



FINELITE

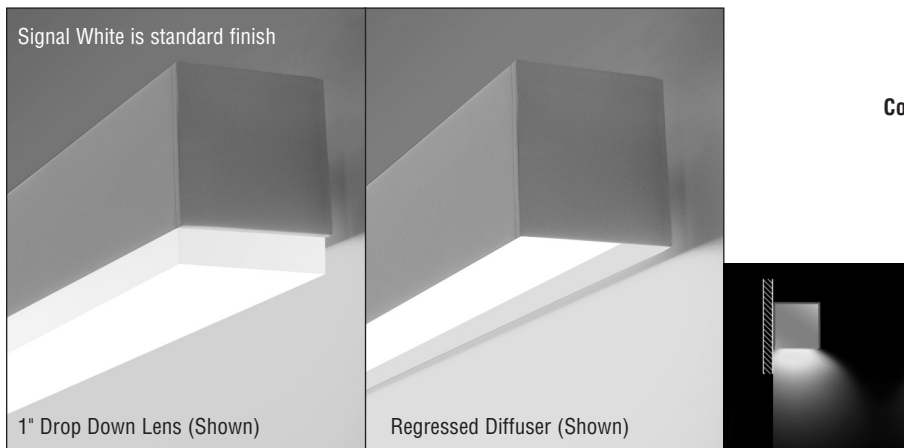
Tunable White
High Performance 4" (HP-4) - Wall Mount Direct

Date

Project

Type

Comments



DESCRIPTION

High Performance 4" aperture Indirect/Direct (HP-4 WM D) is a patented, linear LED luminaire that offers many aesthetic options including Top Glow™ or Flush for uplight and Bottom Glow™, 1" Drop Down Lens, Flush, or Regressed diffuser for downlight. HP-4 WM D delivers excellent performance using an advanced optical design and mid-power LEDs to achieve 90% of initial light output at 100,000+ hours.

ORDERING GUIDE - Sample Number: HP-4 WM D - 32' - V - 8TW - F - 120V - MB - FE - SC

Finelite HP-4 WM D (see page 2 for cross sections)	_____	<input type="checkbox"/>
HP-4 WM D RG (see page 2 for cross sections)	_____	<input type="checkbox"/>
Length / FineTune Only (Minimum 2' , increments accurate to 1/16th (± 1/32"), standard)	_____	<input type="checkbox"/>
Length / Pre-qualified Controls by Others (4' , 8' , 12' multiples standard)	_____	<input type="checkbox"/>
Light Output (B - Boosted Standard Output, V - Very High Output)	_____	<input type="checkbox"/>
LED CRI / CCT (8TW - 80 CRI min, Tunable White; 9TW - 90 CRI min, Tunable White. See below for Tunable White controls options)	_____	<input type="checkbox"/>
Downlight Option (F ¹ - Flush (standard), BG ² - Bottom Glow, DL ³ - 1" Drop Down Lens, RG-D ² - Flat Diffuser with 1" Regress)	_____	<input type="checkbox"/>
Voltage (120V , 277V)	_____	<input type="checkbox"/>
Mounting (MB - Mounting Bracket)	_____	<input type="checkbox"/>
Endcap (FE - Flat Endcap, DE ³ - 1" Drop Down Lens Endcap)	_____	<input type="checkbox"/>
Circuiting ⁴ (SC - Single Circuit)	_____	<input type="checkbox"/>

¹ Available for HP-4 Wall Mount Direct (HP-4 WM D) only

² Available for HP-4 Wall Mount Direct Regressed (HP-4 WM D RG) only

³ Available for 1" Drop Down Lens (DL) downlight option only

⁴ Contact factory for switching options

TUNABLE WHITE CONTROLS OPTIONS: SELECT ONE


 FineTune controller with FineTune DMX Driver

OR

 Controls by others with pre-qualified DMX driver

 Controls by others with pre-qualified DALI driver

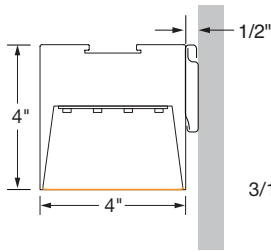
 Controls by others with pre-qualified PoE setup

 Controls by Lutron with pre-qualified Lutron driver

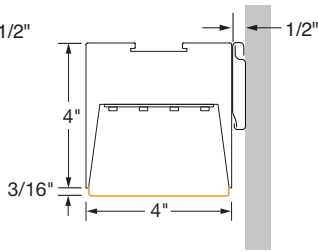
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Tunable White High Performance 4" (HP-4) - Wall Mount Direct

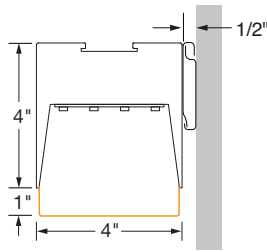
LUMINAIRE FEATURES



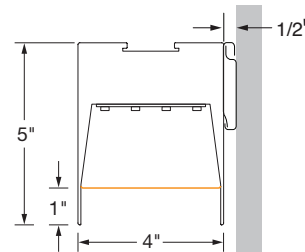
Flush Downlight Diffuser
(Standard)



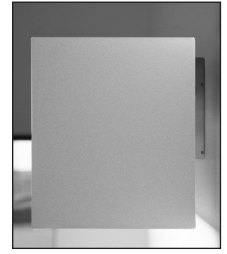
Bottom Glow Diffuser



1" Drop Down Lens



Flat Diffuser with 1" Regress (RG)

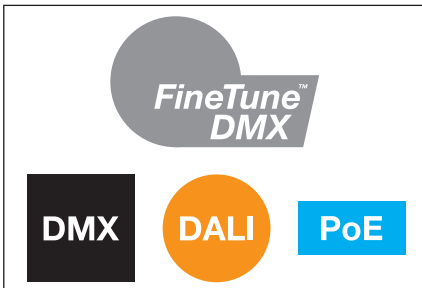


MOUNTING BRACKET (MB)
Luminaire hangs securely from mounting brackets fastened directly to wall.

AESTHETIC SOLUTIONS

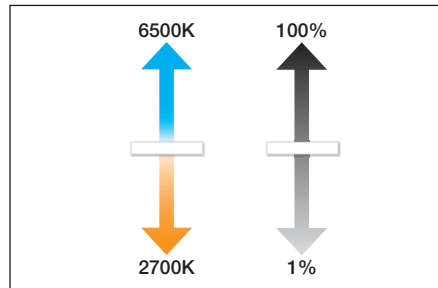
Offering multiple aesthetic choices with Flush, Bottom Glow, 1" Drop Down Lens, and Regressed diffusers.

TUNABLE WHITE FEATURES



MULTIPLE CONTROL ARCHITECTURES

Finelite's FineTune™ DMX, 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%.



FINETUNE SYSTEM

Award-winning control system, which includes intuitive wall mounted controller, power control center, driver, and mobile app to easily tailor lighting to match user preference.

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Tunable White High Performance 4" (HP-4) - Wall Mount Direct

PHOTOMETRY

DOWNLIGHT: FLUSH DIFFUSER

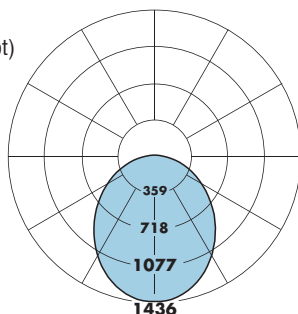
Very High Output - 4' Luminaire

Total luminaire output: 3705 Lumens (926 lumens/foot)

Peak Candela Value: 1436 @ 0°

CCT: 3500K

ITL LM79 Report 85124



CANDLEPOWER SUMMARY						
	0.0	22.5	45	67.5	90	Flux
0	1436	1436	1436	1436	1436	
5	1428	1428	1427	1427	1427	135
15	1363	1353	1358	1357	1350	382
25	1236	1221	1226	1219	1212	563
35	1060	1047	1048	1037	1030	653
45	859	849	848	836	831	652
55	647	639	637	628	623	568
65	434	432	431	425	424	425
75	236	236	237	235	236	250
85	67	68	69	70	69	77
90	0	0	0	0	0	

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire	
B*	V**
1907	3705

Light Output, 3500K, 80 CRI (Lumens Per Foot)	
B*	V**
477	926

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

Efficacy, 3500K, 80 CRI (Lumens Per Watt)	
B*	V**
94	91

* Family Correlation based on 4' luminaire 3500K 80 CRI Very High Output (V) test - 120V.

** Correlation based on ITL report: 85124

B - Boosted Standard Output, V - Very High Output

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

$$\text{Lumen Adjustment Factor} = 0.789$$

$$\begin{aligned} \text{Total Light Output} &= \\ 1907 \text{ lm} \times 0.789 &= 1505 \text{ lm} \end{aligned}$$

$$\begin{aligned} \text{Total Light Output per Foot} &= \\ 477 \text{ lm/ft} \times 0.789 &= 376 \text{ lm/ft} \end{aligned}$$

$$\text{watts/foot} = 5.1 \text{ W/ft}$$

$$\text{Efficacy} = \frac{376 \frac{\text{lm}}{\text{ft}}}{5.1 \frac{\text{W}}{\text{ft}}} = 74 \text{ lm/W}$$

FINELITE

Tunable White High Performance 4" (HP-4) - Wall Mount Direct

PHOTOMETRY

DOWNLIGHT: 1" DROP DOWN LENS

Very High Output - 4' Luminaire

Efficacy: 101 Lumens Per Watt

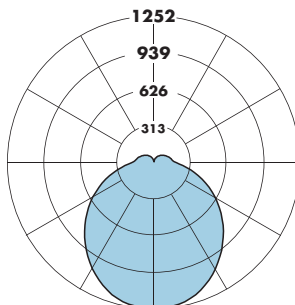
Total Luminaire Output: 4097 Lumens (1024 lumens/foot)

40.6 Watts (10.1 watts/foot)

CCT: 3500K

CRI: 80

ITL LM79 Report 90629



CANDELA DISTRIBUTION						
	0.0	22.5	45.0	67.5	90.0	Flux
0	1251	1251	1251	1251	1251	
5	1243	1244	1247	1249	1250	119
15	1187	1188	1204	1210	1210	338
25	1077	1082	1106	1116	1117	507
35	924	940	973	986	987	603
45	752	779	818	836	841	623
55	569	604	651	677	683	572
65	382	425	477	510	520	462
75	199	249	307	345	358	312
85	50	104	165	206	219	170
90	10	61	120	160	173	
95	8	57	111	147	159	109
105	6	48	96	127	138	91
115	5	39	82	109	118	72
125	4	30	66	89	97	53
135	3	21	50	69	76	35
145	2	12	32	50	55	19
155	1	5	17	30	34	8
165	1	1	6	11	15	2
175	0	0	0	0	0	0
180	0	0	0	0	0	0

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire	
B*	V**
2108	4097

Light Output, 3500K, 80 CRI (Lumens Per Foot)	
B*	V**
527	1024

Power, 3500K (Watts Per Foot)	
B*	V**
5.0	10.1

Efficacy, 3500K, 80 CRI (Lumens Per Watt)	
B*	V**
104	101

B - Boosted Standard Output, V - Very High Output

* Family Correlation based on 4' luminaire 3500K 80 CRI Very High Output (V) test - 120V.

** Correlation based on ITL report: 90629

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

$$\text{Lumen Adjustment Factor} = 0.789$$

$$\begin{aligned} \text{Total Light Output} &= \\ 2108 \text{ lm} \times 0.789 &= 1663 \text{ lm} \end{aligned}$$

$$\begin{aligned} \text{Total Light Output per Foot} &= \\ 527 \text{ lm/ft} \times 0.789 &= 416 \text{ lm/ft} \end{aligned}$$

$$\text{watts/foot} = 5.0 \text{ W/ft}$$

$$\text{Efficacy} = \frac{416 \frac{\text{lm}}{\text{ft}}}{5.0 \frac{\text{W}}{\text{ft}}} = 83 \text{ lm/W}$$

FINELITE

Tunable White High Performance 4" (HP-4) - Wall Mount Direct

PHOTOMETRY

DOWNLIGHT: REGRESSED DIFFUSER

Very High Output - 4' Luminaire

Efficacy (Lumen per watt): 85

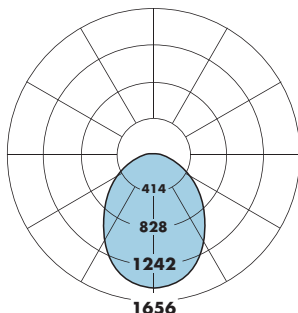
Total luminaire output: 3477 Lumens (869 lumens/foot)

40.8 Watts (10.2 watts/foot)

Peak Candela Value: 1436 @ 0°

CCT: 3500K

ITL LM79 Report 90353



CANDELA DISTRIBUTION						
	0.0	22.5	45.0	67.5	90.0	Flux
0	1507	1507	1507	1507	1507	
5	1497	1496	1496	1497	1498	142
15	1429	1419	1418	1410	1400	398
25	1293	1276	1259	1237	1227	579
35	1109	1087	1053	1020	1003	659
45	902	871	824	780	764	638
55	682	645	588	541	525	532
65	457	418	358	313	299	364
75	244	203	151	120	115	178
85	60	36	33	32	31	43
90	0	0	0	0	0	

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire	
B*	V**
1789	3477

Light Output, 3500K, 80 CRI (Lumens Per Foot)	
B*	V**
447	869

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

Efficacy, 3500K, 80 CRI (Lumens Per Watt)	
B*	V**
88	85

* Family Correlation based on 4' luminaire 3500K 80 CRI Very High Output (V) test - 120V.

** Correlation based on ITL report: 85124

B - Boosted Standard Output, V - Very High Output

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

$$\text{Lumen Adjustment Factor} = 0.789$$

$$\text{Total Light Output} = 1789 \text{ lm} \times 0.789 = 1412 \text{ lm}$$

$$\text{Total Light Output per Foot} = 447 \text{ lm/ft} \times 0.789 = 353 \text{ lm/ft}$$

$$\text{watts/foot} = 5.1 \text{ W/ft}$$

$$\text{Efficacy} = \frac{353 \frac{\text{lm}}{\text{ft}}}{5.1 \frac{\text{W}}{\text{ft}}} = 69 \text{ lm/W}$$

FINELITE

Tunable White High Performance 4" (HP-4) - Wall Mount Direct

SPECIFICATIONS

CONSTRUCTION: Precision-cut 6061-T6 extruded aluminum body. Internal joiner system, plug-together wiring, standard.

ENDCAPS: Flat diecast aluminum endcaps add 0.25" to each end of luminaire. Drop Down Lens Endcap (DE) includes diffuse element to continue luminance of drop lens. It is made of the same material as the drop diffuser.

MITERED CORNER / FINETUNE ONLY: Illuminated 90° corners in a single plane, with Flush downlight diffuser, standard. Custom angles are available (90° minimum on inside corners), contact factory.

REFLECTORS: Die-formed 20-gauge cold-rolled steel reflectors are finished in 96 LG high reflectance matte white powder coat paint.

DOWNLIGHT OPTION: 12' maximum diffuser length. Flush frost white snap-in diffuser standard, 73% transmissive, 99% diffusion. Internal secondary diffusers at corners ensure visually seamless, uniform, continuous illumination. Available with Flush, Bottom Glow, 1" Drop Down Lens, and Regressed downlight diffusers. 1" Drop Down Lens made of highly efficient acrylic. Available with a solid endcap or an endcap with a diffuse filler to continue the luminous aesthetic.

LIGHT OUTPUT: Two lumen packages available, Boosted Standard Output (**B**) and Very High Output (**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 accessible from below the ceiling. 120V/277V. Power factor: ≥0.90. Total Harmonic Distortion (THD): <20%. Dimming Range: 100 - 1%. Expected driver life-time: 100,000 hours.

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. 8' minimum fixture length for low profile battery pack. Backup batteries deliver 1300 lumens. Half of a 4' section will be illuminated in emergency mode. Backup battery will operate 6500K in emergency.

MOUNTING: Fixture hangs securely from mounting brackets fastened directly to the wall for easy installation. Fixture stands 1-1/2" off the wall. The mounting bracket is concealed behind the fixture.

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.

FINISHES: Finelite Signal White powder coat standard. Optional Adders: 185 RAL colors.

FEED: Standard with one 18-gauge single-circuit feed. 14-gauge feed used when fixture current exceeds 5 amps. DMX and power feed at same location (standard). Optional 6' flex conduit whips available for power feed. DMX feeds cannot be cut or spliced. DMX feeds should be ordered based on fixed lengths.

LENGTHS / FINETUNE ONLY: Any length, 2-foot minimum, in increments down to 1/16th-inch (± 1/32"). 12-foot maximum section length.

LENGTHS / PRE-QUALIFIED CONTROLS BY OTHERS: 4', 8', and 12' sections can be combined to make longers runs.

LABELS: Fixture and electrical components are ETL-listed conforming to UL 1598 in the U.S.A. and CAN/CSA C22.2 No. 250.0 in Canada. In accordance with NEC Code 410.73 (G), this luminaire contains an internal driver disconnect. 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 2011/65/EU.

WEIGHT: 2.8 lb/ft.

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, Crestron	Contact Factory	LUTRON

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

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

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