

Dialight

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Vigilant® LED Floodlight - CE

for Indoor and Outdoor Industrial Applications



On when it matters most.

Products and solutions that protect your business





Features & Benefits

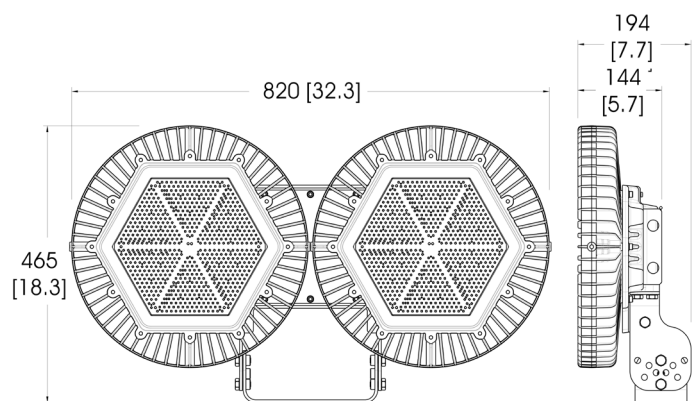
- 10 year warranty
- L70 rated for >100,000 hours @ 25°C ambient
- Universal input (120-277 VAC)
- Instant on/off
- Superior colour rendition index compared to HPS, LPS, MV
- Mercury free
- No UV or IR
- Resistant to shock and vibration
- Temperature compensation technology for longer life

Application

The Vigilant® LED Floodlight represents the future of energy efficient facility illumination for industrial applications worldwide. The lighting fixture consumes at least 50% less energy than traditional HID light sources, while reducing maintenance and carbon emissions. This product incorporates both cutting edge LED technology along with proprietary optics to achieve flood lighting comparable with other traditional light sources.

Vigilant® LED Floodlight - CE

Standard Models



Dimensions in mm (inches)

Certifications & Ratings

- CE
 - EN 55015
 - EN 61547
 - EN 60598
- EN 62031
- EN 62471
- IP66 to EN60529

Mechanical Information:

Fixture weight:	25.4 kg (56 lbs)
Shipping weight:	27.2 kg (60 lbs)
EPA (Sq.ft):	2.69
Mounting:	304 stainless steel trunnion mounting bracket included
Entries:	(2) M20 cable entries

Electrical Specifications:

Operating voltage:	120-277 VAC, 50/60Hz
Power consumption:	See table
Operating temp:	-40°C to +65°C (-40°F to +149°F)
Harmonics:	EN 55015 - conducted and radiated EN 61000-3-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-6 EN 61000-4-11
Surge protection:	6kV/2 ohm combination wave, as per IEEE C62.41, line-line and line-ground
THD:	< 20%
Power factor:	> 0.9

Construction:

Housing:	Copper-free aluminum
Finish:	Superior dual coat finish - Sealed polyester topcoat - Chemical-resistant epoxy primer
Lens :	Tempered glass

Photometric Information:

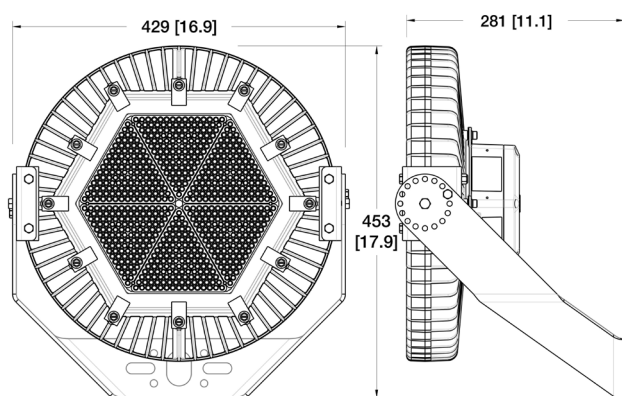
CRI:	80
CCT:	5000K (cool white) 4000K (neutral white)
Beam patterns:	100° x 65° 95° 35°
IES files:	Available at www.dialight.com

All values typical unless otherwise stated (tolerance +/- 10%)

¹For information on chemical compatibility, please follow this link to reference Dialight's Chemical Compatibility Guide:
www.dialight.com/pubs/MDTFCHEMRFLX001.PDF

Vigilant® LED Floodlight - CE

Standard Models



Dimensions in mm [inches]

Certifications & Ratings

- CE
EN 55015:2013
EN 61547:2009
EN 60598:2008
- IP66 to EN60529

Mechanical Information:

Fixture weight:	15.4 kg (30 lb)
Shipping weight:	17.7 kg (35 lb)
Mounting:	304 Stainless steel forward throw bracket
Entries:	(2) M20 cable entries

Electrical Specifications:

Operating voltage:	120-277 VAC, 50/60Hz
Power consumption:	See table
Operating temp:	-40°C to +65°C (-40°F to +149°F)
Harmonics:	EN 61000-3-2
Surge protection:	6kV/2 ohm combination wave, as per IEEE C62.41, line-line and line-ground
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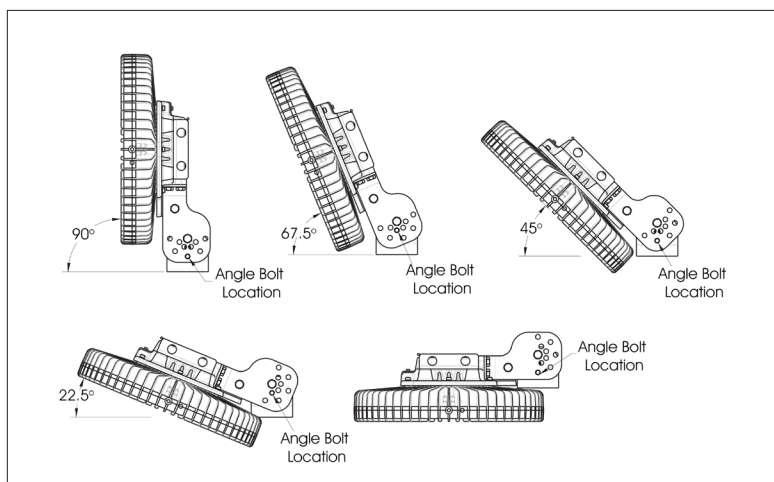
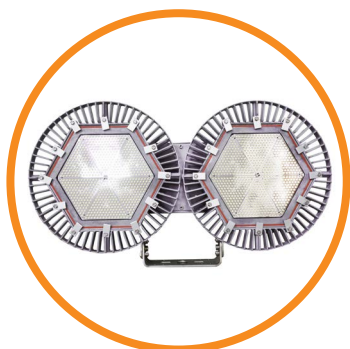
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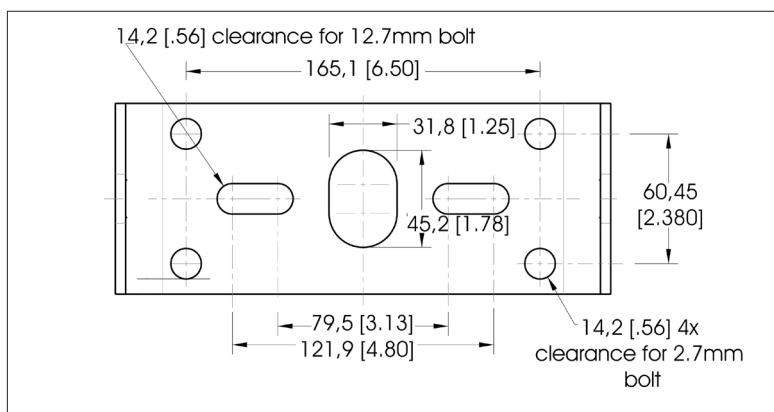
Vigilant® LED Floodlight - CE

Mounting Accessories and Dimensions

Dual Floodlight Mounting Options



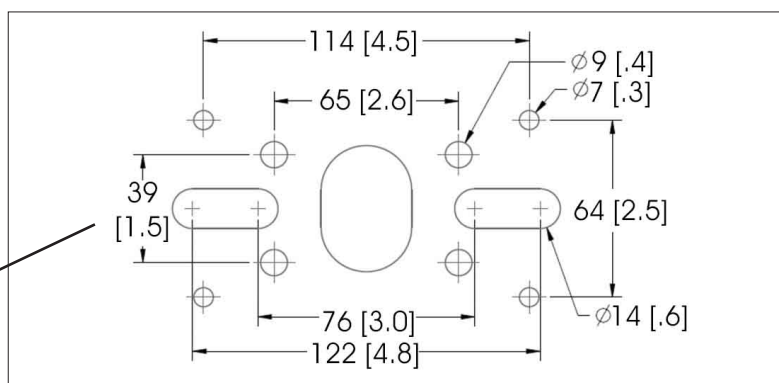
Factory installed mounting bracket dimensions



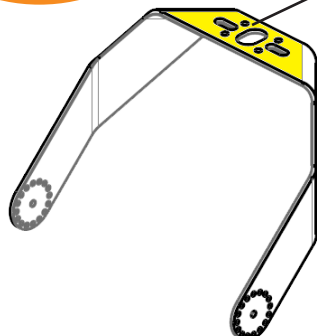
Dimensions in mm (inches)

Single Models

Factory installed mounting bracket dimensions



Dimensions in mm (inches)

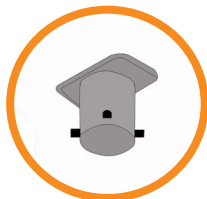


Vigilant® LED Floodlight - CE

Mounting Accessories

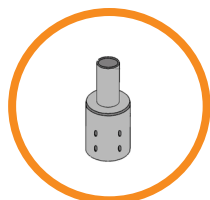
**HZXCBL2**

- Safety cable kit
- Kit includes: (2) Safety cables

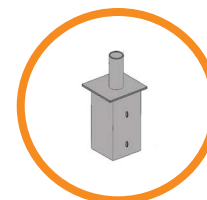
**FLX-1TPT-20DB¹**

- Tenon pole topper, 2-3/8" mount
- Kit includes: Tenon topper, pole set screws, and mounting hardware

¹Bracket and adapters require tenon adapter (FLX-1TPT-20DB) to mount floodlight. Tenon adapter is sold separately.

**FLX-3RPA-20DB****FLX-4RPA-20DB**

- Reducer for 3" or 4" OD round pole top to 2-3/8" light mount
- Kit includes: Reducer pole set screws

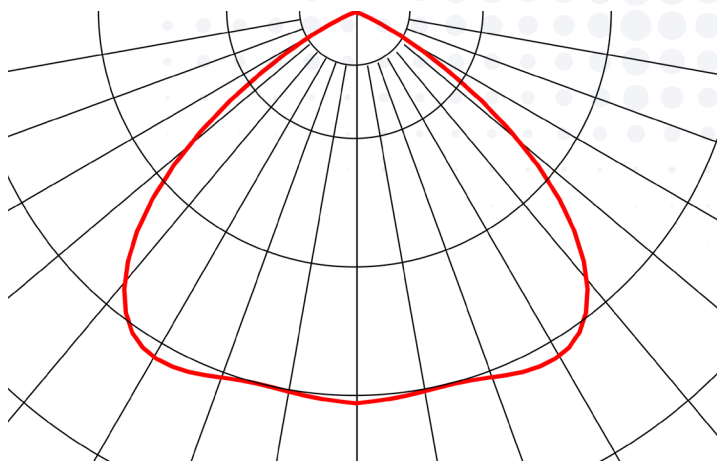
**FLX-4SPA-20DB****FLX-5SPA-20DB****FLX-6SPA-20DB**

- Internal tenon adapter for 4", 5" or 6" square pole top to 2-3/8" light mount
- Kit includes: Adapter

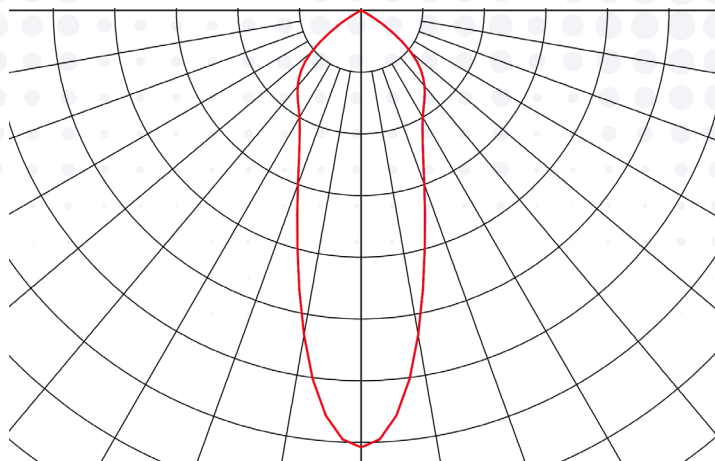
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Light Distribution Patterns

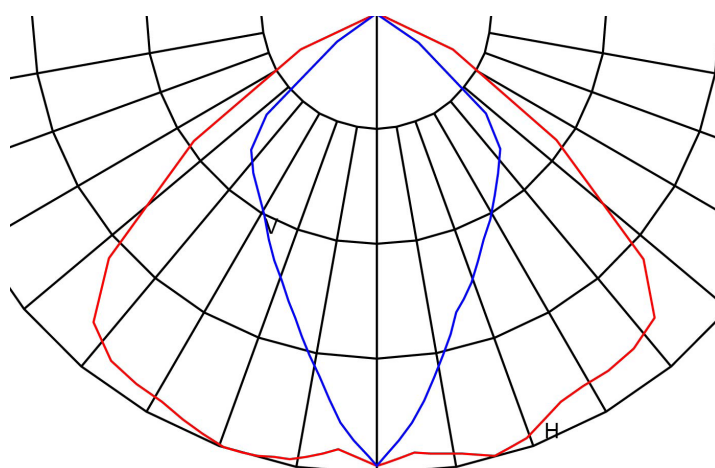
Beam Angle = 92°



Beam Angle = 35°



Beam Angle = 100° x 65°



Vigilant® LED Floodlight - CE

Ordering Information

Part Number	Fixture Lumens	Wattage	lm/W	IP Rating	Voltage	Colour Temperature (CCT)	Lens	Beam Angle	Field Angle
Dual Floodlight Models									
FLEB66MC2NG	56,000	385	145	IP66	120-277 VAC	5000K (cool white)	Clear Tempered Glass	35°	108°
FLEBM0MC2NG	54,000	385	140	IP66	120-277 VAC	5000K (cool white)	Clear Tempered Glass	92°	120°
FLEB76MC2NG	54,000	380	142	IP66	120-277 VAC	5000K (cool white)	Clear Tempered Glass	100° x 65°	135° x 105°
FLE966MC2NG	39,000	270	144	IP66	120-277 VAC	5000K (cool white)	Clear Tempered Glass	35°	108°
Single Floodlight Models									
FLE666HC2NG	28,000	190	147	IP66	120-277 VAC	5000K (cool white)	Clear Tempered Glass	35°	108°
FLE676HC2NG	27,000	190	142	IP66	120-277 VAC	5000K (cool white)	Clear Tempered Glass	100° x 65°	135° x 105°

All values typical unless otherwise stated, Lumen values are typical (tolerance +/- 10%).

