

.....Dialight



Dialight® LED High Bay

Technical Specification Sheet - UL

Vigilant® LED High Bay - UL / CSA

Corded Model & Integrated Wiring Box Model - 100-277 VAC

Corded Model



Mechanical Information:

Fixture weight:

18 lbs (8.16kg)

Shipping weight:

24 lbs (10.8kg)

Mounting:

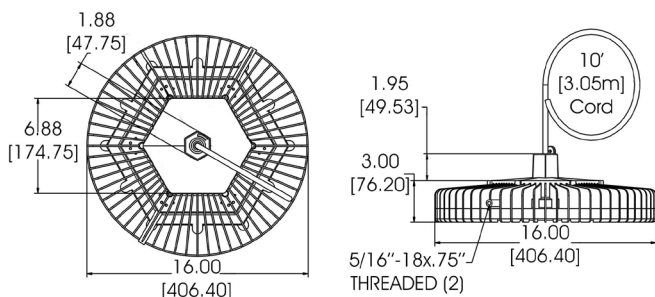
3/4" NPT - top

Various Kits

Power Cord:

10' 18 AWG STOOW

Patent pending



Integrated Wiring Box Model



Mechanical Information:

Fixture weight:

20 lbs (9 kg)

Shipping weight:

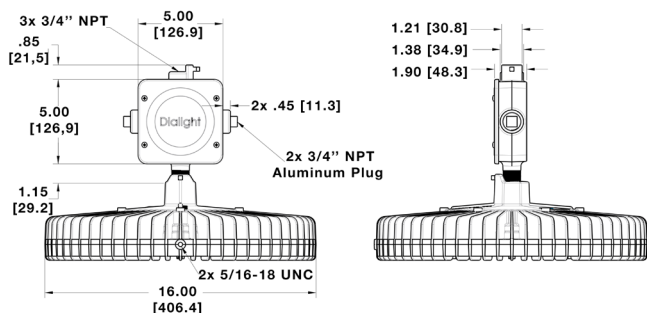
26 lbs (12 kg)

Mounting:

3/4" NPT or Hook

Wiring Box Cable Entries:

(2x) 3/4" NPT



Dimensions in inches (mm)

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Certifications & Ratings:

10 year warranty

UL 1598/A

UL 8750

IP66/67 (100-277 Models)

CSA C22.2 No. 250.0-08

NEMA 4X

L70 rated for >150,000 hours

Variable Dimming:

Variable Dimming Control: 0-10 VDC

Dimming Range:

10 VDC = 100% light output

0 VDC = <5% light output

Occupancy Sensor:

Mounting Height:

Up to 40ft

Ingress Protection:

IP66

Electrical Specifications:

Operating Voltage:

100-277 VAC

120-250 VDC

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:

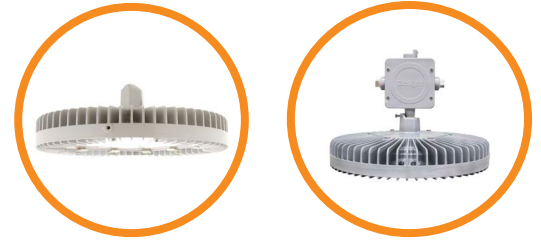
5000K (cool white)

4000K (neutral white)

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

Vigilant® LED High Bay - UL / CSA

Corded & Integrated Wiring Box - 100-277 VAC



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

Ordering Information

	-	U	-		-		-	2	-		-		-		-	N	-	G	-	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	Beam Distribution E Oval M Medium N Narrow W Wide	Lumen Type A 11,250 Lumens B 14,250 Lumens C 19,250 Lumens E 26,250 Lumens	Power Cable N No Cord (HC only) W 10' [3 meter] Power Cable (HE only)
Certification U UL 1598/A, CSA	CCT & CRI C Cool White 5000K - 80 CRI N Neutral White 4000K - 80 CRI	Controls D Dimming (0-10V) N No Dimming (HE only) M Occupancy Sensor (HC only)	Electrical Accessories N No Plug
Lens Material 2 Acrylic - Clear (dry location only) 4 Polycarbonate - Clear 7 Glass - Clear L Polycarbonate Dome - Diffused R Power Wash Glass, Clear	Operating Voltage 2 100-277 VAC / 120-250 VDC	Mounting Options H Hook N Pendant 3/4" NPT P Pendant 3/4" NPT with Safety Retention Tabs R Safety Retention Tabs with Hook	Coatings G Gray (RAL 7040)
			Option N No Option

Notes 1) Lumen type based on using a glass lens. See tables for lumens when changing lenses. 2) When ordering occupancy sensor, use prefix HC . 3) When ordering option HC , Controls = (N) No Option or (M) Occupancy Sensor.
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Ordering Information

Vigilant® LED High Bay - Corded Model



Corded Model - 3/4" Conduit - 100-277 VAC

Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Hardware Options	Wiring
HEU-7MC2-ENNW-NGN	26,250	186	141	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-7MC2-ENPW-NGN	26,250	186	141	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEU-7WC2-ENNW-NGN	26,250	186	141	CW	Glass - Clear	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-RMC2-ENNW-NGN	26,250	186	141	CW	Power Wash Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-7WC2-ENPW-NGN	26,250	186	141	CW	Glass - Clear	Wide	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEU-7MN2-ENNW-NGN	25,250	186	136	NW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-4MC2-ENNW-NGN	25,250	186	136	CW	Polycarbonate - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-2MC2-ENNW-NGN	25,250	186	136	CW	Acrylic - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-LMC2-ENPW-NGN	24,500	186	132	CW	Polycarbonate Dome - Diffused	Medium	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEU-LMC2-ENNW-NGN	24,500	186	132	CW	Polycarbonate Dome - Diffused	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-7MC2-CNNW-NGN	19,500	129	151	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-7WC2-CNNW-NGN	19,500	129	151	CW	Glass - Clear	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-7MC2-CNPW-NGN	19,500	129	151	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEU-7WC2-CNWW-NGN	19,500	129	151	CW	Glass - Clear	Wide	No controls	Safety Bracket w/ SS 316 Forward Throw Bracket	10' Power Cable
HEU-4MC2-CNNW-NGN	18,750	129	145	CW	Polycarbonate - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-7MN2-CNNW-NGN	18,750	129	145	NW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-LMC2-CNNW-NGN	18,000	129	140	CW	Polycarbonate Dome - Diffused	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-7MC2-BNNW-NGN	14,250	102	140	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-7WC2-BNNW-NGN	14,250	102	140	CW	Glass - Clear	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-7MN2-BNNW-NGN	13,750	102	135	NW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-4MC2-BNNW-NGN	13,750	102	135	CW	Polycarbonate - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-LMC2-BNPW-NGN	13,250	102	130	CW	Polycarbonate Dome - Diffused	Medium	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEU-LMC2-BNNW-NGN	13,250	102	130	CW	Polycarbonate Dome - Diffused	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-7MC2-ANNW-NGN	11,250	80	141	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-7WC2-ANNW-NGN	11,250	80	141	CW	Glass - Clear	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-LMC2-ANNW-NGN	10,250	80	128	CW	Polycarbonate Dome - Diffused	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-4MC2-ANNW-NGN	10,750	80	134	CW	Polycarbonate - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-2MC2-ANNW-NGN	10,750	80	134	CW	Acrylic - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-LWC2-ANNW-NGN	10,250	80	128	CW	Polycarbonate Dome - Diffused	Wide	No controls	Pendant 3/4" NPT	10' Power Cable

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

0-10V dimming option available for products in the above table. Replace the ninth character **N** with **D**. Ex: HEU-7MC2-**EN**NW-NGN becomes HEU-7MC2-**ED**NW-NGN.

Acrylic lens is dry location only.

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Ordering Information

Vigilant® LED High Bay - Integrated Wiring Box Model

Integrated Wiring Box Model - 100-277 VAC									
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Hardware Options	Wiring
HCU-7MC2-EDNN-NGN	26,250	186	141	CW	Glass - Clear	Medium	Dimming	Pendant 3/4" NPT	Junction box
HCU-7MC2-EMNN-NGN	26,250	186	141	CW	Glass - Clear	Medium	Occupancy Sensor	Pendant 3/4" NPT	Junction box
HCU-LMC2-EMNN-NGN	24,500	186	132	CW	Polycarbonate Dome - Diffused	Medium	Occupancy Sensor	Pendant 3/4" NPT	Junction box
HCU-LMC2-EDNN-NGN	24,500	186	132	CW	Polycarbonate Dome - Diffused	Medium	Dimming	Pendant 3/4" NPT	Junction box
HCU-7MC2-CMNN-NGN	19,500	129	151	CW	Glass - Clear	Medium	Occupancy Sensor	Pendant 3/4" NPT	Junction box with 10' Power Cable
HCU-7MC2-CDNN-NGN	19,500	129	151	CW	Glass - Clear	Medium	Dimming	Pendant 3/4" NPT	Junction box
HCU-7MC2-CMNN-NGN	19,500	129	151	CW	Glass - Clear	Medium	Occupancy Sensor	Pendant 3/4" NPT	Junction box
HCU-4WC2-CMPW-NGN	18,750	129	145	CW	Polycarbonate - Clear	Wide	Occupancy Sensor	Pendant 3/4" NPT with Safety Tabs	Junction box with 10' Power Cable
HCU-LMC2-CDNN-NGN	18,000	129	140	CW	Polycarbonate Dome - Diffused	Medium	Dimming	Pendant 3/4" NPT	Junction box
HCU-LMC2-CMNN-NGN	18,000	129	140	CW	Polycarbonate Dome - Diffused	Medium	Occupancy Sensor	Pendant 3/4" NPT	Junction box
HCU-7EC2-BMNN-NGN	14,250	102	140	CW	Glass - Clear	Oval	Occupancy Sensor	Pendant 3/4" NPT	Junction box with 10' Power Cable
HCU-7MC2-BDNN-NGN	14,250	102	140	CW	Glass - Clear	Medium	Dimming	Pendant 3/4" NPT	Junction box
HCU-7MC2-BMNN-NGN	14,250	102	140	CW	Glass - Clear	Medium	Occupancy Sensor	Pendant 3/4" NPT	Junction box
HCU-LMC2-BDNN-NGN	13,250	102	130	CW	Polycarbonate Dome - Diffused	Medium	Dimming	Pendant 3/4" NPT	Junction box
HCU-LMC2-BMNN-NGN	13,250	102	130	CW	Polycarbonate Dome - Diffused	Medium	Occupancy Sensor	Pendant 3/4" NPT	Junction box
HCU-7MC2-ADNN-NGN	11,250	80	141	CW	Glass - Clear	Medium	Dimming	Pendant 3/4" NPT	Junction box
HCU-7MC2-AMNN-NGN	11,250	80	141	CW	Glass - Clear	Medium	Occupancy Sensor	Pendant 3/4" NPT	Junction box
HCU-4MC2-AMPW-NGN	10,750	80	134	CW	Polycarbonate - Clear	Medium	Occupancy Sensor	Pendant 3/4" NPT with Safety Tabs	Junction box with 10' Power Cable
HCU-LMC2-ADNN-NGN	10,250	80	128	CW	Polycarbonate Dome - Diffused	Medium	Dimming	Pendant 3/4" NPT	Junction box
HCU-LMC2-AMNN-NGN	10,250	80	128	CW	Polycarbonate Dome - Diffused	Medium	Occupancy Sensor	Pendant 3/4" NPT	Junction box

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

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Vigilant® LED High Bay - UL / CSA

Wiring Box Model & Passive Power Supply Model - 347 & 480 VAC

Wiring Box Model - 347-480 VAC



Mechanical Information:

Fixture weight:

34 lbs (15.4 kg)

Shipping weight:

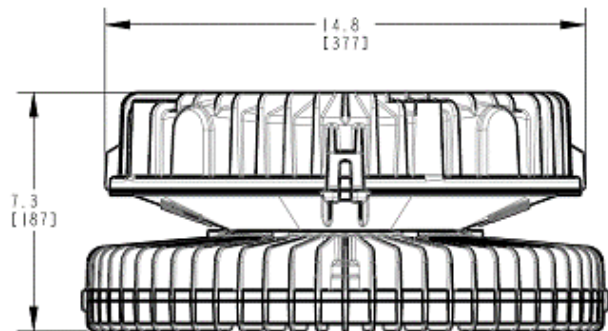
39 lbs (17.7 kg)

Mounting:

3/4" NPT - top
Various Kits

Wiring Box Cable Entries:

(4x) 3/4" NPT



Passive Power Supply Model - 347 or 480 VAC



Mechanical Information:

Fixture weight:

40 lbs (18 kg)

Shipping weight:

45 lbs (20 kg)

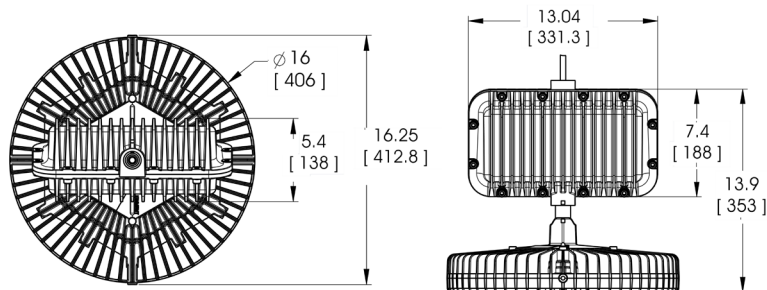
Mounting:

3/4" NPT - top
Various Kits

Power cord:

10" 18 AWG STOOW

Patent pending



Dimensions in inches (mm)

Certifications & Ratings:

10 year warranty

UL 1598/A

UL 8750

IP66 (347/480V Models)

UL844 CID2 models available (consult factory)

CSA C22.2 No. 250.0-08

NEMA 4X

L70 rated for >150,000 hours

Variable Dimming:

Variable Dimming Control: 0-10 VDC

Occupancy Sensor:

Mounting Height:

Up to 40ft

Ingress Protection:

IP66

Electrical Specifications:

Operating Voltage:

347/480 VAC

347 or 480 VAC (Passive only)

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)

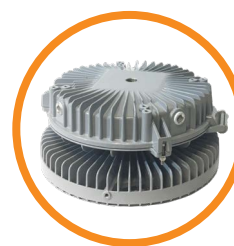
All values typical unless otherwise stated (tolerance +/- 10%)

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Vigilant® LED High Bay - UL / CSA

Wiring Box Model & Passive Power Supply Model

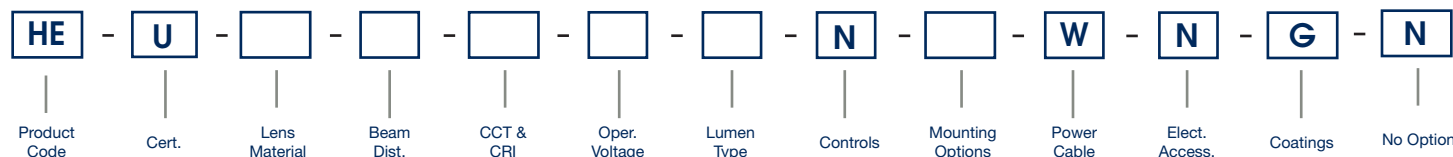
347 & 480 VAC



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

Specifications

Ordering Information



Product Code
HE High Bay Wiring Box

Beam Distribution
E Oval (Voltage option A only)
M Medium
N Narrow (Voltage option A only)
W Wide (Voltage option A only)

Lumen Type
A 11,250 Lumens
B 14,250 Lumens
C 18,000 Lumens
E 27,000 Lumens

Power Cable
W 10' (3 meter) Power Cable

Certification
U UL 1598/A, CSA

CCT & CRI
C Cool White 5000K - 80 CRI
N Neutral White 4000K - 80 CRI

Controls
N No Option

Electrical Accessories
N No Plug

Lens Material
2 Acrylic - Clear
4 Polycarbonate - Clear
7 Glass - Clear
L Polycarbonate Dome - Diffused
R Power Wash Glass, Clear

Operating Voltage
A 347-480 VAC Step Down Transformer
P 480 VAC Passive
Q 347 VAC Passive

Mounting Options
H Hook (Voltage option P, Q only)
N Pendant 3/4" NPT
P Pendant 3/4" NPT with Safety Retention Tabs
R Safety Retention Tabs with Hook

Coatings
G Gray (RAL 7040)

Option
N No Option

Notes
1) Lumen type based on using a glass lens. See tables for lumens when changing lenses.
2) When ordering Operating Voltage A , Mounting Option = (N) Pendant 3/4" NPT.
3) Passive voltage options P, Q must be (M) Medium beam distribution.
4) Occupancy sensor models available for (A) Step Down Transformer, consult factory.

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Ordering Information

Vigilant® LED High Bay - Wiring Box Model



Wiring Box Model - 347/480 VAC									
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Hardware Options	Wiring
HEU-7MCA-ENNW-NGN	27,000	215	126	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable

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

Ordering Information

Vigilant® LED High Bay - Passive Power Supply Model



Passive Power Supply Model - 480 VAC									
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Hardware Options	Wiring
HEU-7MCP-ENNW-NGN	27,000	206	131	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-7MCP-CNNW-NGN	18,000	129	140	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-7MCP-BNNW-NGN	14,250	116	123	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEU-7MCP-ANNW-NGN	11,250	73	154	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable

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

347 VAC models also available, consult factory

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Vigilant® LED Low Bay - UL / CSA

Corded Model & Integrated Wiring Box Model - 100-277 VAC

Corded Model



Mechanical Information:

Fixture weight:

18 lbs (8.16kg)

Shipping weight:

24 lbs (10.8kg)

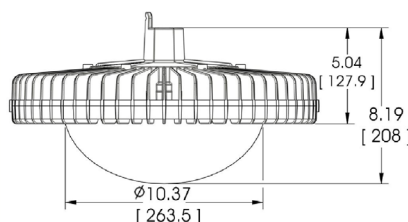
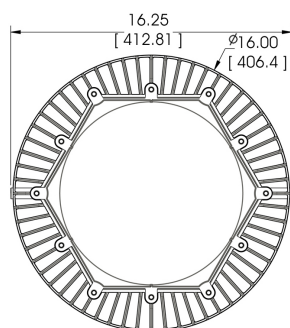
Mounting:

3/4" NPT - top

Various Kits

Power Cord:

10' 18 AWG ST00W



Integrated Wiring Box Model



Mechanical Information:

Fixture weight:

20 lbs (9 kg)

Shipping weight:

26 lbs (12 kg)

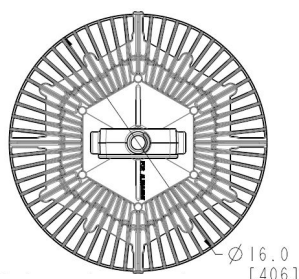
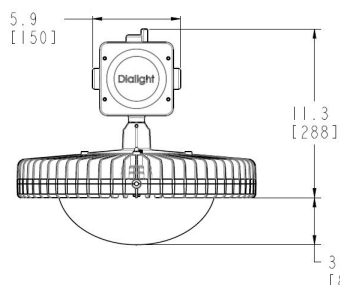
Mounting:

3/4" NPT or Hook

Various Kits

Wiring Box Cable Entries:

(2x) 3/4" NPT



Dimensions in inches (mm)

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Certifications & Ratings:

10 year warranty

UL 1598/A

UL 8750

IP66/67 (100-277 Models)

CSA C22.2 No. 250.0-08

NEMA 4X

L70 rated for >150,000 hours

Variable Dimming:

Variable Dimming Control: 0-10 VDC

Dimming Range:

10 VDC = 100% light output

0 VDC = <5% light output

Occupancy Sensor:

Mounting Height:

Up to 40ft

Ingress Protection:

IP66

Electrical Specifications:

Operating Voltage:

100-277 VAC (120-250 VDC)

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)

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

Vigilant® LED Low Bay - UL / CSA

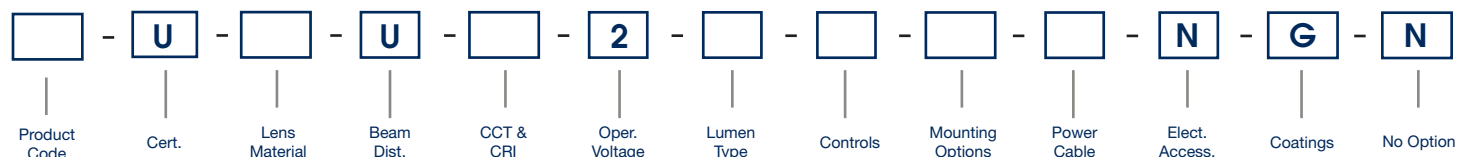
Corded & Integrated Wiring Box - 100-277 VAC



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

Specifications

Ordering Information



Product Code

LC	Low Bay Integrated Wiring Box
LE	Low Bay

Certification

U	UL 1598/A
---	-----------

Lens Material

2	Acrylic - Clear (dry location only)
3	Acrylic - Diffused
4	Polycarbonate - Clear
5	Polycarbonate - Diffused
L	Polycarbonate Dome - Diffused

Beam Distribution

U	Ultra Wide
---	------------

CCT & CRI

C	Cool White 5000K - 80 CRI
N	Neutral White 4000K - 80 CRI

Operating Voltage

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 (LC only)
N	No Option (LE only)

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 (LC only)
W	10' [3 meter] Power Cable (LE only)

Electrical Accessories

N	No Plug
---	---------

Coatings

G	Gray (RAL 7040)
---	-----------------

Option

N	No Option
---	-----------

Notes

- 1) Lumen type based on using a polycarbonate dome lens. See tables for lumens when changing lenses.
- 2) Acrylic lens dry location only.
- 3) When ordering occupancy sensor, use prefix LC.

DISCLAIMER. All product information provided is, to the best of Dialight's knowledge, accurate as of the date of publication. When ordering, refer to www.dialight.com for current versions of: (a) relevant product documentation (including the relevant product data sheets); (b) Dialight terms and conditions of sale; and, (c) the relevant product warranty. To the extent that any contract is deemed formed between Dialight and the purchaser of Dialight products and/or an end-user, versions of documents available at www.dialight.com as at the date of sale shall be the versions incorporated therein. In the event of any discrepancy between this document or information provided at www.dialight.com, the latter shall prevail.

Ordering Information

Vigilant® LED Low Bay - Corded Model



Corded Model - 3/4" Conduit - 100-277 VAC									
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Hardware Options	Power Cable
LEU-LUC2-9NNW-NGN	9,000	80	113	CW	Polycarbonate Dome - Diffused	Ultra Wide	No controls	Pendant 3/4" NPT	10' Power Cable
LEU-LUC2-9NPW-NGN	9,000	80	113	CW	Polycarbonate Dome - Diffused	Ultra Wide	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
LEU-LUN2-9NNW-NGN	8,750	80	109	NW	Polycarbonate Dome - Diffused	Ultra Wide	No controls	Pendant 3/4" NPT	10' Power Cable
LEU-LUC2-6NNW-NGN	6,000	56	107	CW	Polycarbonate Dome - Diffused	Ultra Wide	No controls	Pendant 3/4" NPT	10' Power Cable
LEU-LUN2-6NNW-NGN	5,800	56	104	NW	Polycarbonate Dome - Diffused	Ultra Wide	No controls	Pendant 3/4" NPT	10' Power Cable
LEU-LUC2-4NNW-NGN	4,000	42	95	CW	Polycarbonate Dome - Diffused	Ultra Wide	No controls	Pendant 3/4" NPT	10' Power Cable
LEU-LUN2-4NNW-NGN	3,900	42	93	NW	Polycarbonate Dome - Diffused	Ultra Wide	No controls	Pendant 3/4" NPT	10' Power Cable

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

0-10V dimming option available for products in the above table. Replace the ninth character **N** with **D**. Ex: LEU-LUC2-9**N**NW-NGN becomes LEU-LUC2-9**D**NW-NGN.

Ordering Information

Vigilant® LED Low Bay - Integrated Wiring Box Model



Integrated Wiring Box Model - 100-277 VAC									
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Hardware Options	Power Cable
LCU-LUC2-9DNW-NGN	9,000	80	113	CW	Polycarbonate Dome - Diffused	Ultra Wide	Dimming	Pendant 3/4" NPT	10' Power Cable
LCU-LUC2-6MNW-NGN	6,000	56	107	CW	Polycarbonate Dome - Diffused	Ultra Wide	Occupancy Sensor	Pendant 3/4" NPT	10' Power Cable
LCU-LUC2-4MNW-NGN	4,000	42	95	CW	Polycarbonate Dome - Diffused	Ultra Wide	Occupancy Sensor	Pendant 3/4" NPT	10' Power Cable

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

Specification sheets with additional options available, with extended lead times, are available on page 10

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Vigilant® LED Low Bay - UL / CSA

Wiring Box Model - 347-480 VAC



Mechanical Information:

Fixture weight:

34 lbs (15.4 kg)

Shipping weight:

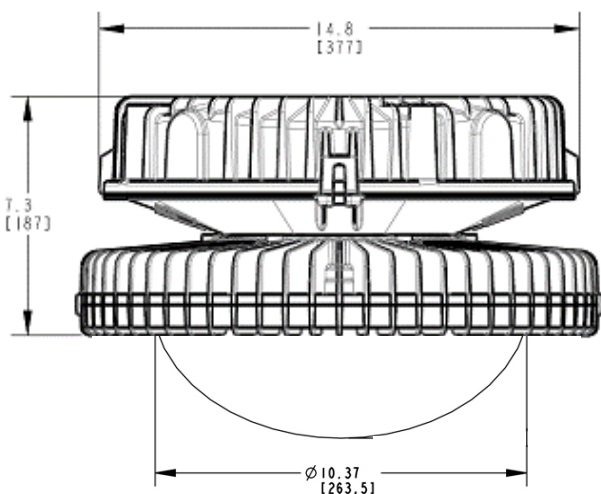
39 lbs (17.7 kg)

Mounting:

3/4" NPT - top
Various Kits

Wiring Box Cable Entries:

(4x) 3/4" NPT



Dimensions in inches (mm)

Certifications & Ratings:

10 year warranty

UL 1598/A (wet locations)

UL 8750

IP66 (347/480V Models)

CSA C22.2 No. 250.0-08

NEMA 4X

L70 rated for >150,000 hours

Variable Dimming:

Variable Dimming Control: 0-10 VDC

Dimming Range:

10 VDC = 100% light output

0 VDC = <5% light output

Occupancy Sensor:

Mounting Height:

Up to 40ft

Ingress Protection:

IP66

Electrical Specifications:

Operating Voltage:

347-480 VAC (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)

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

WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

Vigilant® LED Low Bay - UL / CSA

Wiring Box Model - 347-480 VAC



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

Specifications

Ordering Information

LE	-	U	-	L	-	U	-		-	A	-		-		-	W	-	N	-	G	-	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

LE Low Bay Wiring Box

Beam Distribution

U Ultra Wide

Lumen Type

6 6,000 Lumens
9 9,000 Lumens

Power Cable

W 10' (3 meter) Power Cable

Certification

U UL 1598/A, CSA

CCT & CRI

C Cool White 5000K - 80 CRI
N Neutral White 4000K - 80 CRI

Controls

D Dimming
N No Option

Electrical Accessories

N No Plug

Lens Material

L Polycarbonate Dome - Diffused

Operating Voltage

A 347-480 VAC Step Down Transformer

Mounting Options

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

Coatings

G Gray (RAL 7040)

Notes

1) Lumen type based on using a polycarbonate dome lens and cool white LEDs. See tables for lumens when changing lenses.

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Ordering Information

Vigilant® LED Low Bay - Wiring Box Model



Wiring Box Model - 347-480 VAC									
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Hardware Options	Power Cable
LEU-LUCA-9NNW-NGN	9,000	109	83	CW	Polycarbonate Dome - Diffused	Ultra Wide	No controls	Pendant 3/4" NPT	10' Power Cable
LEU-LUCA-9DNW-NGN	9,000	109	83	CW	Polycarbonate Dome - Diffused	Ultra Wide	Dimming	Pendant 3/4" NPT	10' Power Cable
LEU-LUCA-6NNW-NGN	6,000	85	71	CW	Polycarbonate Dome - Diffused	Ultra Wide	No controls	Pendant 3/4" NPT	10' Power Cable
LEU-LUCA-6DNW-NGN	6,000	85	71	CW	Polycarbonate Dome - Diffused	Ultra Wide	Dimming	Pendant 3/4" NPT	10' Power Cable
LEU-LUNA-6NNW-NGN	5,800	85	68	NW	Polycarbonate Dome - Diffused	Ultra Wide	No controls	Pendant 3/4" NPT	10' Power Cable

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

SafeSite® LED High Bay - UL / CSA

Class I, Div. 1 and Class I, Zone 1 - 100-277 VAC



Mechanical Information:

Fixture weight:

30 lbs (14 kg)

Shipping weight:

35 lbs (19 kg)

Mounting:

3/4" NPT - top

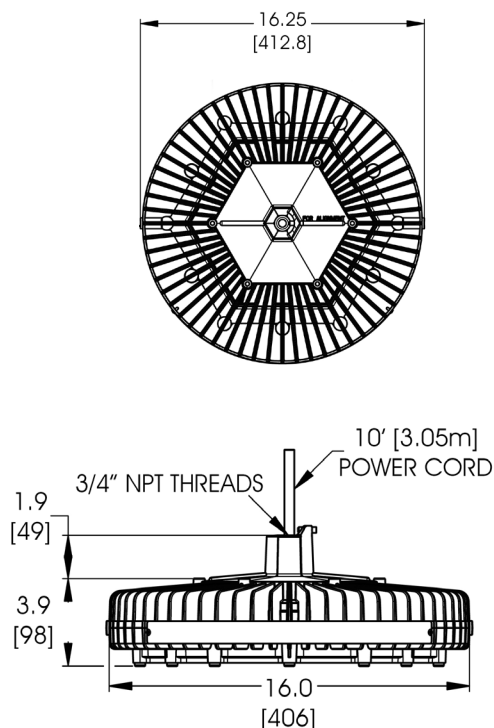
Various Kits

Power Cord:

10' 18 AWG STOOW

Class I, Div. 1 Groups C, D
Class I, Div. 1 Groups B, C, D
Class I Zone 1, Groups IIB
Class I, Div. 2 Groups C, D
Class II, Div. 1 Groups E, F, G
Class II, Div. 2 Groups F, G

*Group B applies to HEP models only



Dimensions in inches (mm)

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:

10 year warranty

UL 844 (wet locations)

CSA 22.2 No. 137-M81

IP66/67 (100-277 Models)

NEMA 4X

UL 8750

L70 rated for >150,000 hours

Variable Dimming:

Variable Dimming Control:

0-10 VDC

Dimming Range:

10 VDC = 100% light output

0 VDC = <5% light output

Electrical Specifications:

Operating voltage:

100-277 VAC, 120-250 VDC

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

Cabling:

STOOW 1.02mm 18 gauge AWG

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)

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

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SafeSite® LED High Bay - UL / CSA

Class I, Div. 1 and Class I, Zone 1 - 100-277 VAC



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

Ordering Information

HE	-		-	7	-		-		-	2	-		-	N	-		-	W	-	N	-	G	-	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

HE High Bay 3/4" NPT

Certification

C UL 844, CID1, Class I, Zone 1
M UL 844, CID1 Paint Spray Class I, Zone 1
P UL 844, CID1 Group B, Class I, Zone 1

Lens Material

7 Glass - Clear

Beam Distribution

E Oval
M Medium
N Narrow
W Wide

CCT & CRI

C Cool White 5000K - 80 CRI
N Neutral White 4000K - 80 CRI

Operating Voltage

2 100-277 VAC / 120-250 VDC

Lumen Type

A 9,500 Lumens
B 12,500 Lumens
C 16,000 Lumens
E 23,500 Lumens

Controls

N No Option

Mounting Options

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

Power Cable

W 10' [3 meter] Power Cable

Electrical Accessories

N No Plug

Coatings

G Gray (RAL 7040)

Option

N No Option

Notes

1) Lumen type based on using a glass lens. See tables for lumens when changing lenses.

Ordering Information

SafeSite® LED High Bay

Class I, Div. 1 and Class I, Zone 1 - 100-277 VAC



Class I, Div. 1 and Class I, Zone 1 - 100-277 VAC										
Part Number	Lumens	Wattage	lm/W	Certification	CCT	Lens	Beam Distribution	Controls Option	Hardware Options	Wiring
HEC-7WC2-ENNW-NGN	23,500	186	126	CID1	CW	Glass - Clear	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MC2-ENPW-NGN	23,500	186	126	CID1	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEM-7MC2-ENNW-NGN	23,500	186	126	Paint Spray	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MC2-CNNW-NGN	16,000	129	124	CID1	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7WC2-CNPW-NGN	16,000	129	124	CID1	CW	Glass - Clear	Wide	No controls	Safety Bracket w/ SS 316 Forward Throw Bracket	10' Power Cable
HEC-7MC2-CNPW-NGN	16,000	129	124	CID1	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEC-7WC2-CNTW-NGN	16,000	129	124	CID1	CW	Glass - Clear	Wide	No controls	Safety Bracket w/ Locking Swivel Mount/Bracket SS316	10' Power Cable
HEC-7WC2-CNNW-NGN	16,000	129	124	CID1	CW	Glass - Clear	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7WC2-CNPW-NGN	16,000	129	124	CID1	CW	Glass - Clear	Wide	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEM-7MC2-CNNW-NGN	16,000	129	124	Paint Spray	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MC2-BNNW-NGN	12,500	102	123	CID1	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7WC2-BNPW-NGN	12,500	102	123	CID1	CW	Glass - Clear	Wide	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEM-7WC2-BNNW-NGN	12,500	102	123	Paint Spray	CW	Glass - Clear	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7WC2-BNNW-NGN	12,500	102	123	CID1	CW	Glass - Clear	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MC2-BNPW-NGN	12,500	102	123	CID1	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEM-7WN2-ANNW-NGN	9,500	80	119	Paint Spray	NW	Glass - Clear	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MC2-ANNW-NGN	9,500	80	119	CID1	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7WC2-ANNW-NGN	9,500	80	119	CID1	CW	Glass - Clear	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MN2-ANNW-NGN	9,250	80	116	CID1	NW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable

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

0-10V dimming option available for products in the above table. Replace the ninth character **N** with **D**. Ex: HEC-7WC2-ENNW-NGN becomes HEC-7WC2-EDNW-NGN.

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SafeSite® LED High Bay - UL / CSA

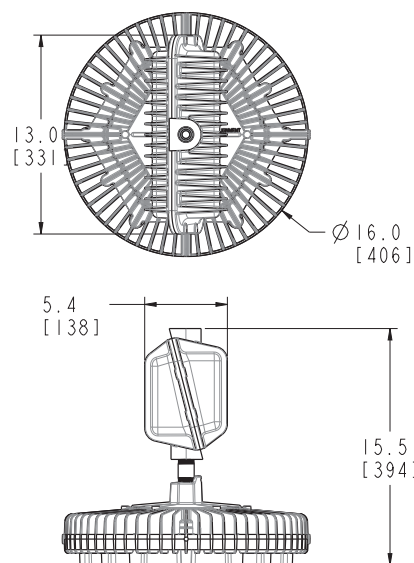
Class I, Div. 1 Passive Power Supply Model - 347 or 480 VAC



Patent pending

Certifications & Ratings:

- UL 844 (wet locations)
- CSA C22.2 No. 137-M81
- IP66/67
- NEMA 4X
- L70 rated for >150,000 hours
- Class I, Div. 1 Groups C, D
- Zone 1, Group IIB
- Class I, Div. 2 Groups C, D
- Class II, Div. 1 Groups E, F, G
- Class II, Div. 2 Groups F, G



Dimensions in inches (mm)

Mechanical Information:

Fixture weight: 52 lbs (23.6 kg)

Shipping weight: 59 lbs (26.8 kg)

Mounting: 3/4" NPT - top

Temperature Ratings:

Ambient temp range T4A 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 +55°C)

Electrical Specifications:

Operating voltage: 347 or 480 VAC
(see part number table)

Total system power consumption: See table

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

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

Transient protection: Tested for 10kV/2 ohm combination wave, as per IEEE C62.41, line-line and line ground

THD: <10K <30%
>10K <20%

Power factor: >0.9

Fusing: Internal

Construction:

Housing: Copper free aluminum

Finish: Superior dual coat finish
- Sealed polyester topcoat
- Epoxy primer

Lens: See table

Photometric Information:

CRI: 80

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

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

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SafeSite® LED High Bay - UL / CSA

Class I, Div. 1 Passive Power Supply Model - 347 or 480 VAC



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

Ordering Information

HE	-	C	-	7	-	M	-		-		-		-	N	-		-	W	-	N	-	G	-	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				Beam Distribution				Lumen Type¹				Power Cable												
HE High Bay Passive Power Supply				M Medium				A 9,500 Lumens				W 10' (3 meter) Power Cable												
Certification				CCT & CRI				Controls				Electrical Accessories												
C UL 844 CID1				C Cool White 5000K - 80 CRI				N No Option				N No Plug												
Lens Material				Operating Voltage				Mounting Options				Coatings												
7 Glass - Clear				P 480 VAC				N Pendant 3/4" NPT				G Gray (RAL 7040)												
				Q 347 VAC				P Pendant 3/4" NPT with Safety Retention Tabs				Option												
												N No Option												

Notes

1) Lumen values provided for reference only. Actual lumen values provided in the table on page 3.

Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
347 VAC Models								
HEC-7MCQ-ENNW-NGN	27,400	206	133	5000K (cool white)	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEC-7MCQ-CNNW-NGN	18,300	136	135	5000K (cool white)	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEC-7MCQ-BNNW-NGN	13,200	100	132	5000K (cool white)	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEC-7MCQ-ANNW-NGN	9,800	81	121	5000K (cool white)	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
480 VAC Models								
HEC-7MCP-ENNW-NGN	27,200	206	132	5000K (cool white)	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEC-7MCP-CNNW-NGN	18,200	129	141	5000K (cool white)	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEC-7MCP-BNNW-NGN	15,200	116	131	5000K (cool white)	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEC-7MCP-ANNW-NGN	9,400	73	129	5000K (cool white)	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable

All values typical unless otherwise stated (tolerance +/- 10%)
See ordering chart for additional options.

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SafeSite® LED High Bay - UL / CSA

Class I, Div. 2 and Class I, Zone 2 - 100-277 VAC

Corded Model



Mechanical Information:

Fixture weight:

18 lbs (8.16kg)

Shipping weight:

24 lbs (10.8kg)

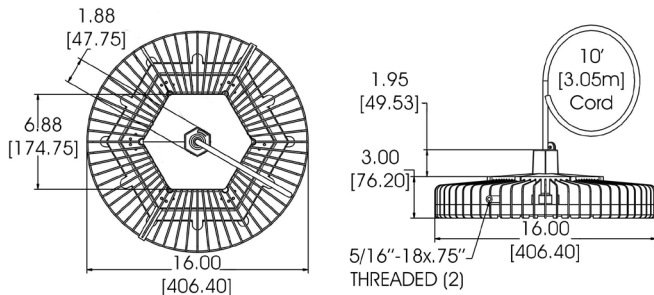
Mounting:

3/4" NPT - top
Various Kits

Power Cord:

10' 18 AWG ST00W

Patent pending



Integrated Wiring Box Model



Mechanical Information:

Fixture weight:

20 lbs (9 kg)

Shipping weight:

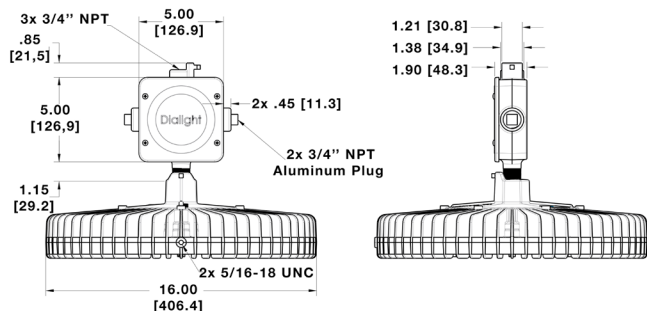
26 lbs (12 kg)

Mounting:

3/4" NPT or Hook

Wiring Box Cable Entries:

(2x) 3/4" NPT



Dimensions in inches (mm)

WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

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:

10 year warranty
 UL 844 (wet locations) NEMA 4X
 CSA 22.2 No. 137-M81 UL 8750
 IP66/67 (100-277 Models) L70 rated for >150,000 hours
 Class I, Div. 2 Groups A, B, C, D
 Class I, Zone 2, Group IIC
 Class II, Div. 1 Groups E, F, G
 Class II, Div. 2 Groups F, G
 Class III, Div. 1 & 2

Variable Dimming:

Variable Dimming Control: 0-10 VDC

Dimming Range:

10 VDC = 100% light output
 0 VDC = <5% light output

Electrical Specifications:

Operating voltage: 100-277 VAC, 120-250 VDC

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)

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

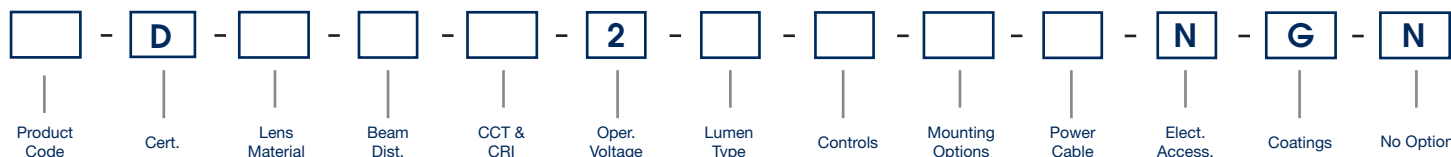
SafeSite® LED High Bay - UL / CSA

Class I, Div. 2 and Class I, Zone 2 - 100-277 VAC



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

Ordering Information



Product Code HC High Bay Integrated Pendant Wiring Box HE High Bay 3/4" NPT	Beam Distribution E Oval M Medium N Narrow W Wide	Lumen Type A 11,250 Lumens B 14,250 Lumens C 19,500 Lumens E 26,250 Lumens	Power Cable N No Cord (HC only) W 10' [3 meter] Power Cable (HE only)
Certification D UL 844 CID2, CII, CIII Class I, Zone 2	CCT & CRI C Cool White 5000K - 80 CRI N Neutral White 4000K - 80 CRI	Controls D Dimming (0-10V) N No Option	Electrical Accessories N No Plug
Lens Material 4 Polycarbonate - Clear 7 Glass - Clear L Polycarbonate Dome - Diffused R Power Wash Glass, Clear	Operating Voltage 2 100-277 VAC / 120-250 VDC	Mounting Options H Hook (HC only) N Pendant 3/4" NPT P Pendant 3/4" NPT with Safety Retention Tabs R Safety Retention Tabs with Hook (HC only)	Coatings G Gray (RAL 7040)
			Option N No Option

Notes 1) Lumen type based on using a glass lens. See tables for lumens when changing lenses. 2) Acrylic lens dry location only.
--

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Ordering Information

Class I, Div. 2 and Class I, Zone 2 - 100-277 VAC



Corded Model - Class I, Div. 2 and Class I, Zone 2 - 100-277 VAC

Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Hardware Options	Wiring
HED-7WC2-ENNW-NGN	26,250	186	141	CW	Glass - Clear	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HED-7MC2-ENPW-NGN	26,250	186	141	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HED-7WC2-ENPW-NGN	26,250	186	141	CW	Glass - Clear	Wide	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HED-7WC2-ENTW-NGN	26,250	186	141	CW	Glass - Clear	Wide	No controls	Safety Bracket w/ Locking Swivel Mount/ Bracket SS316	10' Power Cable
HED-7MC2-ENNW-NGN	26,250	186	141	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HED-7WC2-ENW-NGN	26,250	186	141	CW	Glass - Clear	Wide	No controls	Safety Bracket w/ SS 316 Forward Throw Bracket	10' Power Cable
HED-4MC2-ENNW-NGN	25,250	186	136	CW	Polycarbonate - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HED-7WC2-CNW-NGN	19,500	129	151	CW	Glass - Clear	Wide	No controls	Safety Bracket w/ SS 316 Forward Throw Bracket	10' Power Cable
HED-7MC2-CNPW-NGN	19,500	129	151	CW	Glass - Clear	Medium	No controls	Safety Tabs	10' Power Cable
HED-7WC2-CNNW-NGN	19,500	129	151	CW	Glass - Clear	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HED-7WC2-CNTW-NGN	19,500	129	151	CW	Glass - Clear	Wide	No controls	Safety Bracket w/ Locking Swivel Mount/ Bracket SS316	10' Power Cable
HED-4MC2-CNNW-NGN	18,750	129	145	CW	Polycarbonate - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HED-7MC2-CNNW-NGN	19,500	129	151	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HED-7MC2-BNNW-NGN	14,250	102	140	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HED-7WC2-BNPW-NGN	14,250	102	140	CW	Glass - Clear	Wide	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HED-7MC2-BNPW-NGN	14,250	102	140	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HED-7MN2-BNPW-NGN	13,750	102	135	NW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HED-7WC2-BNNW-NGN	14,250	102	140	CW	Glass - Clear	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HED-4MC2-BNNW-NGN	13,750	102	135	CW	Polycarbonate - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HED-7MC2-ANNW-NGN	11,250	80	141	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HED-7MC2-ANPW-NGN	11,250	80	141	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HED-7WC2-ANNW-NGN	11,250	80	141	CW	Glass - Clear	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HED-4MC2-ANNW-NGN	10,750	80	134	CW	Polycarbonate - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HED-5MC2-ANNW-NGN	10,500	80	131	CW	Polycarbonate - Diffused	Medium	No controls	Pendant 3/4" NPT	10' Power Cable

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

0-10V dimming option available for products in the above table. Replace the ninth character **N** with **D**. Ex: HED-7MC2-**EN**NW-NGN becomes HED-7MC2-**ED**NW-NGN.

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SafeSite® LED High Bay - UL / CSA

Wiring Box Model & Passive Power Supply Model - 347 and 480 VAC

Wiring Box Model - 347-480 VAC



Mechanical Information:

Fixture weight:

34 lbs (15.4 kg)

Shipping weight:

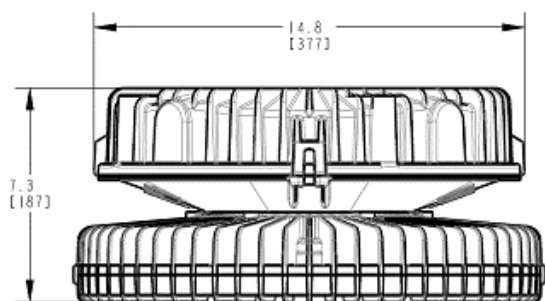
39 lbs (17.7 kg)

Mounting:

3/4" NPT - top
Various Kits

Wiring Box Cable Entries:

(4x) 3/4" NPT



Passive Power Supply Model - 347 or 480 VAC



Mechanical Information:

Fixture weight:

40 lbs (18 kg)

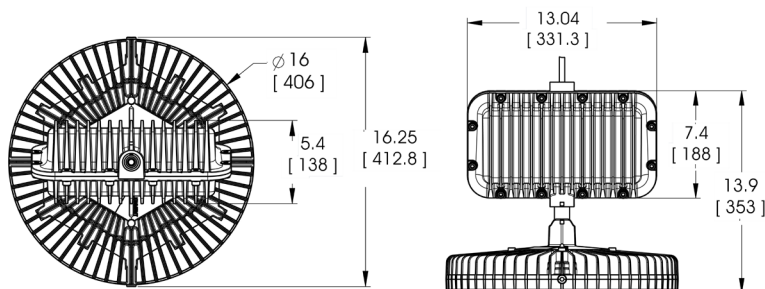
Shipping weight:

45 lbs (20 kg)

Mounting:

3/4" NPT - top
Various Kits

Patent pending



Dimensions in inches (mm)

Certifications & Ratings:

10 year warranty

UL 1598/A (wet locations)

UL 8750

IP66 (347/480V Models)

Class I, Div. 2 Groups A, B, C, D

Class I, Zone 2, Group IIC

Class II, Div. 1 Groups E, F, G

Class II, Div. 2 Groups F, G

Class III, Div. 1 & 2

CSA C22.2 No. 250.0-08

NEMA 4X

L70 rated for >150,000 hours

Variable Dimming:

Variable Dimming Control: 0-10 VDC

Electrical Specifications:

Operating Voltage:

347/480 VAC

347 or 480 VAC (Passive only)

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:

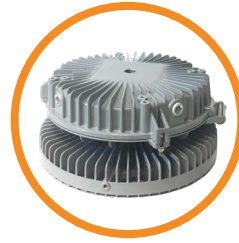
5000K (cool white)
4000K (neutral white)

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

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SafeSite® LED High Bay - UL / CSA

Wiring Box Model & Passive Power Supply Model - 347 and 480 VAC



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

Specifications

Ordering Information

HE	-	D	-		-		-		-		-	N	-	G	-	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

HE High Bay Wiring Box

Certification

D UL 844 CID2, CII, CIII
Class I, Zone 2

Lens Material

4 Polycarbonate - Clear
7 Glass - Clear
L Polycarbonate Dome - Diffused
R Power Wash Glass, Clear

Beam Distribution

E Oval
M Medium (required for voltage P, Q)
N Narrow
W Wide

CCT & CRI

C Cool White 5000K - 80 CRI
N Neutral White 4000K - 80 CRI

Operating Voltage

A 347-480 VAC Step Down Transformer
P 480 VAC
Q 347 VAC

Lumen Type

A 11,250 Lumens
B 14,250 Lumens
C 18,000 Lumens
E 27,000 Lumens

Controls

D Dimming (Voltage option A only)
N No Dimming

Mounting Options

H Hook (Voltage option A only)
N Pendant 3/4" NPT
P Pendant 3/4" NPT with Safety Retention Tabs
R Safety Retention Tabs with Hook (Voltage option A only)

Power Cable

N No Cord (Voltage option A only)
W 10' (3 meter) Power Cable

Electrical Accessories

N No Plug

Coatings

G Gray (RAL 7040)

Option

N No Option

Notes

- 1) Lumen type based on using a glass lens. See tables for lumens when changing lenses.
- 2) Passive must be (M) Medium beam distribution.

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Ordering Information

SafeSite® LED High Bay - Wiring Box Model



Wiring Box Model - 347-480 VAC									
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Hardware Options	Wiring
HED-7MCA-CDNW-NGN	19,500	158	123	CW	Glass - Clear	Medium	Dimming	Pendant 3/4" NPT	10' Power Cable
HED-7MCA-BDNW-NGN	14,250	131	109	CW	Glass - Clear	Medium	Dimming	Pendant 3/4" NPT	10' Power Cable
HED-4MCA-BDNW-NGN	13,000	122	107	CW	Polycarbonate - Clear	Medium	Dimming	Pendant 3/4" NPT	10' Power Cable
HED-4MCA-ADNW-NGN	10,000	101	99	CW	Polycarbonate - Clear	Medium	Dimming	Pendant 3/4" NPT	10' Power Cable

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

Ordering Information

SafeSite® LED High Bay - Passive Power Supply Model



Passive Power Supply Model - 480 VAC									
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Hardware Options	Wiring
HED-7MCP-ENNW-NGN	27,000	206	131	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HED-7MCP-CNNW-NGN	18,000	129	140	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HED-7MCP-BNNW-NGN	14,250	116	123	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HED-7MCP-ANNW-NGN	11,250	73	154	CW	Glass - Clear	Medium	No controls	Pendant 3/4" NPT	10' Power Cable

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

347 VAC models also available, consult factory

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SafeSite® LED Low Bay - UL / CSA

Corded Model & Integrated Wiring Box Model - 100-277 VAC

Corded Model



Mechanical Information:

Fixture weight:

18 lbs (8.16kg)

Shipping weight:

24 lbs (10.8kg)

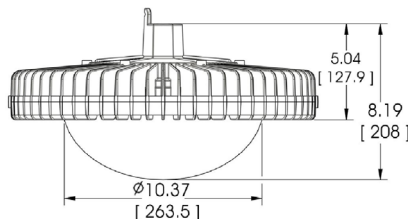
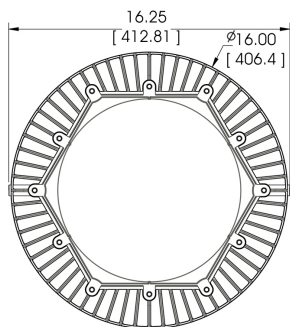
Mounting:

3/4" NPT - top

Various Kits

Power Cord:

10' 18 AWG STOOW



Integrated Wiring Box Model



Mechanical Information:

Fixture weight:

20 lbs (9 kg)

Shipping weight:

26 lbs (12 kg)

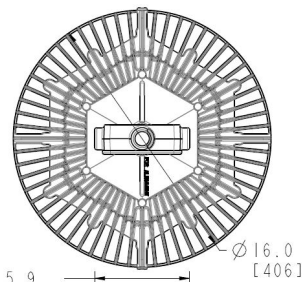
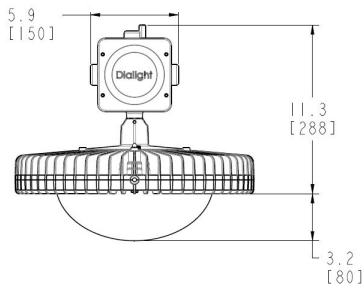
Mounting:

3/4" NPT or Hook

Various Kits

Wiring Box Cable Entries:

(2x) 3/4" NPT



Dimensions in inches (mm)

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Certifications & Ratings:

10 year warranty

UL 1598/A (wet locations)

UL 8750

IP66/67 (100-277 Models)

Class I, Div. 2, Groups A, B, C, D

Class I, Zone 2, Group IIC

Class II, Div. 1 Groups E, F, G

Class II, Div. 2 Groups F, G

Class III, Div. 1 & 2

CSA C22.2 No. 250.0-08

NEMA 4X

L70 rated for >150,000 hours

Variable Dimming:

Variable Dimming Control: 0-10 VDC

Dimming Range:

10 VDC = 100% light output

0 VDC = <5% light output

Electrical Specifications:

Operating Voltage:

100-277 VAC (120-250 VDC)

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 (tolerance +/- 10%)

SafeSite® LED Low Bay - UL / CSA

Corded & Integrated Wiring Box - 100-277 VAC



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

Specifications

Ordering Information

	-	D	-		-	U	-		-	2	-		-		-		-		-	N	-	G	-	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 LC Low Bay Integrated Wiring Box LE Low Bay	Beam Distribution U Ultra Wide	Lumen Type 4 4,000 Lumens 6 6,000 Lumens 9 9,000 Lumens B 14,000 Lumens C 18,000 Lumens	Power Cable N No Cord (LC only) W 10' [3 meter] Power Cable (LE only)
Certification D UL 844 CID2, CII, CIII Class I, Zone 2	CCT & CRI C Cool White 5000K - 80 CRI N Neutral White 4000K - 80 CRI	Controls D Dimming (0-10V) N No Option	Electrical Accessories N No Plug
Lens Material 4 Polycarbonate - Clear 5 Polycarbonate - Diffused L Polycarbonate Dome - Diffused	Operating Voltage 2 100-277 VAC / 120-250 VDC	Mounting Options H Hook (LC only) N Pendant 3/4" NPT P Pendant 3/4" NPT with Safety Retention Tabs R Safety Retention Tabs with Hook (LE option only)	Coatings G Gray (RAL 7040)
			Option N No Option

Corded Model - Class I, Div. 2 - 100-277 VAC									
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Controls Option	Hardware Options	Power Cable
LED-LUC2-CNNW-NGN	18,000	154	117	CW	Polycarbonate Dome - Diffused	Ultra Wide	No controls	Pendant 3/4" NPT	10' Power Cable
LED-LUC2-BNNW-NGN	14,000	114	123	CW	Polycarbonate Dome - Diffused	Ultra Wide	No controls	Pendant 3/4" NPT	10' Power Cable
LED-LUC2-9NNW-NGN	9,000	80	113	CW	Polycarbonate Dome - Diffused	Ultra Wide	No controls	Pendant 3/4" NPT	10' Power Cable
LED-LUC2-6NNW-NGN	6,000	56	107	CW	Polycarbonate Dome - Diffused	Ultra Wide	No controls	Pendant 3/4" NPT	10' Power Cable

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

0-10V dimming option available for products in the above table. Replace the ninth character **N** with **D**. Ex: LEU-LUC2-9NNW-NGN becomes LEU-LUC2-9DNNW-NGN.

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Lumen Tables

Vigilant High Bay 100-277 VAC, 120-250 VDC							
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 100-277 VAC							
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

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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

Notes

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

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

Notes

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

Lumen Tables - Low Bay

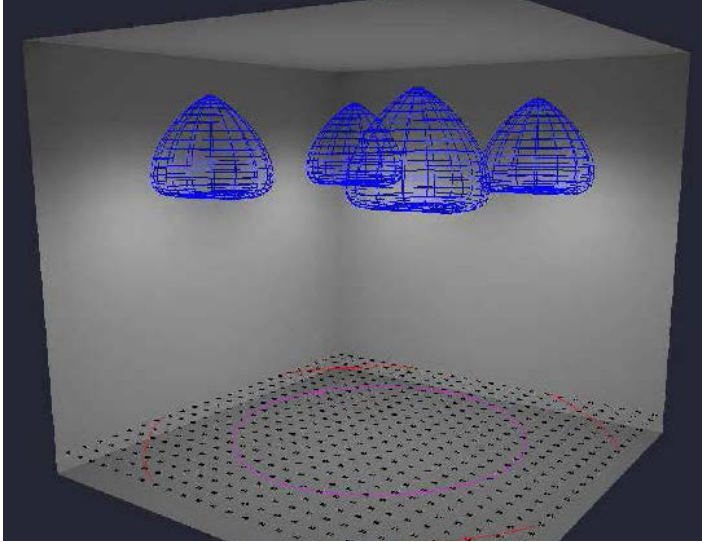
Vigilant Low Bay 100-277V AC, 120-250V DC							
Lumen Letter	Wattage	Lens	Material	Diffused	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
C	154	L	Polycarbonate Dome	Yes	18,000	17,500	15,250
	154	4	Polycarbonate	No	17,750	17,250	15,000
	154	2	Acrylic	No	17,500	17,000	14,750
	154	5	Polycarbonate	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

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Lighting Layouts

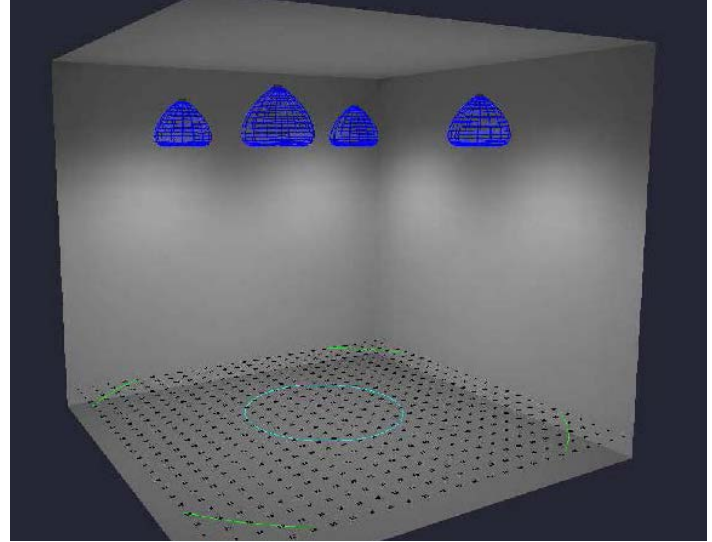
Hxx7MCxEx-xxxx

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



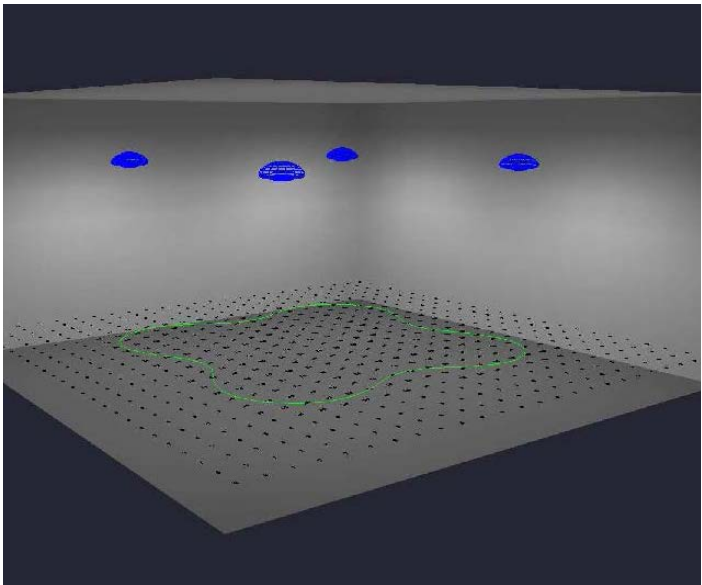
Hxx7MCxBx-xxxx

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



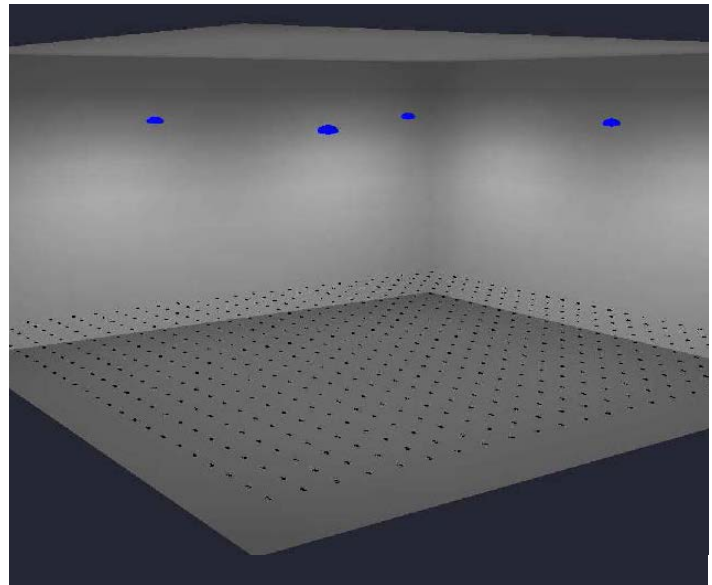
LxxLUCx9x-xxxx

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

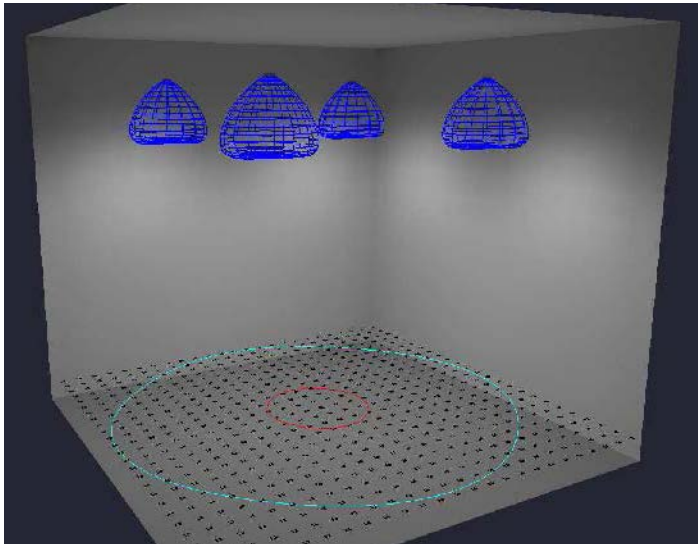
Calculation Summary - Mounting Height: 15' Workplane: 2.5'						
Calc Type	Units	Avg	Max	Min	Avg/Max	Max/Min
Illuminance	fc	3.54	4	2	1.77	2.00



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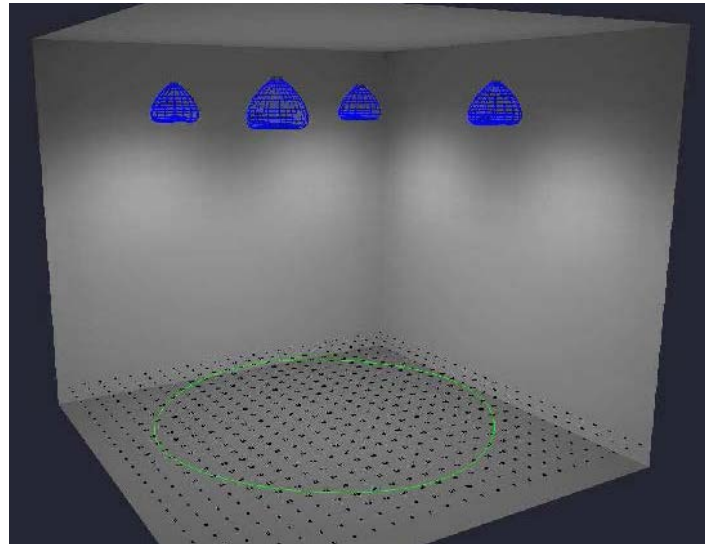
Hxx7MCxDx-xxxx

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



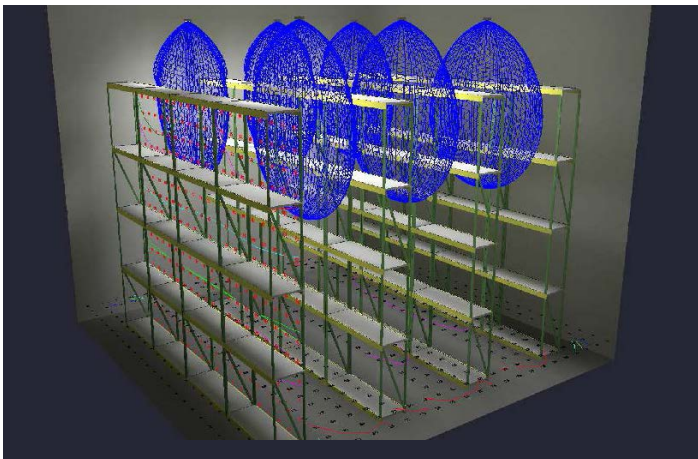
Hxx7MCxAx-xxxx

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



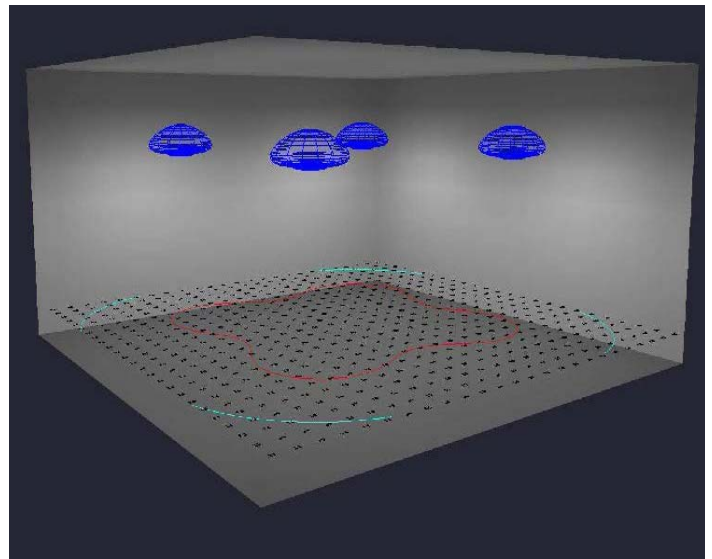
Hxx7ECxEx-xxxx

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

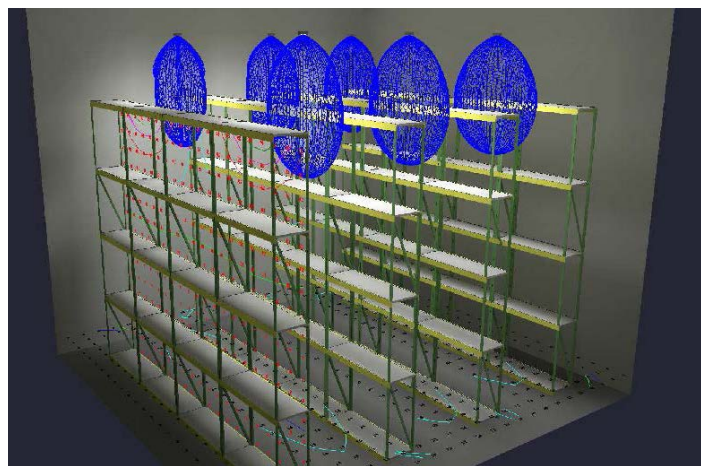


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Lighting Layouts

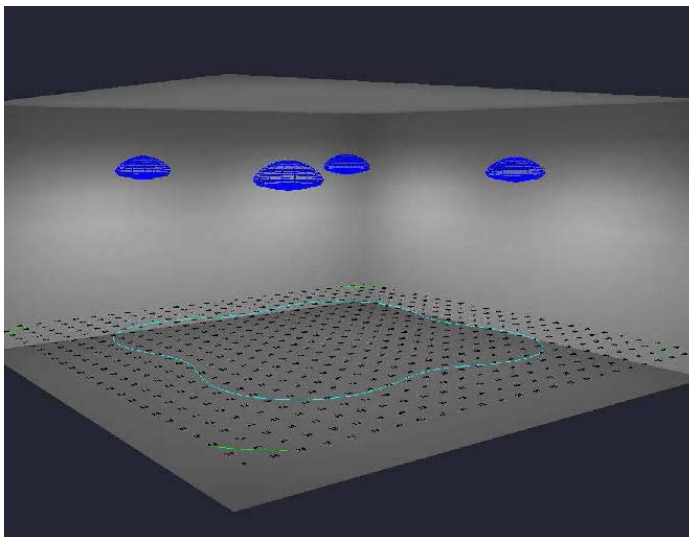
Hxx7ECxBx-xxxx

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



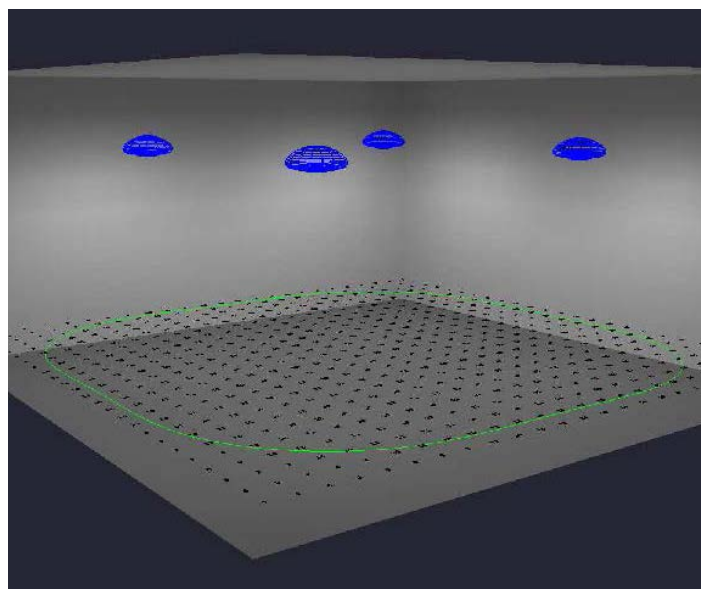
LxxLUCxBx-xxxx

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



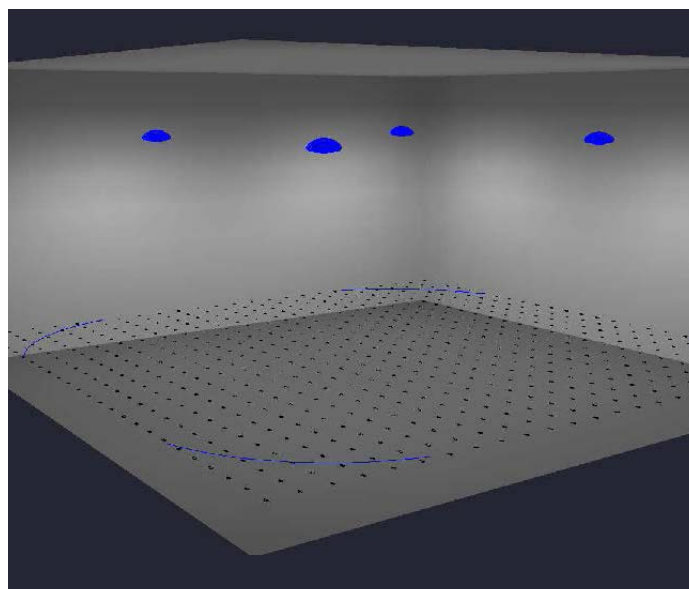
LxxLUCxAx-xxxx

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

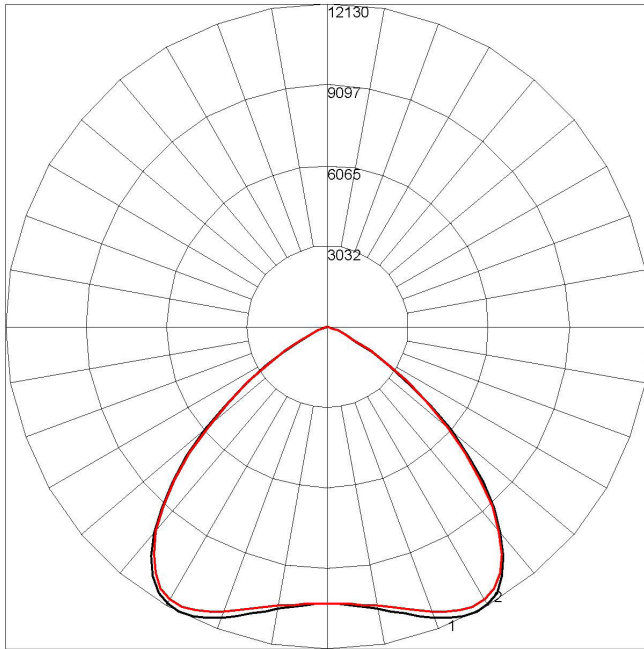


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Beam Distribution

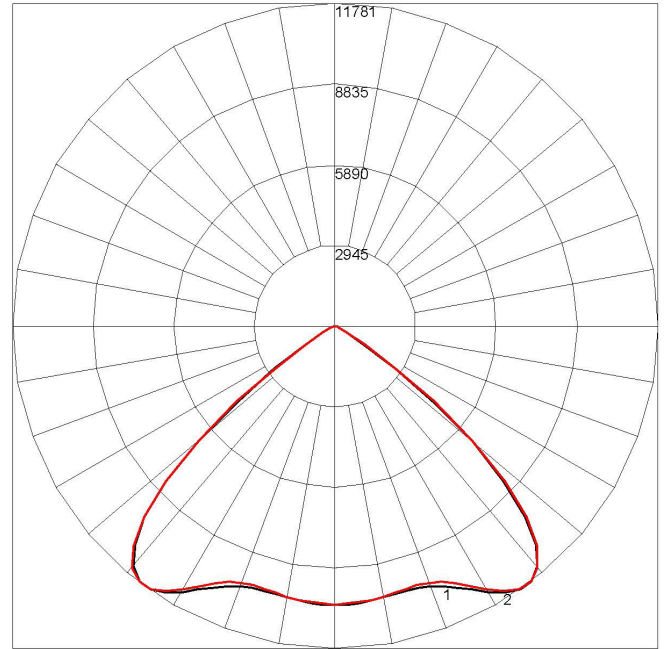


High Bay Medium



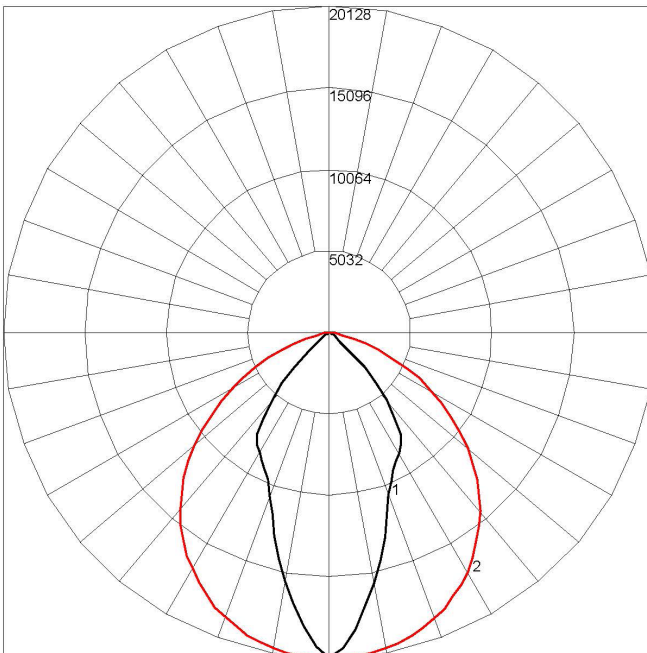
Maximum Candela = 12129.5 Located At Horizontal Angle = 0, Vertical Angle = 27.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)

High Bay Wide



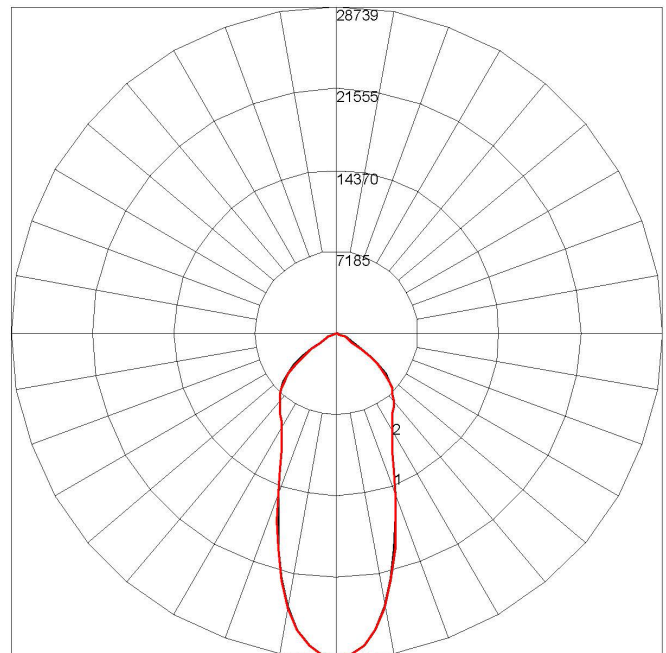
Maximum Candela = 11780.5 Located At Horizontal Angle = 90, Vertical Angle = 37.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)

High Bay 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

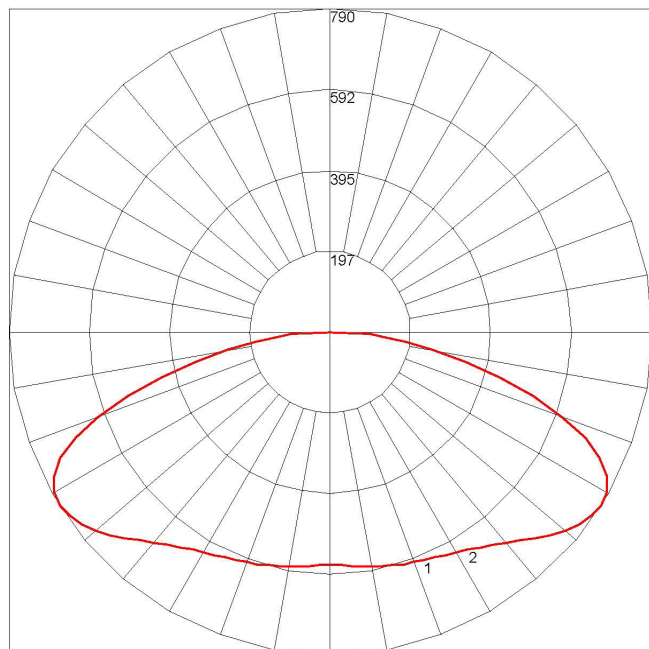


Maximum Candela = 28739.4 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)

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Beam Distribution

Low Bay Ultra Wide



Maximum Candela = 789.7 Located At Horizontal Angle = 0, Vertical Angle = 57.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)

= 0°
 = 90°

Inrush 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

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Inrush 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

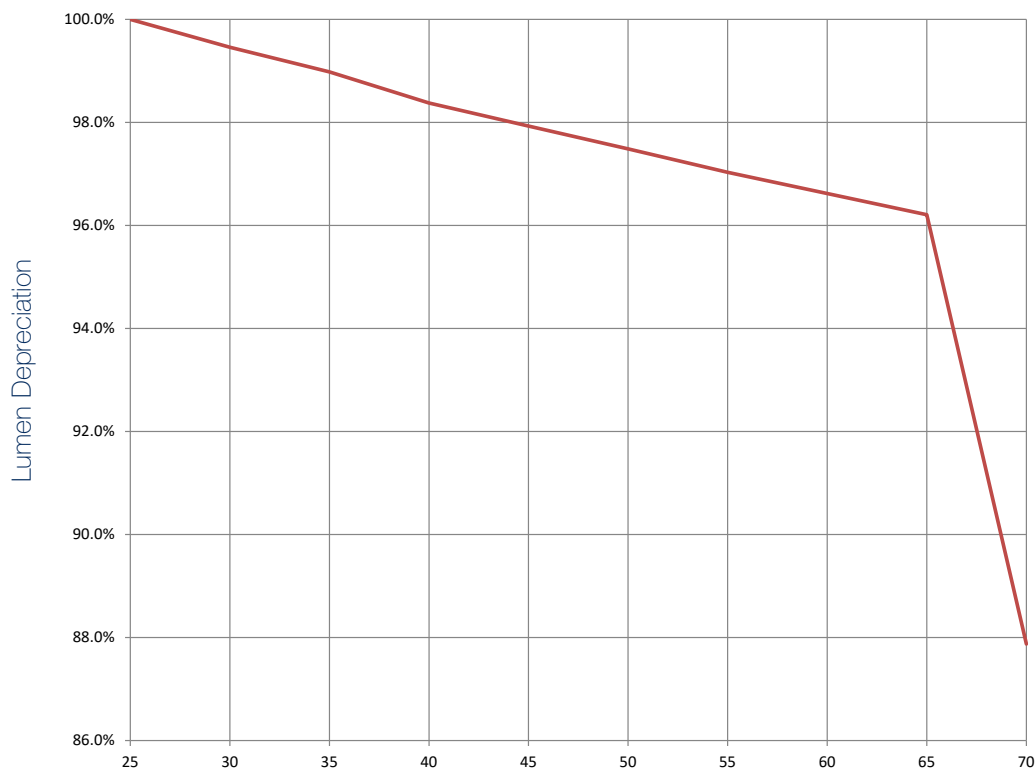
HEC/ HEM HEP Models	Watt	In rush current @ input voltage			Time duration of in rush current @ input voltage		
		120V AC	230V AC	277V AC	120V AC	230V AC	277V AC
23K	186	7.7A	14.8A	17.8A	2mS	2mS	2mS
18K	129	7.7A	14.8A	17.8A	2mS	2mS	2mS
12K	102	7.7A	14.8A	17.8A	2mS	2mS	2mS
9K	80	7.7A	14.8A	17.8A	2mS	2mS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

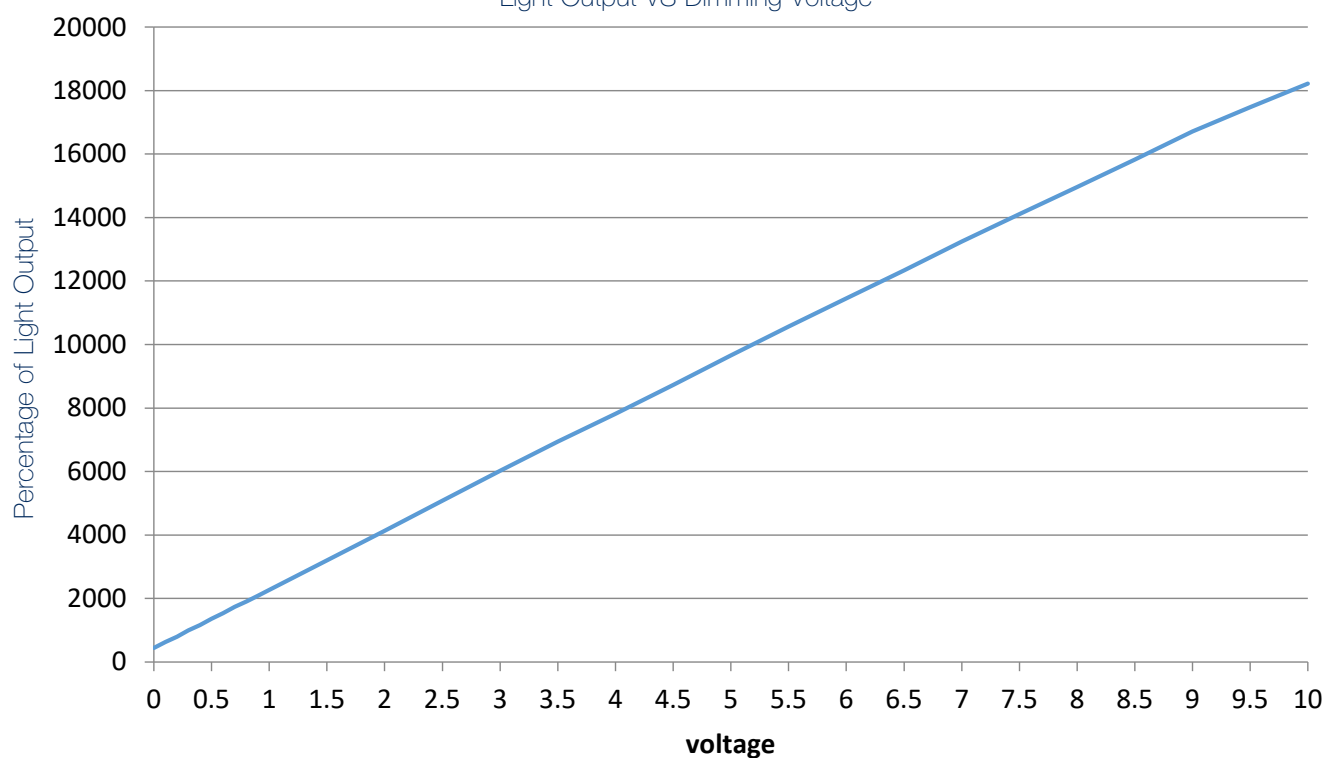
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Thermal Roll-Off



Dimming Characterization 0 - 10V

Light Output VS Dimming Voltage



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



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

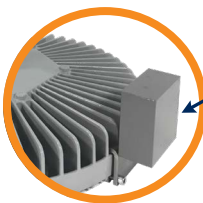


HBXW3-SSL-304FT

- 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



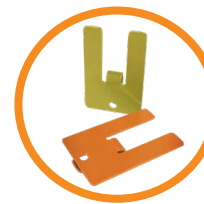
HBXCU

- Ceiling / wall mount



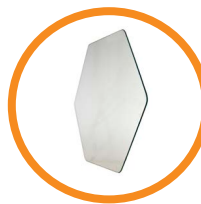
LBXLENP

- Polycarbonate dome lens replacement



HBXFLAG-Y
HBXFLAG-O

- Yellow Aluminum
- Orange Aluminum
- Comes with 10 indicator flags



HBXLENGC

- Clear tempered glass

HBXLENPC

- Polycarbonate lens, clear

HBXLENAC

- Acrylic lens, clear

HBXLENPD

- Polycarbonate lens, diffused

HBXLENAD

- Acrylic lens, diffused

HBXLENGD

- Diffused tempered glass



HBXREF16

- Acrylic reflector



HBXFSIRREMOTE

- Remote for occupancy sensor

Notes

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

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Vigilant® LED High Bay 347-480 VAC - UL / CSA



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



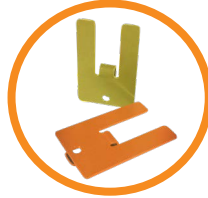
HBXCU

- Ceiling / wall mount



HBXCG

- Cable gland



HBXFLAG-Y

HBXFLAG-O

- Yellow Aluminum
- Orange Aluminum



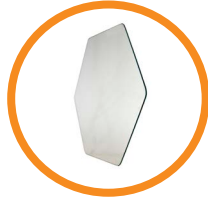
HBXSB316

- 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

HBXLENDP

- 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



Classifications:
CID1 • CID2

HBXW1

- Wall mount

HBXC1

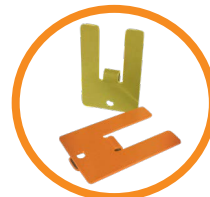
- Ceiling mount



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)



HBXCAB48

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



Classifications:
CID1 • CID2

HBXW3-SSL-316

- Stainless steel swivel bracket

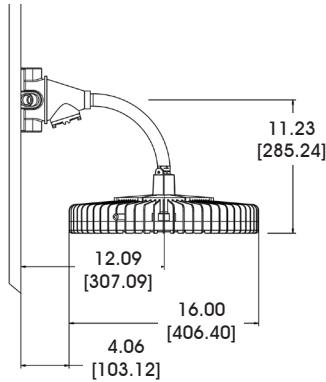
HBXW3-SSL-304

- 316 Stainless steel
- Stainless steel swivel bracket
- 304 Stainless steel

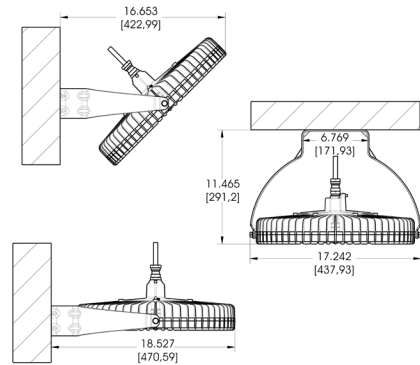
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SafeSite® LED High Bay - High Efficiency - UL 844

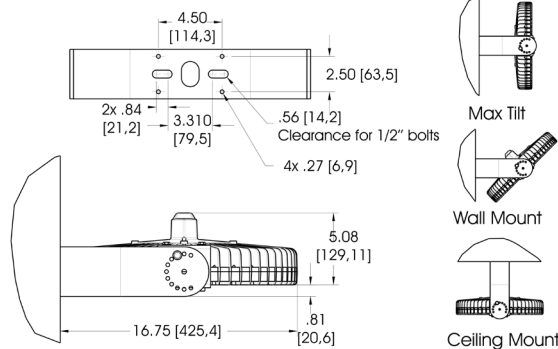
HBXW1 - Wall mount



HBXW2 - Swivel bracket and cable gland

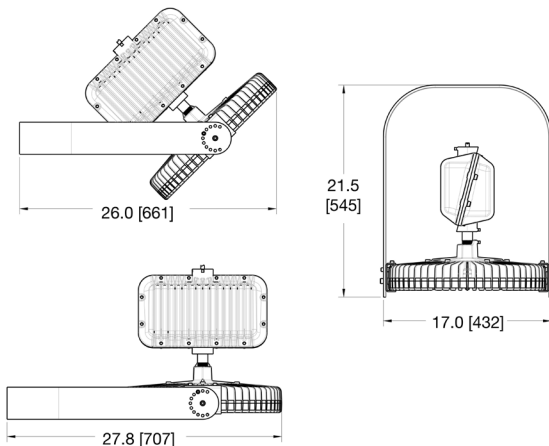


HBXW3-SSL-xxx - Stainless steel bracket

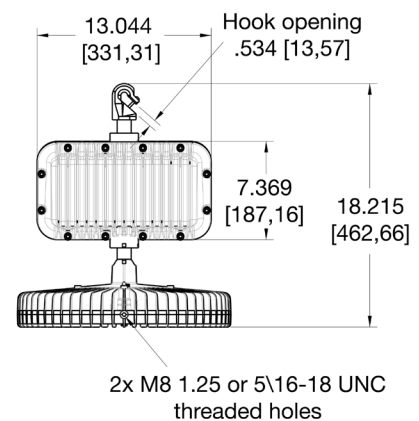


Vigilant® LED High Bay Passive Power Supply - UL / CSA

HLXW3-SS - Swivel Bracket



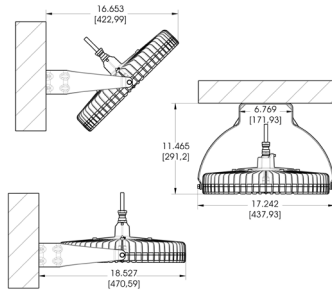
HBXHL - Hook



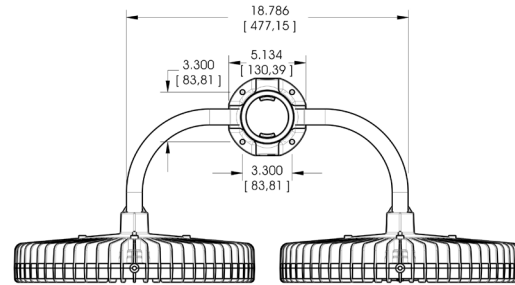
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Vigilant® LED High Bay/ Low Bay - UL / CSA

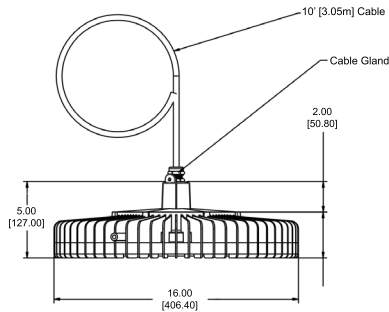
HBXW2 - Swivel Bracket and Cable Gland



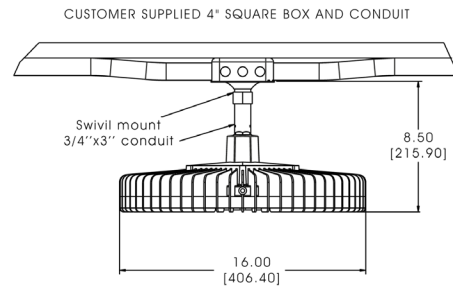
HBXDUALBRCKT - Dual Bracket



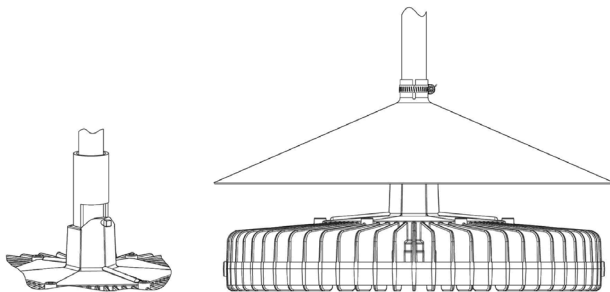
HBXCG - Cable Gland



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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brasil@dialight.com

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