

HP-4

High Performance 4" Aperture LED Collection

FINELITE
Better Lighting



Project: Square Trade Inc.
Architect: Blitz
Lighting Designer: Blitz

HP-4 Family

Indirect/Direct
Pendant



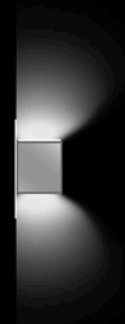
Direct
Pendant



Indirect
Pendant



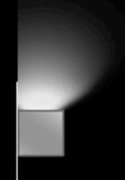
Indirect/Direct
Wall Mount



Direct Wall
Mount



Indirect
Wall Mount



Recessed



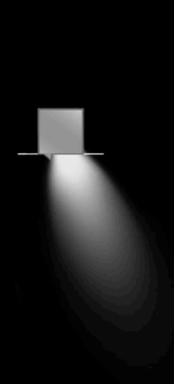
Regressed



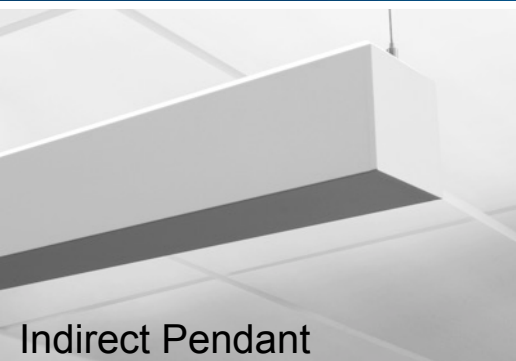
Surface
Mount



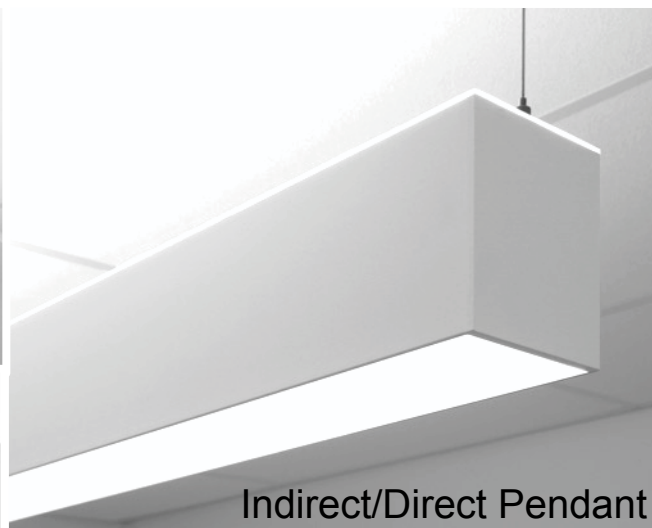
Wall Wash



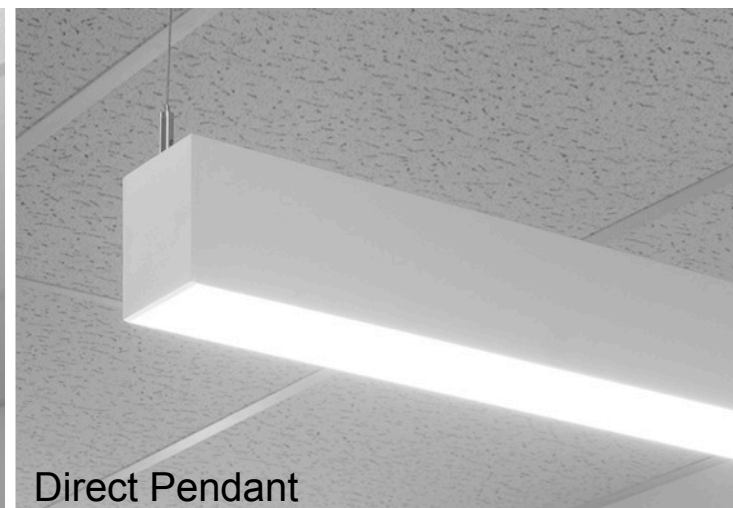
HP-4 Family Collection



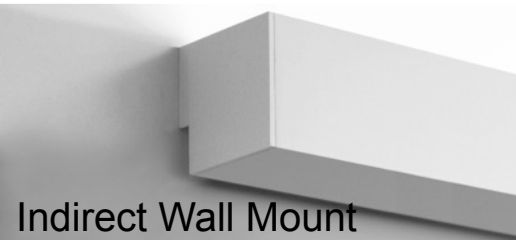
Indirect Pendant



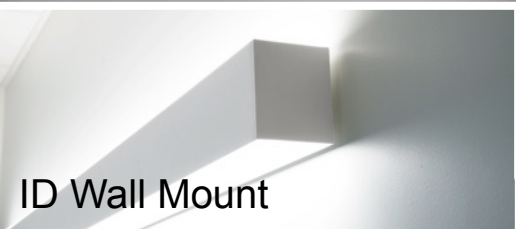
Indirect/Direct Pendant



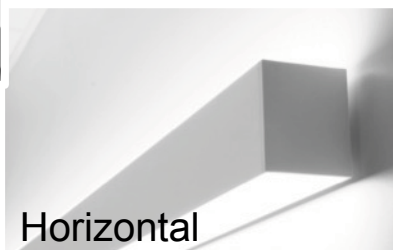
Direct Pendant



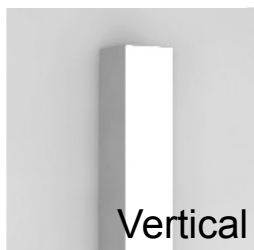
Indirect Wall Mount



ID Wall Mount



Horizontal



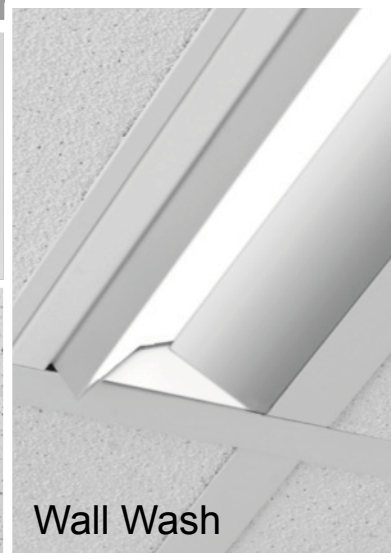
Vertical



Direct Wall Mount



Surface Mount – T-Bar Ceiling

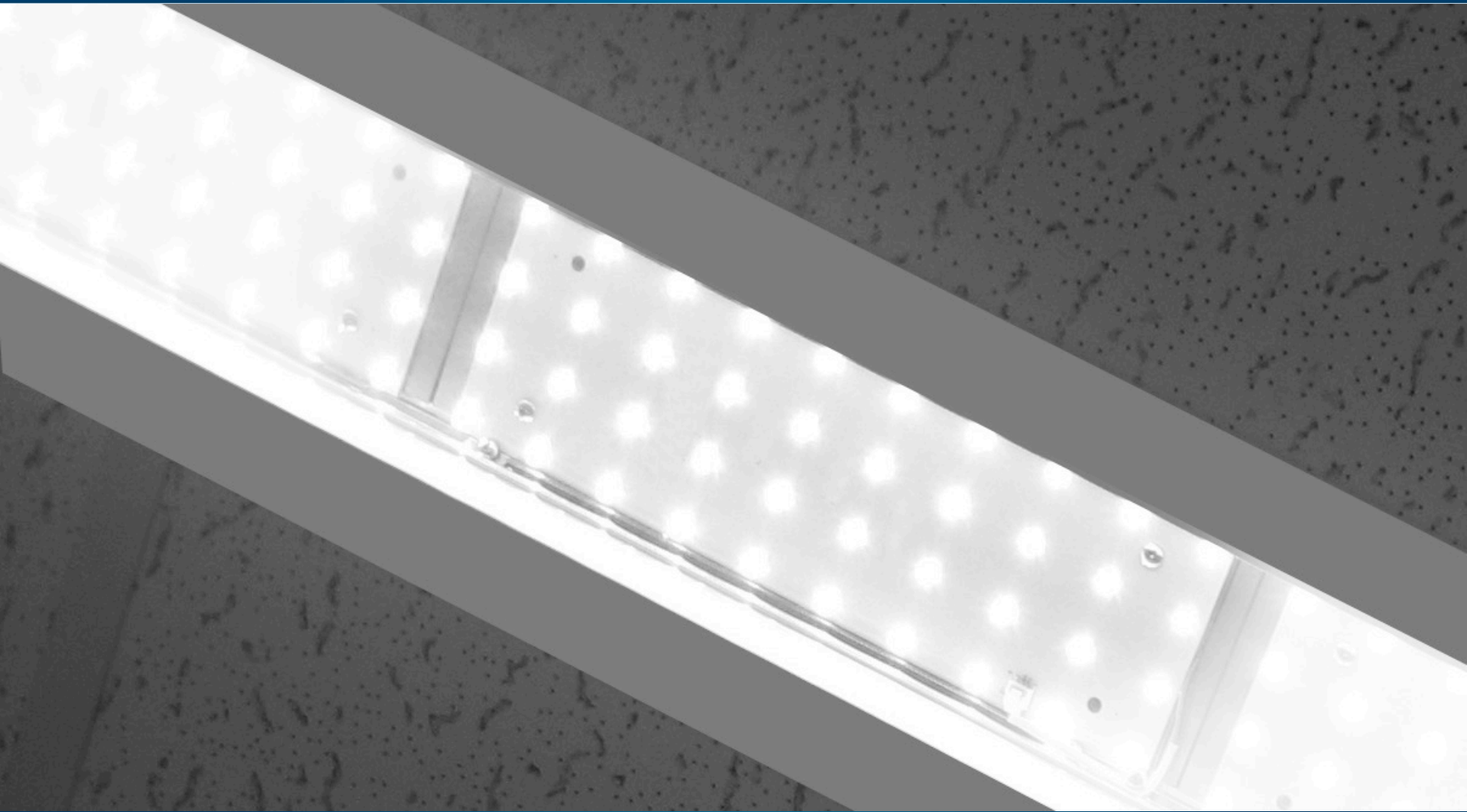


Wall Wash

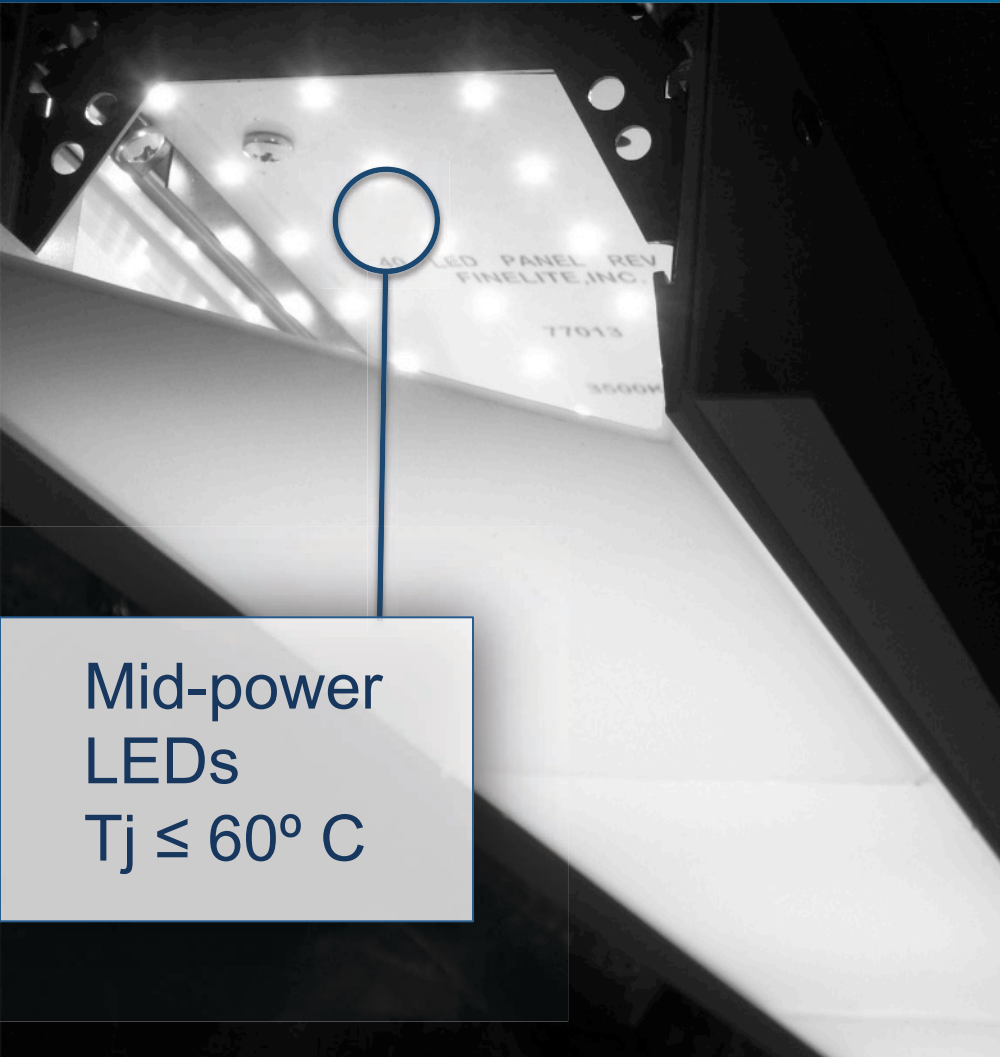


Recessed

HP-4: One of the first dedicated LED fixture



LED Technology

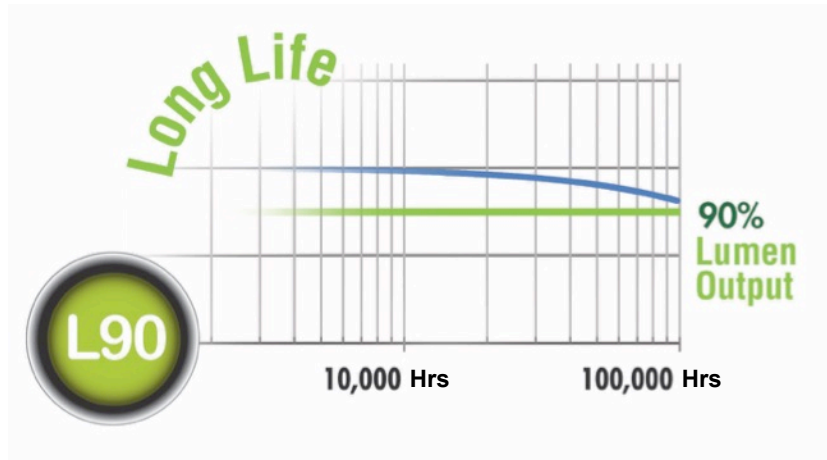


Mid-power
LEDs
 $T_j \leq 60^\circ \text{C}$

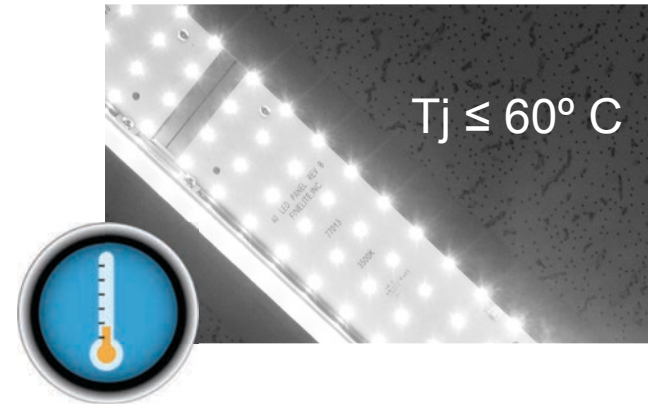
Mid-Powered LED:

- Long Life
- No Maintenance
- Low Energy
- Standard 0-10V dimming (10-100%)

Long Life



- Long Life: Delivers 90% light output to 100,000+ hours
- Delivers 70% light output to 200,000+ hours (per TM21 calculation)



- Thermal Management: Mid-powered LEDs are spaced evenly to ensure maximum heat dissipation and long life

Tailored Lighting



Project: CAS Architects Office
Architect: CAS Architects
Lighting Designer: CAS Architects

- Any length, 2-foot minimum, in increments down to $1/16^{\text{th}}$ ($\pm 1/32''$) -inch
- Specify 90 degree angles in a single plane
- Projects ship in 10 working days

Video

FINELITE
Better Lighting

LED

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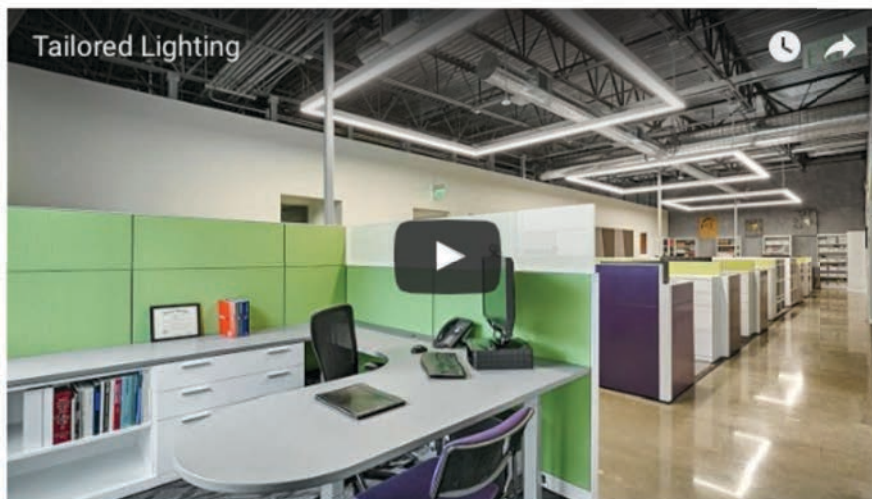
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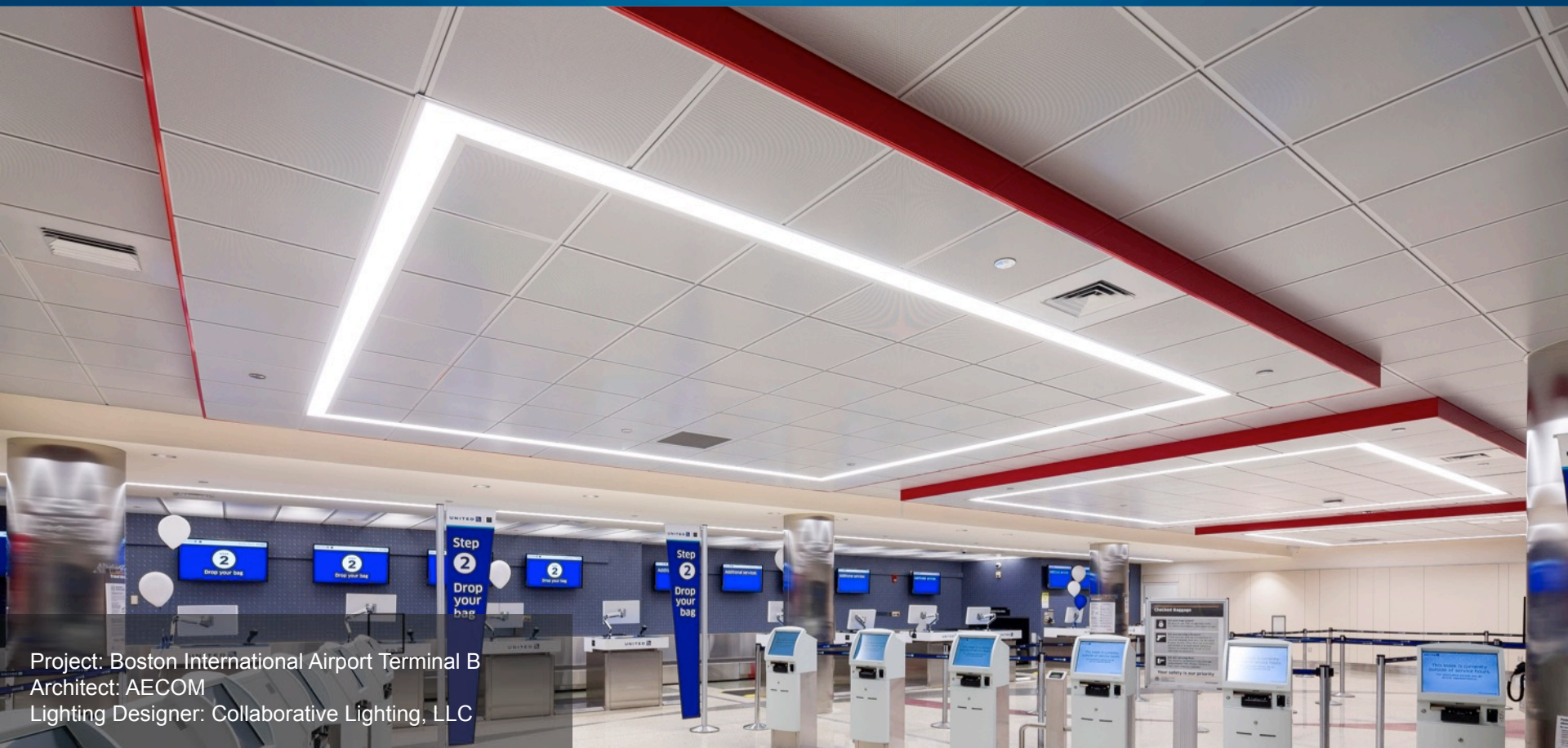
Tailored Lighting

LED technology has changed the way we light spaces. Let us show you better lighting, Tailored Lighting – lighting tailored to your requirements, to your expectations, to your design. With flexible lengths and configurations, Tailored lighting provides greater design freedom than ever before. Some Tailored Lighting options ship in 10 working days! Watch the video then [click here](#) to learn more.



[Click here to watch the video about Tailored Lighting on YouTube.](#)

Tailored Lighting - Lengths



Project: Boston International Airport Terminal B
Architect: AECOM
Lighting Designer: Collaborative Lighting, LLC

- Any Length greater than 2 feet, in increments accurate to $1/16^{\text{th}}$ ($\pm 1/32''$) – inch

Angles



Project: MAC Store SF
Architect: Apex Lighting Solutions and The Dulanski Group
Lighting Designer: Ventresca Design, LLC

- 90-degree mitered corners in a single plane
- Corners available from 60°-180°, contact factory

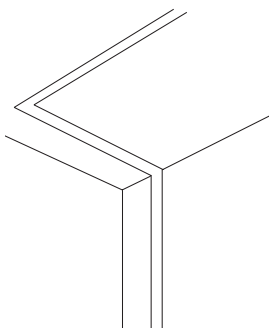
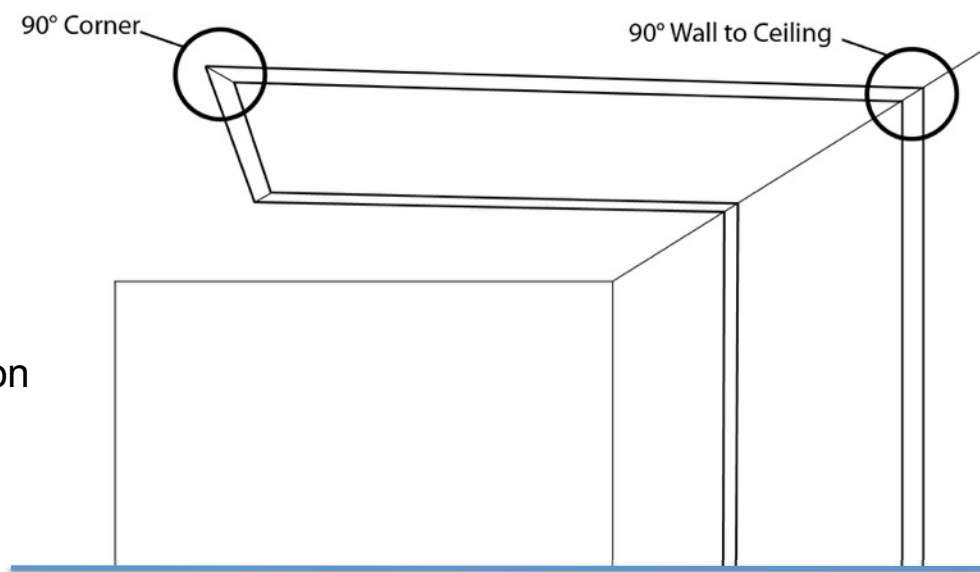
Features

- Continuous Diffusers:
Up to 12' seamless lens
- No Socket Shadows
- Color Temperatures:
3000K, 3500K, and 4000K

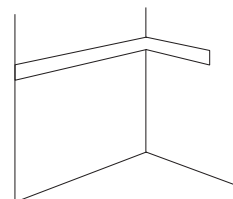


Features

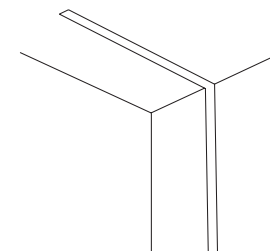
- 90° Corners Standard:
Three 90° corners standard on HP-4 recessed



In Ceiling



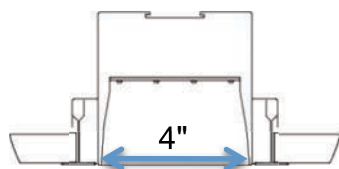
In Wall



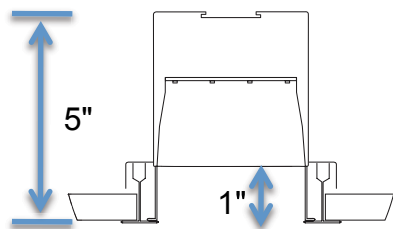
Wall-to Ceiling

Recessed

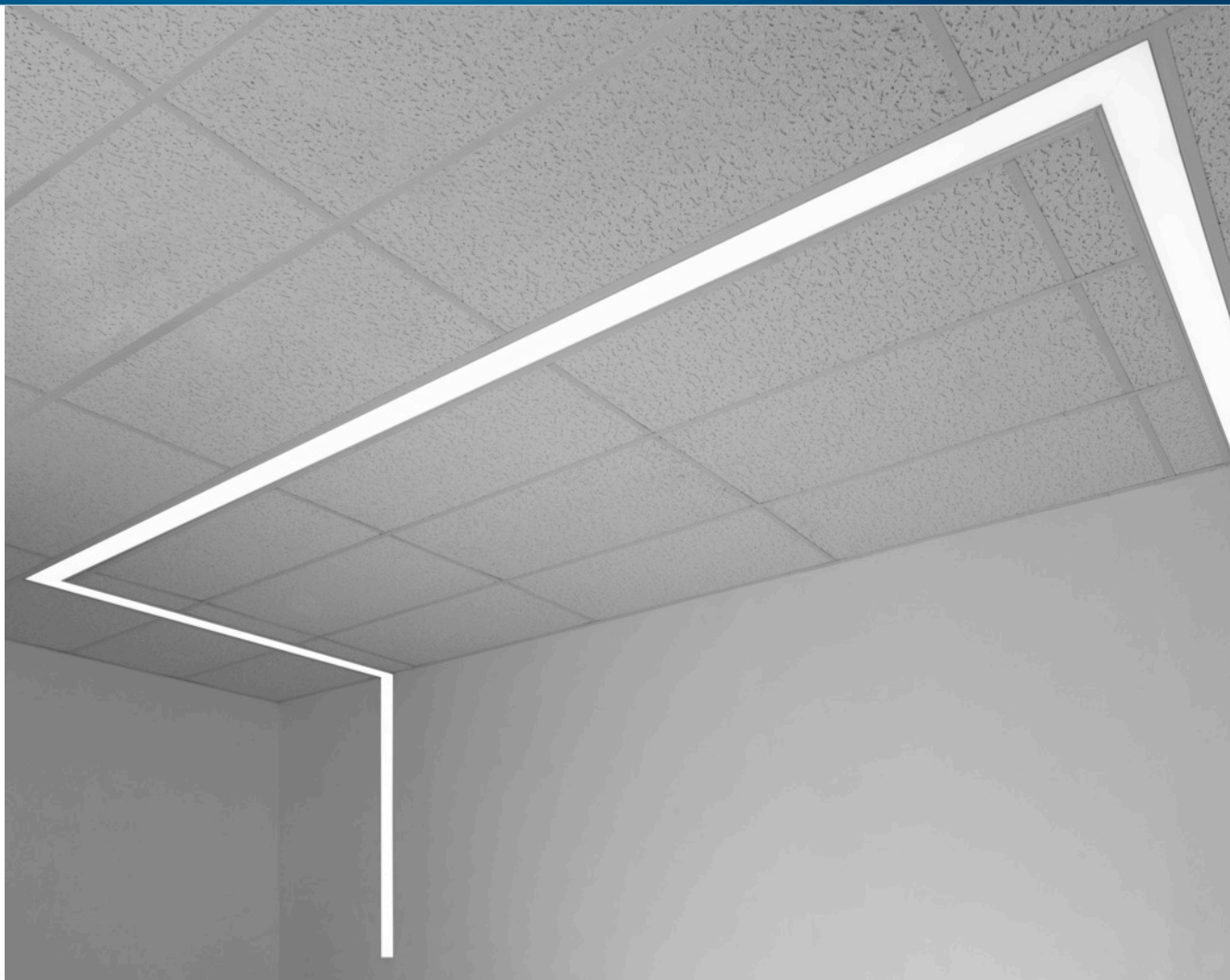
- Illuminated mitered corners with no socket shadows
- Custom configurations for unique wall-to-ceiling applications



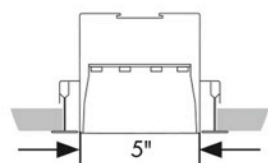
Flush Diffuser



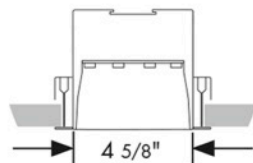
Regressed Diffuser



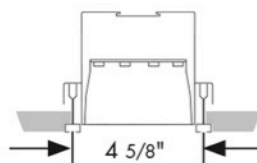
Recessed Mounting Options



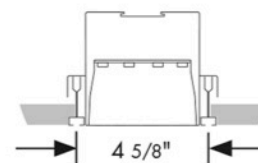
1" T-Bar
(C1)



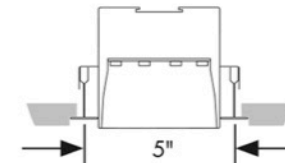
9/16" T-Bar
(C2)



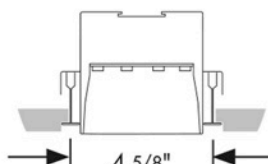
Standard
Screw Slot
(C3)



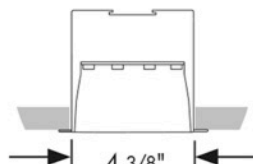
Flush
Screw Slot
(C3F)



1" Tegular
(C1T)



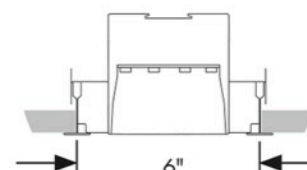
1/2" Tegular
(C2T)



Visible Flange
(VF)



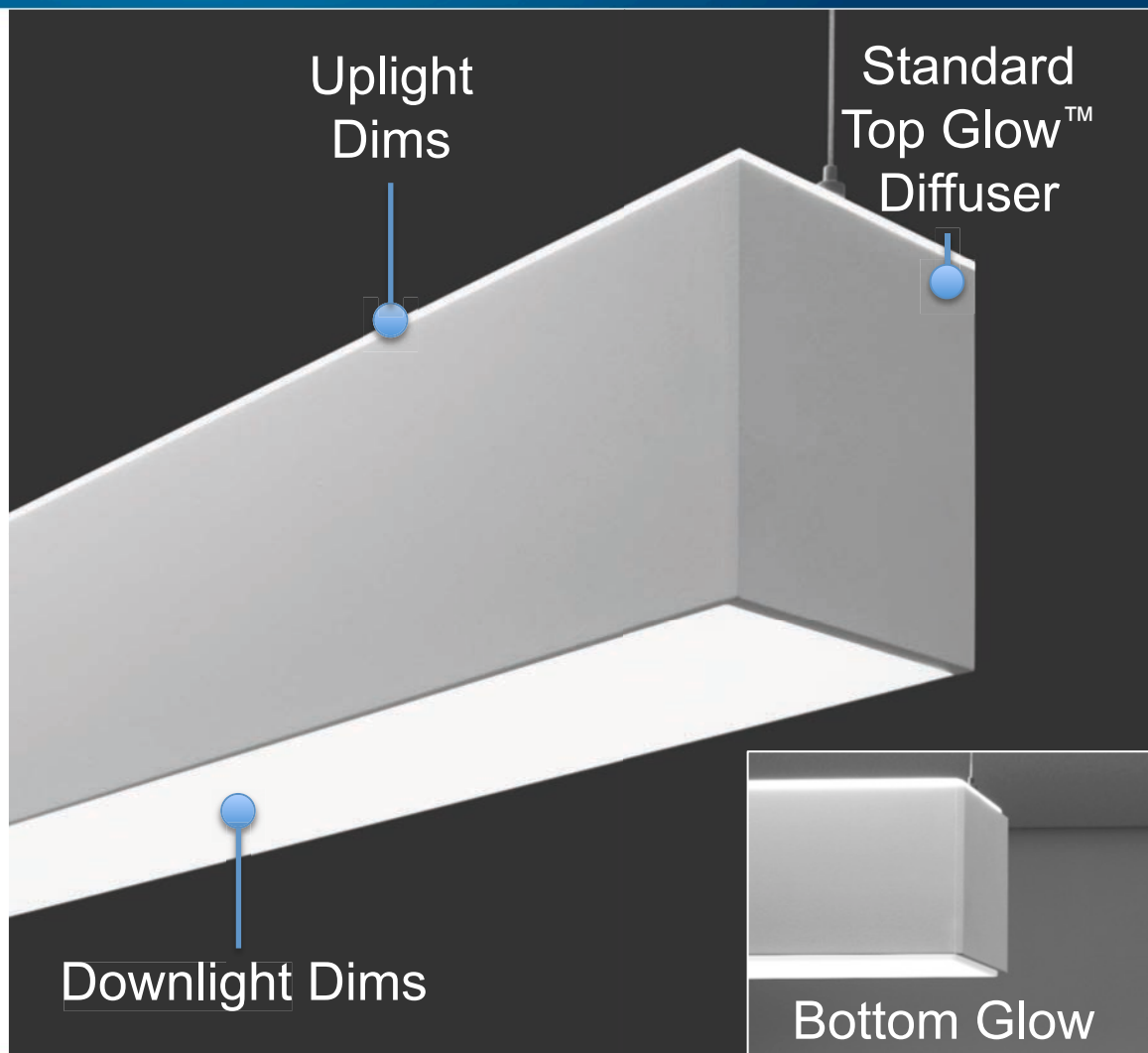
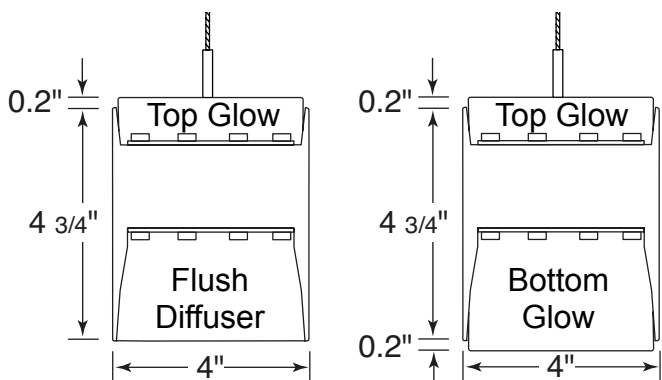
Spackle Flange
(SF)



Tech Zone 6"
(TZ6 - C1, C2, C2T,
C3, C3F)

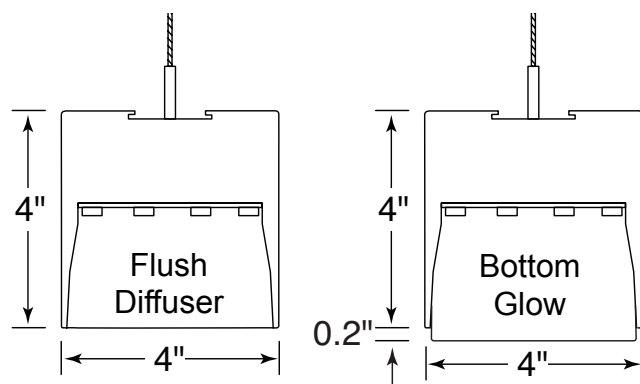
Pendant: Indirect / Direct

- Uplight and downlight SPECIFY:
DIM TOGETHER
DIM SEPARATE
- Top Glow™ diffuser standard.
Optional Bottom Glow™ and flush
diffuser available
- Companion wall mount available



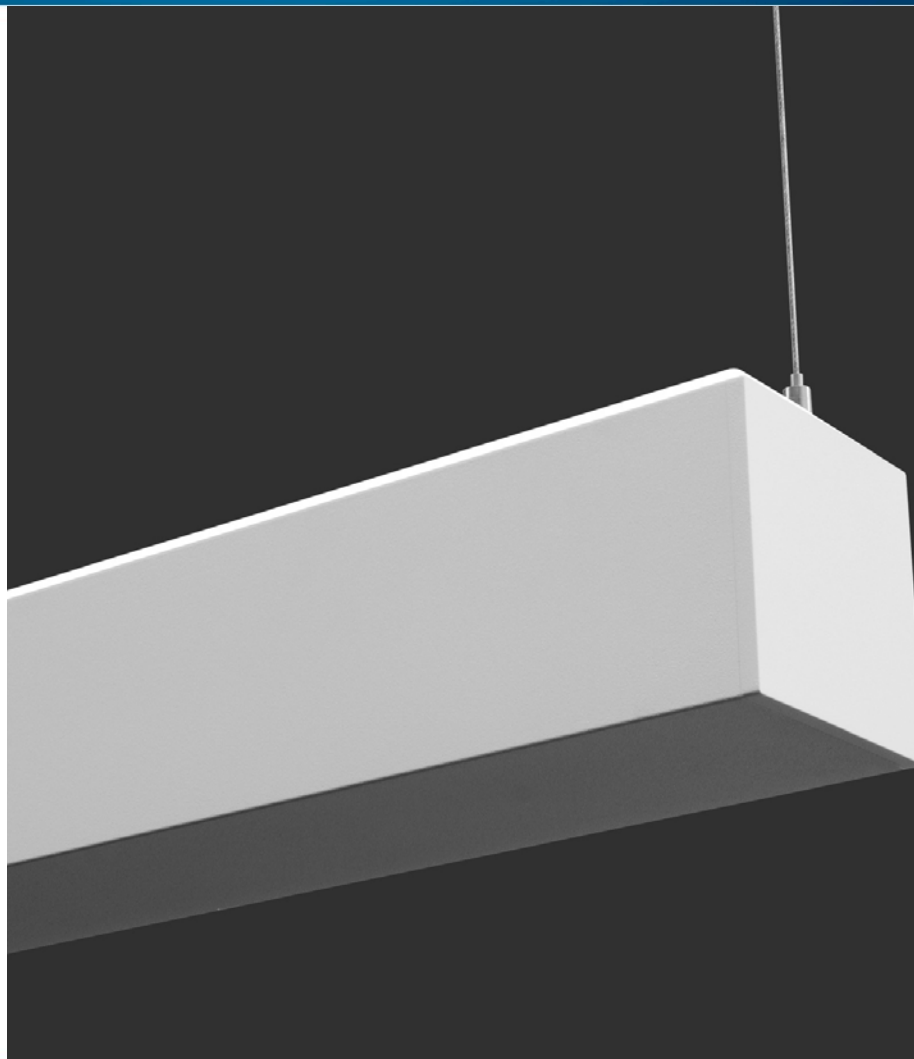
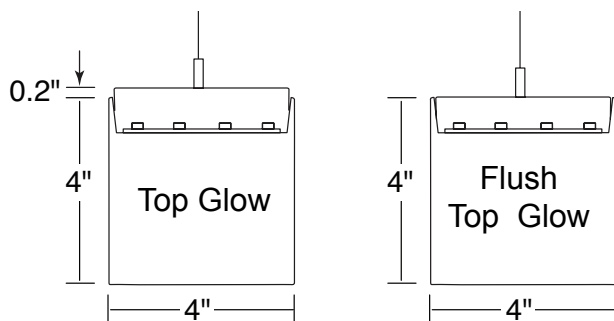
Pendant: Direct

- Standard with flexible mounting
- Bottom Glow™ element optional
- Companion wall mount available



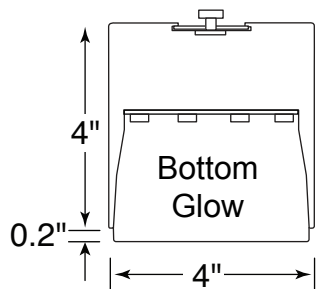
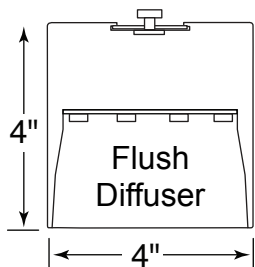
Pendant: Indirect

- Top Glow™ diffuser standard. Optional flush diffuser available
- Standard with flexible mounting
- Companion wall mount available

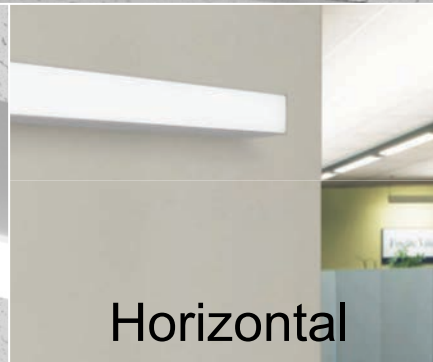


Surface Mount

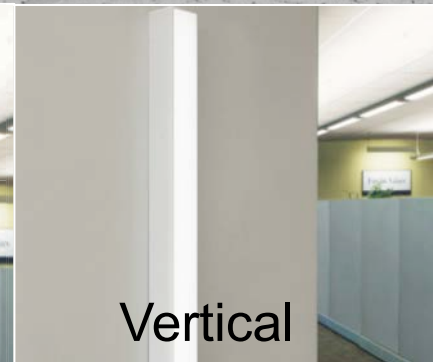
- Bottom Glow™ element optional
- Mounts to wall and ceiling



Bottom Glow



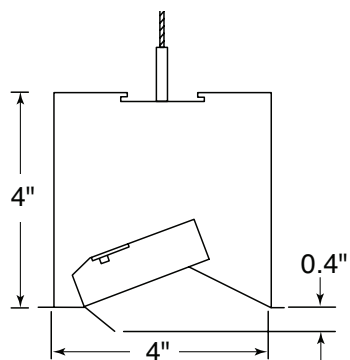
Horizontal



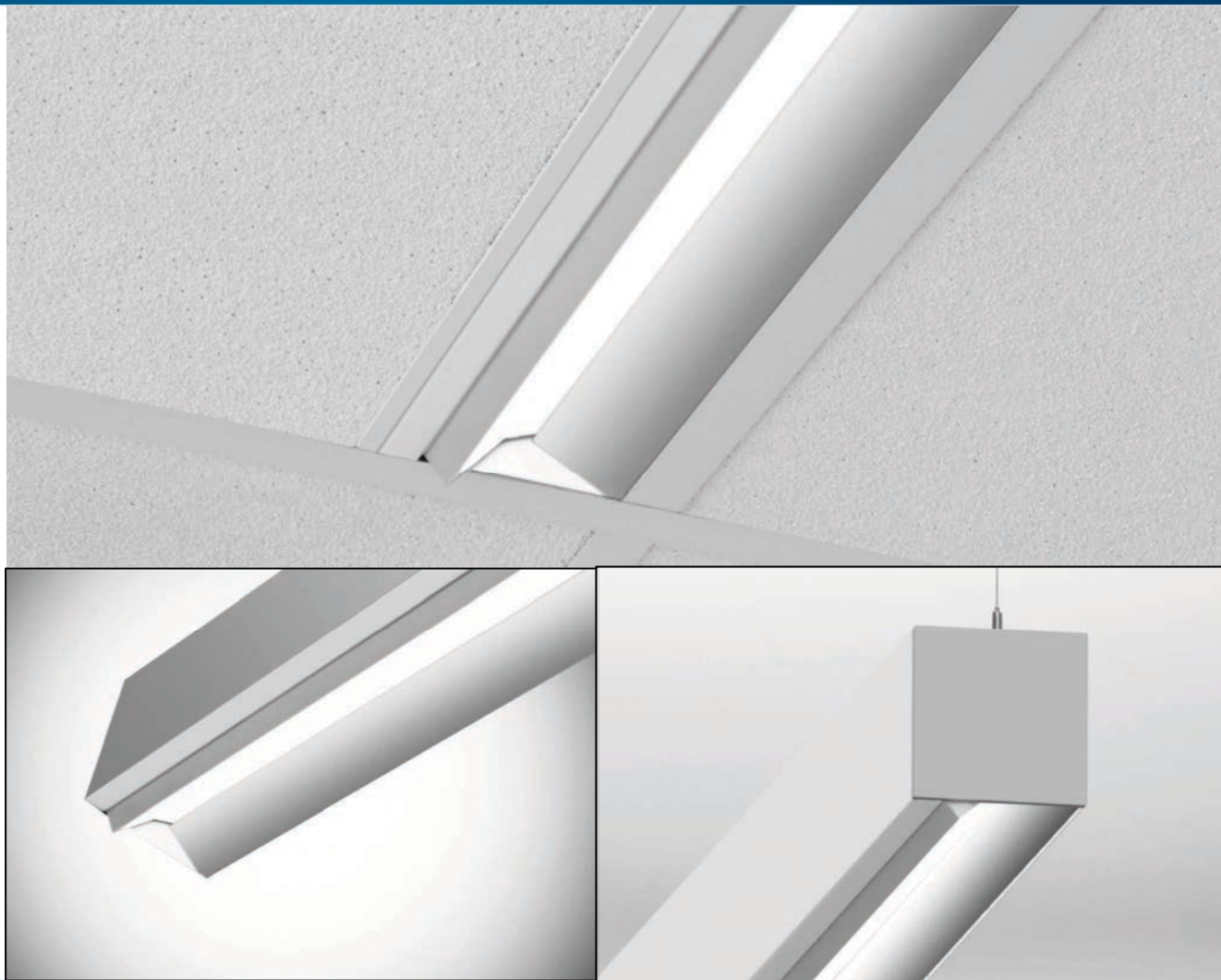
Vertical

Wall Wash

- Optical design throws light tight to the ceiling line
- Provides uniform illumination on vertical surfaces
- Ships standard with easily removable kicker reflector



With Kicker



Performance

HP-4 Indirect/Direct

PHOTOMETRY

Very High Output/ Very High Output - 4' Luminaire

Distribution: 53% Up (V) / 47% Down (V)

Efficacy: 106.4 lumen per watt

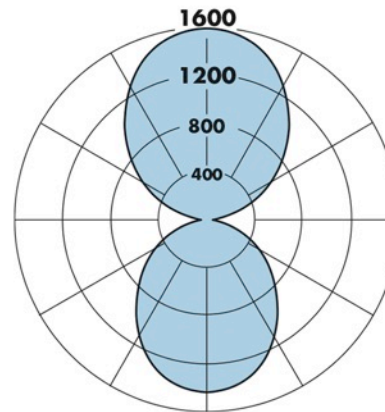
Uplight: 4180 lumens (1045 lumens/foot)

Downlight: 3706 lumens (927 lumens/foot)

Total luminaire output: 7886 lumens (1972 lumens/foot)
75.7 watts (18.9 watts/foot)

CCT: 3500K

ITL LM79 Report 85125



CANDLEPOWER SUMMARY						
	0.0	22.5	45	67.5	90	Flux
0	1443	1443	1443	1443	1443	
5	1433	1434	1434	1433	1434	136
15	1368	1360	1365	1363	1356	384
25	1239	1225	1228	1224	1216	564
35	1062	1050	1049	1040	1034	654
45	859	850	847	838	832	652
55	647	640	637	628	624	568
65	435	430	429	424	422	424
75	233	234	233	234	232	248
85	65	67	68	69	70	76
90	0	0	0	0	0	
95	71	72	76	81	82	86
105	257	261	266	270	269	281
115	485	483	485	490	486	482
125	723	726	726	720	717	646
135	963	958	961	958	951	739
145	1189	1177	1185	1179	1172	738
155	1377	1367	1374	1368	1363	631
165	1517	1510	1514	1511	1510	426
175	1590	1590	1590	1589	1590	151
180	1600	1600	1600	1600	1600	

Performance

HP-4 Indirect/Direct

			↑ Indirect	↓ Direct
Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire				
	↑S*	↑B*	↑H*	↑V**
↓S*	3228 [153% 47%↓]	3668 [159% 41%↓]	4768 [168% 32%↓]	5697 [173% 27%↓]
↓B*	3618 [147% 53%↓]	4058 [153% 47%↓]	5158 [163% 37%↓]	6087 [169% 31%↓]
↓H*	4593 [137% 63%↓]	5033 [143% 57%↓]	6134 [153% 47%↓]	7062 [159% 41%↓]
↓V*	5417 [132% 68%↓]	5857 [137% 63%↓]	6957 [147% 53%↓]	7886 [153% 47%↓]

Light Output, 3500K, 80 CRI (Lumens Per Foot)				
	↑S*	↑B*	↑H*	↑V**
↓S*	807	917	1192	1424
↓B*	905	1014	1290	1522
↓H*	1148	1258	1533	1766
↓V*	1354	1464	1739	1972

Power (Watts Per Foot)				
	↑S*	↑B*	↑H*	↑V**
↓S*	7.3	8.2	10.7	12.9
↓B*	8.3	9.2	11.7	13.9
↓H*	10.7	11.7	14.2	16.4
↓V*	12.9	13.9	16.4	18.5

Efficacy, 3500K, 80 CRI (Lumens Per Watt)				
	↑S*	↑B*	↑H*	↑V**
↓S*	110.5	111.8	111.4	110.4
↓B*	109.0	110.2	110.3	109.5
↓H*	107.3	107.5	108.0	107.7
↓V*	105.0	105.3	106.0	106.4

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

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

** Correlation based on ITL report: 85125

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.

**SAMPLE LUMEN
ADJUSTMENT CALCULATION**
High Output (H) / Standard Output (S),
4000K, 90 CRI

Lumen Adjustment Factor = 0.789

Total Light Output =
4768 lm x 0.789 = 3762 lm

Total Light Output per Foot =
1192 lm/ft x 0.789 = 940 lm/ft

watts/foot = 10.7 W/ft

$$\text{Efficacy} = \frac{940 \frac{\text{lm}}{\text{ft}}}{10.7 \frac{\text{W}}{\text{ft}}} = 87.9 \text{ lm/W}$$

Performance

HP-4 D, HP-4 WM D, HP-4 R, HP-4 SM

PHOTOMETRY

Very High Output - 4' Luminaire

Efficacy (Lumen per watt): 100.1

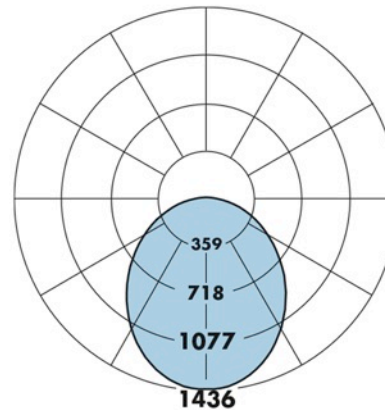
Total luminaire output: 3705 Lumens (926 lumens/foot)

37 Watts (9.3 watts/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	

Performance

HP-4 D, HP-4 WM D, HP-4 R, HP-4 SM

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
S*	B*	H*	V**
1517	1907	2882	3705

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
S*	B*	H*	V**
379	477	720	926

Power (Watts Per Foot)			
S*	B*	H*	V**
3.6	4.6	7.1	9.3

Efficacy, 3500K, 80 CRI (Lumens Per Watt)			
S*	B*	H*	V**
104.5	103.5	101.7	100.1

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

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

** Correlation based on ITL report: 85124

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.

SAMPLE LUMEN ADJUSTMENT CALCULATION

High Output (H), 4000K, 90 CRI

Lumen Adjustment Factor = 0.789

Total Light Output =
2882 lm x 0.789 = 2274 lm

Total Light Output per Foot =
720 lm/ft x 0.789 = 568 lm/ft

watts/foot = 7.1 W/ft

$$\text{Efficacy} = \frac{568 \frac{\text{lm}}{\text{ft}}}{7.1 \frac{\text{W}}{\text{ft}}} = 80 \text{ lm/W}$$

Performance

HP-4 I, HP-4 WM-I

PHOTOMETRY

Very High Output - 4' Luminaire

Efficacy (Lumen per watt): 111.8

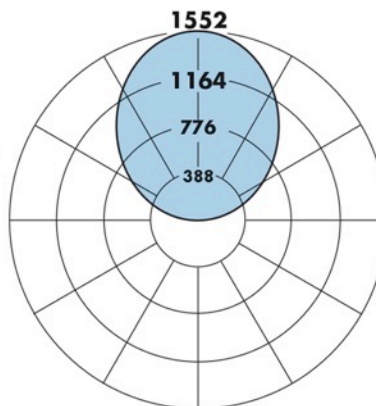
Total luminaire output: 4114 Lumens (1029 lumens/foot)

37.6 Watts (9.4 watts/foot)

Peak Candela Value: 1552 @ 180°

CCT: 3500K

ITL LM79 Report ITL85127



CANDLEPOWER SUMMARY						
	0.0	22.5	45	67.5	90	Flux
90	0	0	0	0	0	
95	76	77	79	80	80	88
105	264	263	267	270	269	283
115	487	481	482	489	484	479
125	714	715	714	708	710	637
135	943	947	947	940	937	727
145	1161	1151	1166	1155	1151	724
155	1343	1332	1341	1338	1331	616
165	1475	1467	1473	1471	1468	414
175	1542	1542	1543	1543	1542	146
180	1552	1552	1552	1552	1552	

Performance

HP-4 I, HP-4 WM-I

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
S*	B*	H*	V**
1684	2117	3200	4114

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
S*	B*	H*	V**
421	529	800	1029

Power (Watts Per Foot)			
S*	B*	H*	V**
3.6	4.6	7.0	9.2

Efficacy, 3500K, 80 CRI (Lumens Per Watt)			
S*	B*	H*	V**
116.7	115.5	113.5	111.8

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

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

** Correlation based on ITL report: 85127

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.

SAMPLE LUMEN ADJUSTMENT CALCULATION

High Output (H), 4000K, 90 CRI

Lumen Adjustment Factor = 0.789

Total Light Output =
3200 lm x 0.789 = 2525 lm

Total Light Output per Foot =
800 lm/ft x 0.789 = 631 lm/ft

watts/foot = 7.0 W/ft

$$\text{Efficacy} = \frac{631 \frac{\text{lm}}{\text{ft}}}{7.0 \frac{\text{W}}{\text{ft}}} = 90.1 \text{ lm/W}$$

Performance

HP-4 WW-D, WW-R, WW-SM

PHOTOMETRY

Very High Output - 4' Luminaire With Kicker

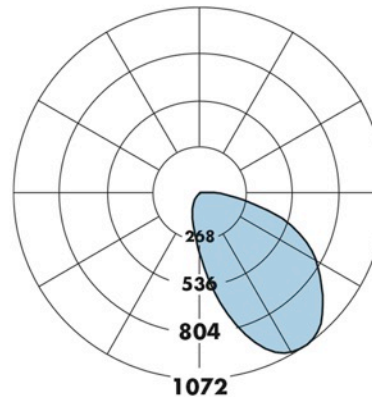
Efficacy (Lumen per watt): 91.7

Total luminaire output: 1816 Lumens (454 lumens/foot)
21.5 Watts (5.4 watts/foot)

Peak Candela Value: 1072 @ 35°

CCT: 3500K

ITL LM79 Report 85130



CANDLEPOWER SUMMARY						
	0.0	22.5	45	67.5	90	Flux
0	373	373	373	373	373	
5	495	456	374	306	281	37
15	791	649	366	209	175	121
25	1018	818	347	147	115	217
35	1072	896	315	101	72	294
45	996	848	271	62	35	328
55	842	708	214	28	6	311
65	673	536	149	5	6	259
75	407	363	84	4	5	173
85	157	137	25	0	0	70
90	75	54	0	0	0	

Performance

HP-4 WW-D, WW-R, WW-SM

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
S*	B*	H*	V**
743	935	1412	1816

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
S*	B*	H*	V**
186	234	353	454

Power (Watts Per Foot)			
S*	B*	H*	V**
2.0	2.5	3.8	5.0

Efficacy, 3500K, 80 CRI (Lumens Per Watt)			
S*	B*	H*	V**
90.9	92.1	92.4	91.7

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

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

** Correlation based on ITL report: 85130

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.

SAMPLE LUMEN ADJUSTMENT CALCULATION

High Output (H), 4000K, 90 CRI

Lumen Adjustment Factor = 0.789

Total Light Output =
1412 lm x 0.789 = 1114 lm

Total Light Output per Foot =
353 lm/ft x 0.789 = 279 lm/ft

watts/foot = 3.8 W/ft

$$\text{Efficacy} = \frac{279 \frac{\text{lm}}{\text{ft}}}{3.8 \frac{\text{W}}{\text{ft}}} = 73.4 \text{ lm/W}$$

Marketing Materials

Project: Boston Logan Airport - Terminal B
Architect: AECOM
Location: Boston, MA

FINELITE

Better Lighting

HP-4

With Tailored Lighting™

High Performance 4" Aperture
LED COLLECTION

Indirect/Direct
Pendant

Direct
Pendant

Indirect
Pendant

Recessed

Surface
Mount

Wall Wash

Performance

Applications

FINELITE

High Performance 4" Aperture (HP-4) - Indirect/Direct

3500K
4000K
HO/SD
4", 6", 12"

Bottom Glow Diffuser (Optional)

DESCRIPTION

High Performance 4" aperture Indirect/Direct (HP-4 ID) is a patented, linear LED luminaire with Flush, Top Glow™ and Bottom Glow™ options for up- and downlight. The micro slope delivers excellent performance using an advanced optical design and mid-power LEDs to achieve 90% of initial light output at 100,000 hours. Tailored Lighting options available.

Top Glow Diffuser (Optional)

Flush Uplight and Downlight Diffuser (Optional)

BOTTOM GLOW DIFFUSER

The optional Bottom Glow diffuser adds a clean line of light along the downlight element.

Tailored Lighting
10 working days

TAILORED LIGHTING
Any length greater than 2 feet, in increments down to 1/16th-inch. 90-degree mitered corners in a single plane.

LED BUY AMERICAN ACT OF 2009 COMPLIANT

Project _____

Type _____

Comments _____

ORDERING GUIDE

Sample Number: HP-4 ID - 32' - SD - HO - 3500K - TG - F - 120V - FA - SC - C1 - OBO

Finelite Series HP-4 ID —
Length Minimum 2', increments according to 1/16th" (standard)
Up/Downlight Engine (SD) - Standard Output, HO - High Output
Downlight Engine (SD) - Standard Output, HO - High Output
LED Color Temperature (3500K, 4000K, 4800K)
Up/Downlight Diffuser Option (TG - Top Glow (standard), F - Flush (optional))
Downlight Diffuser Option (F - Flush (standard), HO - Bottom Glow (optional))
Voltage (120V, 277V)
Mounting (FA - Fully Adjustable)
Circuiting (SC - Single Circuit, SC - Dual Circuit)
Ceiling Type (C1 - 1" T-Bar, C2 - 9/16" T-Bar, C3 - Screw Slot, C4 - Hard Ceiling)
Integrated Sensor (OBO - Occupancy Sensor, OBO - Daylight)

*Contact factory for switching options

Protected by one or more US Patents: 8915613; 0782,391; 0782,390; 0788,732

Finelite, Inc. • 30500 Whipple Road • Union City, CA 94587-1530 • 510 / 441-1100 • Fax: 510 / 441-1510 • www.finelite.com

Due to continuing product improvements, Finelite reserves the right to change specifications without notice. Please visit www.finelite.com for most current data.

LED BUY AMERICAN ACT OF 2009 COMPLIANT

HP-4) - Recessed

Project _____

Type _____

Comments _____

Tailored Lighting
10 working days

TAILORED LIGHTING
Any length greater than 2 feet, in increments down to 1/16th-inch and 90-degree mitered corners in a single plane.

LED BUY AMERICAN ACT OF 2009 COMPLIANT

Project _____

Type _____

Comments _____

ORDERING GUIDE

Sample Number: HP-4 ID - 32' - SD - HO - 3500K - TG - F - 120V - FA - SC - C1 - OBO

Finelite Series HP-4 ID —
Length Minimum 2', increments according to 1/16th" (standard)
Up/Downlight Engine (SD) - Standard Output, HO - High Output
Downlight Engine (SD) - Standard Output, HO - High Output
LED Color Temperature (3500K, 4000K, 4800K)
Up/Downlight Diffuser Option (TG - Top Glow (standard), F - Flush (optional))
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Voltage (120V, 277V)
Mounting (FA - Fully Adjustable)
Circuiting (SC - Single Circuit, SC - Dual Circuit)
Ceiling Type (C1 - 1" T-Bar, C2 - 9/16" T-Bar, C3 - Screw Slot, C4 - Hard Ceiling)
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LED BUY AMERICAN ACT OF 2009 COMPLIANT

Project _____

Type _____

Comments _____

Ordering Information

Example:

Ordering Guide

HP-4 ID - 32' - S - H - 8 - 35 - K - TG - F - 120V - SC - FA - C1 - OBO

Finelite Series HP-4 (ID - Indirect/Direct, D - Direct, _____
 I - Indirect, SM - Surface Mount,
 R - Recessed, RG - Recessed
 with Regressed Diffuser[†])

Finelite Series HP-4 WM (ID - Indirect/Direct, D - Direct _____
 I - Indirect)

Finelite Series HP-4 WW (D - Direct, R - Recessed, _____
 SM - Surface Mount)

Length (Minimum 2', increments accurate to _____
 1/16th" (± 1/32"), Standard)

Uplight Output (S - Standard Output, B - Boosted Standard Output, _____
 H - High Output, V - Very High Output)

Downlight Output (S - Standard Output, B - Boosted Standard Output, _____
 H - High Output, V - Very High Output)

LED CRI (8 - 80 CRI Min (standard), 9 - 90 CRI Min (optional)) _____

LED Color Temperature (30 - 3000K, 35 - 3500K, 40 - 4000K) _____

Reflector[◇] (K - Kicker (standard), FO - Fully Open (optional)) _____

Uplight Diffuser* (TG - Top Glow (standard), F - Flush (optional)) _____

Downlight Diffuser** (F - Flush (standard), BG - Bottom Glow (optional)) _____

Voltage (120V, 277V) _____

Circuiting (SC - Single Circuit, DC - Dual Circuit^Ω)*** _____

Mounting (FA - Fully Adjustable, FM - Flexible Mounting[‡], MB - Mounting Bracket[‡]) _____

Ceiling Type (C1 - 1" T-Bar, C2 - 9/16" T-Bar, C3 - Screw Slot, C3F - Flush Screw Slot,
 C4 - Hard Ceiling[#], C1T - 1" Tegular, C2T - 9/16" Tegular, VF - Visible Flange,
 SF - Spackle Flange, TZ6 (C1, C2, C2T, C3, C3T, C3F) - Tech Zone 6") _____

Integrated Sensor[‡] (OBO - Occupancy Sensor, OBD - Daylight) _____

† Regressed diffuser housing is 5" deep
 ◇ WW Only
 * Applies to ID & I only
 ** Applies to D, ID, and SM only

*** Contact factory for switching options
 Ω Dual Circuit for Indirect/Direct only
 ‡ Available on HP-4 D only
 ‡ Available on HP-4 WM only

Available on HP-4 SM only
 ‡ Not available for WW

Finelite Commitment To You



- **10-working-day shipping on standard orders of all products**



- **Focus on sustainability**



- **Buy American Act of 2009 Compliant**

The Finelite LED Difference



- **10-year performance-based warranty**



- **90% of initial light output at 100,000 hours**



- **Replaceable LED light array**



- **Dimming standard**