Dimming (10V)



RTG LIGHTING CASE STUDIES

AIRPORTS	
Customer	Teterboro Airport
Application	Teterboro NJ.
Problem	Existing Metal Halide Roadways Fixtures 400 Watts
Solution	RTG New Induction Roadways Cobra Head Fixtures 200 Watts
Benefits	<ul style="list-style-type: none"> • Over 50% Energy Reduction • 14 months Payback • Increased light output • Rebate Applied • Increased Lamp Life



Fixture	Features	Specs			
		Watts Lumens	Color Temp	Voltage	Options
	<ul style="list-style-type: none"> - UL and CUL listed for wet location - Formed 2 piece aluminum housing - Hinged front frame - Continuous welded on all seams - Heat and impact resistant tempered glass lens - Standard with mogul base socket-E39, UL approved - Textured bronze powder coat finish - Aluminum Type 5 reflector - CRI 95 	200w 42,000	5,000K	100-277v	Square Canopy Bronze