Vigilant® LED High Bay- UL / CSA

100-277V Model

Mechanical Information:

Fixture weight:
20 lbs (9 kg)

Shipping weight:
26 lbs (12 kg)

Mounting:
3/4" NPT or Hook

Wiring Box Cable Entries:
(2x) 3/4" NPT

Corded Models 100-277V
Patent pending

Mechanical Information:

Fixture weight:
18 lbs (8.16kg)

Shipping weight:
24 lbs (10.8kg)

Mounting:
3/4" NPT - top
Various Kits (see page 21)

Power Cord:
18 AWG STOOW

Passive Power Supply 347V, 480V
Patent pending

Mechanical Information:
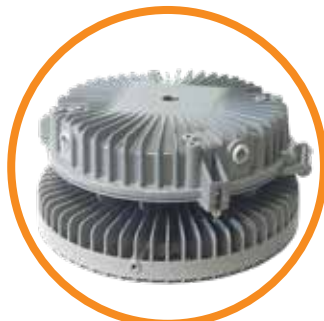
Fixture weight:
40 lbs (18 kg)

Shipping weight:
45 lbs (20 kg)

Mounting:
3/4" NPT - top
Various Kits (see page 22)

Wiring Box 347-480V

Mechanical Information:

Fixture weight:
34 lbs (15.4 kg)

Shipping weight:
39 lbs (17.7 kg)

Mounting:
3/4" NPT - top
Various Kits (see page 22)

Wiring Box Cable Entries:
(4x) 3/4" NPT

Certifications & Ratings:

UL 1598/A (wet locations)	CSA C22.2 No. 250.0-08
UL 8750	NEMA 4X
IP66/67 (100-277 Models)	IP66 (347/480V Models)

Variable Dimming:

Variable Dimming Control: 0 - 10 V D C

Dimming Range:
10V DC = 100% light output
0V DC = <5% light output

Occupancy Sensor:

Mounting Height:	Up to 40ft
Ingress Protection:	IP66

Electrical Specifications:

Operating Voltage:

100 - 277V AC	347-480V AC
347V AC	480 VAC
120-250 V DC	

Total system power consumption: See table

Operating Temp: -40°F to +149°F (-40°C to+65°C)

Harmonics: IEC 61000-3-2

Noise requirement /EMC: FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz

Transient protection: Protection devices capable of handling up to 10kv. Tested for 10kv/2 ohm combination wave, as per IEEE C62.41, line-line and line ground

THD: <20%

Power Factor: > 0.9

Fusing: Internal

Construction:

Housing: Copper free aluminum

Finish:
Superior dual coat finish
Sealed polyester topcoat
Chemical resistant epoxy primer

Lens: See table

Photometric Information:

CRI: 80

CCT:
5000K (cool white)
4000K (neutral white)
2700K (warm white)

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

For information on chemical compatibility, please follow this link to reference Dialight's Chemical Compatibility Guide at www.dialight.com

Wiring Box with Occupancy Sensor

Mechanical Information:

Fixture weight:
21 lb (9.6 kg)

Shipping weight:
27 lb (12.3 kg)

Mounting:
3/4" NPT or Hook

Wiring box cable entries:
3/4" NPT

Dialight

Project Information

Part Number:	
Project:	
Fixture Type:	Date:

Notes

Specifications

Vigilant® LED
High Bay- UL / CSA

100-277V, 347V-480V

Ordering Information

	-	U	-		-		-		-		-		-		-		-		-		-	N

Product Code | Cert. | Lens Material | Beam Dist. | CCT & CRI | Oper. Voltage | Lumen Type | Controls | Mounting Options | Power Cable | Elect. Access. | Coatings | No Option

Product Code

HC	High Bay Integrated Pendant Wiring Box
HE	High Bay 3/4" NPT
HW	Integrated hexagon wiring box

Certification

U	UL 1598/A, CSA

Lens Material

2	Acrylic - Clear
3	Acrylic - Diffused
4	Polycarbonate - Clear
5	Polycarbonate - Diffused
7	Glass - Clear
8	Glass - Diffused
L	Polycarbonate Dome - Diffused
R	Power Wash Glass, Clear
S	Power Wash Glass, Diffused
T	Power Wash Acrylic, Clear
U	Power Wash Acrylic, Diffused
V	Power Wash Polycarbonate, Clear
W	Power Wash Polycarbonate, Diffused
Z	Power Wash Polycarbonate Dome, Diffused

Beam Distribution

E	Oval
M	Medium
N	Narrow
W	Wide

CCT & CRI

C	Cool White 5000K - 80 CRI
N	Neutral White 4000K - 80 CRI
W	Warm White 2700K - 80 CRI

Operating Voltage

2	100 - 277 VAC / 120 - 250 VDC
A	347-480 VAC Step Down Transformer (HE only)
P	480V AC (HE passive only)
Q	347V AC (HE passive only)

Lumen Type

A	11,000 Lumens
B	14,000 Lumens
C	18,000 Lumens
E	26,000 Lumens

Controls

D	Dimming (0-10V)
N	No option (Passive only)
M	Occupancy Sensor

Mounting Options

H	Hook
N	Pendant 3/4" NPT
P	Pendant 3/4" NPT with Safety Retention Tabs
R	Safety Retention Tabs with Hook

Power Cable

N	No Cord
T	1.5' [0.5 meter] Power Cable
U	3' [1 meter] Power Cable
V	6' [1.8 meter] Power Cable
W	10' [3 meter] Power Cable

Electrical Accessories

2	Plug NEMA Type 5-15 (Non Dimmable)
3	Plug NEMA Type L5-15 (Non Dimmable)
4	Plug NEMA Type L5-20 (Non Dimmable)
5	Plug NEMA Type L5-30 (Non Dimmable)
6	Plug NEMA Type L6-15 (Non Dimmable)
7	Plug NEMA Type L6-20 (Non Dimmable)
8	Plug NEMA Type L7-15 (Non Dimmable)
9	Plug NEMA Type L7-20 (Non Dimmable)
H	Connector Reloc OCS12010WH (Non Dimmable)
J	Connector Reloc OCS20810WH (Non Dimmable)
K	Connector Reloc OCS27710WH (Non Dimmable)
L	Plug NEMA Type L8-20 (Non Dimmable)
N	Standard No Plug
P	Connector ACS (AFCWEB) 2CEA (Non Dimmable)
Q	Connector ACS (AFCWEB) C1LA11 (Non Dimmable)

Coatings

G	Gray (RAL 7040)

Notes

1) Passive only available with **HE** product code and medium optics. Not available with controls options.
2) Operating Voltage A - 347/480 VAC will ship with wiring box and transformers. Choose **HE** prefix for this option. For 480 VAC add 12W, for 347 VAC add 29W.
3) Lumen type based on using a glass lens. See tables for lumens when changing lenses on page 16-17.
4) When ordering occupancy sensor, use prefix **HC**.
5) HC & HW prefixed models have the ability to add wireless & DALI controls