



Dialight® LED Obstruction

Technical Specification Sheet: Medium Intensity Dual Red/White

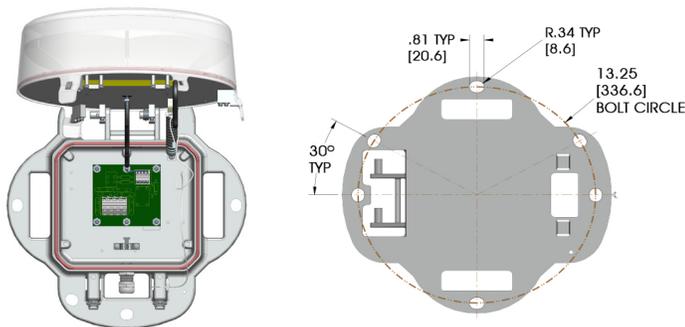
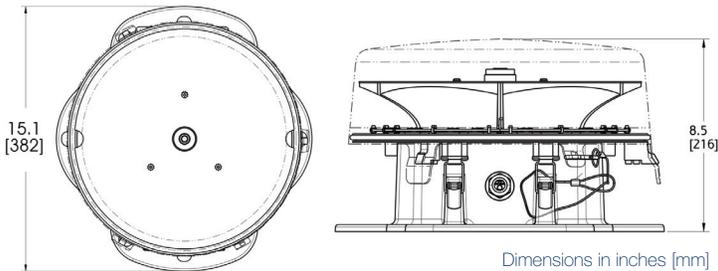
Vigilant® LED Strobe

Medium Intensity (White/Red)



Certifications & Ratings

- 5 year warranty
- FAA AC 150/5345-43H
- FAA AC 70/7460-1L
- FAA Engineering Brief 67D
- ICAO Annex 14
- Transport Canada CAR 621.19
- RCM
- CE



FAA L-865/L-864 / ICAO Medium Type A, B & C

Mechanical Information:

Weight:	21 lbs (9.5 kg)
Mounting Details:	Standard FAA 3 hole & 4 hole pattern
Impact Rating:	IK10
Protection Rating:	IP66
Included Hardware:	1/2" NPT cable gland, mounting kit (bolts, nuts, etc.)
Cable Entry Size:	1/2" NPT
Aerodynamic Wind Area:	0.6 ft ²

Electrical Specifications:

Operating Temperature:	-40°F to +131°F (-40°C to +55°C)
Power Factor:	> 0.9

Power Consumption:

Day (White):	36 W (System = 75 W)
Night (White):	4 W (System = 10W)
Night (Red):	12 W (System = 25 W)
Night (Red-IR Model):	15 W (System = 28 W)

Input Current:	120-277 VAC, 50/60 Hz (1.6 A peak) 48 VDC (2.2 A peak)
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Construction:

Housing Material:	Powder coated, copper-free, marine grade aluminum
Lens Hardware:	Polycarbonate, UV stabilized & hard coated
Mounting (Two Sets):	Hot dipped galvanized & stainless steel
Latches:	Stainless steel

Photometric Information:

Flash Intensity (nominal):

Day (White):	20,000 cd
Night (White):	2,000 cd
Night (Red):	2,000 cd
IR Wavelength:	850nm

Flash Rate:

Day (White):	40 flashes per min.
Night (White):	40 flashes per min.
Night (Red):	20/30/40 flashes per min.
IR Pulse Rate:	20/30/40 flashes per min.

Expected Lamp Life	100,000 hours (approx. 10 years)
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All values typical unless otherwise stated (tolerance +/- 10%)

Vigilant® LED Marker

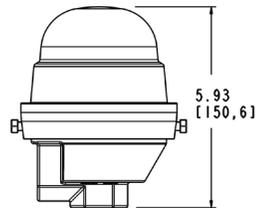
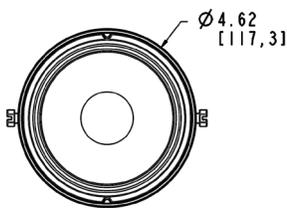
Low Intensity (Red)



Certifications & Ratings

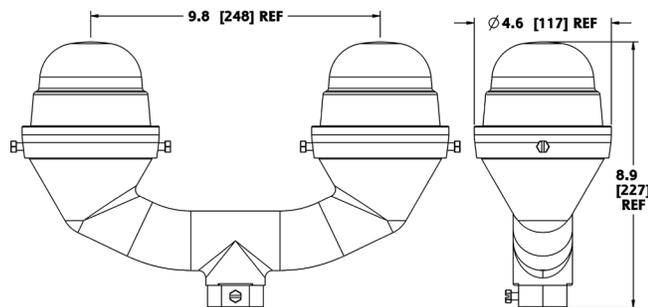
- 5 year warranty
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- FAA AC 70/7460-1L
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- CE

Single Fixture



Dimensions in inches [mm]

Dual Fixture



Dimensions in inches [mm]

FAA L-810 / ICAO Low Type B+E

Mechanical Information:

Weight:	Single unit - 2.00 lbs (0.91 kg) Dual unit - 4.60 lbs (2.09 kg)
Mounting Details:	NPT 3/4" and 1" NPT
Impact Rating:	IK10
Protection Rating:	IP66
Included Hardware:	1" NPT plug
Cable Entry Size:	NPT 3/4" and 1" NPT
Aerodynamic Wind Area:	0.15 ft ²

Electrical Specifications:

Operating Temperature: -40°F to +131°F (-40°C to +55°C)

Power Factor: > 0.9

Power Consumption:

Standard

Single & Dual Units - 1.5W nominal (DC version)
6.5W nominal (AC version)

IR Models

Single & Dual Units - 5.0 W (DC version)
5.5 W (AC version)

Input Current: 120-240 VAC, 50/60 Hz (55mA nominal)
12-48 VDC (63mA nominal)

Photometric Information:

Flash Intensity (nominal):

Night (Red): 32 cd
IR Wavelength: peak @ 850nm

Flash Rate:*

Night (Red) 20/30/40 flashes per min
IR Pulse Rate 20/30/40 flashes per min

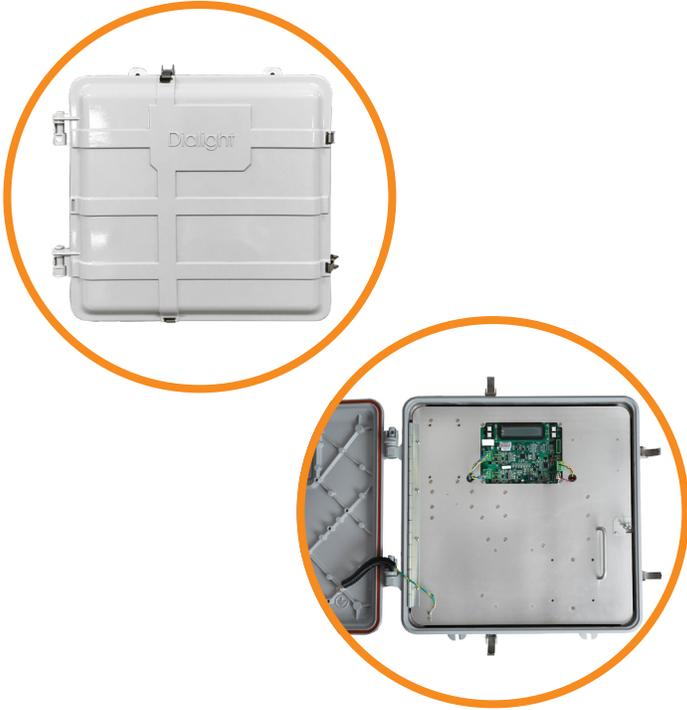
Expected Lamp Life 100,000 hours (approx. 10 years)

*Can also operate as steady burn

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

Vigilant® LED Controller

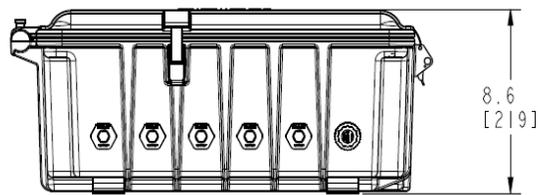
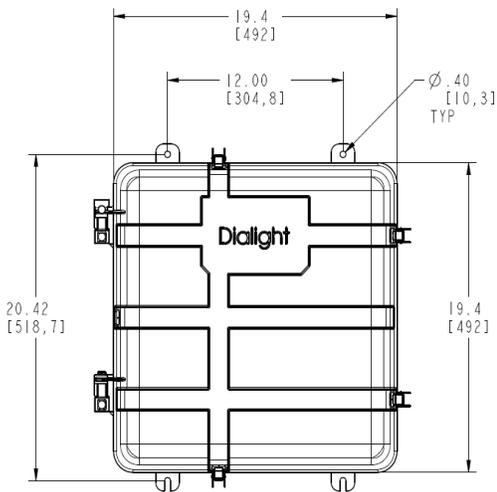
Medium Intensity (White/Red)



Controller:

- Weight:** 49.5 lbs (22.5 kg)
- Operating Temperature:** -40°F to +131°F (-40°C to +55°C)
- Protection Rating:** IP66, NEMA 4X
- Material:** Powder coated, copper-free, marine grade aluminum
- Cable Entry:** Size: 3/4" NPT
Number of openings: 6
- Included Hardware:** 3/4" NPT cord grips & plugs
- Configurable Options:** Set the Tower Style ex. E2
Flash rates
Conduct lighting
Inspections

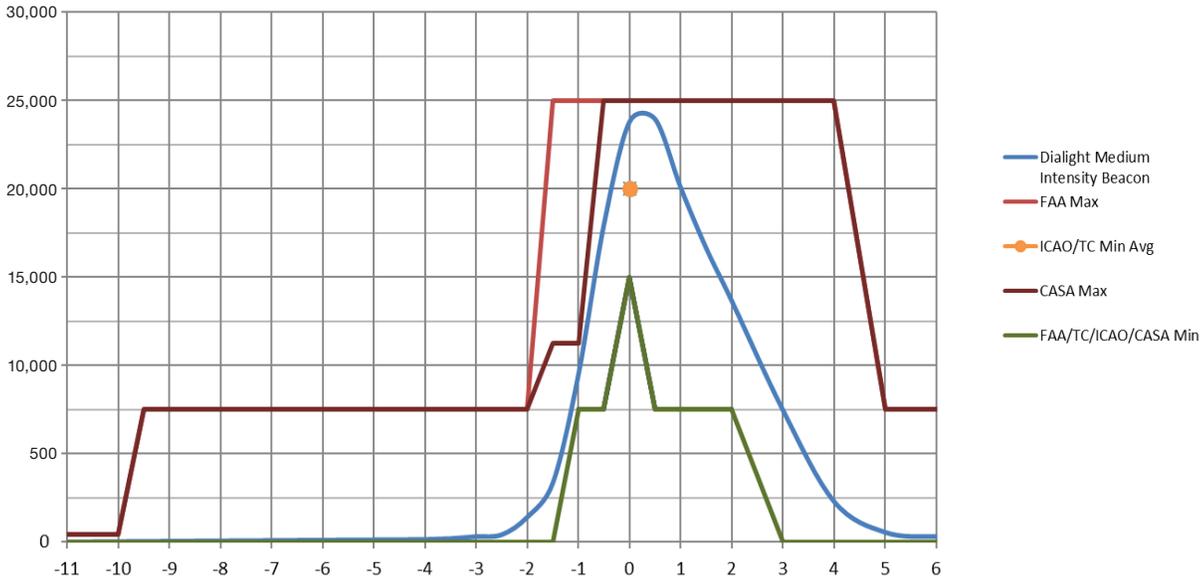
All values typical unless otherwise stated (tolerance +/- 10%)



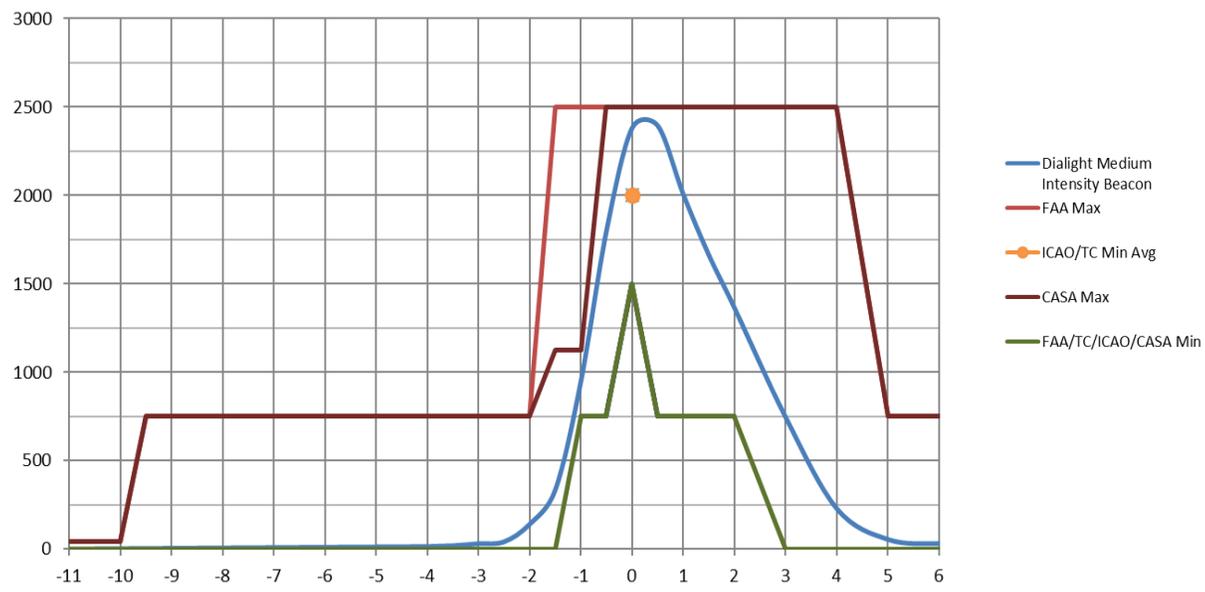
Dimensions in inches [mm]

Light Output Charts

Medium Intensity Dual Strobe - White Day

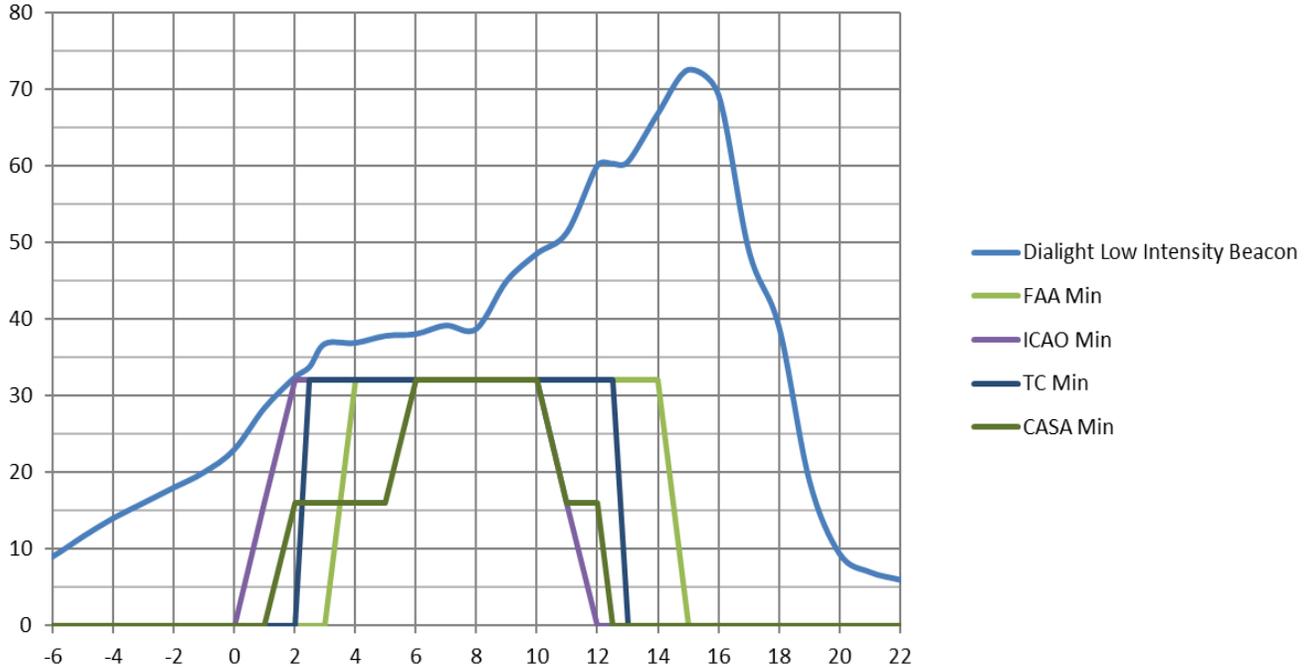


Medium Intensity Dual Strobe - White/Red Night

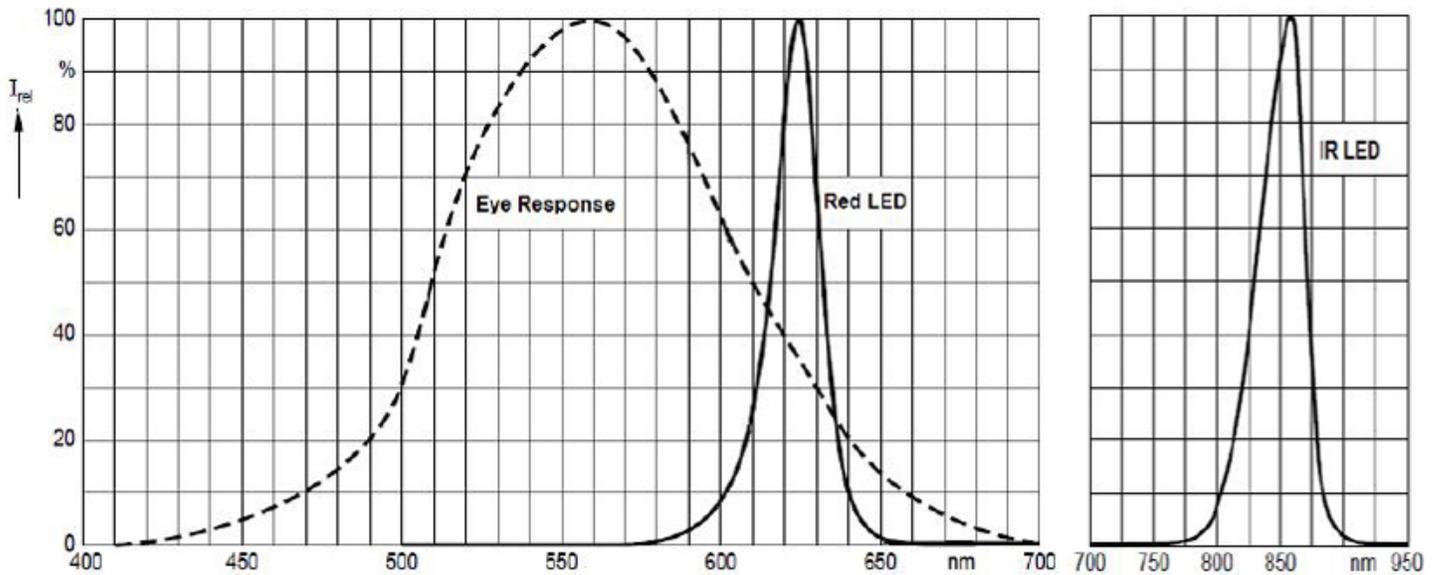


Light Output Charts

Low Intensity (Red) Beacon



Infrared Wave Length



Ordering Information

Flash Head (L-864/ L-865)

Part Number	Description
D1RWFH409	Dual Red/White Medium Intensity Flash Head
D1CWFH409	Dual Red/White Medium Intensity Flash Head w/ IR*

Side Markers (L-810)

Input	Part Number	Description
12-48 VDC	RTO1R18001	L-810 Low Intensity Side Marker: DC Input
12-48 VDC	RTOCR08001	L-810 Low Intensity Side Marker w/ IR: DC Input*
120-240 VAC	RTO1R07001	L-810 Low Intensity Side Marker: AC Input
277 VAC	RTO1R06001	L-810 Low Intensity Side Marker: AC Input
120-240 VAC	RTOCR07001	L-810 Low Intensity Side Marker w/ IR: AC Input*

Controllers

Input	Part Number	Description
48 VDC	D1RWCTR449	Dual Red/White Medium Intensity Controller: DC Input
48 VDC	D1CWCTR449	Dual Red/White Medium Intensity Controller w/ IR: DC Input
120-277 VAC	D1RWCTR409	Dual Red/White Medium Intensity Controller: AC Input
120-277 VAC	D1RWCTR409GPS	Dual Red/White Medium Intensity Controller GPS : AC Input
120-277 VAC	D1CWCTR409	Dual Red/White Medium Intensity Controller w/ IR: AC Input

Power Supply

Input	Part Number	Description
48 VDC	D1RWPS9449	Dual Red/White Medium Intensity Power Supply: DC Input
48 VDC	D1CWPS9449	Dual Red/White Medium Intensity Power Supply w/ IR: DC Input
120-277 VAC	D1RWPS9409	Dual Red/White Medium Intensity Power Supply: AC Input
120-277 VAC	D1CWPS9409	Dual Red/White Medium Intensity Power Supply w/ IR: AC Input

Photocell

Part Number	Description
D2566000PEC	Photocell: Single 3/4" NPT Entry
D2566001PEC	Photocell: Double 3/4" NPT Entry (for use with GPS Antenna)

GPS Antenna

Part Number	Description
D1RWANT01	GPS Antenna

*Optically compliant to FAA Engineering Brief 98

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