# HLF1
## High Lumen LED Flood Luminaire

Catalog Number

Notes

Type

*Hit the Tab key or mouse over the page to see all interactive elements.*

## Specifications

**EPA:** 3.6 ft² *(0.34 m²)*

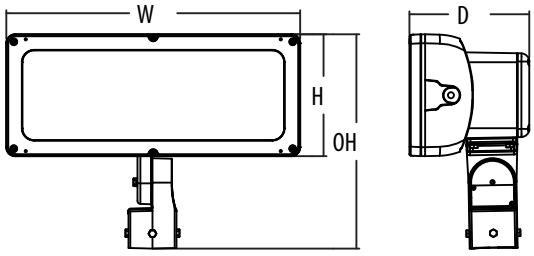
**Depth:** 10″ *(25.4 cm)*

**Width:** 25″ *(63.5 cm)*

**Height:** 10″ *(25.4 cm)*

**Overall Height:** 19″ *(48.3 cm)*

**Weight:** 61 lbs *(27.6 kg)*




## A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background[1]

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

A+ Capable options indicated by this color background.

## Ordering Information

**EXAMPLE:** HLF1 LED P1 40K WFL MVOLT IS DDBXD

| HLF1 LED | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Series** | **Performance package** | **Color temperature** | **Distribution** | **Voltage** | **Mounting** | **Options** | **Finish** *(required)* |
| HLF1 LED | P1<br>P2<br>P3 | 30K 3000 K<br>40K 4000 K<br>50K 5000 K | VNSP Very narrow spot (7°)[1]<br>NSP Narrow spot (15°)<br>SP Spot (22°)<br>NFL Narrow flood (45°)<br>MNFL Medium narrow flood (70°)<br>MFL Medium flood (6x6)<br>WFL Wide flood (6x7) | MVOLT[2]<br>120[3]<br>208[3]<br>240[3]<br>277[3]<br>347[3]<br>480[3] | **Shipped included**<br>IS Integral slipfitter (fits 2-7/8″ O.D. tenon)<br>YKC62 Yoke with 16-3 SO cord | **Shipped installed**<br>PER NEMA twist-lock receptacle only (controls ordered separate)[4,5]<br>PER5 Five-wire receptacle only (controls ordered separate)[4,5]<br>PER7 Seven-wire receptacle only (controls ordered separate)[4,5]<br>SF Single fuse (120, 277, 347V)[3]<br>DF Double fuse (208, 240, 480V)[3]<br>CFB Black faceplate<br>DMG 0-10 dimming driver (controls ordered separate)<br>**Shipped separately**[6]<br>UBV Upper/bottom visor (universal)<br>FV Full visor<br>WG Wire guard<br>VG Vandal guard (polycarbonate) | DDBXD Dark bronze<br>DBLXD Black<br>DNAXD Natural aluminum<br>DWHXD White |

# Ordering Information

## Accessories

*Ordered and shipped separately.*

| | |
|---|---|
| FTS CG6 DDBXD U | Slipfitter for 2-3/8" to 2-7/8" OD tenons; mates with yoke mount (specify finish) |
| DSHORT SBK U | Shorting cap [7] |
| DLL127F 1.5 JU | Photocell - SSL twist-lock (120-277V) [7] |
| DLL347F 1.5 CUL JU | Photocell - SSL twist-lock (347V) [7] |
| DLL480F 1.5 CUL JU | Photocell - SSL twist-lock (480V) [7] |

*For more mounting options, visit our Floodlighting Accessories pages.*

*For more control options, visit DTL and ROAM online.*

**NOTES**

1. VNSP includes an external reflector that ships separately. For installation instructions, refer to the instruction sheet provided with the reflector. VNSP is limited to aiming from 0-90° only. VNSP is not available for use with options CFB, UVB, FV, WG or VG.
2. MVOLT driver operates on any line voltage from 120-277V.
3. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
4. Specifies a ROAM® enabled luminaire with 0-10V dimming capability. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net.
5. For units with a photocontrol receptacle, the mounting must be restricted to ± 45° from horizontal aim per ANSI C136.10-2010.
6. Must be ordered with luminaire. Requires in-field assembly.
7. Requires luminaire to be specified with PER, PER5 or PER7 option. Ordered and shipped as a separate line item.

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

| Performance Package | System Watts | Dist. Type | Field Angle | | Beam Angle | | 30K (3000 K, 70 CRI) | | | 40K (4000 K, 70 CRI) | | | 50K (5000 K, 70 CRI) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | °H | °V | °H | °V | Max Cd | Lumens | LPW | Max Cd | Lumens | LPW | Max Cd | Lumens | LPW |
| P1 | 166W | VNSP | 30 | 30 | 11 | 10 | 217,885 | 15,596 | 94 | 225,623 | 16,150 | 97 | 228,686 | 16,370 | 99 |
| | | NSP | 50 | 49 | 26 | 25 | 63,943 | 18,059 | 109 | 66,214 | 18,700 | 113 | 67,113 | 18,954 | 114 |
| | | SP | 52 | 51 | 31 | 30 | 59,950 | 18,756 | 113 | 62,079 | 19,421 | 117 | 62,922 | 19,686 | 119 |
| | | NFL | 76 | 75 | 49 | 48 | 27,704 | 18,805 | 113 | 28,688 | 19,472 | 117 | 29,078 | 19,737 | 119 |
| | | MNFL | 92 | 91 | 68 | 67 | 16,003 | 18,745 | 113 | 16,571 | 19,410 | 117 | 16,796 | 19,674 | 119 |
| | | MFL | 109 | 114 | 84 | 103 | 9,070 | 18,706 | 113 | 9,410 | 19,370 | 117 | 7,296 | 19,633 | 118 |
| | | WFL | 124 | 133 | 107 | 113 | 6,936 | 18,544 | 112 | 7,196 | 19,203 | 116 | 8,533 | 19,464 | 117 |
| P2 | 246W | VNSP | 30 | 30 | 11 | 10 | 302,828 | 21,677 | 88 | 313,583 | 22,446 | 91 | 317,840 | 22,751 | 92 |
| | | NSP | 50 | 49 | 26 | 25 | 88,871 | 25,099 | 102 | 92,027 | 25,990 | 106 | 93,277 | 26,344 | 107 |
| | | SP | 52 | 51 | 31 | 30 | 83,322 | 26,068 | 106 | 86,281 | 26,993 | 110 | 87,452 | 27,360 | 111 |
| | | NFL | 76 | 75 | 49 | 48 | 38,505 | 26,136 | 106 | 39,873 | 27,064 | 110 | 40,414 | 27,432 | 112 |
| | | MNFL | 92 | 91 | 68 | 67 | 22,241 | 26,053 | 106 | 23,031 | 26,978 | 110 | 23,344 | 27,344 | 111 |
| | | MFL | 101 | 114 | 84 | 103 | 12,834 | 26,416 | 107 | 13,278 | 27,354 | 111 | 10,294 | 27,725 | 113 |
| | | WFL | 124 | 133 | 107 | 113 | 9,815 | 26,187 | 106 | 10,154 | 27,117 | 110 | 12,040 | 27,486 | 112 |
| P3 | 295W | VNSP | 28 | 28 | 10 | 9 | 400,242 | 25,129 | 85 | 425,929 | 26,741 | 91 | 427,942 | 26,868 | 91 |
| | | NSP | 45 | 45 | 23 | 23 | 121,824 | 28,765 | 98 | 129,642 | 30,611 | 104 | 130,255 | 30,756 | 104 |
| | | SP | 49 | 48 | 29 | 29 | 106,286 | 29,737 | 101 | 113,107 | 31,644 | 107 | 113,642 | 31,795 | 108 |
| | | NFL | 72 | 71 | 46 | 45 | 48,277 | 29,491 | 100 | 51,375 | 31,383 | 106 | 51,618 | 31,532 | 107 |
| | | MNFL | 87 | 85 | 64 | 63 | 28,665 | 29,357 | 100 | 30,504 | 31,240 | 106 | 30,648 | 31,388 | 106 |
| | | MFL | 101 | 114 | 84 | 103 | 12,468 | 30,670 | 104 | 13,278 | 32,638 | 111 | 10,194 | 32,792 | 111 |
| | | WFL | 127 | 130 | 112 | 112 | 9,535 | 30,366 | 103 | 12,422 | 32,315 | 110 | 11,923 | 32,467 | 110 |

## Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

| Ambient | | Lumen Multiplier |
|---|---|---|
| 0°C | 32°F | 1.05 |
| 10°C | 50°F | 1.03 |
| 20°C | 68°F | 1.01 |
| **25°C** | **77°F** | **1** |
| 30°C | 86°F | 0.98 |
| 40°C | 104°F | 0.95 |

## Projected LED Lumen Maintenance

| Operating Hours | 0 | 25,000 | 50,000 | 100,000 |
|---|---|---|---|---|
| Lumen Maintenance Factor | HLF1 LED P1 | | | |
| | 1 | 0.98 | 0.96 | 0.93 |
| | HLF1 LED P2 | | | |
| | 1 | 0.98 | 0.96 | 0.93 |
| | HLF1 LED P3 | | | |
| | 1 | 0.93 | 0.9 | 0.83 |

## Electrical Load

| | | Current (A) | | | | | |
|---|---|---|---|---|---|---|---|
| Power Package | System Watts | 120V | 208V | 240V | 277V | 347V | 480V |
| P1 | 166W | 1.4 | 0.8 | 0.7 | 0.7 | 0.5 | 0.4 |
| P2 | 246W | 2.1 | 1.2 | 1.0 | 0.9 | 0.7 | 0.6 |
| P3 | 295W | 2.5 | 1.4 | 1.2 | 1.1 | 0.9 | 0.7 |

## PER Table

| Control | PER (3 wire) | PER5 (5 wire) | | PER7 (7 wire) | | |
|---|---|---|---|---|---|---|
| | | | Wire 4/Wire5 | | Wire 4/Wire5 | Wire 6/Wire7 |
| Photocontrol Only (On/Off) | ✔ | ⚠ | Wired to dimming leads on driver | ⚠ | Wired to dimming leads on driver | Wires Capped inside fixture |
| ROAM | ⊘ | ✔ | Wired to dimming leads on driver | ⚠ | Wired to dimming leads on driver | Wires Capped inside fixture |
| ROAM with Motion (ROAM on/off only) | ⊘ | ⚠ | Wires Capped inside fixture | ⚠ | Wires Capped inside fixture | Wires Capped inside fixture |
| Future-proof* | ⊘ | ⚠ | Wired to dimming leads on driver | ✔ | Wired to dimming leads on driver | Wires Capped inside fixture |
| Future-proof* with Motion | ⊘ | ⚠ | Wires Capped inside fixture | ✔ | Wires Capped inside fixture | Wires Capped inside fixture |

✔ Recommended
⊘ Will not work
⚠ Alternate

*Future-proof means: Ability to change controls in the future.

## Mounting, Options and Accessories

**IS - Integral slipfitter (fits 2-7/8" O.D. tenon)**

**YKC62 Yoke with 16-3 SO cord**

**UBV Upper/Bottom visor (universal)**

**FV Full visor**

**VG Vandal guard**

**WG Wire guard**

**CFB Black faceplate**

## Optics

Depending on the distribution chosen, luminaires are built using internal and external reflectors or hybrid silicone optical technology.

**Internal reflectors MFL, WFL**

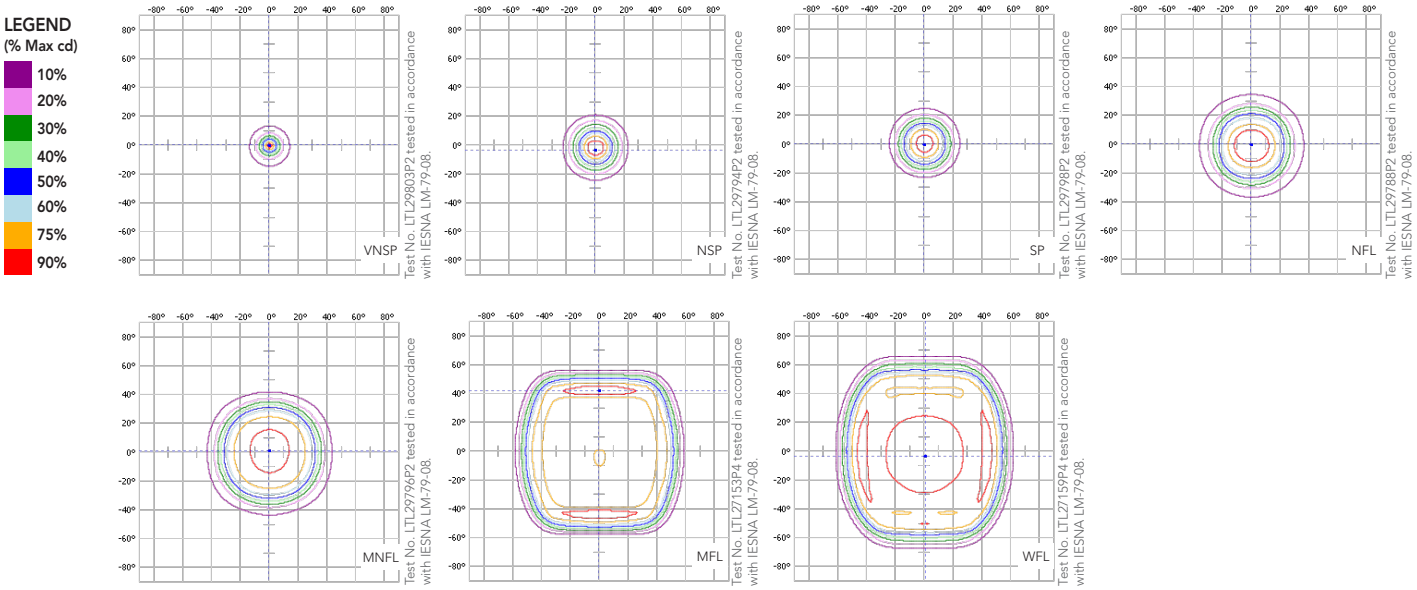
**Hybrid silicone optics NSP, SP, NFL, MNFL**

**Internal and external reflectors VNSP**

## Photometric Diagrams

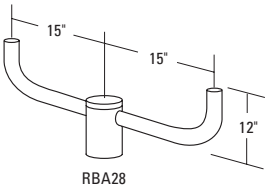
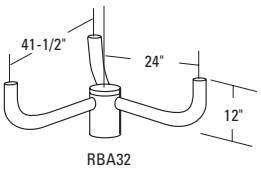
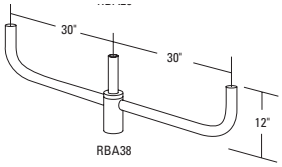
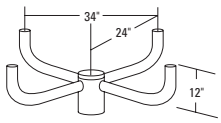
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's HLF Size 1 homepage.

Isofootcandle plots for the HLF1 LED P3 40K. Distances are in units of mount height (20ft).



## Mounting Bracket Summary

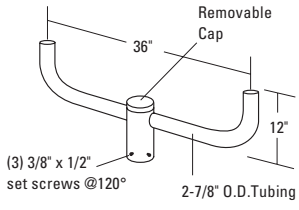
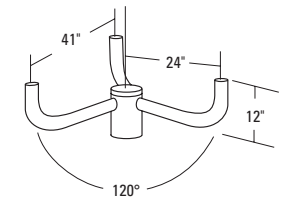
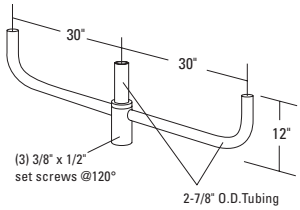
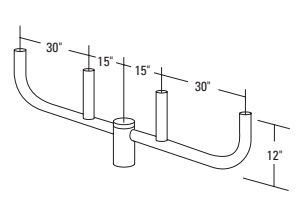
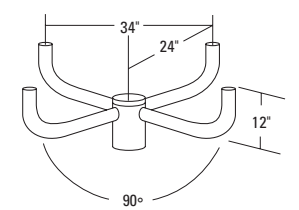
The following is a list of approved mounting brackets for use with the HLF1. These are rated for use in up to 90mph wind zones. Mounting brackets are ordered separate from the luminaires.

| *Aluminum Bullhorns | Catalog Number | Weight (lbs.) | Max Luminaire Weight/Arm (lbs.) | Bracket EPA ft² (m²) | Bracket Configuration | Weight of Luminaires (lbs.) | Luminaire Tilt | Luminaire EPA ft² (m²) | Total EPA ft² (m²) |
|---|---|---|---|---|---|---|---|---|---|
|  RBA28 | *RBA28 | 8.4 | 100 | 1.3 (0.12) | 2 @ 180° | 2 x 61 = 122 | 0° | 2.4 (0.22) | 6.1 (0.57) |
| | | | | | | | 15° | 2.5 (0.23) | 6.3 (0.59) |
| | | | | | | | 30° | 2.8 (0.26) | 6.9 (0.64) |
| | | | | | | | 45° | 3.5 (0.33) | 8.3 (0.77) |
| | | | | | | | 60° | 3.6 (0.34) | 8.5 (0.79) |
| | | | | | | | 90° | 3.6 (0.34) | 8.5 (0.79) |
|  RBA32 | *RBA32 | 14.3 | 100 | 1.7 (0.15) | 3 @ 120° | 3 x 61 = 183 | 0° | 2.4 (0.22) | 8.9 (0.83) |
| | | | | | | | 15° | 2.5 (0.23) | 9.2 (0.85) |
| | | | | | | | 30° | 2.8 (0.26) | 10.1 (0.94) |
| | | | | | | | 45° | 3.5 (0.33) | 12.2 (1.13) |
| | | | | | | | 60° | 3.6 (0.34) | 12.5 (1.16) |
| | | | | | | | 90° | 3.6 (0.34) | 12.5 (1.16) |
|  RBA38 | *RBA38 | 12.5 | 100 | 2.0 (0.18) | 3 @ 180° | 3 x 61 = 183 | 0° | 2.4 (0.22) | 9.2 (0.85) |
| | | | | | | | 15° | 2.5 (0.23) | 9.5 (0.88) |
| | | | | | | | 30° | 2.8 (0.26) | 10.4 (0.97) |
| | | | | | | | 45° | 3.5 (0.33) | 12.5 (1.16) |
| | | | | | | | 60° | 3.6 (0.34) | 12.8 (1.19) |
| | | | | | | | 90° | 3.6 (0.34) | 12.8 (1.19) |
|  RBA49 | *RBA49 | 17.5 | 100 | 2.2 (0.20) | 4 @ 180° | 4 x 61 = 244 | 0° | 2.4 (0.22) | 11.8 (1.10) |
| | | | | | | | 15° | 2.5 (0.23) | 12.2 (1.13) |
| | | | | | | | 30° | 2.8 (0.26) | 13.4 (1.24) |
| | | | | | | | 45° | 3.5 (0.33) | 16.2 (1.51) |
| | | | | | | | 60° | 3.6 (0.34) | 16.6 (1.54) |
| | | | | | | | 90° | 3.6 (0.34) | 16.6 (1.54) |

* This can only be used with 4.0" OD tenon/pole tops

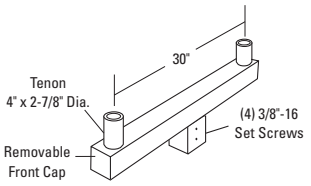
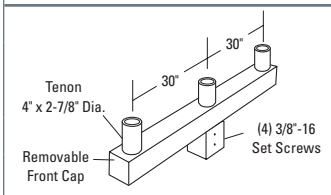
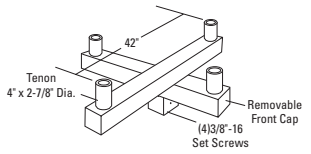
## Mounting Bracket Summary

The following is a list of approved mounting brackets for use with the HLF1. These are rated for use in up to 90mph wind zones. Mounting brackets are ordered separate from the luminaires.

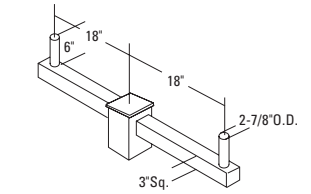
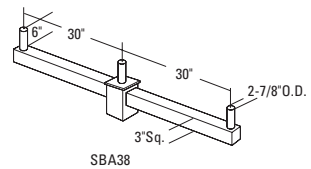
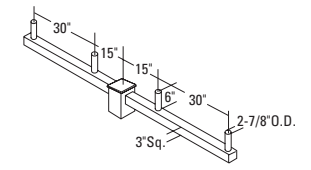
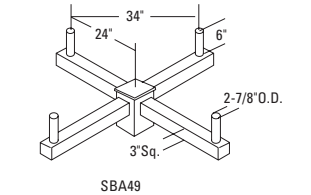
| Steel Bullhorns | Catalog Number | Weight (lbs.) | Max Luminaire Weight/Arm (lbs.) | Bracket EPA ft² (m²) | Bracket Configuration | Weight of Luminaires (lbs.) | Luminaire Tilt | Luminaire EPA ft² (m²) | Total EPA ft² (m²) |
|---|---|---|---|---|---|---|---|---|---|
|  | BS28 | 21 | 150 | 1.0 (0.09) | 2 @ 180° | 2 x 61 = 122 | 0° | 2.4 (0.22) | 5.8 (0.54) |
| | | | | | | | 15° | 2.5 (0.23) | 6.0 (0.56) |
| | | | | | | | 30° | 2.8 (0.26) | 6.6 (0.61) |
| | | | | | | | 45° | 3.5 (0.33) | 8.0 (0.74) |
| | | | | | | | 60° | 3.6 (0.34) | 8.2 (0.76) |
| | | | | | | | 90° | 3.6 (0.34) | 8.2 (0.76) |
|  | BS32 | 34 | 150 | 1.3 (0.12) | 3 @ 120° | 3 x 61 = 183 | 0° | 2.4 (0.22) | 8.5 (0.79) |
| | | | | | | | 15° | 2.5 (0.23) | 8.8 (0.82) |
| | | | | | | | 30° | 2.8 (0.26) | 9.7 (0.90) |
| | | | | | | | 45° | 3.5 (0.33) | 11.8 (1.10) |
| | | | | | | | 60° | 3.6 (0.34) | 12.1 (1.12) |
| | | | | | | | 90° | 3.6 (0.34) | 12.1 (1.12) |
|  | BS38 | 32 | 150 | 1.6 (0.14) | 3 @ 180° | 3 x 61 = 183 | 0° | 2.4 (0.22) | 8.8 (0.82) |
| | | | | | | | 15° | 2.5 (0.23) | 9.1 (0.85) |
| | | | | | | | 30° | 2.8 (0.26) | 10.0 (0.93) |
| | | | | | | | 45° | 3.5 (0.33) | 12.1 (1.12) |
| | | | | | | | 60° | 3.6 (0.34) | 12.4 (1.15) |
| | | | | | | | 90° | 3.6 (0.34) | 12.4 (1.15) |
|  | BS48 | 44 | 125 | 2.3 (0.21) | 4 @ 180° | 4 x 61 = 244 | 0° | 2.4 (0.22) | 11.9 (1.11) |
| | | | | | | | 15° | 2.5 (0.23) | 12.3 (1.14) |
| | | | | | | | 30° | 2.8 (0.26) | 13.5 (1.25) |
| | | | | | | | 45° | 3.5 (0.33) | 16.3 (1.51) |
| | | | | | | | 60° | 3.6 (0.34) | 16.7 (1.55) |
| | | | | | | | 90° | 3.6 (0.34) | 16.7 (1.55) |
|  | BS49 | 44 | 150 | 1.6 (0.14) | 4 @ 90° | 4 x 61 = 244 | 0° | 2.4 (0.22) | 11.2 (1.04) |
| | | | | | | | 15° | 2.5 (0.23) | 11.6 (1.08) |
| | | | | | | | 30° | 2.8 (0.26) | 12.8 (1.19) |
| | | | | | | | 45° | 3.5 (0.33) | 15.6 (1.45) |
| | | | | | | | 60° | 3.6 (0.34) | 16.0 (1.49) |
| | | | | | | | 90° | 3.6 (0.34) | 16.0 (1.49) |

## Mounting Bracket Summary

The following is a list of approved mounting brackets for use with the HLF1. These are rated for use in up to 90mph wind zones. Mounting brackets are ordered separate from the luminaires.

| *Steel Cross Arms (Square Poles only) | Catalog Number | Weight (lbs.) | Max Luminaire Weight/Arm (lbs.) | Bracket EPA ft² (m²) | Bracket Configuration | Weight of Luminaires (lbs.) | Luminaire Tilt | Luminaire EPA ft² (m²) | Total EPA ft² (m²) |
|---|---|---|---|---|---|---|---|---|---|
|  SBS28 | SBS28* | 30 | 250 | 1.1 (0.10) | 2 @ 180° | 2 x 61 = 122 | 0° | 2.4 (0.22) | 5.9 (0.55) |
| | | | | | | | 15° | 2.5 (0.23) | 6.1 (0.57) |
| | | | | | | | 30° | 2.8 (0.26) | 6.7 (0.62) |
| | | | | | | | 45° | 3.5 (0.33) | 8.1 (0.75) |
| | | | | | | | 60° | 3.6 (0.34) | 8.3 (0.77) |
| | | | | | | | 90° | 3.6 (0.34) | 8.3 (0.77) |
|  SBS38 | SBS38* | 42 | 150 | 1.7 (0.15) | 3 @ 180° | 3 x 61 = 183 | 0° | 2.4 (0.22) | 8.9 (0.83) |
| | | | | | | | 15° | 2.5 (0.23) | 9.2 (0.85) |
| | | | | | | | 30° | 2.8 (0.26) | 10.1 (0.94) |
| | | | | | | | 45° | 3.5 (0.33) | 12.2 (1.13) |
| | | | | | | | 60° | 3.6 (0.34) | 12.5 (1.16) |
| | | | | | | | 90° | 3.6 (0.34) | 12.5 (1.16) |
|  SBS49 | SBS49* | 45 | 150 | 2.1 (0.20) | 4 @ 90° | 4 x 61 = 244 | 0° | 2.4 (0.22) | 11.7 (1.09) |
| | | | | | | | 15° | 2.5 (0.23) | 12.1 (1.12) |
| | | | | | | | 30° | 2.8 (0.26) | 13.3 (1.24) |
| | | | | | | | 45° | 3.5 (0.33) | 16.1 (1.50) |
| | | | | | | | 60° | 3.6 (0.34) | 16.5 (1.53) |
| | | | | | | | 90° | 3.6 (0.34) | 16.5 (1.53) |

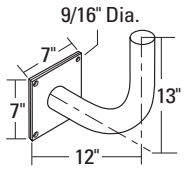
*Requires T20 (2-7/8" max OD) tenon on pole for mounting

| Aluminum Cross Arms (Square Poles only) | Catalog Number | Weight (lbs.) | Max Luminaire Weight/Arm (lbs.) | Bracket EPA ft² (m²) | Bracket Configuration | Weight of Luminaires (lbs.) | Luminaire Tilt | Luminaire EPA ft² (m²) | Total EPA ft² (m²) |
|---|---|---|---|---|---|---|---|---|---|
|  SBA28 | SBA28-4 | 12 | 100 | 0.9 (0.08) | 2 @ 180° | 2 x 61 = 122 | 0° | 2.4 (0.22) | 5.7 (0.53) |
| | | | | | | | 15° | 2.5 (0.23) | 5.9 (0.55) |
| | | | | | | | 30° | 2.8 (0.26) | 6.5 (0.60) |
| | | | | | | | 45° | 3.5 (0.33) | 7.9 (0.73) |
| | | | | | | | 60° | 3.6 (0.34) | 8.1 (0.75) |
| | | | | | | | 90° | 3.6 (0.34) | 8.1 (0.75) |
|  SBA38 | SBA38-4 | 17 | 100 | 1.5 (0.13) | 3 @ 180° | 3 x 61 = 183 | 0° | 2.4 (0.22) | 8.7 (0.81) |
| | | | | | | | 15° | 2.5 (0.23) | 9.0 (0.84) |
| | | | | | | | 30° | 2.8 (0.26) | 9.9 (0.92) |
| | | | | | | | 45° | 3.5 (0.33) | 12.0 (1.11) |
| | | | | | | | 60° | 3.6 (0.34) | 12.3 (1.14) |
| | | | | | | | 90° | 3.6 (0.34) | 12.3 (1.14) |
|  SBA48 | SBA48-4 | 22 | 75 | 2.3 (0.21) | 4 @ 180° | 4 x 61 = 244 | 0° | 2.4 (0.22) | 11.9 (1.11) |
| | | | | | | | 15° | 2.5 (0.23) | 12.3 (1.14) |
| | | | | | | | 30° | 2.8 (0.26) | 13.5 (1.25) |
| | | | | | | | 45° | 3.5 (0.33) | 16.3 (1.51) |
| | | | | | | | 60° | 3.6 (0.34) | 16.7 (1.55) |
| | | | | | | | 90° | 3.6 (0.34) | 16.7 (1.55) |
|  SBA49 | SBA49-4 | 22 | 100 | 1.7 (0.15) | 4 @ 90° | 4 x 61 = 244 | 0° | 2.4 (0.22) | 11.3 (1.05) |
| | | | | | | | 15° | 2.5 (0.23) | 11.7 (1.09) |
| | | | | | | | 30° | 2.8 (0.26) | 12.9 (1.20) |
| | | | | | | | 45° | 3.5 (0.33) | 15.7 (1.46) |
| | | | | | | | 60° | 3.6 (0.34) | 16.1 (1.50) |
| | | | | | | | 90° | 3.6 (0.34) | 16.1 (1.50) |

## Mounting Bracket Summary

The following is a list of approved mounting brackets for use with the HLF1. These are rated for use in up to 90mph wind zones. Mounting brackets are ordered separate from the luminaires.

### Wall Mount Brackets

| Catalog Number | Weight (lbs.) | Max Luminaire Weight/Arm (lbs.) | Bracket EPA ft² (m²) | Bracket Configuration | Weight of Luminaires (lbs.) | Luminaire Tilt | Luminaire EPA ft² (m²) | Total EPA ft² (m²) |
|---|---|---|---|---|---|---|---|---|
|  | FRWB | 12 | 80 | N/A | 1 | 1 x 61 = 61 | 0° | 2.4 (0.22) | N/A |
| | | | | | | | 15° | 2.5 (0.23) | |
| | | | | | | | 30° | 2.8 (0.26) | |
| | | | | | | | 45° | 3.5 (0.33) | |
| | | | | | | | 60° | 3.6 (0.34) | |
| | | | | | | | 90° | 3.6 (0.34) | |

## FEATURES & SPECIFICATIONS

**INTENDED USE**
The contemporary design of the High Lumen LED Flood reflects its embedded high performance LED technology and its versatility. It is ideal for large signage, retail, sports fields, truck yards, and many commercial applications.

**CONSTRUCTION**
The High Lumen LED Flood's die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environment contaminants (IP66). Low EPA 3.6 ft² (0.34 m²) for optimized wind loading.

**FINISH**
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

**OPTICS**
Specular reflectors are engineered for superior field-to-beam ratios, uniformity, and spacing. Light engines are available in 3000 K (70 CRI min.), 4000 K (70 CRI min.) and 5000 K (70 CRI min.) configurations. Optional visors minimize uplight and reduce light trespass.

**ELECTRICAL**
Light engines consist of chip-on-board (COB) LEDs directly coupled to the housing to maximize heat dissipation and promote long life (100,000 hrs at 25°C, L83). Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. 10kV surge protection meets a minimum Category C low operation per ANSI/IEEE C62.41.2.

**INSTALLATION**
Integral adjustable slipfitter or yoke mounting assemblies facilitate quick and easy installation with a variety of mounting accessories. This secure connection enables the High Lumen LED Flood to withstand up to a 1.5 G vibration load rating per ANSI/IEEE C136.31.

**LISTINGS**
CSA certified to U.S. and Canadian standards. IP 66 rated for outdoor applications. Rated for -40°C minimum ambient conditions.
DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

**WARRANTY**
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.