



HLF1 & HFL2

High Lumen Floodlights

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Note: Product Specifications subject to change without notice.



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HLF High Lumen LED Floodlights



Defining the Opportunity

- **Replacements for 400W, 1000W and 1500W HID Floodlights**

With up to 106,000 lumens the Lithonia High Lumen Floodlight can replace HID luminaires without sacrificing illuminance.

- **Huge Install Base**

The Lithonia HLF products can replace the installed base of over 10 million 400W, 1000W and 1500W floods. Both yoke and slip fitter mounting options makes for easy one-for-one replacements.

- **Priced to Sell**

The Lithonia HLF's are priced to not only be competitive, but to also provide the financial paybacks customers desire.

Key Benefits

- **Energy Savings**

Delivering up to 73% in energy savings when replacing 400W and 1000W metal halide floodlights and 65% when replacing 1500W.

- **Maintenance Savings**

The combination of the short lamp life of 1000W metal halide (only 9,000 hours) and the typical high mounting heights of high wattage floods makes maintenance savings an important part of the HLF value proposition. The HLF expected service life is over 100,000 hrs.; saving up to ten expensive lamp changes.

- **Easy to Install**

With universal yoke and slip fitter mounting options, the Lithonia HLF's are easy to install, keeping total installed costs low.

1000W MH Replacement

Luminaire Package	TFA Flood 1000W MH	HLF2 LED		
		P1	P2	P3
Watts	1080W	327W	405W	494W
Initial Delivered Lumens (6x6)	70,810	47,158	57,022	67,000
Mean Delivered Lumens (40% of Life)	45,665	42,913	52,460	57,620
End of Life Delivered Lumens	38,911	39,612	47,898	54,270
LPW (Mean)	42 LPW	133 LPW	130 LPW	117 LPW
Lamp Life	9,000 hrs. (~2 yrs)	100,000 hrs.	100,000 hrs.	100,000 hrs.
Energy Savings (%)	-	73%	63%	54%

Just over
1 year

~50,000 hrs
or 10yrs

The Lumens You Need



HLF1

- 25,000 - 52,000 lumens
- 163W to 368W
- Replaces 400W to 1000W



HLF2

- 47,000 – 106,000 lumens
- 327W to 769W
- Replaces 1000W and 1500W

HLF1 Price and Performance

Power Package	P1	P2	P3	P4	P5
Lumens (5000K, WFL)	24,300	29,350	38,619	43,771	50,077
Watts	163W	203W	289W	342W	368W
LPW	149	145	134	128	136
Lumen Maintenance	>L87 @ 60,000 Hours				
DLC*	Premium!				
Replaces	400W or 1000W				

**DLC qualification pending*



- Now available with up to 50,000 lumens
- Replaces up to 1000W HID
- DLC premium standard

HLF2 Price and Performance

Power Package	P1	P2	P3	P4	P5	P6
Lumens (5000K, WFL)	47,158	57,022	67,000	79,328	90,202	102,136
Watts	327W	405W	494W	560W	650W	769W
LPW	144	141	136	142	139	133
Lumen Maintenance	>L82 @ 60,000 Hours					
DLC*	Premium!					
Replaces	1000W or 1500W					

**DLC qualification pending*



- Now available with over 100,000 lumens
- Replaces up to 1500W HID
- DLC premium standard

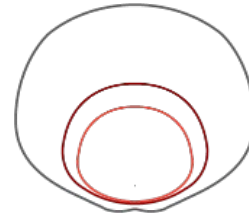
The Optics You Need



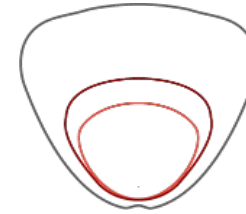
**HLF1 with
Reflector Optics
(WFL & MFL)**



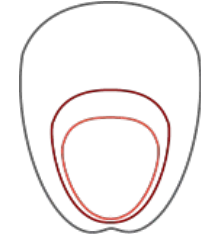
**HLF1 with
Silicone Hybrid Optics
(MNFL, NFL, SP & NSP)**



**Wide Flood
(WFL) at
45° Tilt**



**Medium Flood
(MFL) at
45° Tilt**



**Medium Narrow Flood
(MNFL) at
60° Tilt**



**Narrow Flood
(NFL) at
60° Tilt**



**Spot
(SP) at
80° Tilt**



**Narrow Spot
(NSP) at
80° Tilt**

HLF Hybrid Optics

Silicone Optic Technology

- Four distributions utilize patented hybrid silicone optic technology for concentrated distributions.
- The optics are molded to the inside of the glass lens maintaining the luminaire's profile.
- Hybrid optics beam patterns include:
 - 68° medium narrow wide flood (MNFL)
 - 43° narrow flood (NFL)
 - 29° spot (SP)
 - 18° narrow spot (NSP)

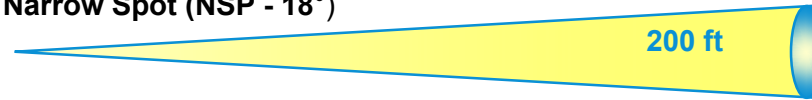


HLF Optics

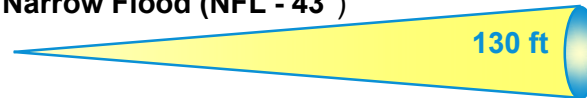
Provide light up close or far away!



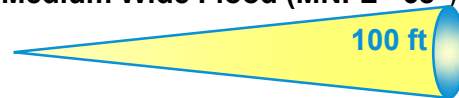
Narrow Spot (NSP - 18°)



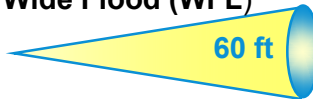
Narrow Flood (NFL - 43°)



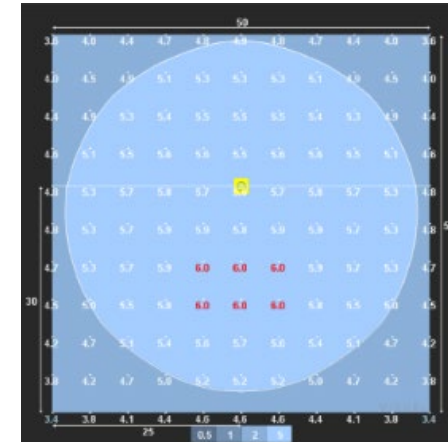
Medium Wide Flood (MNFL - 68°)



Wide Flood (WFL)

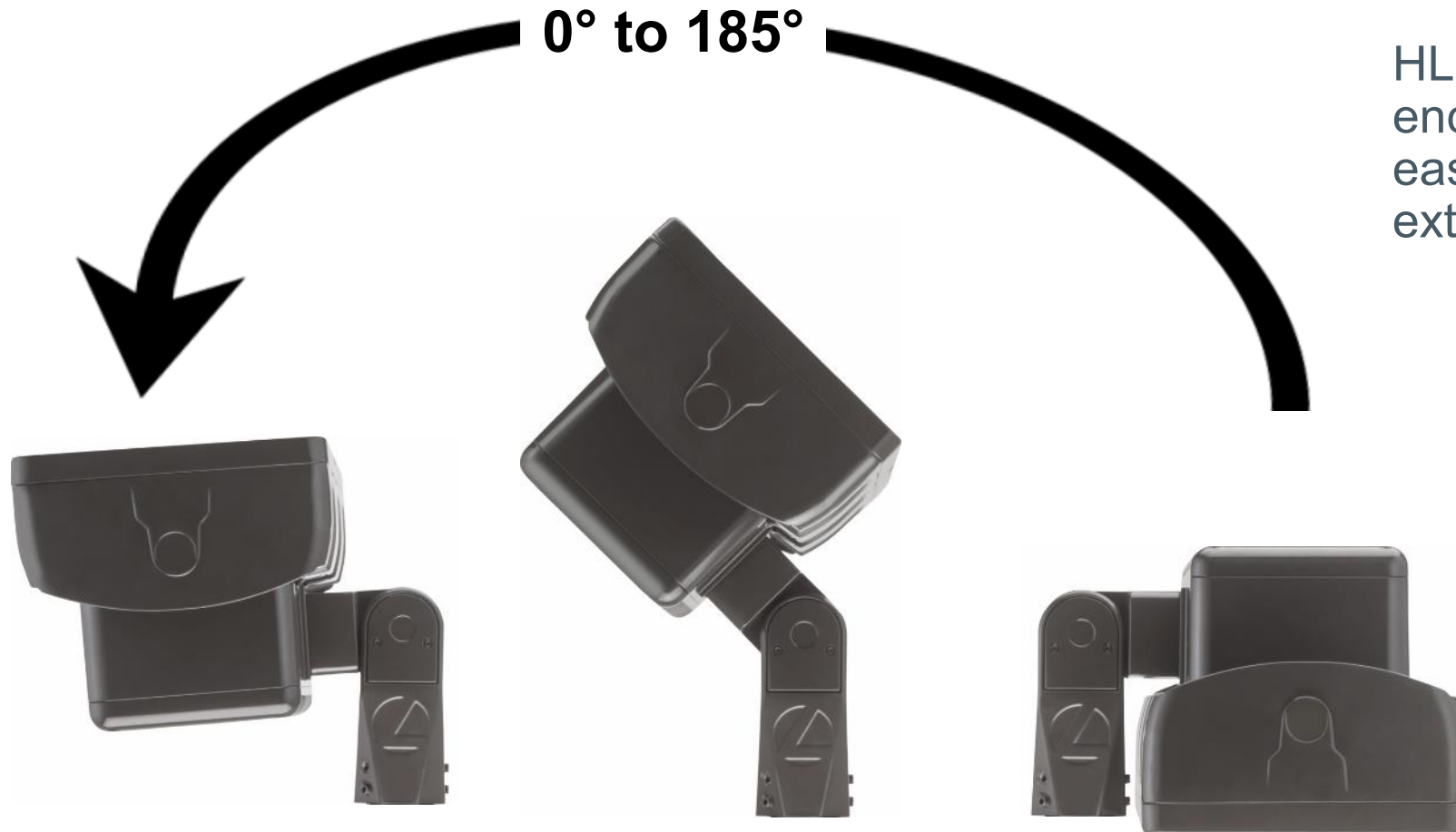


Distance Measurements – 5 fc Avg 



- HLF2 LED P3
- 50 x 50 ft surface
- Average 5 fc at target
- 30 ft mounting height

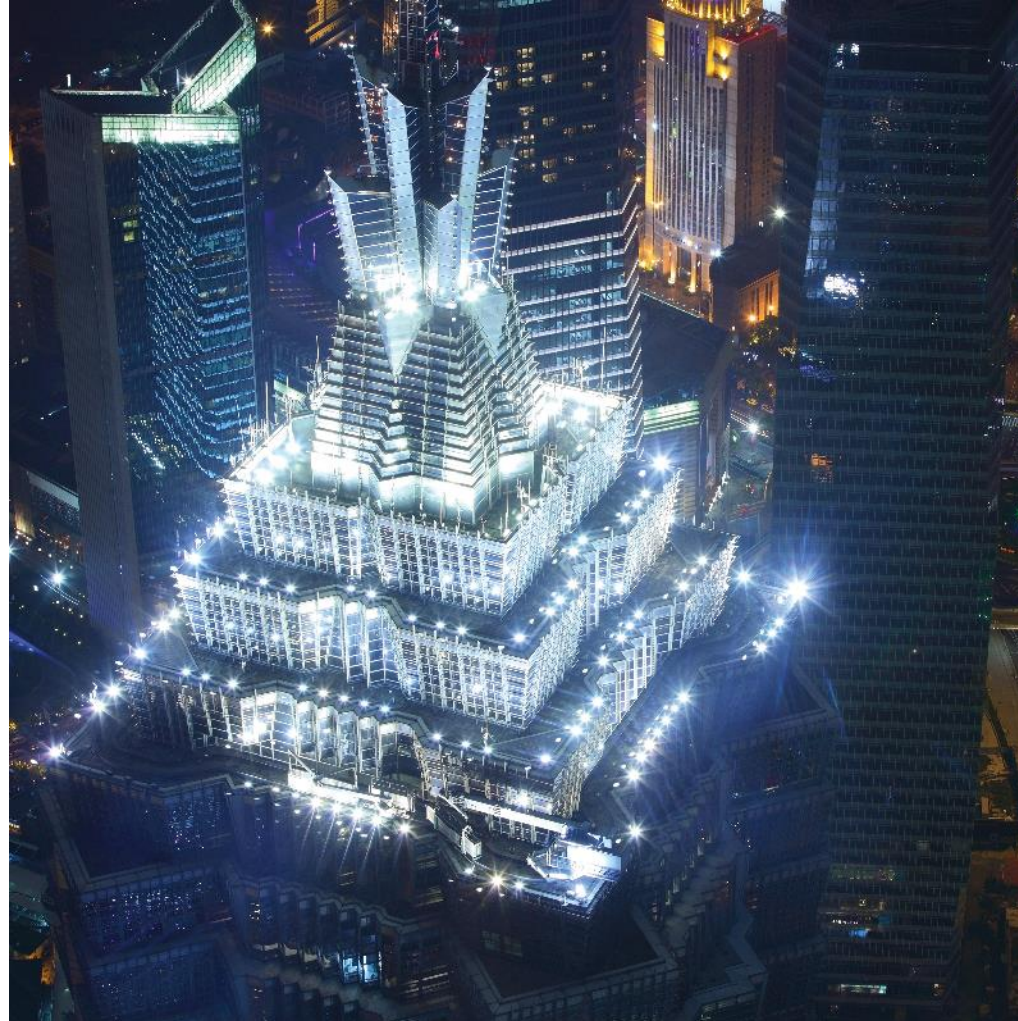
Full Range Tilt for Up-light Applications



HLF provides a glass lens enclosure that allows easy cleaning of the lens exterior

HLF with Adjustable Slipfitter (IS) Mount

So you can do this...



HLF Mountings

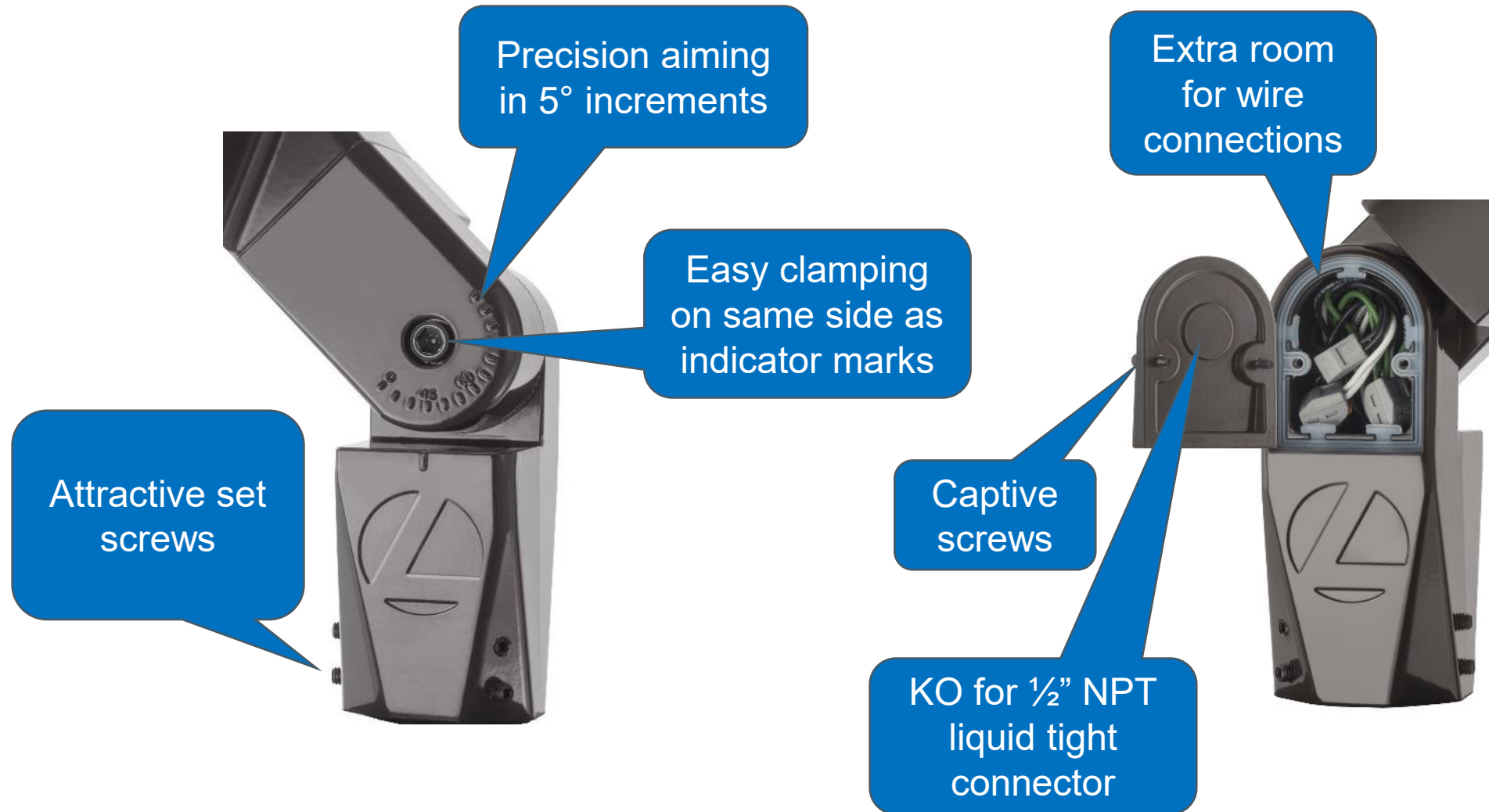


**Adjustable Slipfitter
(IS)**

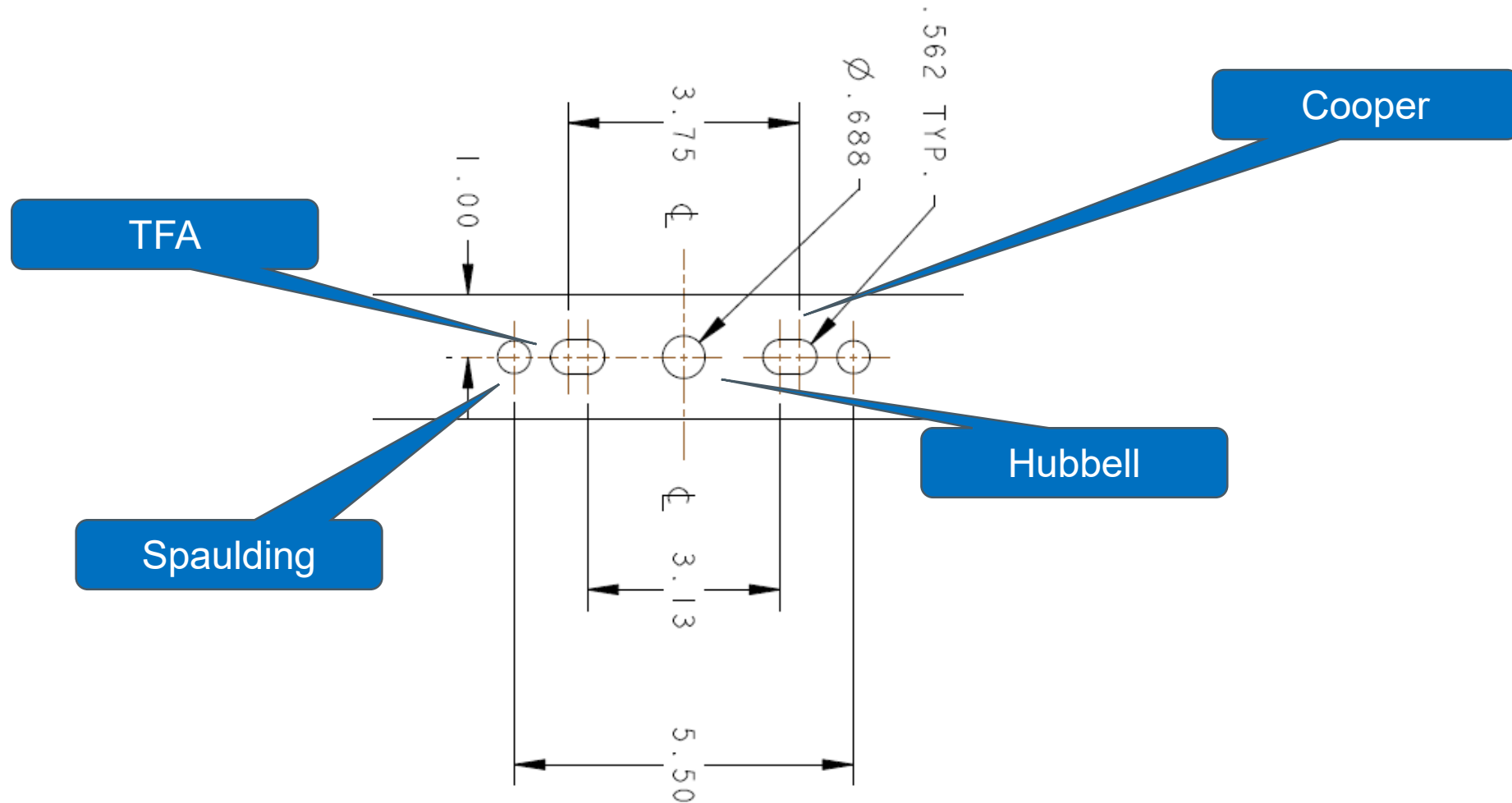


**Yoke Mount
(YKC64)**

(IS) Adjustable Slipfitter Mounting



(YK) Universal Yoke Mounting Pattern



HLF Accessories



**Upper Visor
(UV)**



**Bottom Visor
(BV)**



**Full Visor
(FV)**



**Wire Guard
(WG)**




**Vandal Guard
(VG)**



**Yoke Tenon Adaptor
(FTS CG6)**



Support Materials



HLF1
High Lumen LED Floodlight

Specifications


Size	13.5"
Depth	3.5"
Width	23.5"
Height	12.5"
Overall Height	24.5"
Weight	20 lbs

Ordering Information

Size	Part Number
HLF1	HLF1

Notes

- 1. See the product data sheet for more information.
- 2. See the product data sheet for more information.
- 3. See the product data sheet for more information.



HLF2
High Lumen LED Floodlight

Specifications

Size	13.5"
Depth	3.5"
Width	23.5"
Height	12.5"
Overall Height	24.5"
Weight	20 lbs

Ordering Information



Size	Part Number
HLF2	HLF2

Notes

- 1. See the product data sheet for more information.
- 2. See the product data sheet for more information.
- 3. See the product data sheet for more information.

HLF LED High Lumen Floodlight Product Updates

HLF High Lumen LED Floodlights



Introduction

The HLF LED family offers maximum versatility for high output floodlighting design and installation applications. LED product options offer vast design capabilities while delivering significant energy savings and long life. The HLF2 delivers 30,000 to 100,000 lumens allowing it to replace 1000W and 1500W HID floodlights.

The HLF features an adjustable integral aluminized reflector that allows the lumens to be mounted on a 2.5" x 2.5" mounting bracket. Integral components from construction, approved optics component allowing for fast, easy mounting and wiring without opening the electrical compartment. A dust proof mount with water-tight O-ring is also available.

Ordering Information

Size	Part Number	Description	Part Number	Part Number
HLF1	HLF1	HLF1	HLF1	HLF1
HLF2	HLF2	HLF2	HLF2	HLF2

Notes

- 1. See the product data sheet for more information.
- 2. See the product data sheet for more information.
- 3. See the product data sheet for more information.

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HLF1 & HLF2
High-Lumen LED Floodlights

You Can Light Anything

The HLF high-lumen floodlights from Lithonia Lighting are the ideal LED solution for replacing 400W to 1500W HID Floodlights by delivering what you need...a no-compromise solution that saves energy and lowers maintenance costs.

A No-Compromise Solution

With up to 100,000 lumens, the HLF high-lumen floodlight produces enough light to replace up to 1500W HID Floodlights with ease. Combine this power with easy mounting options, such as our adjustable aluminized reflector or pole mount, and you can retrofit any existing 1000W up to 1500W HID Floodlight installation. HLF also has the right set of photometric distributions to configure both new construction and complex large floodlighting applications.

Energy Savings

The HLF provides energy savings of up to 75% when replacing 1000W and 40% when replacing 1500W HID luminaires without sacrificing light levels. Greater energy savings can be achieved when combining with photocell and dimming.

Lower Maintenance Costs

With a life expectancy up to 20 years, the HLF is designed to save money. Eliminating up to ten expensive metal halide lamp changes over the life of the product, maintenance costs are virtually eliminated. This is especially important at hard-to-reach mounting heights where lamp-replacement is inconvenient and expensive.

Quick Facts:

- Replace 400W to 1500W HID Floodlights
- 25,000 to 100,000 lumens
- Super efficient - up to 154 LPW
- Six photometric distributions
- Adjustable aluminized reflector and pole mounting options
- Precision engineering (2" to 18")
- Made in North America
- 5-year warranty

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Spec Sheets

Customer Training
Presentation

Sell Sheet

One family does it all for high output specification floodlighting

- More lumens including 100,000 lumens +
- Up to 154 LPW = more energy savings
- Lumen packages to replace 400W to 1500W HID floodlights
- Six flood distributions
- Reflector and silicone hybrid optics
- Mountings: Yoke mount and new adjustable slipfitter designed for 2 3/8" OD tenon
- Full range aiming from 0° to 185°
- Made in North America
- Configurable products with the industries best lead time!





Thank You!