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, Energy Star 2.0 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.



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
- · Energy Star certified 2.0
- · 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 Energy Star is required
- · Where the ceiling cannot be disturbed

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

XWFL

MFL

WFL

Color Temp

3000 K - Standard





Typical Installations

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



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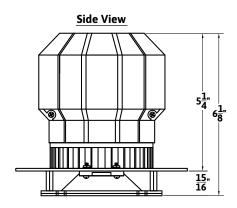


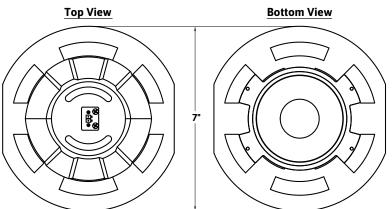
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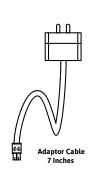




Fixture Drawing







Photometrics (RETRO-HPL) 3,000K

Multiplication Factor for Color Temperature

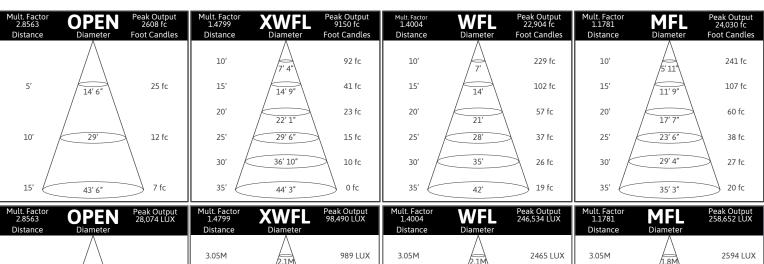
- to convert to 2,700 Kelvin fc X .9488
- to convert to 3,500 Kelvin fc X 1.0196
- to convert to 4,000 Kelvin fc X 1.0439
- to convert to 5,000 Kelvin fc X 1.0617

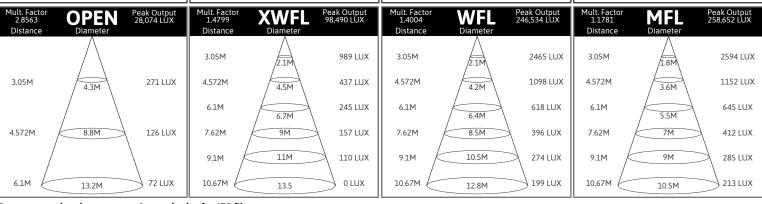
To Solve Footcandles Over A Distance

Peak Output ÷ (Distance X Distance)

To Solve Area Over A Distance

Distance X Mult.Factor





Contact your local representative or dealer for IES files.





