RETRO-Fusion[™] 500

500W Incandescent Replacement LED Engine 120V • 277V • 240VAC • CSA



Energy efficient LED Light Engine

Designed to retrofit directly into existing fixtures.

The RETRO-Fusion is a CSA listed, Energy Star 2.0 retrofit kit that rapidly transforms existing inefficient incandescent fixtures into energy efficient LED fixtures. Our patented technology allows the fixture to smoothly dim from 0-100% utilizing existing dimming technology. Retrofit kits are available with a variety of options for both recessed and pendant style fixtures. Installation is as easy as changing a light bulb. Our LED technology creates even fields and delivers consistent color. The RETRO-Fusion 500 delivers more light than most 500 watt incandescent bulbs it replaces with only a 49 watt load.



What the RETRO IS

- · More cost effective than fixture replacement
- · Large lumen output for this section of the market
- Listed for screw in replacement
- Energy Star certified 2.0
- Dims on existing dimming systems with no additional installation of control system
- 0-100% dimming without flicker, pulse, or stepping
- 80+ High CRI

Electrical Data

- 49 Watts (49.07)
- Power Factor (PF) .9955
- Lumens: 5676 @ 2700K
- Lumens per watt: 115.67
- LM 70: >50,000 Hours
- CRI@2700K: 82,R9+4.9
- 1 lb 12.9 oz 15.1 w/ Reflector

Applications

- 9 feet to 50 feet high ceilings
- Where dimming is a key concern
- Where there is no desire or budget to replace existing fixtures
- Where access is limited
- · Where Energy Star is required
- Where a custom solution is required

· Where the ceiling cannot be disturbed

- Auditoriums
- Houses of worship

Typical Installations

- Arenas
- Lobbies
- Museums
- **Educational facilities**
- · Convention centers

Base Types

E26- Edison

E11- Mini Candelabra

CCT Lumen Output

2700K: 5676 Lumens	
3000K: 6024 Lumens	
3500K: 6239 Lumens	
4000K: 6309 Lumens	
5000K: 6372 Lumens	

Fixture Lenses

Tall 15 Degrees	
Tall 23 Degrees	
Tall 46 Degrees	
Short 26 Degree	
Short 40 Degree	
Short 59 Degrees	
Short 70 Degrees	
None 120 Degrees	

Color Temp

Cotor remp					
2700К -					
3000K - Standard					
3500К -					
4000K -					
5000K -					

Order Guide

R500	-	-	-	-	-	-

Base Type
EB- Edison (E26)
MC- Mini Candelabra (E11)
BW- Bare Wire

Length of	Stem	Color Temp	CRI*	Optics	Accessories	Warranty
Lift Plate	(1/2")		80 is standard	Tall 15	PAR46 Ring	10 Year LED Array
E11	E26	2700K	80, 90, 97	Tall 23	PAR56 Ring	3 Year Standard
1 ^{3/4} "	1"	3000K	80, 90, 97	Tall 46	PAR64 Ring	+1
2 ^{3/4} "	1 1/2"	3500K	80, 90	Short 26	Diffuser	+2
4"	2 1/2"	4000K	80, 90, 97	Short 40	(E39) Mogul Adaptor for E26	+3
	aro Wiro Includo	5000K	80, 90	Short 59	BA15D	
Custom Bare Wire Include Length				Short 70	E26 Extender	
201.611				NONE- 120 Degrees	Adjustable Par Ring (56)(64)	
					Custom - Include .dwg or .pdf	

^{*} Chips with a CRI greater than 80 are an additional 6 weeks beyond standard delivery





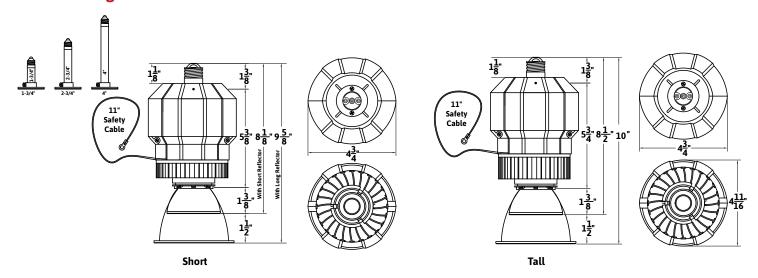


RETRO-Fusion[™] 500

500W Incandescent Replacement LED Engine 120V • 277V • 240VAC • CSA



Fixture Drawing



Weight: 1lb 12.9oz w/Reflector

Weight: 1lb 15.1oz w/Reflector

Photometrics (R500) 3,000K

Multiplication Factor for Color Temperature

- to convert to 2,700 Kelvin fc X .9488
- to convert to 3,500 Kelvin fc X 1.0196
- to convert to 4,000 Kelvin fc X 1.0439
- to convert to 5,000 Kelvin fc X 1.0617

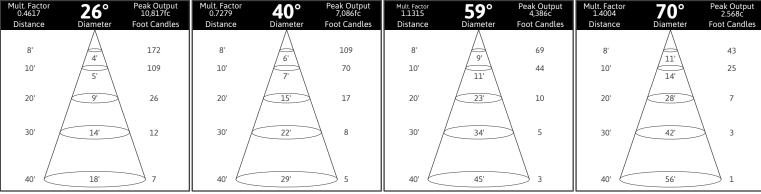
To Solve Footcandles Over A Distance

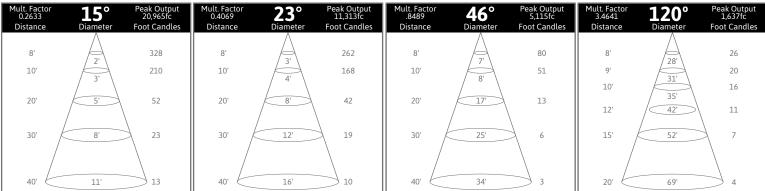
Peak Output

(Distance X Distance)

To Solve Area Over A Distance

Distance X Mult.Factor





Contact your local representative or dealer for IES files.





