

RETRO-PAR Series

Incandescent Replacement LED Engine

Energy efficient LED Light Engine

Designed to retrofit directly into existing fixtures.

The RETRO-PAR Series 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 series delivers more light than most incandescent bulbs it replaces with less watt load. We have Par 38, 46, 56, 64, and custom.

**10 Year
LED Array
Warranty**



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+ Higher CRI

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 a custom solution is required
- Where the ceiling cannot be disturbed

Typical Installations

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

PAR Rings

PAR46 Ring
PAR56 Ring
PAR64 Ring
Adjustable Par Ring (56)(64)
Custom - Include .dwg or .pdf

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

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



Available for the following in the RETRO Series:

RETRO-Classic™

RETRO-Classic 150
RETRO-Classic 300
RETRO-Classic 500
RETRO-Classic 700
RETRO-Classic 1000

RETRO-Passive®

RETRO-Passive 150
RETRO-Passive 300
RETRO-Passive 500
RETRO-Passive 700

See the line of RETRO fixture specification sheets for photometric data.

Please reference the specific RETRO Series informational sheet for electrical data, fixture drawings and photometrics.

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.

**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
- 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

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

XWFL
WFL
MFL

Color Temp

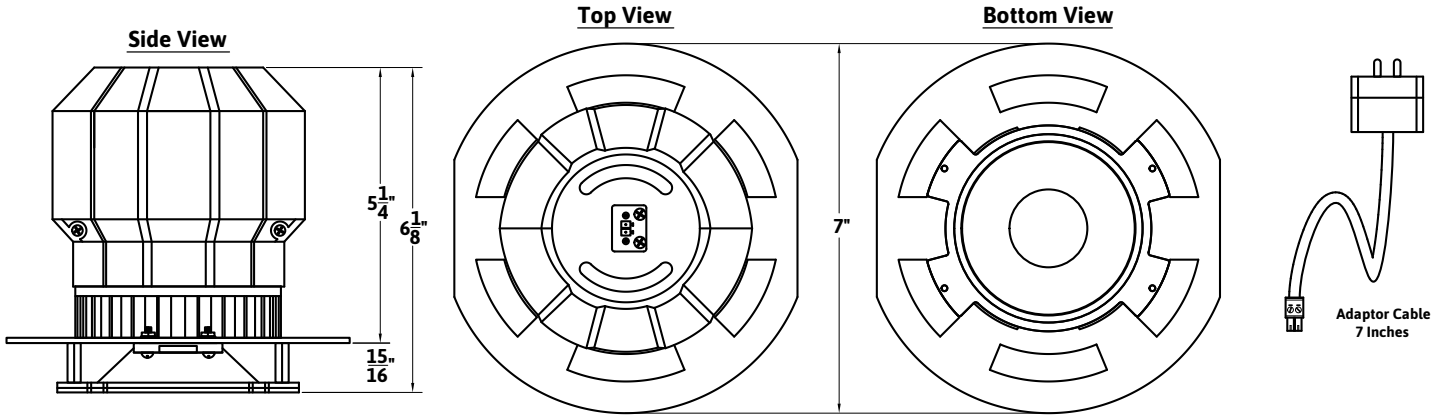
3000 K - Standard

Source Four® is a registered trademark or trademarks of Electronic Theatre Controls, Inc. in the United States and other countries. All other trademarks, both marked and not marked, are the property of their respective owners.

RETRO-HPL Series

Incandescent Replacement LED Engine

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

To Solve Area Over A
Distance

Peak Output ÷ (Distance X Distance)

Distance X Mult.Factor

Mult. Factor 2.8563 Distance	OPEN Diameter	Peak Output 2608 fc Foot Candles	Mult. Factor 1.4799 Distance	XWFL Diameter	Peak Output 9150 fc Foot Candles	Mult. Factor 1.4004 Distance	WFL Diameter	Peak Output 22,904 fc Foot Candles	Mult. Factor 1.1781 Distance	MFL Diameter	Peak Output 24,030 fc Foot Candles
5'	14' 6"	25 fc	10'	7' 4"	92 fc	10'	7'	229 fc	10'	5' 11"	241 fc
10'	29'	12 fc	15'	14' 9"	41 fc	15'	14'	102 fc	15'	11' 9"	107 fc
15'	43' 6"	7 fc	20'	22' 1"	23 fc	20'	21'	57 fc	20'	17' 7"	60 fc
			25'	29' 6"	15 fc	25'	28'	37 fc	25'	23' 6"	38 fc
			30'	36' 10"	10 fc	30'	35'	26 fc	30'	29' 4"	27 fc
			35'	44' 3"	0 fc	35'	42'	19 fc	35'	35' 3"	20 fc

Mult. Factor 2.8563 Distance	OPEN Diameter	Peak Output 28,074 LUX	Mult. Factor 1.4799 Distance	XWFL Diameter	Peak Output 98,490 LUX	Mult. Factor 1.4004 Distance	WFL Diameter	Peak Output 246,534 LUX	Mult. Factor 1.1781 Distance	MFL Diameter	Peak Output 258,652 LUX
3.05M	4.3M	271 LUX	3.05M	2.1M	989 LUX	3.05M	2.1M	2465 LUX	3.05M	1.8M	2594 LUX
4.572M	8.8M	126 LUX	4.572M	4.5M	437 LUX	4.572M	4.2M	1098 LUX	4.572M	3.6M	1152 LUX
6.1M	13.2M	72 LUX	6.1M	6.7M	245 LUX	6.1M	6.4M	618 LUX	6.1M	5.5M	645 LUX
			7.62M	9M	157 LUX	7.62M	8.5M	396 LUX	7.62M	7M	412 LUX
			9.1M	11M	110 LUX	9.1M	10.5M	274 LUX	9.1M	9M	285 LUX
			10.67M	13.5	0 LUX	10.67M	12.8M	199 LUX	10.67M	10.5M	213 LUX

Contact your local representative or dealer for IES files.



16watt-48watt Architectural Fixtures TAS Family



TAS-HL114 HouseLight

Beautiful, natural light in all its forms,
Colordeve house light give you quality of light, and quality of options

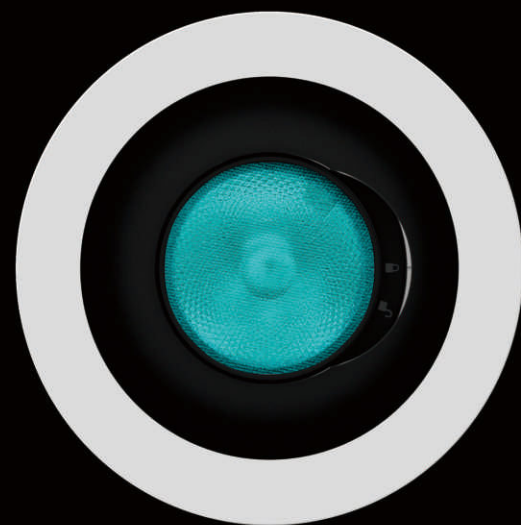
80watt-110watt Architectural Fixtures TAS Family



TAS-HL145 HouseLight

Beautiful, natural light in all its forms,
Colordeve house light give you quality of light, and quality of options

TAS-HL114 HOUSE LIGHT



TAS-HL114 SPECIFICATION SUMMARY

Models	TAS-HL114 mini Natray	TAS-HL114 mini Classic	TAS-HL114 Standard Natray	TAS-HL114 Standard Classic	TAS-HL114 Halogen-35
Wattage	16W	24W	48W	48W	35W
Colors Array	Natray RGBACL	RGBL	Natray RGBACL	RGBL	DTW&Tunable White 1800K -4000K
Beam Angles	12deg 25deg 35deg	12deg 25deg 35deg	17deg 30deg 40deg	17deg 30deg 40deg	25deg 35deg 60deg
CRI	95+	80+	95+	80+	90+
Lumen Lux @3m	510lm 1250lx(12deg)	790lm 1626lx(12deg)	1300lm 1400lx(17deg)	1500lm 1700lx@(17deg)	2700lm 785lx#25deg
Voltage	DC24V	DC24V	DC24V	DC24V	DC48V
Control	DMX + RDM	DMX + RDM	DMX + RDM	DMX + RDM	DMX + RDM
Driver	TAS-PD300-24	TAS-PD300-24	TAS-PD300-24	TAS-PD300-24	TAS-PD300-48
Mounting	Recessed Pendant Surface Cylinder Wall Mounte	Recessed Pendant Surface Cylinder Wall Mounte	Recessed Pendant Surface Cylinder Wall Mounte	Recessed Pendant Surface Cylinder Wall Mounte	Recessed Pendant Surface Cylinder Wall Mounte
Optical Accessories	Frosted Louver Linear	Frosted Louver Linear	Frosted Louver Linear	Frosted Louver Linear	Frosted Louver Linear
Trim Plate Accessories	Standard Wall Wash Pinhole Offset	Standard Wall Wash Pinhole Offset	Standard Wall Wash Pinhole Offset	Standard Wall Wash Pinhole Offset	Standard Wall Wash Pinhole Offset
Compliance	RoHS/CE	RoHS/CE	RoHS/CE	RoHS/CE	RoHS/CE

TAS-HL145 HOUSE LIGHT



TAS-HL145 SPECIFICATION SUMMARY

Models	TAS-HL145 RGBL zoom	TAS-HL145 RGBAL fixed angle	TAS-HL145 Tunable White fixed angle
Wattage	110W	110W	80W
Colors Array	RGBL	RGBAL	2700K -6500K
Beam Angles	Motorized zoom 8-50deg	15deg 23deg 38deg 45deg 60deg	20deg 38deg 45deg 60deg
CRI	80+	90+	90+
Lumen Lux @3m	1200lm 6422lx(8deg)	5200lm 2132lx(15deg)	5000lm 2141lx(20deg)
Voltage	100-240VAC	100-240VAC	100-240VAC
Control	DMX+RDM	DMX+RDM	DMX+RDM
UI Type	DIP Switch	DIP Switch	DIP Switch
Mounting	Recessed Pendant Surface Cylinder Wall Mounte	Recessed Pendant Surface Cylinder Wall Mounte	Recessed Pendant Surface Cylinder Wall Mounte
Optical Accessories	Frosted Louver Linear	Frosted Louver Linear	Frosted Louver Linear
Weight	3.2kg	3.05kg	2.8kg
Compliance	RoHS/CE	RoHS/CE	RoHS/CE

