

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

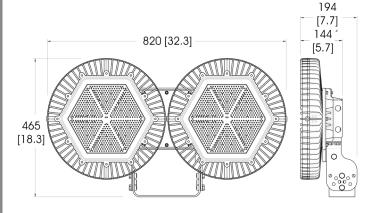
Application

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.

Standard Models







Dimensions in mm (inches

Certifications & Ratings

CE EN 62031
 EN 55015 EN 62471

● IP66 to EN6052

EN 60598

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: $-40^{\circ}\text{C} \text{ to } +65^{\circ}\text{C} \text{ (-}40^{\circ}\text{F to } +149^{\circ}\text{F)}$

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 aluminumFinish:Superior dual coat finish

Sealed polyester topcoat
 Chemical-resistant epoxy primer

Lens¹: Tempered glass

Photometric Information:

CRI: 80

CCT: 5000K (cool white)

4000K (neutral white)

Beam patterns: 100° x 65°

95° 35°

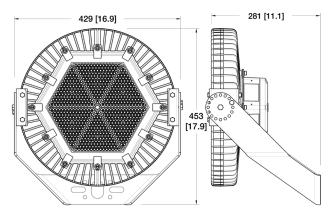
IES files: Available at www.dialight.com

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

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

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

oracket

Entries: (2) M20 cable entries

Electrical Specifications:

Operating voltage: 120-277 VAC, 50/60Hz

Power consumption: See table

Operating temp: $-40^{\circ}\text{C to } +65^{\circ}\text{C } (-40^{\circ}\text{F to } +149^{\circ}\text{F})$

Harmonics: EN 61000-3-2

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 notivester tonco

Sealed polyester topcoatChemical-resistant epoxy primer

Lens¹: Tempered glass

Photometric Information:

CRI: 80

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Beam patterns: $100^{\circ} \times 65^{\circ}$

95° 35°

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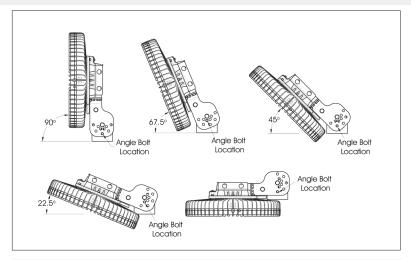
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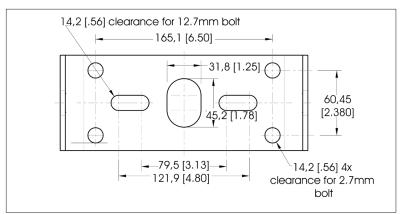
Mounting Accessories and Dimensions

Dual Floodlight Mounting Options



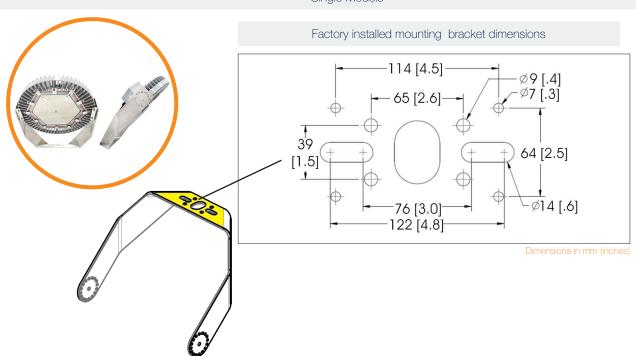


Factory installed mounting bracket dimensions



Dimensions in mm (inches

Single Models



Mounting Accessories



HZXCBL2

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



FLX-1TPT-20DB

- 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

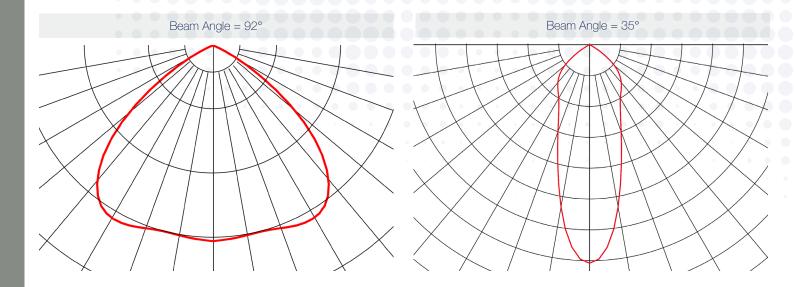
- Reducer for 3" or 4" OD round pole top to 2-3/8" light mount
- Kit includes: Reducer pole set screws

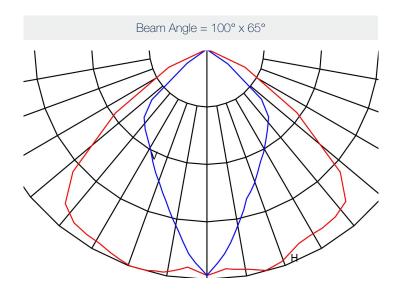


FLX-4SPA-20DB FLX-5SPA-20DB FLX-6SPA-20DB

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

Light Distribution Patterns





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°
FLEBMOMC2NG	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%).

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