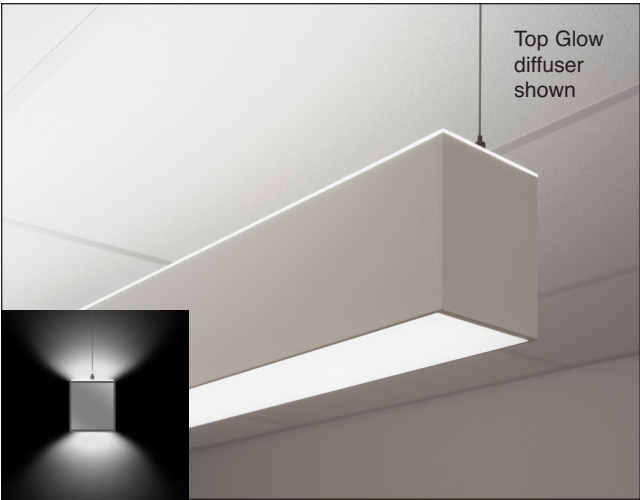




BUY AMERICAN ACT OF 2009 COMPLIANT

# FINELITE

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



Date

Project

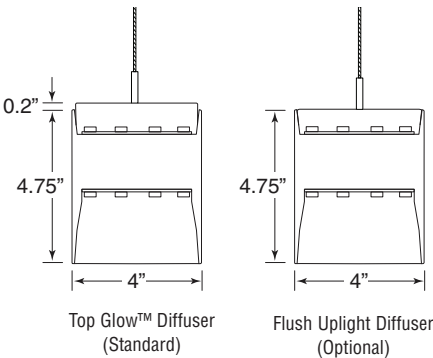
Type

Comments



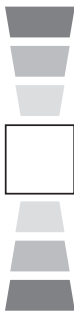
### DESCRIPTION

High Performance 4" aperture indirect/direct pendant (HP-4 ID) is a patent pending, linear LED luminaire for offices, schools, retail and healthcare facilities. Advanced optical designs and mid-powered LEDs deliver an efficient, long-lasting luminaire free of glare and socket shadows for single and continuous lighting applications. HP-4 ID is RoHS compliant.



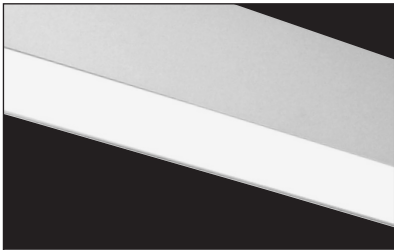
### DIMENSIONS & DIFFUSER:

A glare-free experience is attained with mid-powered LEDs properly distributed and paired with a precise diffuser to eliminate pixilation.



### INDIRECT/DIRECT DIMMING:

Uplight and downlight can be dimmed together or individually for maximum control over your space. 0-10v controls; range 100%-10%.



### SEAMLESS ILLUMINATION:

The optical design features seamless lenses up to 12' in length and eliminates socket shadows at joints and corners.

### ORDERING GUIDE

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

|                                                                            |         |  |  |  |  |  |  |  |  |  |
|----------------------------------------------------------------------------|---------|--|--|--|--|--|--|--|--|--|
| Finelite Series HP-4 ID                                                    | HP-4 ID |  |  |  |  |  |  |  |  |  |
| Size (4', 8', 12' multiples standard)                                      |         |  |  |  |  |  |  |  |  |  |
| Uplight Engine (SO - Standard Output, HO - High Output)                    |         |  |  |  |  |  |  |  |  |  |
| Downlight Engine (SO - Standard Output, HO - High Output)                  |         |  |  |  |  |  |  |  |  |  |
| LED Color Temperature (3000K, 3500K, 4000K)                                |         |  |  |  |  |  |  |  |  |  |
| Uplight Diffuser Option (TG-Top Glow, F-Flush)*                            |         |  |  |  |  |  |  |  |  |  |
| Voltage (120, 277V)                                                        |         |  |  |  |  |  |  |  |  |  |
| Mounting (FA)                                                              |         |  |  |  |  |  |  |  |  |  |
| Circuiting (SC-Single Circuit, MC-Multi-Circuit)                           |         |  |  |  |  |  |  |  |  |  |
| Ceiling Type (C1-1" T-Bar, C2-9/16" T-Bar, C3-Screw Slot, C4-Hard Ceiling) |         |  |  |  |  |  |  |  |  |  |

\* Top Glow Diffuser - Standard, Flush Uplight Diffuser - Optional

Patent Pending

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BUY AMERICAN ACT OF 2009 COMPLIANT

# FINELITE

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

### PHOTOMETRY

Standard Output/ Standard Output

Distribution: 55% Up (SO) / 45% Down (SO)

1719 Lumens Up / 1408 Lumens Down

Efficacy (Lumen per watt): 95 LPW Up/ 77 LPW Down

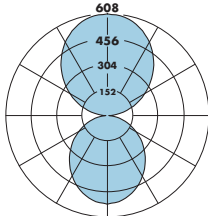
Total luminaire output: 3127 Lumens/ 36 Watts

CRI: 83

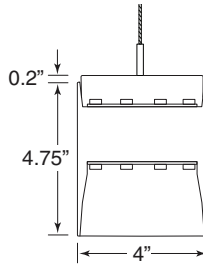
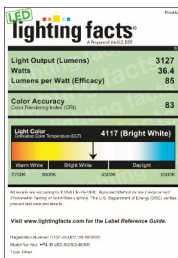
R9: 9

CCT: 4000K

ITL LM79 Report 74369



— Refer to [www.finelite.com](http://www.finelite.com) for additional photometry and product information.



### CANDLEPOWER SUMMARY

|     | 0.0 | 22.5 | 45  | 67.5 | 90  | Flux |
|-----|-----|------|-----|------|-----|------|
| 0   | 528 | 528  | 528 | 528  | 528 |      |
| 5   | 525 | 526  | 527 | 523  | 521 | 50   |
| 15  | 499 | 502  | 502 | 497  | 494 | 141  |
| 25  | 453 | 459  | 453 | 452  | 447 | 209  |
| 35  | 393 | 397  | 390 | 391  | 387 | 245  |
| 45  | 321 | 325  | 317 | 320  | 316 | 247  |
| 55  | 246 | 250  | 242 | 246  | 241 | 219  |
| 65  | 166 | 171  | 164 | 169  | 164 | 166  |
| 75  | 92  | 97   | 92  | 97   | 92  | 100  |
| 85  | 25  | 29   | 26  | 31   | 26  | 32   |
| 90  | 0   | 5    | 6   | 7    | 8   |      |
| 95  | 37  | 44   | 38  | 45   | 39  | 45   |
| 105 | 120 | 125  | 119 | 126  | 120 | 129  |
| 115 | 207 | 215  | 208 | 216  | 208 | 209  |
| 125 | 302 | 306  | 301 | 305  | 300 | 271  |
| 135 | 389 | 395  | 388 | 393  | 387 | 302  |
| 145 | 470 | 472  | 469 | 471  | 467 | 294  |
| 155 | 535 | 539  | 535 | 536  | 532 | 247  |
| 165 | 582 | 584  | 584 | 582  | 580 | 164  |
| 175 | 605 | 606  | 607 | 602  | 602 | 57   |
| 180 | 606 | 606  | 606 | 606  | 606 |      |

### PHOTOMETRY

Standard Output/ High Output

Distribution: 38% Up (SO) / 62% Down (HO)

1697 Lumens Up / 2735 Lumens Down

Efficacy (Lumen per watt): 93 LPW Up/ 74 LPW Down

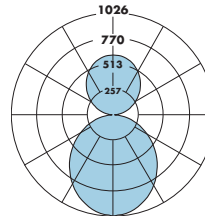
Total luminaire output: 4431 Lumens/ 55 Watts

CRI: 84

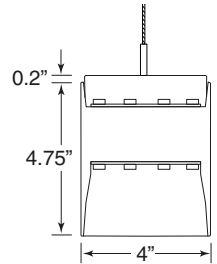
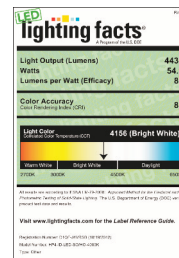
R9: 10

CCT: 4000K

ITL LM79 Report 74367



— Refer to [www.finelite.com](http://www.finelite.com) for additional photometry and product information.



### CANDLEPOWER SUMMARY

|     | 0.0  | 22.5 | 45   | 67.5 | 90   | Flux |
|-----|------|------|------|------|------|------|
| 0   | 1023 | 1023 | 1023 | 1023 | 1023 |      |
| 5   | 1017 | 1017 | 1022 | 1010 | 1009 | 96   |
| 15  | 969  | 970  | 973  | 960  | 961  | 273  |
| 25  | 883  | 888  | 882  | 873  | 871  | 405  |
| 35  | 767  | 769  | 762  | 756  | 754  | 476  |
| 45  | 630  | 629  | 620  | 617  | 619  | 481  |
| 55  | 481  | 482  | 474  | 475  | 473  | 425  |
| 65  | 330  | 327  | 323  | 325  | 323  | 323  |
| 75  | 184  | 184  | 183  | 184  | 182  | 193  |
| 85  | 53   | 53   | 54   | 57   | 54   | 62   |
| 90  | 0    | 5    | 8    | 10   | 12   |      |
| 95  | 31   | 42   | 34   | 43   | 36   | 43   |
| 105 | 113  | 121  | 115  | 122  | 116  | 125  |
| 115 | 201  | 210  | 202  | 212  | 203  | 205  |
| 125 | 296  | 301  | 295  | 302  | 296  | 267  |
| 135 | 382  | 390  | 383  | 389  | 382  | 298  |
| 145 | 465  | 469  | 465  | 468  | 464  | 292  |
| 155 | 531  | 536  | 532  | 535  | 529  | 246  |
| 165 | 578  | 582  | 582  | 580  | 577  | 164  |
| 175 | 603  | 604  | 605  | 601  | 601  | 57   |
| 180 | 604  | 604  | 604  | 604  | 604  |      |

### PHOTOMETRY

High Output / Standard Output

Distribution: 70% Up (HO) / 31% Down (SO)

3259 Lumens Up / 1431 Lumens Down

Efficacy (Lumen per watt): 88 LPW Up/ 78 LPW Down

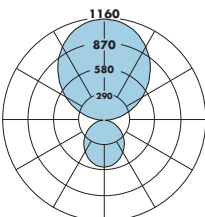
Total luminaire output: 4690 Lumens/ 55 Watts

CRI: 83

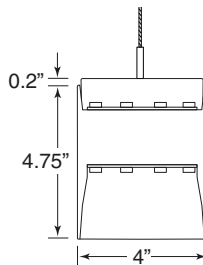
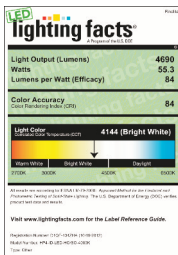
R9: 10

CCT: 4000K

ITL LM79 Report 74368



— Refer to [www.finelite.com](http://www.finelite.com) for additional photometry and product information.



### CANDLEPOWER SUMMARY

|     | 0.0  | 22.5 | 45   | 67.5 | 90   | Flux |
|-----|------|------|------|------|------|------|
| 0   | 535  | 535  | 535  | 535  | 535  |      |
| 5   | 532  | 534  | 537  | 533  | 530  | 51   |
| 15  | 506  | 512  | 512  | 507  | 504  | 143  |
| 25  | 459  | 467  | 461  | 460  | 454  | 212  |
| 35  | 398  | 404  | 397  | 398  | 392  | 249  |
| 45  | 325  | 330  | 323  | 325  | 320  | 251  |
| 55  | 247  | 253  | 244  | 249  | 244  | 221  |
| 65  | 168  | 174  | 166  | 171  | 166  | 168  |
| 75  | 93   | 99   | 93   | 99   | 94   | 101  |
| 85  | 25   | 31   | 27   | 33   | 30   | 34   |
| 90  | 0    | 4    | 7    | 9    | 12   |      |
| 95  | 69   | 77   | 72   | 80   | 73   | 83   |
| 105 | 230  | 233  | 231  | 231  | 231  | 243  |
| 115 | 399  | 402  | 398  | 402  | 400  | 396  |
| 125 | 579  | 577  | 573  | 576  | 573  | 514  |
| 135 | 742  | 745  | 738  | 743  | 736  | 572  |
| 145 | 893  | 895  | 892  | 891  | 890  | 559  |
| 155 | 1021 | 1022 | 1021 | 1017 | 1012 | 469  |
| 165 | 1110 | 1111 | 1112 | 1104 | 1103 | 313  |
| 175 | 1155 | 1156 | 1157 | 1147 | 1148 | 110  |
| 180 | 1157 | 1157 | 1157 | 1157 | 1157 |      |

### PHOTOMETRY

High Output / High Output

Distribution: 54% Up (HO) / 46% Down (HO)

3188 Lumens Up / 2725 Lumens Down

Efficacy (Lumen per watt): 86 LPW Up/ 73 LPW Down

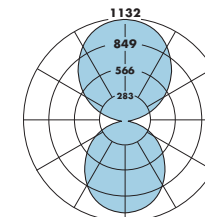
Total luminaire output: 5913 Lumens/ 74 Watts

CRI: 83

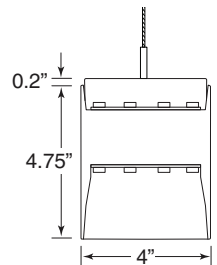
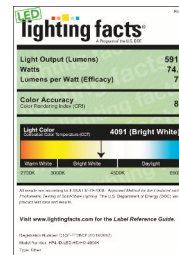
R9: 9

CCT: 4000K

ITL LM79 Report 74181



— Refer to [www.finelite.com](http://www.finelite.com) for additional photometry and product information.



### CANDLEPOWER SUMMARY

|     | 0.0  | 22.5 | 45   | 67.5 | 90   | Flux |
|-----|------|------|------|------|------|------|
| 0   | 1016 | 1016 | 1016 | 1016 | 1016 |      |
| 5   | 1013 | 1013 | 1017 | 1007 | 1006 | 96   |
| 15  | 965  | 968  | 971  | 958  | 958  | 272  |
| 25  | 879  | 883  | 879  | 869  | 867  | 403  |
| 35  | 764  | 763  | 757  | 750  | 751  | 473  |
| 45  | 626  | 626  | 617  | 612  | 615  | 478  |
| 55  | 479  | 477  | 472  | 470  | 472  | 423  |
| 65  | 328  | 327  | 321  | 321  | 320  | 321  |
| 75  | 187  | 185  | 183  | 186  | 184  | 194  |
| 85  | 55   | 57   | 57   | 58   | 57   | 64   |
| 90  | 0    | 7    | 8    | 12   | 14   |      |
| 95  | 69   | 74   | 70   | 76   | 72   | 80   |
| 105 | 222  | 224  | 225  | 225  | 226  | 237  |
| 115 | 385  | 392  | 388  | 394  | 391  | 387  |
| 125 | 565  | 562  | 562  | 562  | 560  | 503  |
| 135 | 727  | 730  | 727  | 727  | 720  | 561  |
| 145 | 876  | 876  | 877  | 872  | 871  | 548  |
| 155 | 999  | 1001 | 999  | 995  | 992  | 460  |
| 165 | 1086 | 1086 | 1088 | 1081 | 1081 | 306  |
| 175 | 1129 | 1128 | 1130 | 1121 | 1123 | 107  |
| 180 | 1128 | 1128 | 1128 | 1128 | 1128 |      |

Consult [www.finelite.com](http://www.finelite.com) for 3000K and 3500K photometric reports.

Patent Pending

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BUY AMERICAN ACT OF 2009 COMPLIANT

# FINELITE

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

### SPECIFICATIONS

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

**ENDCAPS:** Diecast aluminum endcap. Adds 0.25" to each end.

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

**UPLIGHT DIFFUSER:** Top Glow™ lens frost white standard, 73% transmissive, 99% diffusion. Optional: Flush frost white snap-in lens, 73% transmissive, 99% diffusion.

**DOWNLIGHT DIFFUSER:** Flush frost white snap-in lens, 73% transmissive, 99% diffusion.

**LIGHT ENGINE:** HP-4 is available with a choice of four distributions. Both the Indirect and Direct distribution can be specified in Standard Output (SO) or High Output (HO). The chart below summarizes the lumen distribution and wattage. LM79 test reports are available for each distribution. Light engine is made up of high performance mid-powered LEDs and is designed to distribute heat properly to maximize the life of the LED.

#### LED COLOR TEMPERATURE:

Available in 3000K, 3500K, and 4000K. See chart below.

**DRIVER:** High Performance LED Driver. 120/277v. Power factor = **(3000K)** 98% - HO/HO, 96.3% - HO/SO, 96.6% - SO/HO, 95% - SO/SO, **(3500K)** 97.7% - HO/SO, 96.3% - HO/SO, 97% - SO/HO, 94% - SO/SO and **(4000K)** 97.4% - HO/HO, 96.4% - HO/SO, 96.7% - SO/HO, 93.1% - SO/SO. Total Harmonic Distortion <20%. Input Current (120v): **3000K:** HO/HO = 0.631A, HO/SO = 0.474A, SO/HO = 0.478A, SO/SO = 0.315A. **3500K:** HO/HO = 0.632A, HO/SO = 0.474A, SO/HO = 0.477A, SO/SO = 0.32A. **4000K:** HO/HO = 0.636A, HO/SO = 0.473A, SO/HO = 0.475A, SO/SO = 0.325A. Expected driver lifetime: 170,000 hours. Lutron driver options: Lut3W- 3-wire driver, LutES - EcoSystem driver, Lut2W - 2-wire driver.

\*Driver is wired for dimming or non-dimming. Dimming is compatible with 0-10v controls with a range of 100-10%. Separate dimming for uplight and downlight.

**LUMEN MAINTENANCE:** HP-4 ID is rated to deliver 90% lumen maintenance (L90) to 100,000 hours and 70% lumen maintenance (L70) to 168,000 hours.

**ELECTRICAL:** 120 or 277V prewired. Optional Adders: emergency circuits, emergency battery packs. Contact factory.

**MOUNTING:** (FA) 50" fully adjustable aircraft cable standard with safety stop. Contact factory for additional lengths up to 150".

**FINISHES:** Finelite Signal White standard. Optional Adders: 185 colors available from Tiger Drylac's RAL color chart.

**SUPPORT CABLES:** Plated steel cable and hardware.

**FEED:** Standard with one 18 gauge/5 conductor single circuit feed controlling uplight and downlight together (power and dimming). Specify dual feeds for independent control of uplight and downlight. 14 gauge feed cord used when fixture current exceeds 5 amps.

**LENGTHS:** Standard 4', 8', and 12' section lengths can be combined to make longer runs. Contact factory for lengths in increments of 1' or down to the inch.

**WEIGHT:** Fixture weight = 3 lb/ft.

**LABELS:** Fixture and electrical components are UL/C-UL listed and fixture will bear UL/C-UL labels. Damp Location.

**WARRANTY:** HP-4 ID comes standard with a 10-year warranty on all components.

### LED Color Temperature (CRI & R9)

|                     | ↑ SO/SO ↓ | ↑ SO/HO ↓ | ↑ HO/SO ↓ | ↑ HO/HO ↓ |
|---------------------|-----------|-----------|-----------|-----------|
| <b>3000K CRI/R9</b> | 87/35     | 87/34     | 87/34     | 87/34     |
| <b>3500K CRI/R9</b> | 85/19     | 85/21     | 85/21     | 84/18     |
| <b>4000K CRI/R9</b> | 83/9      | 83/10     | 84/10     | 83/9      |

### Lumen Distribution - Per 4' Section

|                        | ↑ SO/SO ↓ | ↑ SO/HO ↓ | ↑ HO/SO ↓ | ↑ HO/HO ↓ |
|------------------------|-----------|-----------|-----------|-----------|
| <b>Uplight lumens</b>  | 1719      | 1697      | 3259      | 3188      |
| <b>Uplight watts</b>   | 18.2      | 18.3      | 37        | 37.2      |
| <b>Lumens per watt</b> | 95        | 93        | 88        | 86        |

|                         |      |      |      |      |
|-------------------------|------|------|------|------|
| <b>Downlight lumens</b> | 1408 | 2735 | 1431 | 2725 |
| <b>Downlight watts</b>  | 18.2 | 37   | 18.3 | 37.2 |
| <b>Lumens per watt</b>  | 77   | 74   | 78   | 73   |

Patent Pending

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