

RETRO-HPL Series

Incandescent Replacement LED Engine

Energy Efficient LED Light Engine

Designed to retrofit directly into existing
Source 4® PAR fixtures.

The RETRO-HPL Series is a CSA listed retrofit kit that rapidly transforms existing incandescent fixtures into energy efficient LED fixtures. It is a direct replacement for existing Source 4 PARs in the marketplace, especially those used for house lights. This direct, non-destructive, and easy to install kit provides unparalleled dimming with its standard ease of use. Our patented technology allows the fixture to smoothly dim from 0-100% utilizing existing dimming technology. Its LED technology creates even fields and delivers consistent color. The RETRO series delivers more light with more output than any other option on the market.

**10 Year
LED Array
Warranty**



What the RETRO IS

- More cost effective than fixture replacement
- Direct replacement of HPL 575/115X
- Listed to utilize the Bi-Pin HPL lamp base
- Dims on existing dimming systems with no additional installation of control system
- Completely flicker free, 0-100% dimming without flicker, pulse, or stepping
- 80+ Higher CRI
- Quantity of fixtures is only limited by the amperage on the dimmer

Applications

- Where dimming is a key concern
- Where there is no desire or budget to replace existing fixtures
- Where access is limited
- Where the ceiling cannot be disturbed

Typical Installations

- Auditoriums
- Houses of worship
- Arenas
- Lobbies
- Museums
- Educational facilities
- Convention centers
- Concert halls

Electrical Data

- 90 Watts
- Power Factor (PF) .9955
- Lumens: 10133 @ 2700K
- Lumens per watt: 112.3
- LM 70: >50,000 Hours
- CRI@2700K: 81.11, R9+1.8
- 1 lb 15.1 oz w/Reflector

Reflectors

Short 26 Degree
Short 40 Degree
Short 59 Degree
Short 70 Degree
None 120 Degree

Color Temp

3000 K - Standard

Ordering Info

RETRO-HPL

00_F2_120_1000H_3.0K_80 RETRO Unit

00_TOP_HP_6.00 Adapter Plate

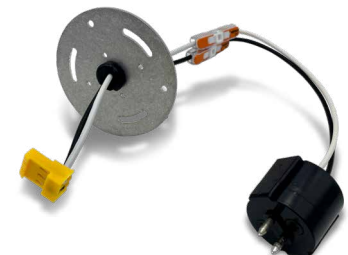
Reflectors

00_REF_26_S Short 26° Reflector

00_REF_40_S Short 40° Reflector

00_REF_59_S Short 59° Reflector

00_REF_70_S Short 70° Reflector

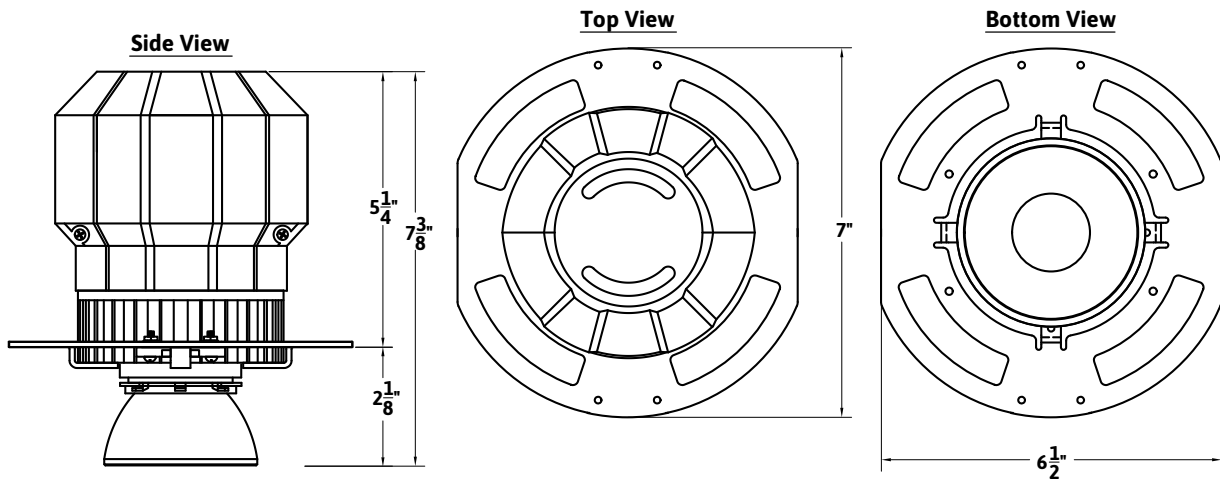


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Fixture Drawing



Photometrics (RETRO-HPL) 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

Mult. Factor 0.4617 Distance	26° Diameter	Peak Output 14,514fc
15'	7'	82
20'	9'	47
25'	11' 6"	30
30'	14'	21
35'	16'	17
40'	18'	13

Mult. Factor 0.7279 Distance	40° Diameter	Peak Output 11,431fc
15'	20'	49
20'	28'	27
25'	36'	18
30'	42'	13
35'	44'	10
40'	48'	8

Mult. Factor 1.1315 Distance	59° Diameter	Peak Output 11,309c
15'	24'	48
20'	30'	27
25'	39'	17
30'	45'	12
35'	50'	9
40'	54'	7

Mult. Factor 1.4004 Distance	70° Diameter	Peak Output 4,672c
15'	24'	20
20'	32'	12
25'	38'	8
30'	46'	5

Mult. Factor 3.4641 Distance	120° Diameter	Peak Output 2,941fc
15'	52'	13
20'	70'	7
25'	87'	4

Contact your local representative or dealer for IES files.