

Dialight



Dialight® LED High Bay

Technical Specification Sheet - UL

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 ST00W



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)

UL 8750

IP66/67 (100-277 Models)

CSA C22.2 No. 250.0-08

NEMA 4X

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

347V AC

120-250 V DC

347-480V AC

480 VAC

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
See table

Lens:

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



Vigilant® LED High Bay- UL / CSA

100-277V, 347V-480V

Ordering Information

Product Code	Cert.	Lens Material	Beam Dist.	CCT & CRI	Oper. Voltage	Lumen Type	Controls	Mounting Options	Power Cable	Elect. Access.	Coatings	No Option
HC High Bay Integrated Pendant Wiring Box												
HE High Bay 3/4" NPT												
HW Integrated hexagon wiring box												
U UL 1598/A, CSA												
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												
E Oval												
M Medium												
N Narrow												
W Wide												
C Cool White 5000K - 80 CRI												
N Neutral White 4000K - 80 CRI												
W Warm White 2700K - 80 CRI												
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)												
A 11,000 Lumens												
B 14,000 Lumens												
C 18,000 Lumens												
E 26,000 Lumens												
D Dimming (0-10V)												
N No option (Passive only)												
M Occupancy Sensor												
H Hook												
N Pendant 3/4" NPT												
P Pendant 3/4" NPT with Safety Retention Tabs												
R Safety Retention Tabs with Hook												
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												
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)												
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

Vigilant® LED Low Bay - UL / CSA



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 ST00W

Corded Models 100-277V



Mechanical Information:

Fixture weight:
20 lbs (9 kg)
Shipping weight:
26 lbs (12 kg)
Mounting:
3/4" NPT or Hook
Various Kits (see page 21)
Wiring Box Cable Entries:
(2x) 3/4" NPT

100-277V Model



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

Wiring Box 347-480V



Mechanical Information:

Fixture weight:
22 lb (9.9 kg)
Shipping weight:
28 lb (12.7 kg)
Mounting:
3/4" NPT or Hook
Wiring box cable entries:
3/4" NPT

Wiring Box with Occupancy Sensor

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:

100-277VAC (120-250VDC)
347-480VAC (Top Hat Models)

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:

6K-18k lm models: <20%
4k lm models: <30%

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
Lumen values are typical (tolerance +/- 10%)

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



Vigilant® LED

Low Bay - UL / CSA

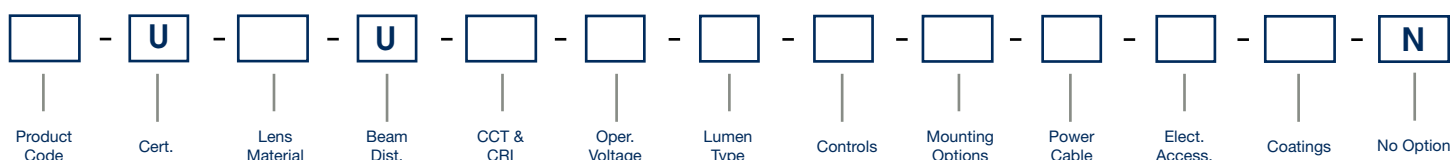
Standard Models, 100-277V,
347-480V

Project Information	
Part Number:	
Project:	
Fixture Type:	Date:

Notes

Specifications

Ordering Information



Product Code

LC	Integrated Wiring Box
LE	Low Bay
LW	Integrated hexagon wiring box

Certification

U	UL 1598/A
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Lens Material

2	Acrylic - Clear
3	Acrylic - Diffused
4	Polycarbonate - Clear
5	Polycarbonate - Diffused
L	Polycarbonate Dome - Diffused

Beam Distribution

U	Ultra Wide
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CCT & CRI

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

Operating Voltage

A	347-480 VAC Step Down Transformer (LE only)
2	100 - 277 VAC / 120 - 250 VDC

Lumen Type

4	4,000 Lumens
6	6,000 Lumens
9	9,000 Lumens
B	14,000 Lumens
C	18,000 Lumens

Controls

D	Dimming (0-10V)
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)
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Notes

- Operating Voltage A - 347/480 VAC will ship with wiring box and transformers. Choose LE prefix for this option. For 480 VAC add 12W, for 347 VAC add 29W.
- Lumen type based on using a polycarbonate dome lens. See tables for lumens when changing lenses on page 23.
- When ordering occupancy sensor, use prefix LC.
- LC & LW prefixed models have the ability to add wireless & DALI controls

SafeSite Vigilant® LED High Bay- UL / CSA

Class I Div. 2 Models, Class I Div. 1 Models



**Corded Models
100-277V**

Mechanical Information:

Fixture weight:

18 lbs (8 kg)

Shipping weight:

24 lbs (13 kg)

Mounting:

3/4" NPT - top

Various Kits (see page 22)

Power Cord:

18 AWG ST00W

Class I Div 2, Groups A,B,C,D
Class II Div 1 Groups E, F and G
Class II Div 2 Groups F and G
Class III Div 1 and 2



**Integrated Wiring
Box-100-277V**

Available with and without hook

Mechanical Information:

Fixture weight:

20 lbs (9kg)

Shipping weight:

26 lbs (12kg)

Mounting:

3/4" NPT or Hook

Various Kits (see page 22)

Wiring Box Cable Entries:

(2x) 3/4" NPT

Class I Div 2, Groups A,B,C,D
Class II Div 2 Groups F and G
Class III Div 1 and 2



Corded 100-277V

Mechanical Information:

Fixture weight:

30 lbs (14 kg)

Shipping weight:

35 lbs (19 kg)

Mounting:

3/4" NPT - top

Various Kits (see page 22)

Power Cord:

18 AWG ST00W

Class I Div 1 Groups C and D
Class I Div 2 Groups C and D
Class II Div 1 Groups E, F and G
Class II Div 2 Groups F and G

Temperature Ratings:

Ambient Temp Range

T4 Temp Code:

-40°F to +149°F (-40°C to +65°C)

Ambient Temp Range

T5 Temp Code:

-40°F to +131°F (-40°C to +50°C)

Certifications & Ratings:

UL 844 (wet locations)

CSA 22.2 No. 137-M81

IP66/67 (100-277 Models)

NEMA 4X

UL 8750

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

Electrical Specifications:

Operating voltage:

100-277V AC, 120-250V DC

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 6kA. Tested with 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:
www.dialight.com



Class I Div 2 corded
Class I Div 2 Integrated Wiring Box
Class I Div 1 corded

Ordering Information

Notes	

Specifications

- - - - - - - **D** - - - **N** - - **N**

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

Product Code	
HE	High Bay 3/4" NPT
HC	High Bay Integrated Pendant Wiring Box
HW	Integrated hexagon wiring box
Certification	
C	UL844, CID1
D	UL 844 CID2, CIID2, CIID1, CIII
H	UL 844, C1D1, Hydrogen
M	UL844, C1D1, Paint Spray
Lens Material	
4	Polycarbonate - Clear
5	Polycarbonate - Diffused
7	Glass - Clear
8	Glass - Diffused
L	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	347-480V AC (HE only)

Lumen Type	
A	11,000 Lumens
B	14,000 Lumens
C	18,000 Lumens
E	26,000 Lumens
Controls	
D	Dimming (0-10V)
Mounting Options	
H	Hook (wire box only)
N	Standard, 3/4" NPT
P	Safety Retention Tabs
Q	Safety Retention Tabs with HBXW3
R	Safety Retention Tabs with Hook (wire box only)

Power Cable	
N	No power cable
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	
N	No Option
Coatings	
G	Gray (RAL 7040)

Notes
1) 347/480 VAC options only available on CID2, CIID2, CIID1 models with Product Code prefix HE . 347/480 VAC models come with wiring box & transformers. For 480 VAC add 12W, for 347 VAC add 29W.
2) Lumen type based on glass lens, when using alternative lenses use table on page 59.
3) For CID1 models use Product Code prefix HE or HW only, HC is not valid. For lens, only option 7 (glass) is available for CID1 models.

SafeSite Vigilant® LED Low Bay - UL 844

Class I Div. 2 Models



**Corded Models
100-277V**

Mechanical Information:

Fixture weight:

18 lbs (8 kg)

Shipping weight:

24 lbs (13 kg)

Mounting:

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

Power Cord:

18 AWG ST00W

Class I Div 2, Groups A,B,C,D
Class II Div 1 Groups E, F and G
Class II Div 2 Groups F and G
Class III Div 1 and 2



**Integrated Wiring
Box 100-277V**

Available with and without hook

Mechanical Information:

Fixture weight:

20lbs (9kg)

Shipping weight:

26 lbs (12kg)

Mounting:

3/4" NPT or Hook
Various Kits (see page 22)

Wiring Box Cable Entries:

(2x) 3/4" NPT

Class I Div 2, Groups A,B,C,D
Class II Div 2 Groups F and G
Class III Div 1 and 2



**100-277V
Corded 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)

Entries:

(4x) 3/4" NPT

Class I Div 2, Groups A,B,C,D
Class II Div 2 Groups F and G
Class III Div 1 and 2

Temperature Ratings:

Ambient Temp Range

T4 Temp Code:

-40°F to +149°F (-40°C to +65°C)

Ambient Temp Range

T5 Temp Code:

-40°F to +131°F (-40°C to +50°C)

Certifications & Ratings:

UL 844 (wet locations)
IP66/67 (100-277 Models)
CSA 22.2 No. 137-M81

NEMA 4X
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

Electrical Specifications:

Operating voltage:

100-277V AC
347-480V AC

120-250V DC

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 6kA. Tested with
10kv/2 ohm combination wave, as per
IEEE C62.41, line-line and line-ground

THD:

6-18 k: < 20%
4k: <30%

Power factor:

> 0.9

Fusing:

Internal

Construction:

Housing:

Copper free aluminum

Finish:

Superior dual coat finish
Sealed polyester topcoat
Chemical-resistant epoxy primer

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:
www.dialight.com



SafeSite Vigilant® LED Low Bay - UL 844

Class I Div. 2 Models

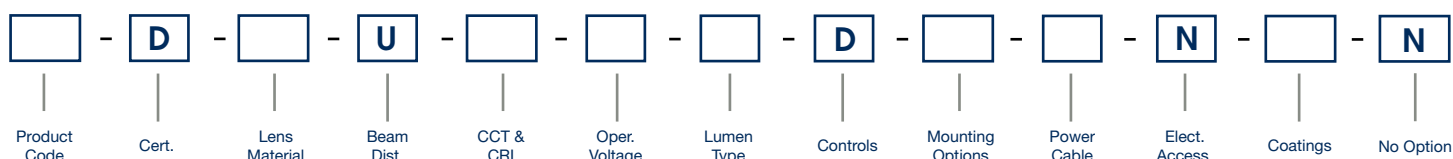
Project Information

Part Number:	
Project:	
Fixture Type:	Date:

Notes

Specifications

Ordering Information



Product Code

LC	Low Bay Integrated Pendant Wiring Box
LE	Low Bay
LW	Integrated Hexagon wiring box

Certification

D	UL 844 CID2, CIID2, CIID1, CIII
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Lens Material

4	Polycarbonate - Clear
5	Polycarbonate - Diffused
L	Polycarbonate Dome - Diffused

Beam Distribution

U	Ultra Wide
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CCT & CRI

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

Operating Voltage

A	347/480 VAC Step Down Transformer (LE only)
2	100 - 277 VAC / 120 - 250 VDC

Lumen Type

4	4,000 Lumens
6	6,000 Lumens
9	9,000 Lumens
B	14,000 Lumens
C	18,000 Lumens

Controls

D	Dimming (0-10V)
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Mounting Options

A	Aluminum HBXW3
B	Stainless Steel HBXW3SSL304
C	Stainless Steel HBXW3SSL316
D	Stainless Steel HBXW3SSL304FT
E	Stainless Steel HBXW3SSL316FT
F	Stainless Steel HBXW3SS (316)
H	Hook (wireless only)
N	Standard, 3/4" NPT
P	Safety Retention Tabs
Q	Safety Retention Tabs with HBXW3
R	Safety Retention Tabs with Hook (wire box only)

Power Cable

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
N	No power cable

Electrical Accessories

N	No Option
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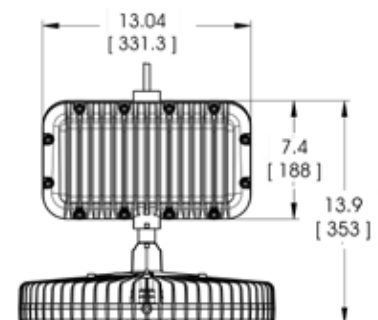
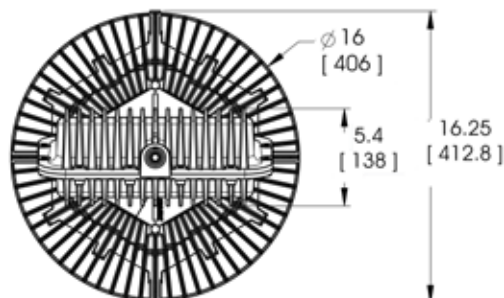
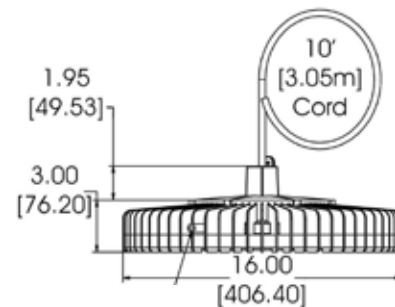
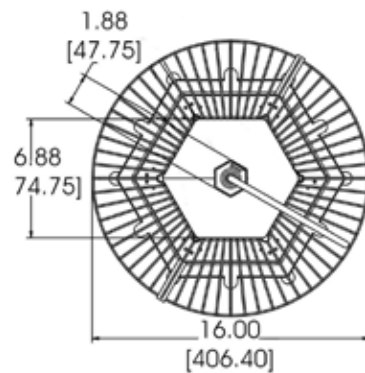
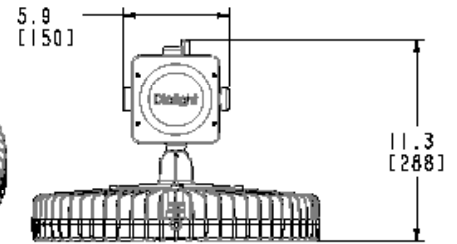
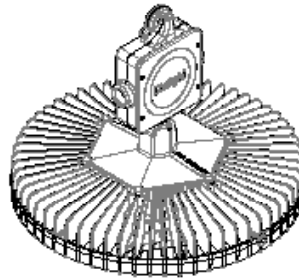
Coatings

G	Gray (RAL 7040)
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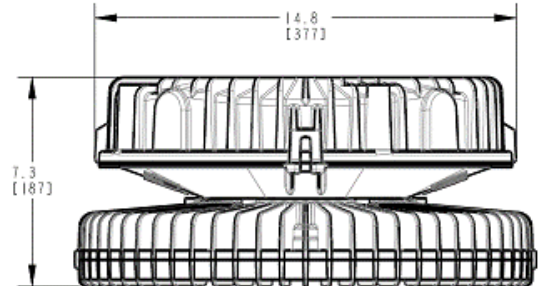
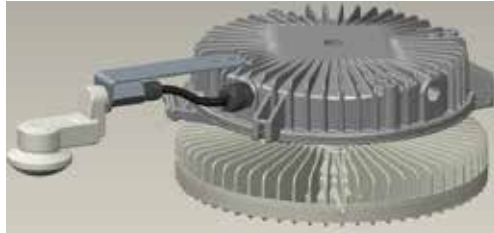
Notes

- 1) Mounting options A,B,C,F,Q not applicable for 347-480V model
- 2) 347/480 VAC models come with top hat & transformers. For 480 VAC add 12W, for 347 VAC add 29W.

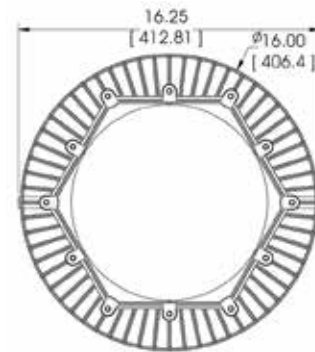
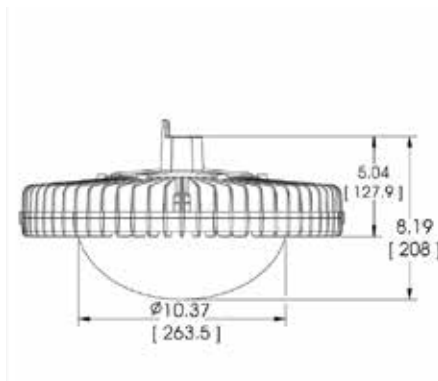
Vigilant® LED High Bay/ Low Bay- UL / CSA



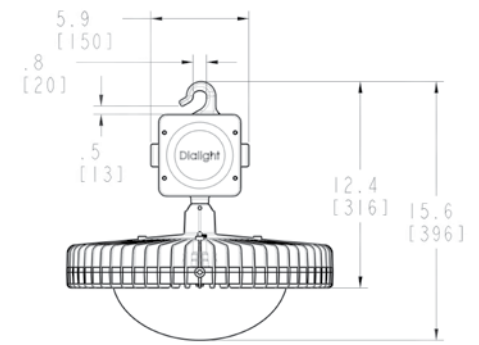
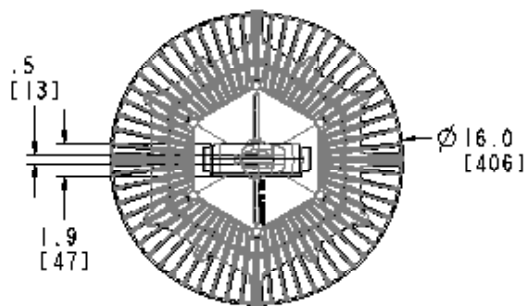
Vigilant® LED High Bay/ Low Bay- UL / CSA- 347-480V



Vigilant LED Low Bay - UL / CSA- Corded Models 100-277V



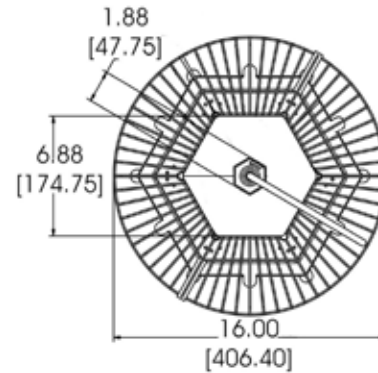
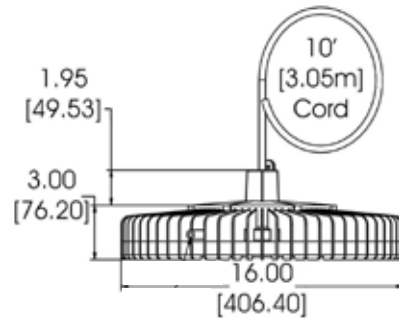
Vigilant LED Low Bay - UL/ CSA- Integrated Wiring Box 100-277V



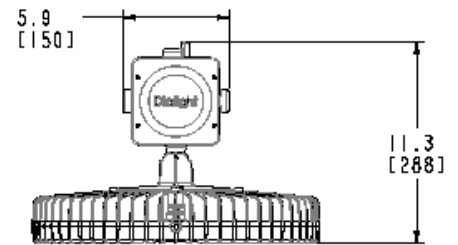
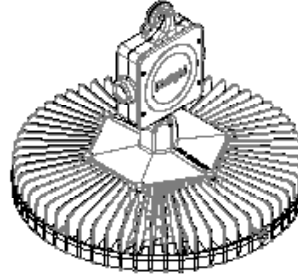
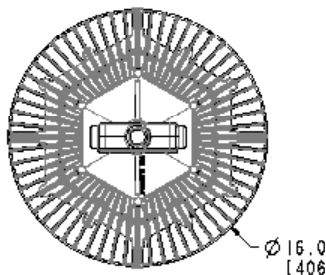
Dimensional Drawings

SafeSite Vigilant® LED High Bay- UL / CSA

SafeSite® LED High Bay - UL 844- 100-277V - Class I Div. 2 Models

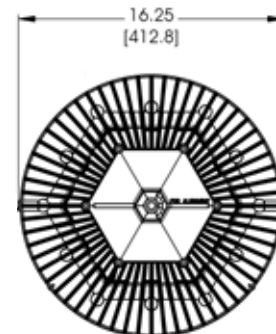
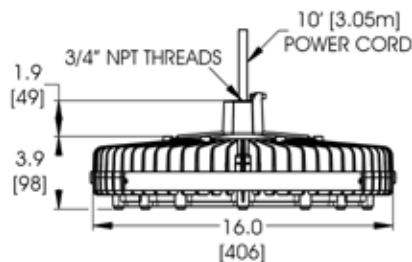


SafeSite Vigilant® LED High Bay- UL844 100-277V Integrated Wiring Box Class I Div2 Models



Available with and without hook
Available with or without Occupancy Sensor

SafeSite Vigilant® LED High Bay- UL844- 100-277V- Class I Div1 Models



Lumen Tables

Vigilant High Bay 100-277V AC, 120-250V DC							
Lumen Letter	Wattage	Lens	Material	Diffused	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
E	186	7	Glass	No	26,250	25,250	22,250
	186	H	Glass	No	25,750	25000	21,250
	186	2	Acrylic	No	25,250	24500	21,750
	186	4	Polycarbonate	No	25,250	24500	21,750
	186	3	Acrylic	Yes	24,750	24000	20,500
	186	5	Polycarbonate	Yes	24,750	24,000	20,500
	186	L	Polycarbonate Dome	Yes	24,500	23,750	20,250
	186	8	Glass	Yes	23,250	22500	19,125
C	129	7	Glass	No	19,500	18,750	15,750
	129	2	Acrylic	No	18,750	18,000	15,250
	129	4	Polycarbonate	No	18,750	18,000	15,250
	129	3	Acrylic	Yes	18,250	17,500	14,750
	129	5	Polycarbonate	Yes	18,250	17,500	14,750
	129	L	Polycarbonate Dome	Yes	18,000	17,500	14,750
	129	8	Glass	Yes	17,000	16,500	14,000
B	102	7	Glass	No	14,250	13,750	11,750
	102	H	Glass	No	14000	13,500	11,500
	102	2	Acrylic	No	13,750	13,250	11,000
	102	4	Polycarbonate	No	13,750	13,250	11,000
	102	3	Acrylic	Yes	13,500	13,000	11,000
	102	5	Polycarbonate	Yes	13,500	13,000	11,000
	102	L	Polycarbonate Dome	Yes	13,250	12,750	10,750
	102	8	Glass	Yes	12,500	12,250	10,500
A	80	7	Glass	No	11,250	11,000	9,500
	80	H	Glass	No	11,000	10,750	9,250
	80	2	Acrylic	No	10,750	10,500	9,000
	80	4	Polycarbonate	No	10,750	10,500	9,000
	80	3	Acrylic	Yes	10,500	10,250	8,750
	80	5	Polycarbonate	Yes	10,500	10,250	8,750
	80	L	Polycarbonate Dome	Yes	10,250	9,950	8,500
	80	8	Glass	Yes	9,750	9,500	8,000

SafeSite CID1 High Bay 100-277V AC							
Lumen Letter	Wattage	Lens	Material	Diffused	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
E	186	7	Glass	No	23,500	22,750	20,000
	186	8	Glass	Yes	20,750	20,250	17,250
C	129	7	Glass	No	16,000	15,500	13,250
	129	8	Glass	Yes	14,000	13,500	11,500
B	102	7	Glass	No	12,500	12,250	10,500
	102	8	Glass	Yes	11,000	10,750	9,250
A	80	7	Glass	No	9,500	9,250	7,750

Notes

1) For models using transformers, add 12W for 480V & 29W for 347V

Passive 480 Power Supplies

Lumen Letter	480V Wattage	Lens Character	Material	Diffused	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
E	206	7	Glass	No	27,000	26,250	23,000
	206	H	Glass	No	26,500	25,750	21,750
	206	2	Acrylic	No	26,000	25,250	21,500
	206	4	Polycarbonate	No	26,000	25,250	21,500
	206	3	Acrylic	Yes	25,250	24,500	20,750
	206	5	Polycarbonate	Yes	25,250	24,500	20,750
	206	L	Polycarbonate Dome	Yes	25,000	24,250	20,500
	206	8	Glass	Yes	23,750	23000	19,500
C	129	7	Glass	No	18,000	17,500	14,750
	129	H	Glass	No	17,750	17,250	14,500
	129	2	Acrylic	No	17,250	16,750	14,250
	129	4	Polycarbonate	No	17,250	16750	14,250
	129	3	Acrylic	Yes	17,000	16,500	14,000
	129	5	Polycarbonate	Yes	17,000	16,500	14,000
	129	L	Polycarbonate Dome	Yes	16,750	16,250	13,750
	129	8	Glass	Yes	15,750	15,250	13,000
B	116	7	Glass	No	14,250	13,750	11,750
	116	H	Glass	No	14,000	13,500	11,500
	116	2	Acrylic	No	13,750	13,250	11,000
	116	4	Polycarbonate	No	13,750	13,250	11,000
	116	3	Acrylic	Yes	13,500	13,000	11,000
	116	5	Polycarbonate	Yes	13,500	13,000	11,000
	116	L	Polycarbonate Dome	Yes	13,250	12,750	10,750
	116	8	Glass	Yes	12,500	12,250	10,500
A	73	7	Glass	No	11,250	11,000	9,500
	73	H	Glass	No	11,000	10,750	9,250
	73	2	Acrylic	No	10,750	10,500	9,000
	73	4	Polycarbonate	No	10,750	10,500	9,000
	73	3	Acrylic	Yes	10,500	10,250	8,750
	73	5	Polycarbonate	Yes	10,500	10,250	8,750
	73	L	Polycarbonate Dome	Yes	10,250	9,950	8,500
	73	8	Glass	Yes	9,750	9,500	8,000

Passive 347 Power Supplies

Lumen Letter	347V Wattage	Lens Character	Material	Diffused	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
E	206	7	Glass	No	27,000	26,250	23,000
	206	H	Glass	No	26,500	25,750	21,750
	206	2	Acrylic	No	26,000	25,250	21,500
	206	4	Polycarbonate	No	26,000	25,250	21,500
	206	3	Acrylic	Yes	25,250	24,500	20,750
	206	5	Polycarbonate	Yes	25,250	24,500	20,750
	206	L	Polycarbonate Dome	Yes	25,000	24,250	20,500
	206	8	Glass	Yes	23,750	23000	19,500
C	136	7	Glass	No	18,000	17,500	14,750
	136	H	Glass	No	17,750	17,250	14,500
	136	2	Acrylic	No	17,250	16,750	14,250
	136	4	Polycarbonate	No	17,250	16750	14,250
	136	3	Acrylic	Yes	17,000	16,500	14,000
	136	5	Polycarbonate	Yes	17,000	16,500	14,000
	136	L	Polycarbonate Dome	Yes	16,750	16,250	13,750
	136	8	Glass	Yes	15,750	15,250	13,000
B	100	7	Glass	No	14,250	13,750	11,750
	100	H	Glass	No	14,000	13,500	11,500
	100	2	Acrylic	No	13,750	13,250	11,000
	100	4	Polycarbonate	No	13,750	13,250	11,000
	100	3	Acrylic	Yes	13,500	13,000	11,000
	100	5	Polycarbonate	Yes	13,500	13,000	11,000
	100	L	Polycarbonate Dome	Yes	13,250	12,750	10,750
	100	8	Glass	Yes	12,500	12,250	10,500
A	81	7	Glass	No	11,250	11,000	9,500
	81	H	Glass	No	11,000	10,750	9,250
	81	2	Acrylic	No	10,750	10,500	9,000
	81	4	Polycarbonate	No	10,750	10,500	9,000
	81	3	Acrylic	Yes	10,500	10,250	8,750
	81	5	Polycarbonate	Yes	10,500	10,250	8,750
	81	L	Polycarbonate Dome	Yes	10,250	9,950	8,500
	81	8	Glass	Yes	9,750	9,500	8,000

Lumen Tables- Low Bay

Vigilant Low Bay 100-277V AC, 120-250V DC							
Lumen Letter	Wattage	Lens	Material	Diffused	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
C	154	L	Polycarbonate Dome	Yes	18,000	17,500	15,250
	154	4	Polycarbonate	No	17,750	17,250	15,000
	154	2	Acrylic	No	17,500	17,000	14,750
	154	5	Polycarbonate	Yes	17,000	16,500	14,500
	154	3	Acrylic	Yes	16,500	16,000	14,000
B	114	L	Polycarbonate Dome	Yes	14,000	13,500	12,000
	114	4	Polycarbonate	No	13,750	13,250	11,750
	114	2	Acrylic	No	13,500	13,000	11,500
	114	5	Polycarbonate	Yes	13,250	12,750	11,250
	114	3	Acrylic	Yes	13,000	12,500	11,000
9	80	L	Polycarbonate Dome	Yes	9,000	8,750	7,750
	80	4	Polycarbonate	No	8,800	8,500	7,500
	80	2	Acrylic	No	8,600	8,400	7,300
	80	5	Polycarbonate	Yes	8,500	8,250	7,200
	80	3	Acrylic	Yes	8,250	8,000	7,000
6	56	L	Polycarbonate Dome	Yes	6,000	5,800	5,100
	56	4	Polycarbonate	No	5,900	5,750	5,000
	56	2	Acrylic	No	5,750	5,600	4,800
	56	5	Polycarbonate	Yes	5,600	5,500	4,750
	56	3	Acrylic	Yes	5,500	5,300	4,600
4	42	L	Polycarbonate Dome	Yes	4,000	3,900	3,400
	42	4	Polycarbonate	No	3,900	3,800	3,300
	42	2	Acrylic	No	3,800	3,700	3,200
	42	5	Polycarbonate	Yes	3,750	3,600	3,150
	42	3	Acrylic	Yes	3,500	3,500	3,000

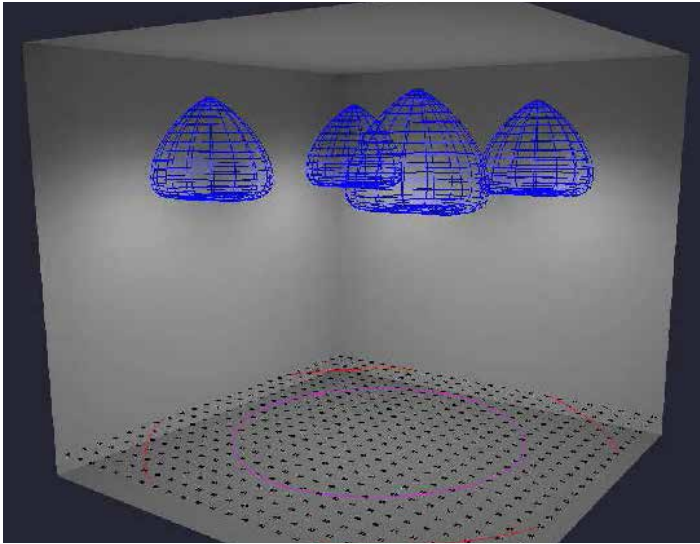
Notes

1) For models using transformers, add 12W for 480V & 29W for 347V

Lighting Layouts

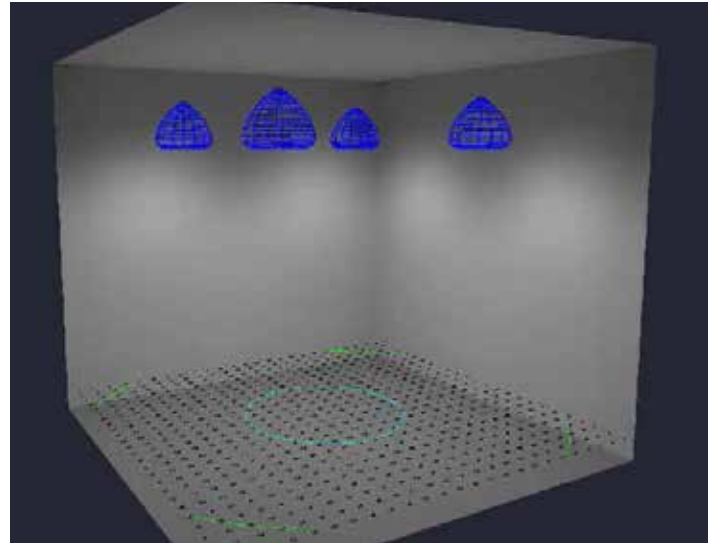
Hxx7MCxEx-xxxx

Calculation Summary - Mounting Height: 15' Workplane: 2.5'						
Calc Type	Units	Avg	Max	Min	Avg/Max	Max/Min
Illuminance	Fc	23.50	30	15	1.57	2.00



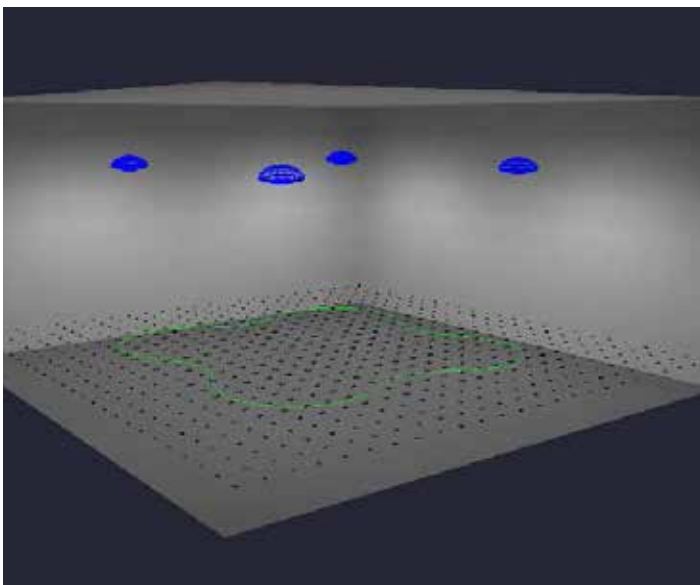
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Calculation Summary - Mounting Height: 15' Workplane: 2.5'						
Calc Type	Units	Avg	Max	Min	Avg/Max	Max/Min
Illuminance	fc	12.67	16	8	1.58	2.00



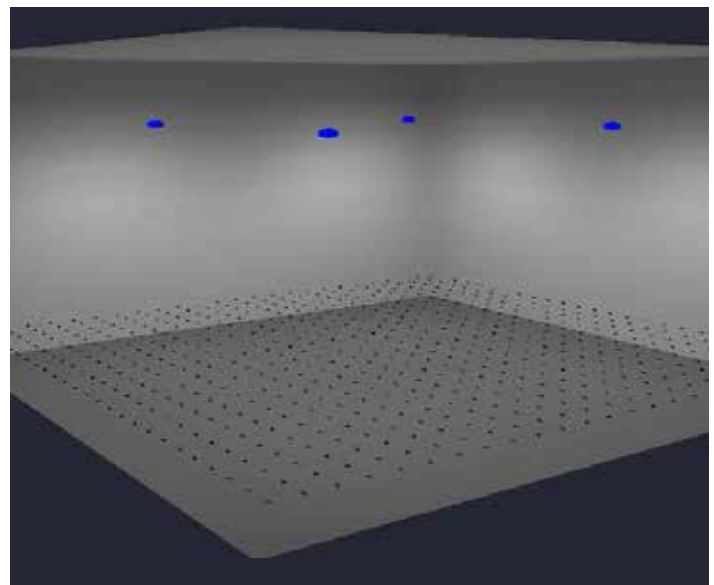
LxxLUCx9x-xxxx

Calculation Summary - Mounting Height: 15' Workplane: 2.5'						
Calc Type	Units	Avg	Max	Min	Avg/Max	Max/Min
Illuminance	Fc	9.01	11	6	1.50	1.83



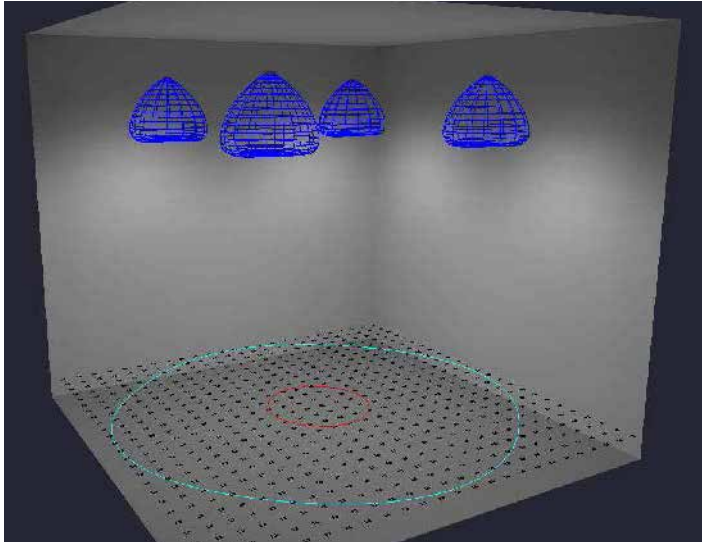
LxxLUCx4x-xxxx

Calculation Summary - Mounting Height: 15' Workplane: 2.5'						
Calc Type	Units	Avg	Max	Min	Avg/Max	Max/Min
Illuminance	fc	3.54	4	2	1.77	2.00



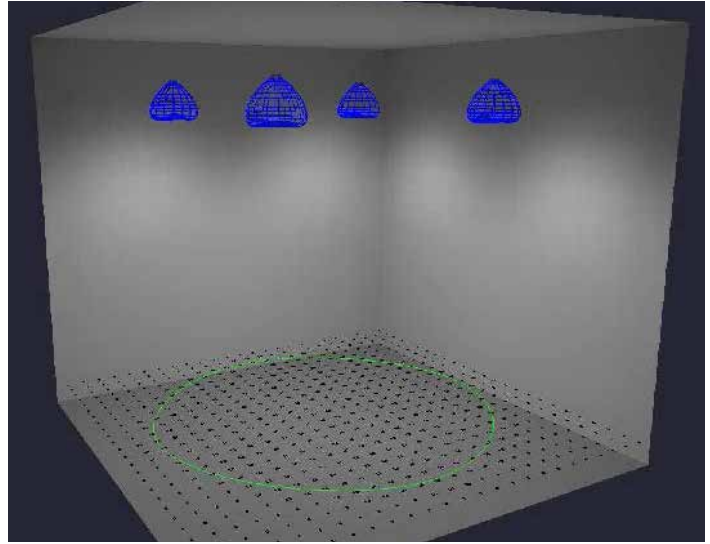
Hxx7MCxDx-xxxx

Calculation Summary - Mounting Height: 15' Workplane: 2.5'						
Calc Type	Units	Avg	Max	Min	Avg/Max	Max/Min
Illuminance	Fc	16.23	21	11	1.48	1.91



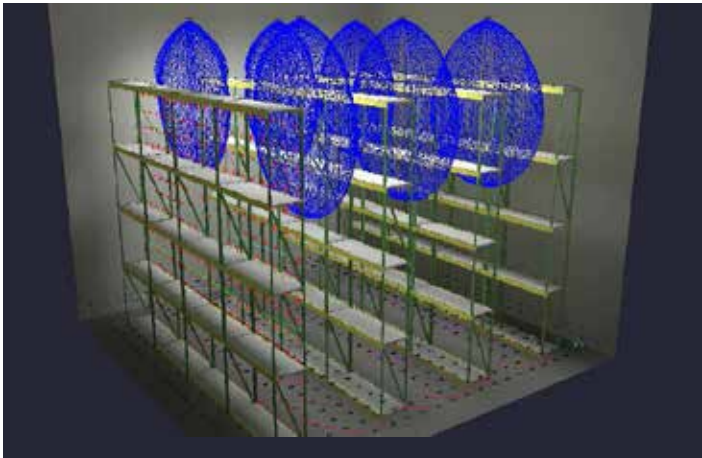
Hxx7MCxAx-xxxx

Calculation Summary - Mounting Height: 15' Workplane: 2.5'						
Calc Type	Units	Avg	Max	Min	Avg/Max	Max/Min
Illuminance	fc	9.93	13	6	1.66	2.17



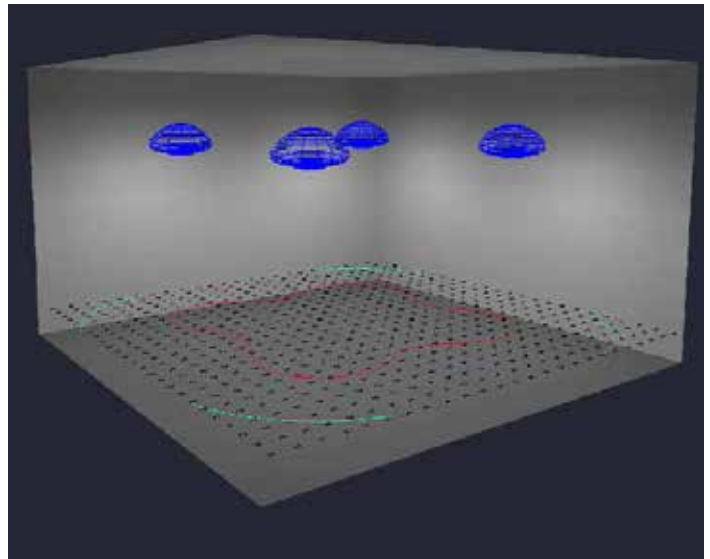
Hxx7ECxEx-xxxx

Calculation Summary - Mounting Height: 15' Workplane: 2.5'							
Label	Calc Type	Units	Avg	Max	Min	Avg/Max	Max/Min
Room Workplane	Illuminance	fc	18.59	28	2	9.30	14.00
Vertical Shelf Face	Illuminance	fc	16.35	52	6	2.73	8.67



LxxLUCxCx-xxxx

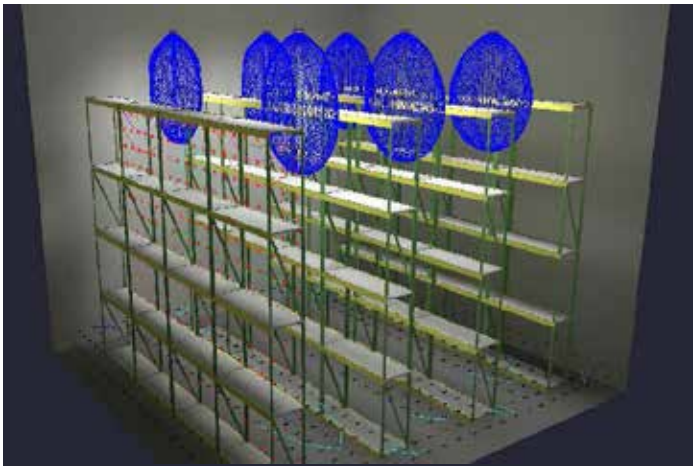
Calculation Summary - Mounting Height: 15' Workplane: 2.5'						
Calc Type	Units	Avg	Max	Min	Avg/Max	Max/Min
Illuminance	Fc	18.27	21	11	1.66	1.91



Lighting Layouts

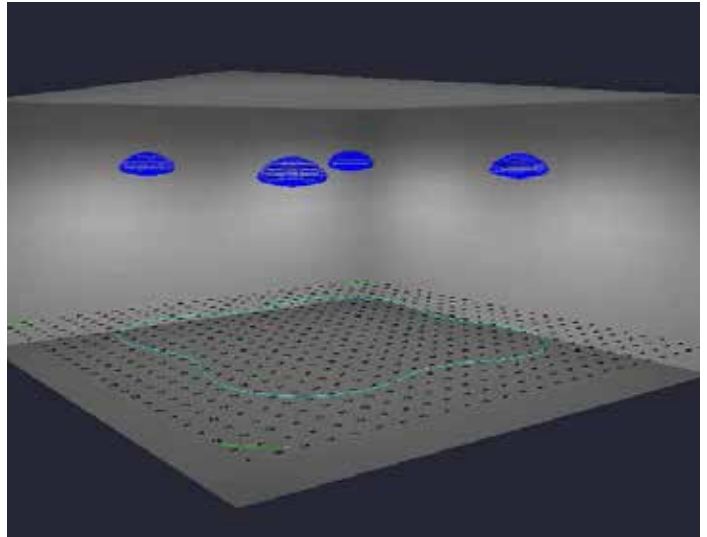
Hxx7ECxBx-xxxx

Calculation Summary - Mounting Height: 15' Workplane: 2.5'							
Label	Calc Type	Units	Avg	Max	Min	Avg/Max	Max/Min
Room Workplane	Illuminance	fc	12.28	18	2	6.14	9.00
Vertical Shelf Face	Illuminance	fc	10.77	34	4	2.69	8.50



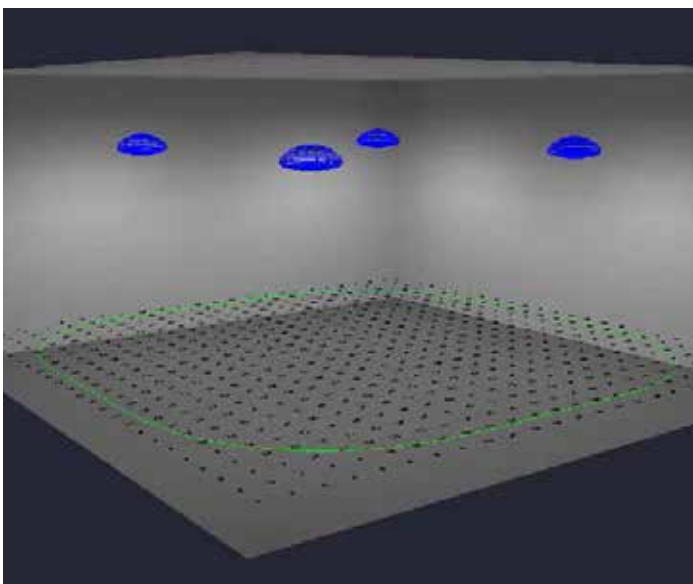
LxxLUCxBx-xxxx

Calculation Summary - Mounting Height: 15' Workplane: 2.5'						
Calc Type	Units	Avg	Max	Min	Avg/Max	Max/Min
Illuminance	fc	14.12	16	9	1.57	1.78



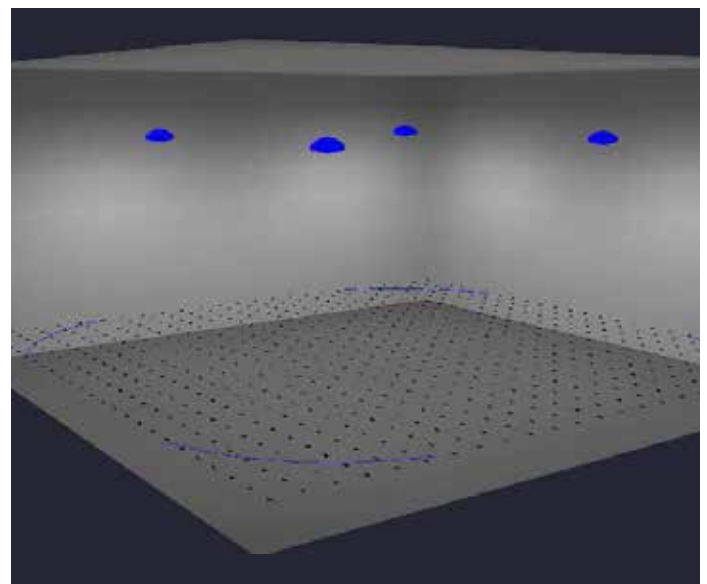
LxxLUCxAx-xxxx

Calculation Summary - Mounting Height: 15' Workplane: 2.5'						
Calc Type	Units	Avg	Max	Min	Avg/Max	Max/Min
Illuminance	Fc	11.15	13	7	1.59	1.86



LxxLUCx6x-xxxx

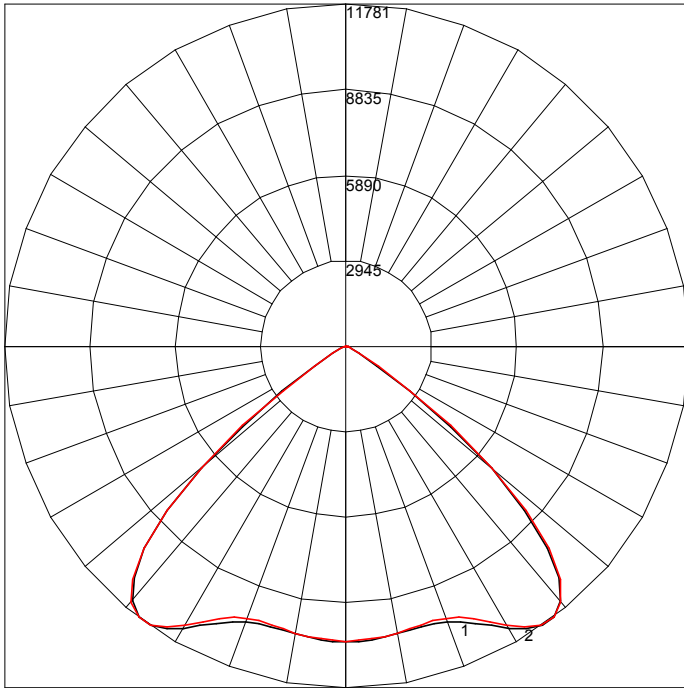
Calculation Summary - Mounting Height: 15' Workplane: 2.5'						
Calc Type	Units	Avg	Max	Min	Avg/Max	Max/Min
Illuminance	Fc	6.12	7	4	1.53	1.75



Beam Distribution

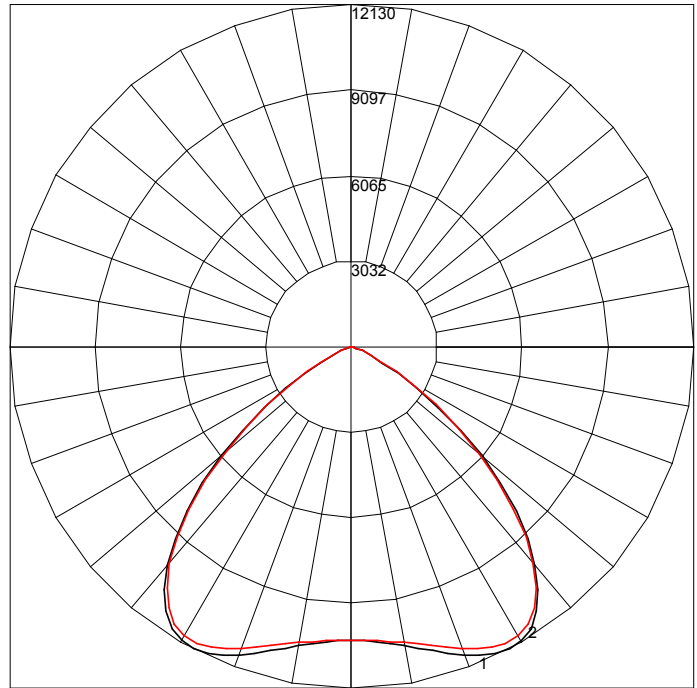
= 0°
 = 90°

High Bay Medium



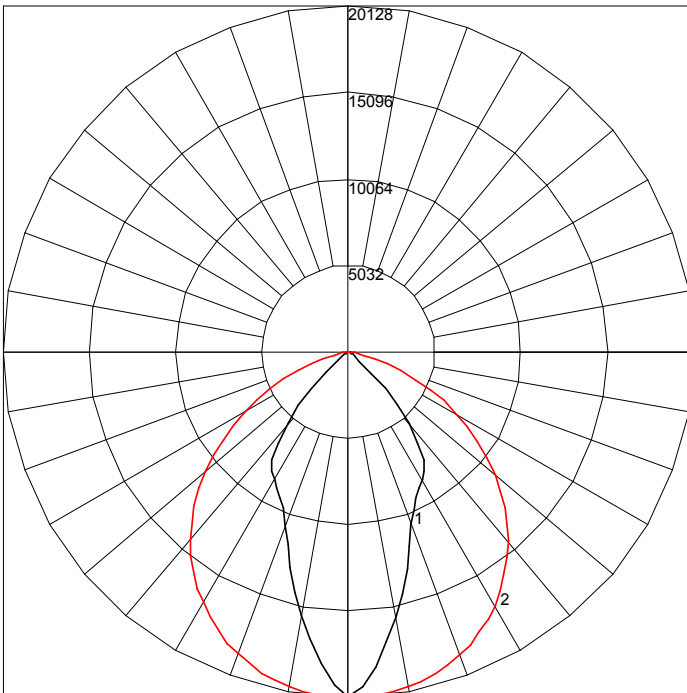
Maximum Candela = 11780.5 Located At Horizontal Angle = 90, Vertical Angle = 37.5
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
 # 2 - Vertical Plane Through Horizontal Angles (90 - 270)

High Bay Wide



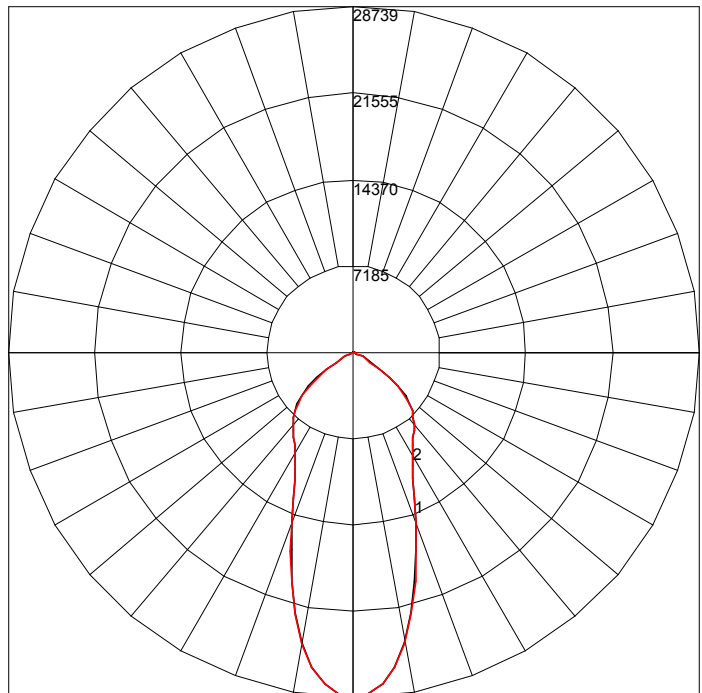
Maximum Candela = 12129.5 Located At Horizontal Angle = 0, Vertical Angle = 27.5
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
 # 2 - Vertical Plane Through Horizontal Angles (90 - 270)

High Bay Oval



Maximum Candela = 20128.4 Located At Horizontal Angle = 85, Vertical Angle = 2.5
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
 # 2 - Vertical Plane Through Horizontal Angles (90 - 270)

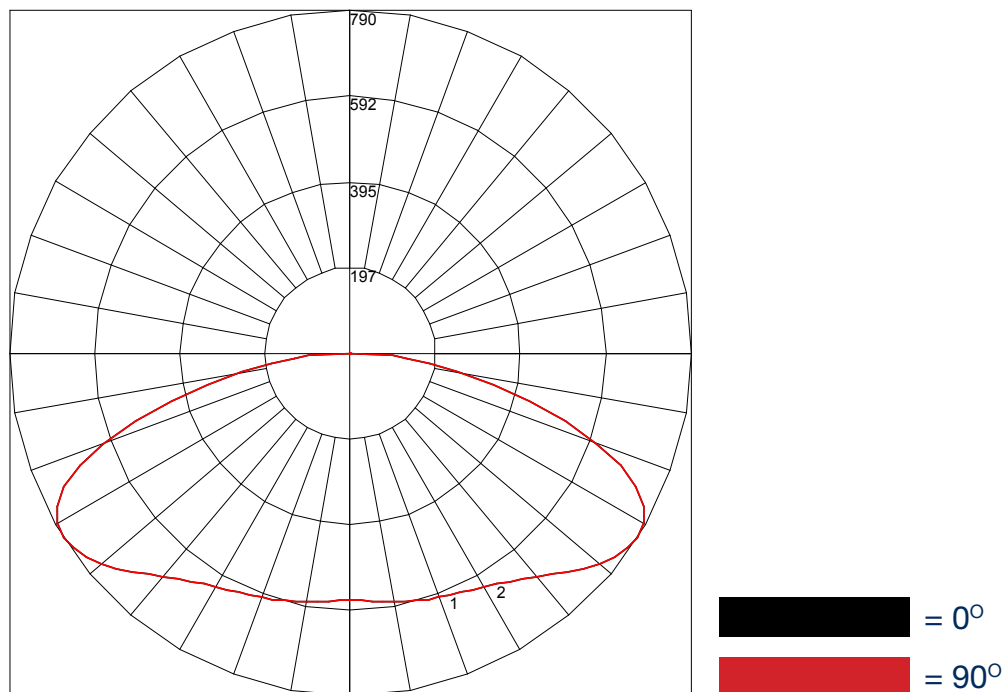
High Bay Narrow



Maximum Candela = 28739.4 Located At Horizontal Angle = 0, Vertical Angle = 0
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
 # 2 - Vertical Plane Through Horizontal Angles (90 - 270)

Beam Distribution

Low Bay Ultra Wide



In Rush Currents

High Bay Models

HE Models	Watt	In rush current @ input voltage			Time duration of in rush current @ input voltage		
		100V AC	230V AC	277V AC	120V AC	230V AC	277V AC
26K	186	7.7A	14.8A	17.8A	2ms	2ms	2ms
18K	129	7.7A	14.8A	17.8A	2ms	2ms	2ms
14K	102	7.7A	14.8A	17.8A	2ms	2ms	2ms
11K	80	7.7A	14.8A	17.8A	2ms	2ms	2ms

Low Bay Models

LE Models	Watt	In rush current @ input voltage			Time duration of in rush current @ input voltage		
		120V AC	230V AC	277V AC	120V AC	230V AC	277V AC
18K	154	7.7A	14.8A	17.8A	2ms	2ms	2ms
14K	114	7.7A	14.8A	17.8A	2ms	2ms	2ms
9K	80	7.7A	14.8A	17.8A	2ms	2ms	2ms
6K	56	7.7A	14.8A	17.8A	2ms	2ms	2ms
4K	42	7.7A	14.8A	17.8A	2ms	2ms	2ms

In Rush Currents

Passive Models

Passive Electrical	347V		480V	
	Peak current (A)	T50 Duration (ms)	Peak current (A)	T50 Duration (ms)
26k	4	3	8	2
18k	3.5	3	6	2
14k	2	4	6	2
11k	2	4	6	2

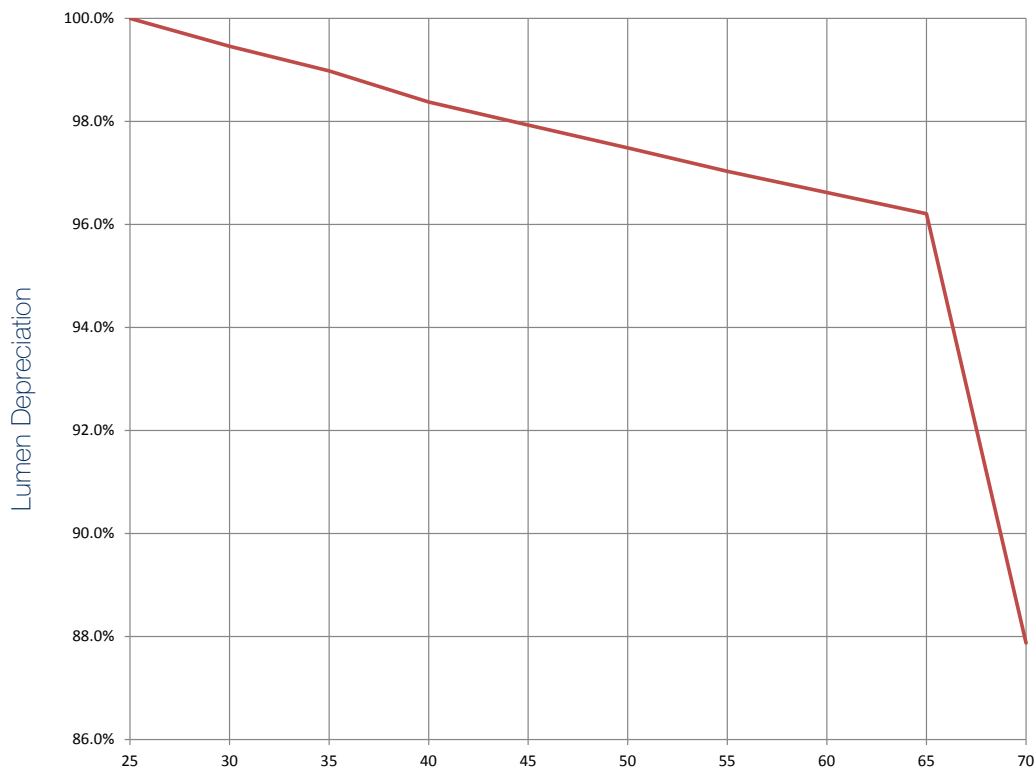
CID1 Models

HEC/ HEM HEP Models	Watt	In rush current @ input voltage			Time duration of in rush current @ input voltage		
		120V AC	230V AC	277V AC	120V AC	230V AC	277V AC
23K	186	7.7A	14.8A	17.8A	2mS	2mS	2mS
18K	129	7.7A	14.8A	17.8A	2mS	2mS	2mS
12K	102	7.7A	14.8A	17.8A	2mS	2mS	2mS
9K	80	7.7A	14.8A	17.8A	2mS	2mS	2mS

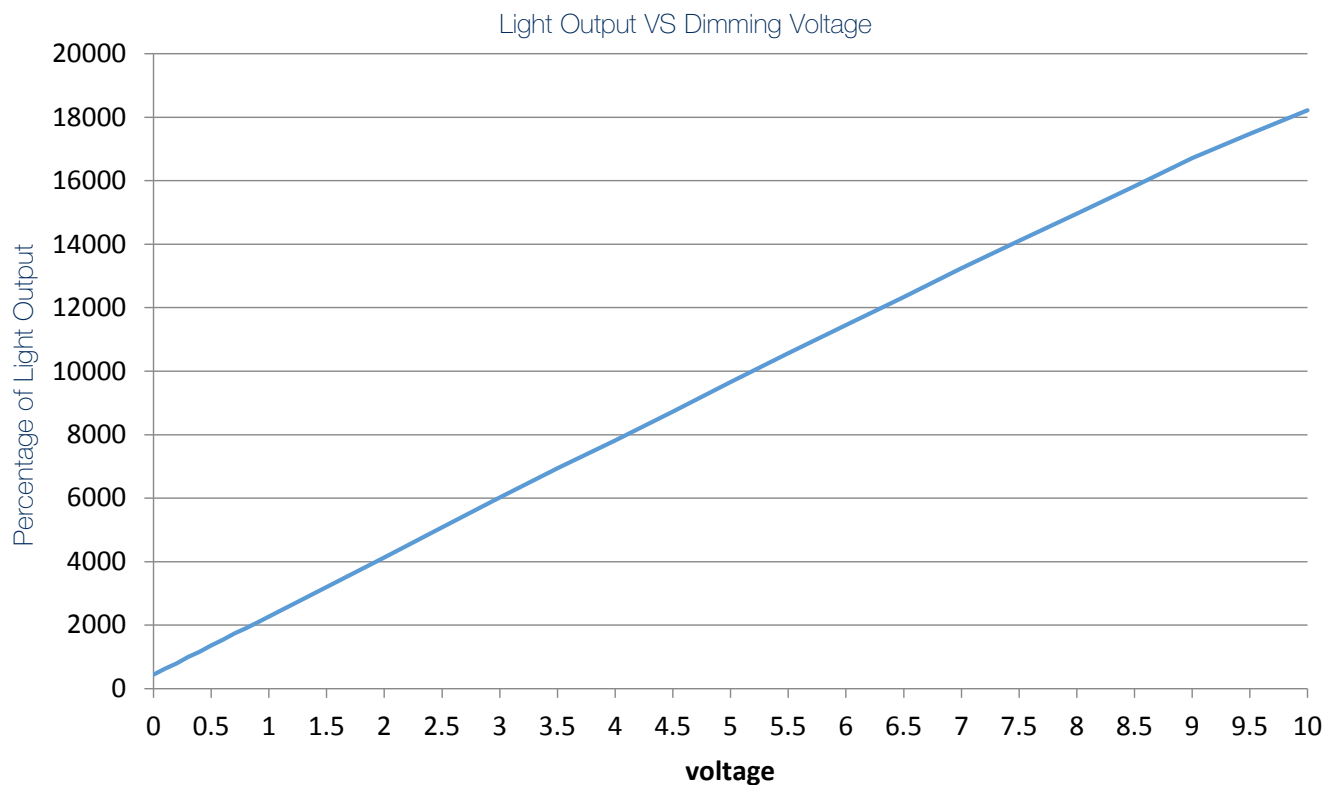
Lumen Maintenance Factor

Vigilant High Bay (Hours)										
Ambient Celsius	Ambient	0	15000	30000	45000	60000	75000	90000	100000	150000
	25	100%	98%	97%	96%	95%	94%	93%	92%	89%
	30	99%	96%	95%	94%	93%	92%	91%	90%	87%
	35	98%	95%	94%	93%	92%	91%	89%	89%	85%
	40	97%	94%	93%	92%	90%	89%	88%	87%	83%
	45	96%	93%	91%	90%	89%	87%	86%	85%	80%
	50	95%	92%	90%	88%	87%	85%	84%	83%	78%
	55	94%	90%	89%	87%	85%	83%	82%	81%	75%
	60	93%	89%	87%	85%	83%	82%	80%	79%	73%
	65	90%	85%	83%	80%	78%	76%	74%	73%	67%

Thermal Roll-Off



Dimming Characterization 0 - 10V



Vigilant® LED High Bay / Low Bay 100-277V AC

Mounting Accessories



HBXW3-SSL-316
HBXW3-SSL-304

- Stainless steel bracket



HBXCAB48

- 48" long stainless steel safety rope (for use with safety bracket)



HBXDC

- 21° slope dust cover

HBXDC45

- 45° slope dust cover

HBXDC60

- 60° slope dust cover

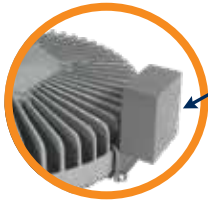


HBXW3-SSL-304FT

- 304 stainless steel forward throw bracket

HBXW3-SSL-316FT

- 316 Stainless steel forward throw bracket



HBXCBOCCFSPG
HBXCBOCCFSPK

(Counter Balance Occ)

- Powder Coated Steel
- Stainless Steel



HBXCG

- Cable gland



HBXW2

- Swivel bracket and cable gland

HBXW3

- Swivel bracket



HBXSB316

- Stainless Steel (4x)



HBXDUALBRCKT

- Dual bracket



HBXCU

- Ceiling / wall mount



LBXLENP

- Polycarbonate dome lens replacement



HBXFLAG-Y
HBXFLAG-O

- Yellow Aluminum
- Orange Aluminum



HBXLENGC

- Clear tempered glass

HBXLENPC

- Polycarbonate lens, clear

HBXLENAC

- Acrylic lens, clear



HBXREF16 Acrylic Reflector

HBXLENPD

- Polycarbonate lens, diffused

HBXLENAD

- Acrylic lens, diffused

HBXLENGD

- Diffused tempered glass

Notes

- 1) HBXLENGC Not applicable for Low Bay (Ultra Wide)

Vigilant® LED High Bay 347V-480V AC - UL / CSA

Mounting Accessories



HLXW2-SS

- 316 stainless steel swivel bracket and cable gland

HLXW3-SS

- 316 Stainless Steel swivel bracket



HBXW3-SSL-316FT HBXW3-SSL-304FT

- Stainless steel forward throw bracket



HBXHL

- Hook



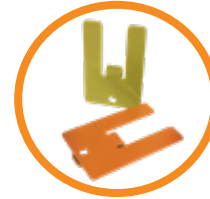
HBXCU

- Ceiling / wall mount



HBXCG

- Cable gland



HBXFLAG-Y HBXFLAG-O

- Yellow Aluminum
- Orange Aluminum



HBXSB316

- Stainless Steel (4x)



HBXCAB48

- 48" long stainless steel safety rope (for use with safety bracket)



HBXLENGC

- Clear tempered glass

HBXLENPC

- Polycarbonate lens, clear

HBXLENAC

- Acrylic lens, clear

HBXLENPD

- Polycarbonate lens, diffused

HBXLENAD

- Acrylic lens, diffused

LBXLENP

- Polycarbonate dome lens



HBXREF16 Acrylic Reflector



H6X-H

- Hook option for 347/480V transformer models

SafeSite® LED High Bay - High Efficiency - UL 844

Mounting Accessories



Classifications:
CID1 • CID2

HBXW1

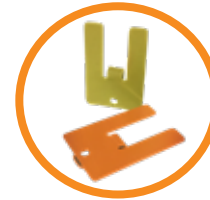
- Wall mount



Classifications: CID2

HBXW2

- Swivel bracket and cable gland



HBXFLAG-Y HBXFLAG-O

- Yellow Aluminum
- Orange Aluminum



Classifications:
CID2

HBXCG

- Cable gland



Classifications: CID2

HBX-DUAL-BRCKT

- Dual bracket



HBXSB 316

- Stainless Steel (4x)



Classifications:
CID1 • CID2

HBXC1

- Ceiling mount



Classifications:
CID1 • CID2

HBXW3-SSL-316

- Stainless steel swivel bracket

HBXW3-SSL-304

- 316 Stainless steel swivel bracket

- 304 Stainless steel



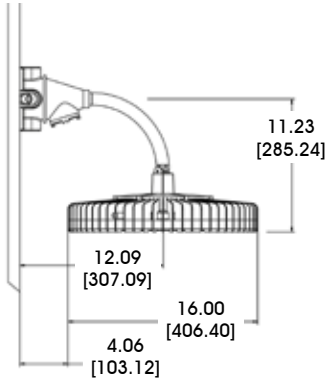
HBXCAB48

- 48" long stainless steel safety rope (for use with safety bracket)

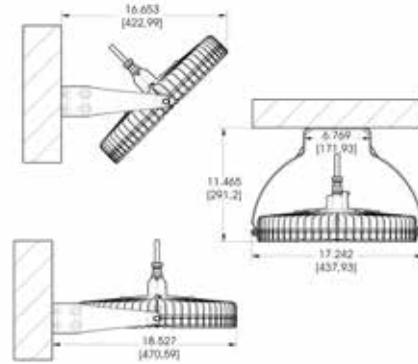
SafeSite® LED High Bay - High Efficiency - UL 844

Dimensional Drawings

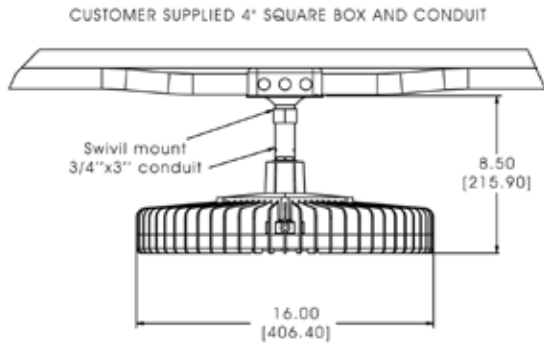
HBXW1 - Wall mount



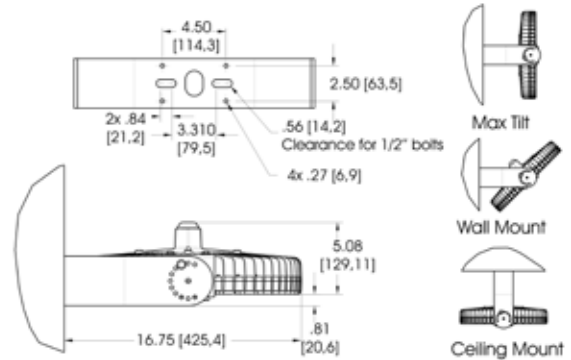
HBXW2 - Swivel bracket and cable gland



HBXCU - Ceiling mount



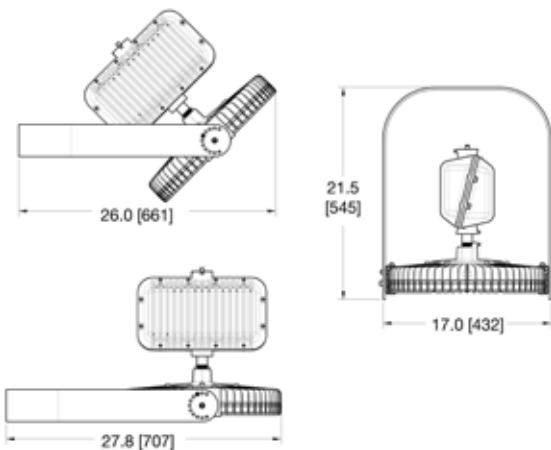
HBXW3-SSL-xxx - Stainless steel bracket



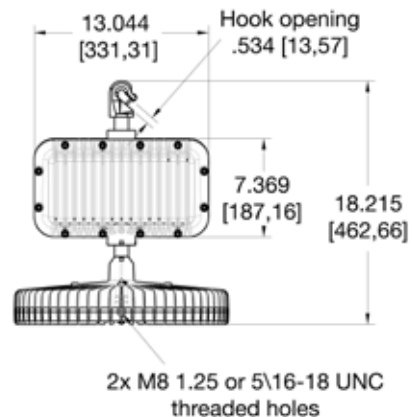
Vigilant® LED High Bay Passive Power Supply - UL / CSA

Dimensional Drawings

HLXW3-SS - Swivel Bracket



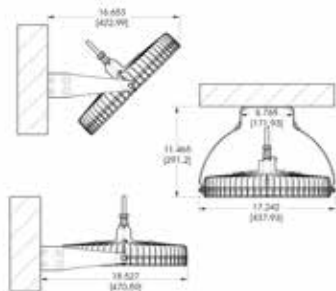
HBXHL - Hook



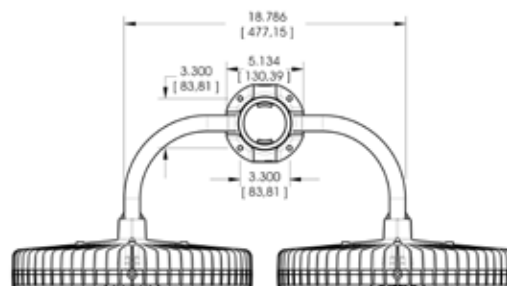
Vigilant® LED High Bay/ Low Bay - UL / CSA

Dimensional Drawings

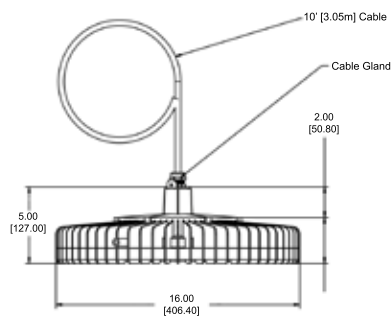
HBXW2 - Swivel Bracket and Cable Gland



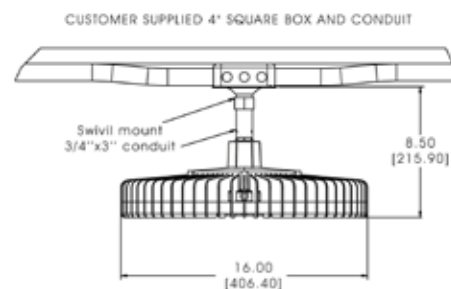
HBXDUALBROCKT - Dual Bracket



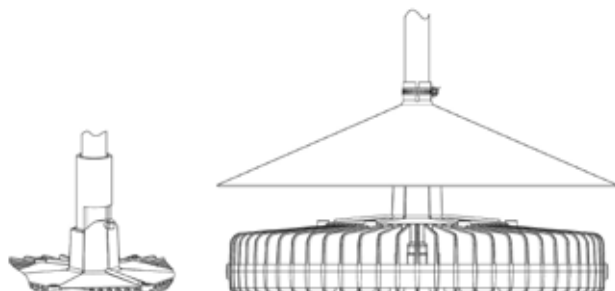
HBXCG - Cable Gland



HBXCU - Ceiling Mount



HBXDC - Dust Cover (HBXDC30 & HBXDC60)



Hazardous Locations Ratings - UL

Fixed and portable fixtures for installation and use in hazardous (classified) locations Class I, Divisions 1 and 2, Groups A, B, C, and D; Class II, Division 1, Groups E, F, and G; Class II, Division 2, Groups F and G; and Class III, Divisions 1 and 2, in accordance with the National Electrical Code, NFPA 70

Classes

The classes define the general nature of hazardous material in the surrounding atmosphere.

Class	Hazardous Material in Surrounding Atmosphere
Class I	Hazardous because flammable gases or vapors are present in the air in quantities sufficient to produce explosive or ignitable mixtures
Class II	Hazardous because combustible or conductive dusts are present
Class III	Hazardous because ignitable fibers or flying's are present, but not likely to be in suspension in sufficient quantities to produce ignitable mixtures. Typical wood chips, cotton, flax and nylon. Group classifications are not applied to this class

Divisions

The division defines the probability of hazardous material being present in an ignitable concentration in the surrounding atmosphere.

Division	Presence of Hazardous Material
Division 1	The substance referred to by class is present during normal conditions
Division 2	The substance referred to by class is present only in abnormal conditions, such as a container failure or system breakdown

Groups

The group defines the hazardous material in the surrounding atmosphere.

Group	Hazardous Material in Surrounding Atmosphere
Group A	Acetylene
Group B	Hydrogen, fuel and combustible process gases containing more than 30% hydrogen by volume or gases of equivalent hazard such as butadiene, ethylene, oxide, propylene oxide and acrolein
Group C	Carbon monoxide, ether, hydrogen sulfide, morphine, cyclopropane, ethyl and ethylene or gases of equivalent hazard
Group D	Gasoline, acetone, ammonia, benzene, butane, cyclopropane, ethanol, hexane, methanol, methane, vinyl chloride, natural gas, naphtha, propane or gases of equivalent hazard
Group E	Combustible metal dusts, including aluminum, magnesium and their commercial alloys or other combustible dusts whose particle size, abrasiveness and conductivity present similar hazards in connection with electrical equipment
Group F	Carbonaceous dusts, carbon black, coal black, charcoal, coal or coke dusts that have more than 8% total entrapped volatiles or dusts that have been sensitized by other material so they present an explosion hazard
Group G	Flour dust, grain dust, flour, starch, sugar, wood, plastic and chemicals

Reference:
http://www.engineeringtoolbox.com/hazardous-areas-classification-d_347.html

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