

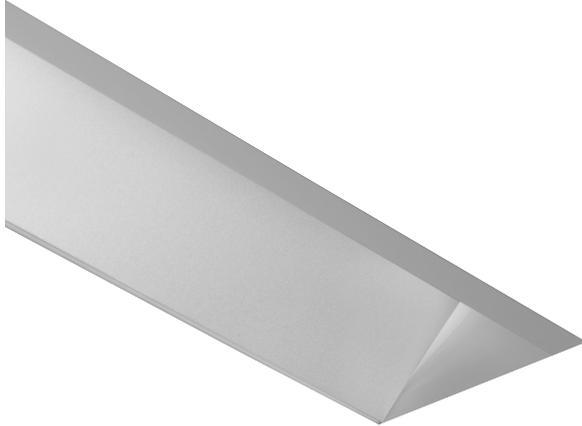


Date

Project

Type

Comments

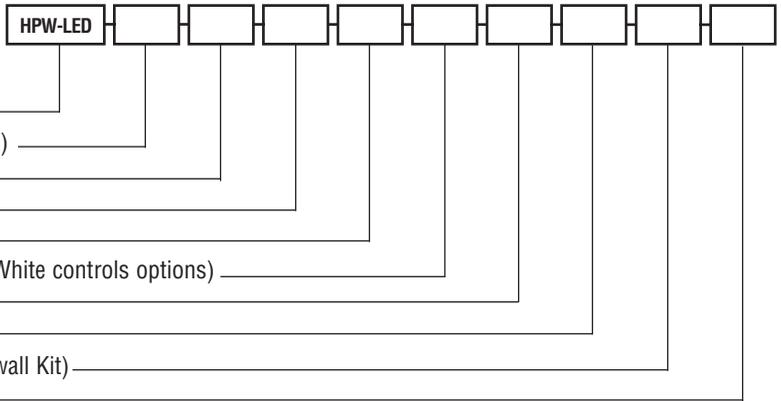


DESCRIPTION

HPW-LED is a high performance recessed asymmetric LED wall wash that delivers excellent visual comfort and uniform vertical illumination. This Product is enrolled in the International Living Future Institute (ILFI) Declare 2.0 Program and is third-party verified with options achieving Red List Approved and Declared status.

ORDERING GUIDE

Sample Number: HPW-LED - 4' - FR - B - 8 - TW - 277V - SC - C1 - RLA

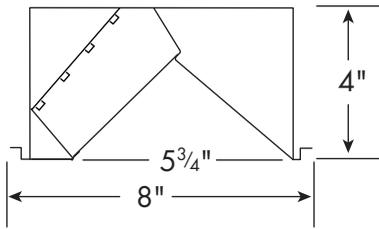


Finelite Series **HPW-LED** _____
 Length / Pre-qualified Controls by Others (**2'**, **4'**, **8'** multiples standard) _____
 Lens Optic (**FR** - Frosted) _____
 Light Output (**B** - Boosted Standard, **V** - Very High) _____
 LED CRI (**8** - 80 CRI Min (standard), **9** - 90 CRI Min) _____
 LED Color Temperature (**TW** - Tunable White. See below for Tunable White controls options) _____
 Driver (**120V**, **277V**) _____
 Circuiting (**SC** - Single Circuit) _____
 Mounting (**C1** - 1" T-Bar, **C2** - 9/16" T-Bar, **C3** - Screw Slot, **DW** - Drywall Kit) _____
 Special Options (**RLA** - Red List Approved, **RLD** - Declared Label) _____

TUNABLE WHITE CONTROLS OPTIONS: SELECT ONE

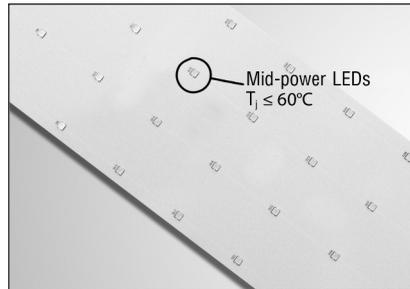
- Controls by others with pre-qualified DMX driver
- Controls by others with pre-qualified DALI driver
- Controls by Lutron with pre-qualified Lutron driver

LUMINAIRE FEATURES



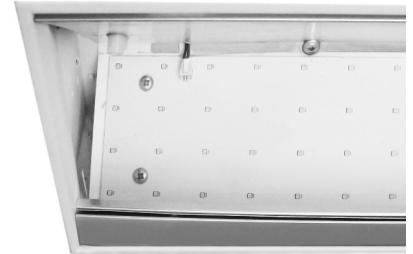
DIMENSIONS

HPW-LED is available in 2', 4', or 8' lengths. The width of the fixture is 8" and the height is 4".



THERMAL MANAGEMENT

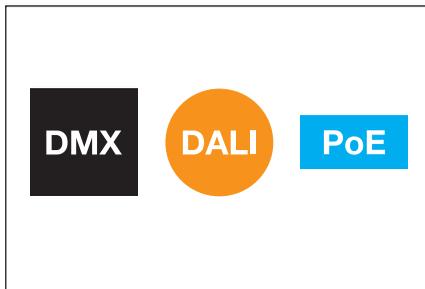
Mid-power LEDs allow heat to be fully dissipated without the need for additional heat sinks.



100% SERVICEABLE FROM BELOW

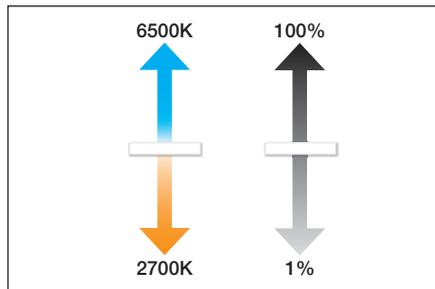
The light engine and driver can be easily changed from below ceiling – and they are simple to install.

TUNABLE WHITE FEATURES



MULTIPLE CONTROL ARCHITECTURES

Qualified DMX, DALI (open and proprietary), or PoE (Power over Ethernet).



TUNABLE WHITE

Any CCT between 2700K and 6500K with excellent CRI and R9 values; dimming from 100% to 1%.

PHOTOMETRY – 4' Luminaire

HPW-LED-FR-V

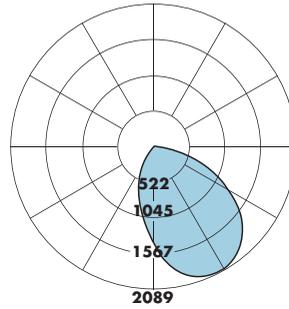
Very High Output

Total luminaire output: 3906 lumens (977 lumens/foot)

Peak Candela Value: 2083@ 25°

CCT: 3500K

Source Report: ITL85176 (Family Correlation)



CANDLEPOWER SUMMARY						
	0.0	67.5	45	22.5	90	Flux
0	1416	1416	1416	1416	1416	
5	1620	1558	1410	1267	1208	135
15	1962	1801	1355	966	824	389
25	2083	1887	1247	675	489	587
35	2043	1819	1088	409	222	696
45	1847	1622	891	190	41	704
55	1504	1320	670	42	19	625
65	992	939	444	21	9	462
75	465	487	231	10	4	251
85	71	89	58	3	2	58
90	0	0	0	0	0	0

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire	
B*	V
2010	3906

Light Output, 3500K, 80 CRI (Lumens Per Foot)	
B*	V
503	977

Power, 3500K, 80 CRI (Watts Per Foot)	
B*	V
5.1	10.2

Efficacy, 3500K, 80 CRI (Lumens Per Watt)	
B*	V
99	96

B - Boosted Standard Output, V - Very High Output

* Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.

** Based on ITL report: 85170

Lumen Adjustment Factors - 80 CRI	
2700K	0.968
3000K	0.985
3500K	1.000
4000K	1.032
6500K	1.032

Lumen Adjustment Factors - 90 CRI	
2700K	0.731
3000K	0.746
3500K	0.760
4000K	0.789
6500K	0.789

Apply a lumen adjustment factor to calculate lumens for the desired CCT and CRI.

SAMPLE LUMEN ADJUSTMENT CALCULATION

Boosted Standard Output (B), 4000K, 90 CRI

Lumen Adjustment Factor = 0.789

*Total Light Output =
2010 lm x 0.789 = 1586 lm*

*Total Light Output per Foot =
503 lm/ft x 0.789 = 397 lm/ft*

watts/foot = 4.6 W/ft

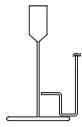
$$Efficacy = \frac{397 \frac{lm}{ft}}{4.6 \frac{W}{ft}} = 86 \text{ lm/W}$$

A brand of **legrand**

CEILING SYSTEM INFORMATION



9/16" T-Bar

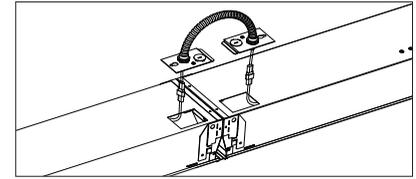
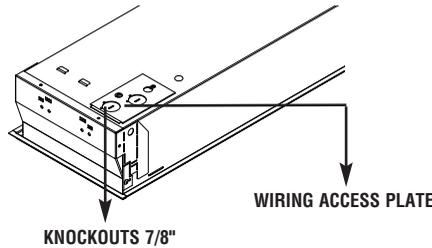


15/16" T-Bar



Screw Slot T-Bar

WIRING ACCESS DETAIL



QUICK CONNECT HARNESS:

Factory-supplied quick connect harness reduces installed costs.

SPECIFICATIONS

CONSTRUCTION: Fixture assembly constructed using die-formed, 20-gauge, cold-rolled steel housing and ends. Lens and drivers are easily removable from driver below ceiling without the need for tools. The compartment is also accessible from below ceiling by removing the reflector cover. Seismic brackets are integrated into the fixture assembly.

REFLECTORS: Reflector is die-formed 25-gauge Alanod 8516GP semi-specular aluminum with 94% high reflectance finish.

OPTICAL SYSTEM: Luminaires are standard with frosted lenses. All lenses are UV-stabilized and impact resistant virgin acrylic. Frosted lenses are 0.120" thick.

LIGHT OUTPUT: Two lumen packages available, Boosted Standard (**B**) and Very High (**V**). A separate chart summarizes lumen distribution and wattage. Light engines are replaceable.

LUMEN MAINTENANCE: 90% of initial light output (L90) at 100,000+ hours; 70% of initial light output (L70) at 200,000+ hours.

TUNABLE WHITE DRIVER: Replaceable LED driver. Driver is fully accessible from below ceiling. 120/277V. Power factor ≥0.90. Total Harmonic Distortion (THD): <20%. Dimming Range: 100 - 1%. Expected driver life-time: 100,000 hours.

LUTRON DRIVER OPTIONS: LUTDTW (1% T-Series 2-Channel Digital Tunable White (PSQ Series)).

ELECTRICAL:

Emergency Option DMX: Battery backup only.

Emergency Option DALI: Battery backup, emergency-to-generator/ inverter wiring.

Emergency Option LUTRON: Battery backup, emergency-to-generator/ inverter wiring.

Emergency Option PoE: Contact factory.

Battery Backup: Factory-choice low-profile backup battery available. Battery backup delivers 1953 lumens. Half of a 4' section (across) will be illuminated in emergency mode. Backup battery will operate 6500K in emergency.

MOUNTING: Standard flange design works with most lay-in ceiling types. Integral pry out tabs secure luminaire to ceiling grid. Support to structure locations on each corner. Consult local code for appropriate support to structure recommendations. Optional drywall kit available.

DMX INTERCONNECTION CABLES: Luminaires are prewired with plug-and-play interconnection cables to support easy plug-together joining of fixture runs. If a non-FineTune DMX system has been specified, a DMX to RJ45 converter is provided.

FINISH: Housing assembly painted with Signal White powder coat finish.

FEED: 18-gauge wire standard. Quick connect harnesses provided for row configurations. DMX and power feed at same location (standard). DMX feeds cannot be cut or spliced. DMX feeds should be ordered based on fixed lengths.

LENGTHS / PRE-QUALIFIED CONTROLS BY OTHERS: 2', 4', and 8' sections can be combined to make longer runs.

LABELS: Fixtures and electrical components are ETL listed conforming to UL1598 in the USA, and Canada and ETL listed certified to CAN/CSA C22.2 No. 250.0. In accordance with NEC code 410.130 (G) this luminaire contains an internal driver disconnect. IC-Rated. Damp location. Finelite products use electronic components that are RoHS compliant, and the mechanical components of the luminaire have been verified to not knowingly contain any restricted substances listed per RoHS Directive 2015/863. Finelite makes the specification process easy when putting healthier products on your projects. Simply add – **RLA** (Red List Approved) or – **RLD** (Red List Declared) to your part number.

WEIGHT: 4' - 18 lbs, 8' - 30 lbs.

WARRANTY: 10-year performance-based warranty on all standard components. Qualified drivers by others and optional accessories such as emergency battery packs are covered by their individual manufacturer warranties.

TUNABLE WHITE PRE-QUALIFIED DRIVERS BY OTHERS

DMX	DALI	POE set up	LUTRON
EldoLED	EldoLED	Contact Factory	LUTRON

NOTE: For a complete list of system option/limitations [please click here](#).