

RETRO-Fusion® 2.0 300

300W Incandescent Replacement LED Engine
120V • 230V • 240VAC

CANTOUSA
INNOVATIVE LIGHTING PRODUCTS

Energy efficient LED Light Engine

Designed to retrofit directly into existing fixtures.

The RETRO-Fusion 2.0 is a CSA listed 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 2.0 300 delivers more light than most 300 watt incandescent bulbs it replaces with only a 30 watt load.

**10 Year
LED Array
Warranty**



Fairfax High School, Fairfax, Virginia
105 RETRO 500s at 3000K
Installed by Artistic Concepts Group

What the Fusion 2.0 IS

- More cost effective than fixture replacement
- Large lumen output for this market
- Listed for screw in replacement
- Field swappable tops
- Serviceable safety cable
- Dims on existing dimming systems with no additional installation of control system
- 0-100% dimming without flicker, pulse, or stepping
- 80+ High CRI
- Standard 5 Year Limited Warranty. An extended warranty of up to 5 additional years can be added at the time of purchase

Electrical Data

- 30 Watts (30.61)
- Lumens 3237 @ 2700K
- Power Factor (PF) .9936
- Lumens per watt: 105.74
- LM 70: >50,000 Hours
- CRI@2700K: 81.73, R9+2.6
- 1 lb 11.7 oz w/Reflector (.820 kg)

Applications

- 9 feet to 40 feet high ceilings (2.75 - 12.25 meter high ceilings)
- Where dimming is a key concern
- Where there is no desire or budget to replace existing fixtures
- Where access is limited
- Where a custom solution is required
- Where the ceiling cannot be disturbed

Typical Installations

- Auditoriums
- Churches and houses of worship
- Arenas
- Lobbies
- Museums
- Educational facilities
- Convention centers

Top Types

E26 - Edison
E11 - Mini Candelabra
E39 - Mogul *
BA15D *
Par Ring/Bare Wire
Bi-Pin
Custom Options

CCT Lumen Output

2700K: 3237 Lumens
3000K: 3416 Lumens
3500K: 3481 Lumens
4000K: 3563 Lumens
5000K: 3624 Lumens

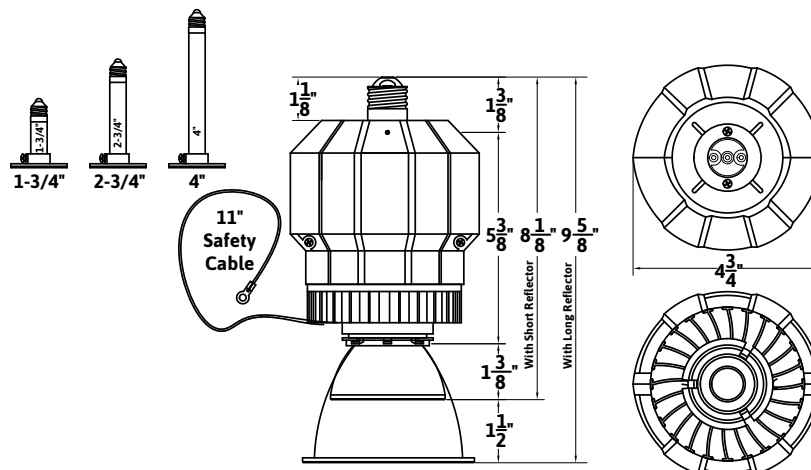
Fixture Reflectors

Tall 11 Degrees
Tall 20 Degrees
Tall 47 Degrees
Short 15 Degree
Short 28 Degree
Short 56 Degrees
Short 74 Degrees
None 120 Degrees

Color Temp

2700K -
3000K - Standard
3500K -
4000K -
5000K -

Fixture Drawing



Weight: 1lb 11.7oz w/Reflector
.820 kg w/Reflector

ATTENTION: If your space has been designed with multiple RETRO models, please contact the factory to discuss fade and dimming options for your space.



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V 1.5 4/14/26

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Order Guide

1. RETRO

00	F2		300			
	LIGHT	VOLTAGE	FIXTURE TYPE	SINK SIZE	COLOR TEMP	CRI
	F2	120 230	300	X (Standard)	2.7K 3.0K 3.5K 4.0K 5.0K	80 *90 *97

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

2. TOPS

00	TOP		
	TOP	TYPE	LENGTH
	TOP	E26 → 1.35" or *CCC	
		E11 → 1.75", 2.75", 4.00" or *CCC	
		BW (Bare Wire) → 12" min, increase in 6" increments	

*Custom height in inches to the nearest 1/4" from the top to the plate to the tip.

3. REFLECTOR

00			
	REFLECTOR	DEGREE	SIZE
	REF	15 → T	
		23 → T	
		46 → T	
		26 → S	
		40 → S	
		59 → S	
		70 → S	
	ZOR (ZORYA)	25	

4. ADAPTER & EXTENDER OPTIONS

00		
	TYPE	TYPE
	ADP → *BAYONET (BA15D)	
	ADP → *MOGUL (E39 TO E26)	
	EXT → 1.25" or 2.5"	

*E39 and BA15D require an E26 top with adapters used to make this unit compatible with these top types.

5. DIFFUSERS

00	DIF	
	DIFFUSER	TYPE
		SMALL (For Shorts)
		LARGE (For Talls)
		KIT (For Shorts and Talls)

Photometrics (R300) 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

$$\text{Peak Output} \div (\text{Distance} \times \text{Distance})$$

To Solve Area Over A
Distance

$$\text{Distance} \times \text{Mult. Factor}$$

Mult. Factor 0.4617 Distance	15° Diameter	Peak Output 2,203fc Foot Candles	Mult. Factor 0.7279 Distance	28° Diameter	Peak Output 4,610fc Foot Candles	Mult. Factor 1.1315 Distance	56° Diameter	Peak Output 2,134fc Foot Candles	Mult. Factor 1.4004 Distance	74° Diameter	Peak Output 1,134fc Foot Candles
8'	2'	360	8'	4'	141	8'	9'	61	8'	11'	41
10'	3'	222	10'	5'	85	10'	11'	37	10'	14'	25
20'	5'	49	20'	10'	18	20'	21'	8	20'	28'	5
30'	8'	21	30'	15'	8	30'	32'	4	30'	42'	2
40'	11'	11	40'	20'	5	40'	42'	1	40'	56'	.1

Mult. Factor .1926 Distance	11° Diameter	Peak Output 26,920fc Foot Candles	Mult. Factor 0.4069 Distance	20° Diameter	Peak Output 19,252fc Foot Candles	Mult. Factor .8489 Distance	47° Diameter	Peak Output 5,253fc Foot Candles	Mult. Factor 3.4641 Distance	120° Diameter	Peak Output 1,134fc Foot Candles
8'	1.5'	405	8'	3'	347	8'	7'	92	8'	28'	24
10'	2'	259	10'	4'	210	10'	9'	57	9'	31'	19
20'	4'	65	20'	7'	44	20'	17'	12	10'	35'	15
30'	6'	29	30'	11'	18	30'	25'	5	12'	42'	10
40'	8'	16	40'	14'	10	40'	34'	3	15'	52'	6
									20'	69'	3

Contact your local representative or dealer for IES files.

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