

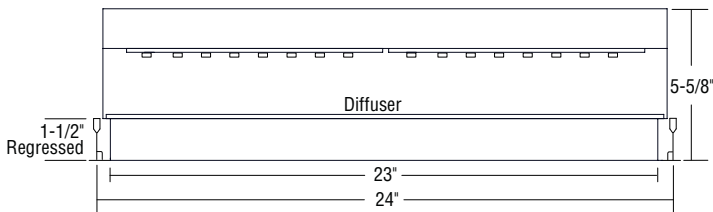
FINELITE

HPT 2x2



DESCRIPTION

HPT is a highly efficient recessed luminaire providing exceptional performance and visual comfort. The HPT creates a seamless elegant transition between the ceiling and luminaire providing an ideal solution for uniform lighting and a distinguished look.



DIMENSIONS

Date

Project

Type

Comments

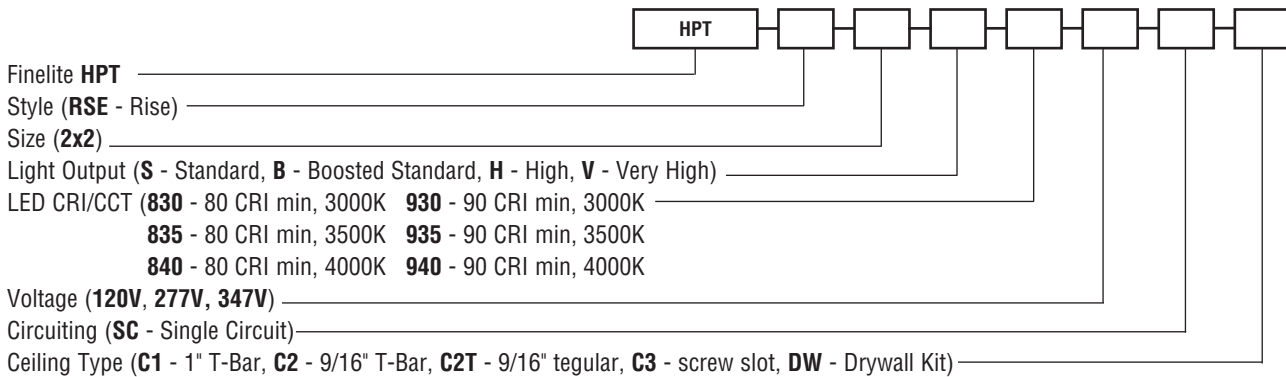


100 % SERVICEABLE FROM BELOW

The replaceable light engine and driver are easy to access from below the ceiling.

ORDERING GUIDE

Sample Number: HPT - RSE - 2x2 - S - 835 - 120V - SC - C1

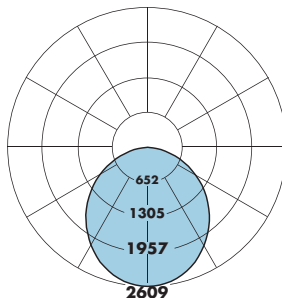


FINELITE

HPT 2x2

PHOTOMETRY

Very High Output - 2x2
 Efficacy: 118 lumens per watt
 Total Luminaire Output: 6671 Lumens
 56.6 Watts
 Peak Candela Value: 2609 @ 0°
 CCT: 3500K
 CRI: 80+
 ITL LM79 Report: 89598



CANDLEPOWER SUMMARY						
	0.0	22.5	45	67.5	ACROSS	Flux
0	2609	2609	2609	2609	2609	
5	2592	2591	2592	2593	2593	246
10	2542	2540	2541	2542	2543	
15	2463	2460	2460	2464	2465	694
20	2357	2352	2351	2356	2359	
25	2228	2222	2220	2226	2231	1024
30	2079	2072	2069	2077	2081	
35	1915	1906	1903	1912	1918	1194
40	1738	1728	1725	1735	1741	
45	1552	1522	1538	1548	1556	1192
50	1366	1349	1345	1356	1365	
55	1167	1154	1150	1161	1171	1036
60	975	960	955	966	975	
65	779	765	760	771	778	760
70	582	570	568	578	585	
75	398	387	386	394	400	417
80	233	223	223	229	234	
85	95	89	88	93	94	108
90	0	0	0	0	0	

Total Light Output, 3500K, 80 CRI (Lumens)			
S*	B*	H*	V**
3521	4527	5122	6671

Power, 3500K, 80CRI (Watts)			
S*	B*	H*	V**
27.7	36.1	41.7	56.6

Efficacy, 3500K, 80 CRI (Lumens Per Watt)			
S*	B*	H*	V**
127	125	123	118

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

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

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

* Family Correlation: 3500K Very High Output (V) test - 120V.

** Correlation based on ITL report: 89598

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output

SAMPLE LUMEN ADJUSTMENT CALCULATION

High Output (H), 4000K, 90 CRI

Lumen Adjustment Factor = 0.789

$$\text{Total Light Output} = 5122 \text{ lm} \times 0.789 = 4041 \text{ lm}$$

$$\text{Total Light Output per Foot} = 1281 \text{ lm/ft} \times 0.789 = 1011 \text{ lm/ft}$$

$$\text{watts/foot} = 10.4 \text{ W/ft}$$

$$\text{Efficacy} = \frac{1011 \frac{\text{lm}}{\text{ft}}}{10.4 \frac{\text{W}}{\text{ft}}} = 97 \text{ lm/W}$$

SPECIFICATIONS

CONSTRUCTION: Die-formed 20-gauge cold-rolled steel housing. All components are hard-tooled to tolerances of +/- 0.010". Lift and shift lens provides easy access to light arrays and driver compartment for servicing from below. Seismic brackets are integrated into the luminaire assembly. Additional wire entrances are positioned on the ends of the housing to allow easy wiring access for the installer.

OPTICAL SYSTEM: Diffusers is UV-stabilized and impact-resistant frosted virgin acrylic, 0.08" thick.

LIGHT OUTPUT: Four lumen packages available. Standard (S), Boosted Standard (B), High (H), 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.

DRIVER: Replaceable 120V/277V and 347V Constant Current Reduction dimming driver standard. Can be wired dimming or non-dimming. 0-10V dimming controls with a range of 10%- 100%. Dimming to 1% available; consult factory. Driver is fully accessible

from below the ceiling. Power Factor: ≥ 0.9 . Total Harmonic Distortion (THD): $< 20\%$.

LUTRON DRIVER OPTIONS: Lut3W-3-wire, LutES-EcoSystem, Lut2W-2-wire.

ELECTRICAL: Optional emergency to generator/inverter wiring, internal generator transfer switch, nightlight wiring, step-dimming driver, backup battery. Chicago Plenum option. Factory-choice low-profile backup battery available. Bodine BSL722 battery pack also available. Backup batteries deliver 1600 lumens. One half of the 2x2 will be illuminated in emergency mode.

MOUNTING: Standard flange design works with most lay-in ceiling types. Integral pry-out tabs secure the luminaire to the ceiling grid from above. The location of the pryout tabs allows two luminaires to be mounted adjacent to each other sharing the same T-bar. Tie-in locations for tie-wire on all corners. Consult local code for appropriate tie-wire recommendations. Drywall Kit available.

FINISH: Housing painted with 96 LG high reflectance matte white powder coat paint. Optional adder: Anti-microbial paint. Contact factory.

FEED: Optional whips (with flex connectors) supplied in a maximum of 11' lengths. Lead Wires.

LABELS: Luminaire and electrical components are ETL-listed conforming to UL 916, 1598, 8750, 924 in the U.S.A. and CAN/CSA C22.2 No. 205, 250, and 141 in Canada. In accordance with NEC Code 410.73 (G), this luminaire contains an internal driver disconnect. Damp Location. IC-rated. 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 2002/95/EC.

WEIGHT: 23.5 lbs

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