Dialight

Vigilant® LED Floodlight - CE

for Indoor and Outdoor Industrial Applications

CE

MARCH 2021

Features & Benefits

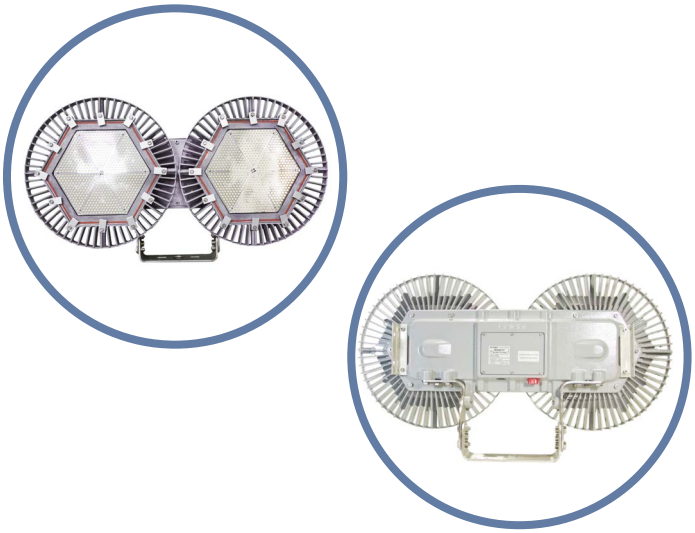
- 10 year warranty
- L70 rated for >100,000 hours @ 25°C ambient
- Instant on/off operation
- Universal input (100-277 VAC)
- Superior color rendition index compared to HPS, LPS, MH
- Mercury free
- Resistant to shock and vibration
- Temperature compensation technology for longer life
- Safety tabs provided for secondary retention

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 light incorporates both cutting edge LED technology along with proprietary optics to achieve flood lighting comparable with other traditional light sources.

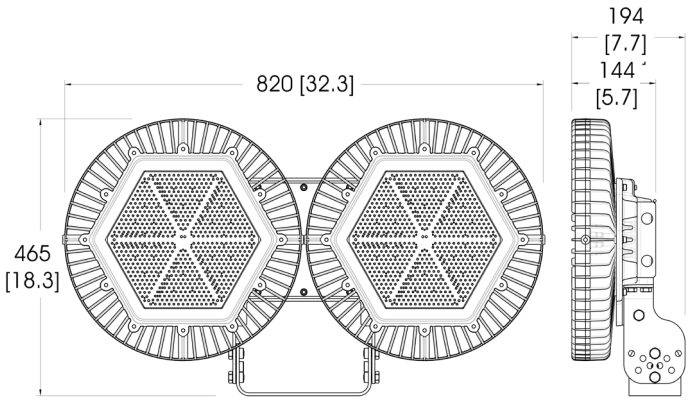
Vigilant® LED Dual Floodlight - CE

Standard Models



Certifications & Ratings

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



Dimensions in mm [inches]

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%)

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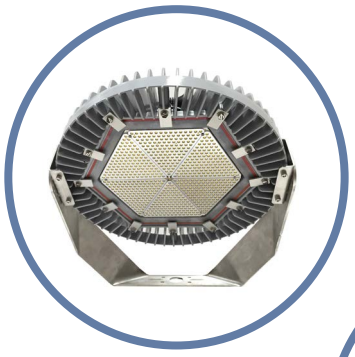
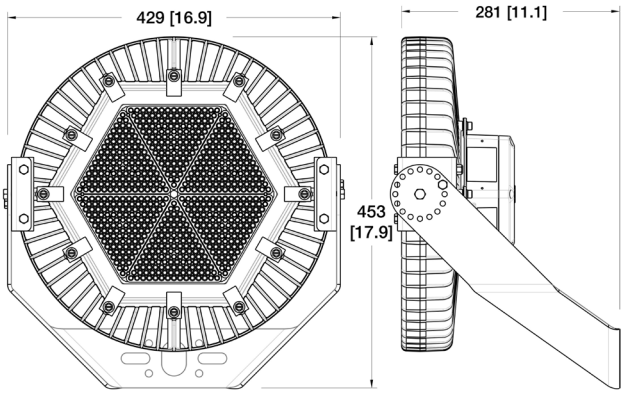


Certifications & Ratings

- EN 60598-1:2015,
  EN 60598-2-1:1989
  IEC 60598-1:2014,
  IEC 60598-2-1:2020
  EN 55015:2019
  EN 61547:2009
- IEC60068
  Salt spray testing - severity 1
- IP66 to EN60529
- IK05 to EN50102
- D-Marking to EN 60598-2-24:2013
- L70 < 150,000 hours @ 25°C ambient



Dimensions in mm [inches]

Mechanical Information:

Fixture weight:	15.4 kg (30 lb)
Shipping weight:	17.7 kg (35 lb)
Mounting:	304 Stainless steel forward throw bracket
Entries:	(3) M25 cable entries

Electrical Specifications:

Operating voltage:	100-277 VAC, 50/60Hz, 120-250 VDC
Power consumption:	See table
Operating temp:	-40°C to +65°C (-40°F to +149°F)
Harmonics: :	EN 61000-3-2
Surge protection:	100-277 VAC models tested to withstand up to 8kV/4kA per IEEE C62.41
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°
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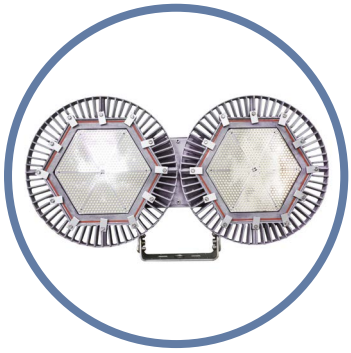
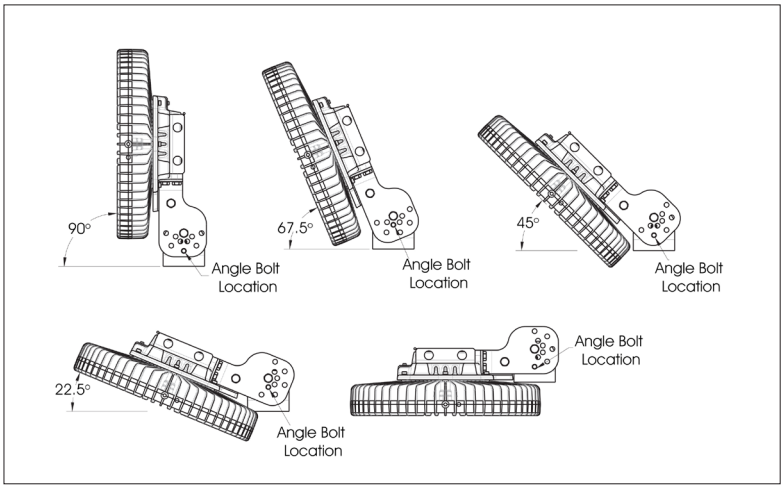
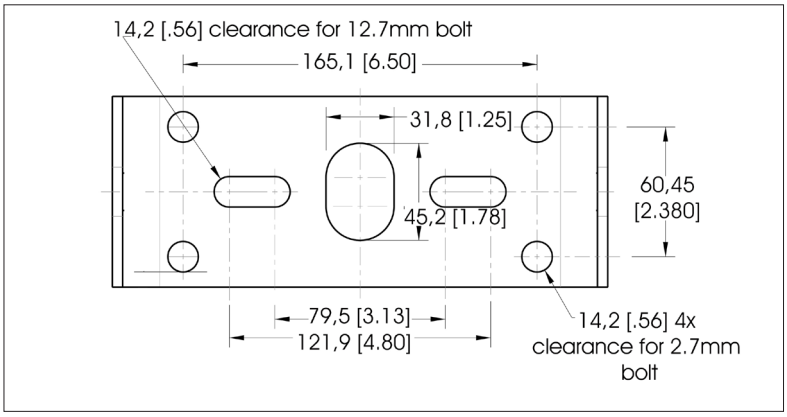
Mounting Accessories and Dimensions

Dual Floodlight Mounting Options



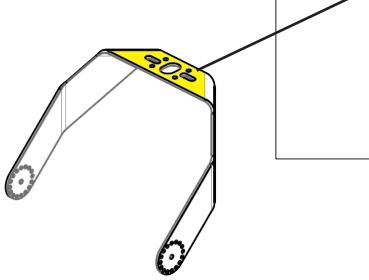


Factory installed mounting bracket dimensions

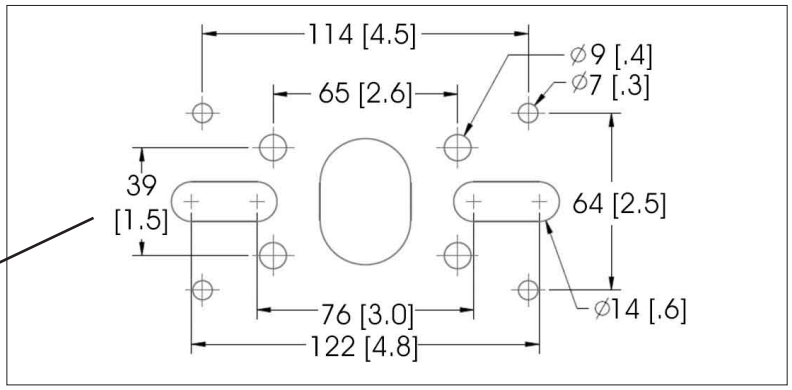


Dimensions in mm (inches)

Single Models



Factory installed mounting bracket dimensions



Dimensions in mm (inches)

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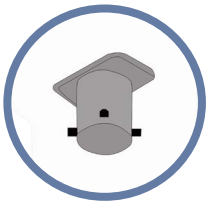
Mounting Accessories & Beam Distribution Patterns

HZXCBL2

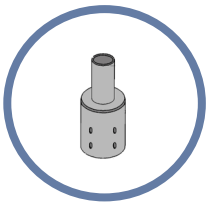
- Safety cable kit
- Kit includes: (2) Safety cables



FLX-1TPT-20DB[1]

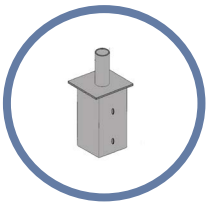
- Tenon pole topper, 2-3/8" mount
- Kit includes: Tenon topper, pole set screws, and mounting hardware

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



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

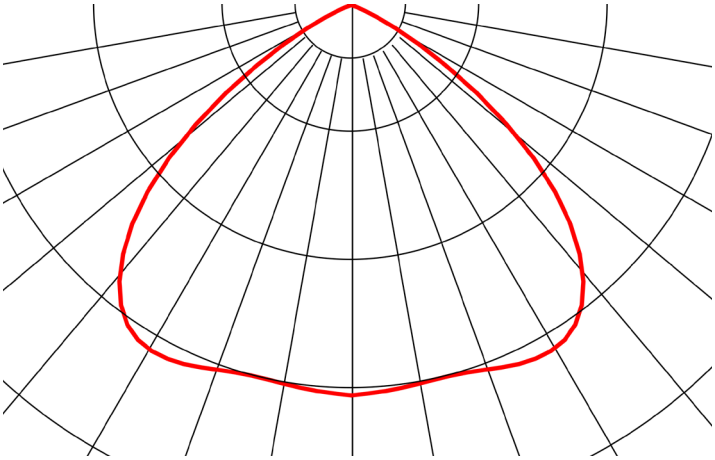
- Reducer for 3" or 4" OD round pole top to 2-3/8" light mount
- Kit includes: Reducer pole set screws



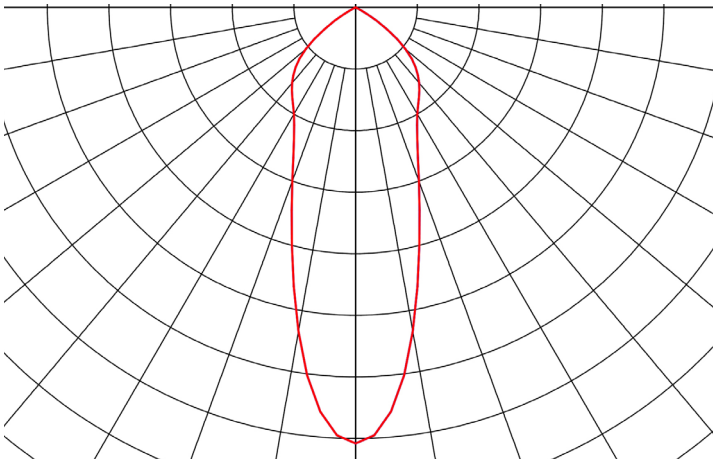
FLX-4SPA-20DB
FLX-5SPA-20DB
FLX-6SPA-20DB

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

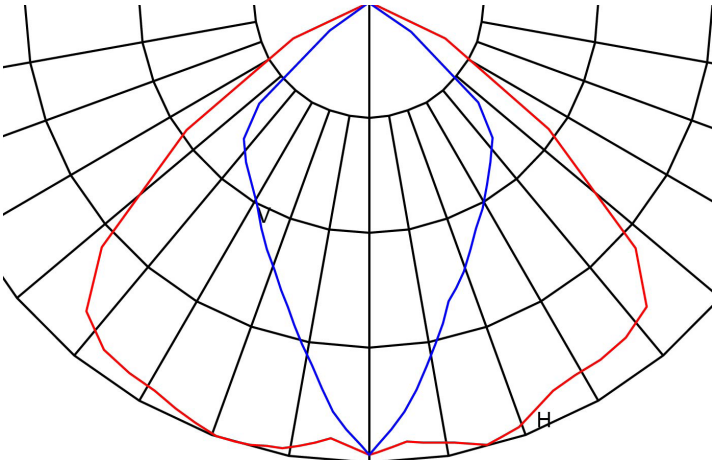
Beam Angle = 92°



Beam Angle = 35°



Beam Angle = 100° x 65°



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Ordering Information

Part Number	Fixture Lumens	Wattage	lm/W	IP Rating	Voltage	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	27,500	185	149	IP66	100-277 VAC	5000K (cool white)	Clear Tempered Glass	35°	108°
FLE676HC2NG	26,400	185	143	IP66	100-277 VAC	5000K (cool white)	Clear Tempered Glass	100° x 65°	135° x 105°

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Dialight Europe Ltd
Leaf C, Level 36, Tower 42
25 Old Broad Street
London, EC2N 1HQ, United Kingdom
Tel: +44 (0) 203 058 3540
Customer Service: +44 (0) 163 866 6541
sales-emea@dialight.com

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