

Rotational Retrofit LED Lamps



Features

- Direct replacement for Metal Halide, easy installation.
- Fits multiple different fixtures to replace traditional lamps.

Benefits

- Large heatsink.
- New style and high efficient wide-range input.
- Long lifespan and good heat dissipation.



Applications

- Streetlights
- Floodlights
- Canopy Lights

Rotational Retrofit LED Lamps are a highly efficient replacement for use in existing enclosed luminaires. These directional lamps rotate through 360 degrees to ensure the best light output whilst minimizing reflectance losses. Featuring a Magnesium Alloy heatsink for improved heat dissipation these lamps are perfect for retrofitting into streetlights and floodlights.

Performance Data

Part Code	Description	LPW	System Power	Lumens	Rated Life L80 B5 at (Hours)	CCT	UMSUG
RTF102	15W Rotational Retrofit LED Lamp, E27, 740	130	15W	1,700	>100,000	4000	Under Test
RTF103	27W Rotational Retrofit LED Lamp, E27, 740	130	27W	3,510	>100,000	4000	Under Test
RTF104	36W Rotational Retrofit LED Lamp, E27, 740	130	36W	4,680	>100,000	4000	Under Test
RTF105	54W Rotational Retrofit LED Lamp, E27, 740	130	54W	7,020	>100,000	4000	Under Test
RTF110	54W Rotational Retrofit LED Lamp, E40, 740	130	54W	7,020	>100,000	4000	Under Test
RTF111	75W Rotational Retrofit LED Lamp, E40, 740	130	75W	9,750	>100,000	4000	Under Test
RTF112	95W Rotational Retrofit LED Lamp, E40, 740	130	95W	12,350	>100,000	4000	Under Test
RTF113	115W Rotational Retrofit LED Lamp, E40, 740	130	115W	14,950	>100,000	4000	Under Test



50,000
Hours



Years
Warranty



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Photometric Data

Part Code	Lumens	LPW	Rated Life (Hrs)	L80 B50 @ 15C (Hrs)	CCT (K)	Beam (°)
RTF102	1,700	130	50,000	>100,000	4,000	90*150
RTF103	3,510	130	50,000	>100,000	4,000	90*150
RTF104	4,680	130	50,000	>100,000	4,000	90*150
RTF105	7,020	130	50,000	>100,000	4,000	90*150
RTF110	7,020	130	50,000	>100,000	4,000	90*150
RTF111	9,750	130	50,000	>100,000	4,000	90*150
RTF112	12,350	130	50,000	>100,000	4,000	90*150
RTF113	14,950	130	50,000	>100,000	4,000	90*150

Electrical Data

Part Code	Input (W)	Input (V) ±10%	Input (Hz)	Input (A)	Electrical Class	Inrush (A) (Ipeak)	Inrush (µs) (Ipeak/2)	No. per C16	Power Factor	THD (%)	Dimming Type
RTF102	15	100-240	50/60	0.2	2	35	80	100	>0.9	<15	Non-Dimmable
RTF103	27	100-240	50/60	0.25	2	35	80	80	>0.9	<15	Non-Dimmable
RTF104	36	100-240	50/60	0.4	2	35	80	60	>0.9	<15	Non-Dimmable
RTF105	54	100-240	50/60	0.55	2	85	300	7	>0.9	<20	Non-Dimmable
RTF110	54	100-240	50/60	0.55	2	85	300	7	>0.9	<20	Non-Dimmable
RTF111	75	100-240	50/60	0.75	2	85	300	7	>0.9	<20	Non-Dimmable
RTF112	95	100-240	50/60	1	2	85	300	7	>0.9	<20	Non-Dimmable
RTF113	115	100-240	50/60	1.2	2	85	300	6	>0.9	<20	Non-Dimmable

Physical Data

Part Code	Lens Type	Case Material	Dimensions LxWxH (mm)	Enclosed Luminaire Min. Size	Base	Weight (kg)
RTF102	Polycarbonate	Magnesium Alloy	233 x 113 x 80mm	340 x 200 x 200mm	E27	0.7
RTF103	Polycarbonate	Magnesium Alloy	233 x 113 x 80mm	340 x 200 x 200mm	E27	0.7
RTF104	Polycarbonate	Magnesium Alloy	233 x 113 x 80mm	380 x 200 x 200mm	E27	0.7
RTF105	Polycarbonate	Magnesium Alloy	233 x 113 x 80mm	420 x 210 x 210mm	E27	0.7
RTF110	Polycarbonate	Magnesium Alloy	243 x 113 x 80mm	420 x 210 x 210mm	E40	1.25
RTF111	Polycarbonate	Magnesium Alloy	297 x 138 x 87mm	420 x 230 x 230 mm	E40	1.25
RTF112	Polycarbonate	Magnesium Alloy	297 x 138 x 87mm	440 x 240 x 240 mm	E40	1.25
RTF113	Polycarbonate	Magnesium Alloy	297 x 138 x 87mm	440 x 260 x 260 mm	E40	1.3

Environmental Data

Max. Ambient (°C)	45
Min. Ambient (°C)	-20
IP Rating	IP21
Thermal Cooling	15, 27W, 36W Fanless - Self Convection. 54W, 75W, 95W, 115W, Internal Fan Assisted
Warm Up Time	Instant

General Data

Energy Rating	A+
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RTF102/103



RTF104/105



RTF110/111



RTF112/113