



Dialight® LED High Bay & Low Bay

Technical Specification Sheet - Americas

Vigilant® LED High Bay - UL / CSA

Corded Model & Integrated Wiring Box Model

Corded Model



Mechanical Information:

Fixture weight:

18 lbs (8.16kg)

Shipping weight:

24 lbs (10.8kg)

Mounting:

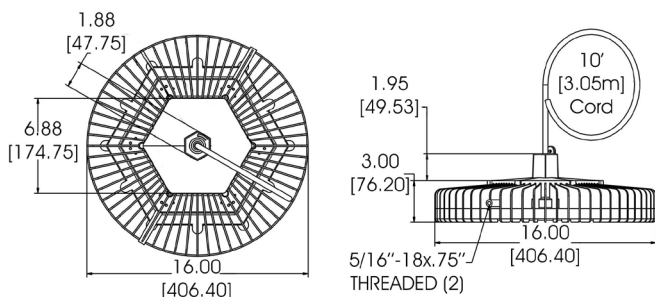
3/4" NPT - top

Various Kits

Power Cord:

10' 18 AWG ST00W/S00W

Patent pending



Integrated Wiring Box Model



Mechanical Information:

Fixture weight:

20 lbs (9 kg)

Shipping weight:

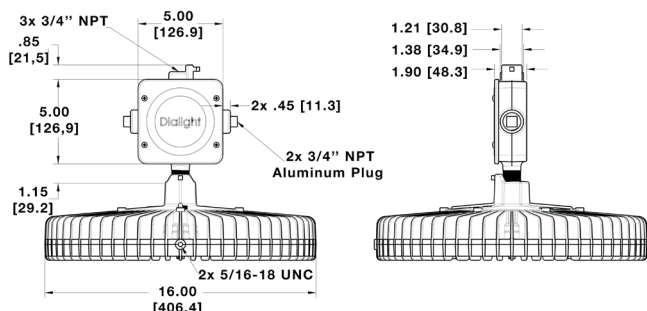
26 lbs (12 kg)

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.

Certifications & Ratings:

10 year warranty

UL 1598/A

UL 8750

IP66/67

CSA C22.2 No. 250.0

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 = <10% light output

Occupancy Sensor:

Mounting Height:

Up to 40ft

Ingress Protection:

IP66

Electrical Specifications:

Operating Voltage:

100-277 VAC, 120-250 VDC

347-480 VAC

Total system power consumption:

See table

Operating Temp:

-40°F to +149°F (-40°C to +65°C)

Harmonics:

IEC 61000-3-2 Class C

EMC:

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

Transient protection:

100-277 VAC models tested to withstand up to 8kV/4kA per IEEE C62.41.

347-480 VAC models tested to withstand up to 6kV/3kA per IEEE C62.41

THD:

<20%

Power Factor:

>0.9

Fusing:

Internal

Power Supply:

ALT:

(accelerated life testing)

Over 15 yr equivalent at 24/7 service

MTBF:

(mean time between failures)

Over 300 years with annual failure rate less than 0.3% expected

Driver:

Fully potted and sealed for superior protection

Construction:

Housing:

Copper free aluminum

Finish:

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

Lens:

See table

Vibration:

Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only

Shock:

50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

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 Battery Backup Model

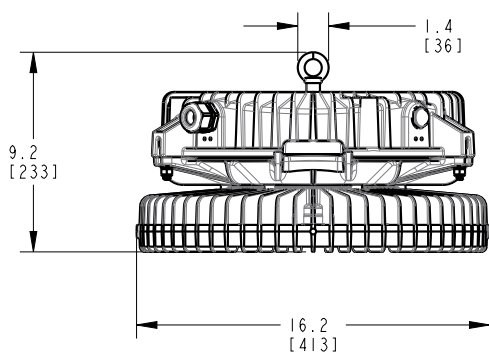
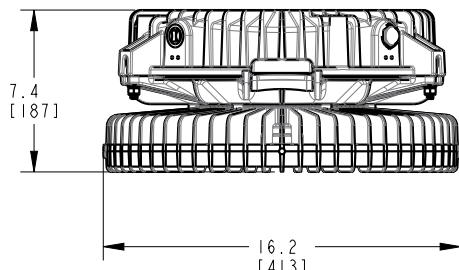


Mechanical Information:

Fixture weight:
39 lbs (17.7 kg) max

Shipping weight:
46 lbs (20.9 kg) max

Mounting:
3/4" NPT - top
Patent pending



Dimensions in inches (mm)

Certifications & Ratings:

10 year warranty (excluding battery)
UL 1598/A IP66/67
UL 924 NEMA 4X
UL 8750 L70 rated for >150,000 hours
CSA C22.2 No. 250.0

Variable Dimming:

Variable Dimming Control: 0-10 VDC

Dimming Range: 10 VDC = 100% light output
0 VDC = <10% light output

Electrical Specifications:

Operating Voltage: 120-277 VAC

Total system power consumption: See table

Operating Temp: -4°F to +131°F (-20°C to +55°C)

Harmonics: IEC 61000-3-2 Class C

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

Transient protection: 120-277 VAC models tested to withstand up to 6kV/3kA per IEEE C62.41.

THD: <20%

Power Factor: >0.9

Fusing: Internal

Power Supply:

ALT: Over 15 yr equivalent at 24/7 service
(accelerated life testing)

MTBF: Over 300 years with annual failure rate
(mean time between failures) less than 0.3% expected

Driver: Fully potted and sealed for superior protection

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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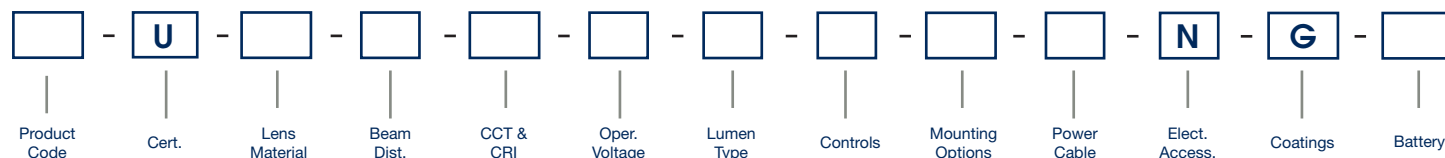
Vigilant® LED High Bay - UL / CSA

Ordering Information



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

Ordering Information



Product Code	Beam Distribution	Lumen Type	Power Cable
HC High Bay Integrated Pendant Wiring Box	E Oval	A 11,600 Lumens	N No Cord (HC only)
HE High Bay 3/4" NPT	M Medium	B 14,900 Lumens	W 10' [3 meter] Power Cable (HE only)
	N Narrow	C 19,800 Lumens	
	W Wide	E 27,500 Lumens	

Certification	CCT & CRI	Controls	Electrical Accessories
U UL 1598/A, CSA	C Cool White 5000K - 80 CRI	D Dimming (0-10V)	N No Plug
	N Neutral White 4000K - 80 CRI	N No Dimming (HE only)	
		M Occupancy Sensor (HC only)	

Lens Material	Operating Voltage	Mounting Options	Coatings
2 Acrylic - Clear (dry location only)	2 100-277 VAC / 120-250 VDC	H Hook	G Gray (RAL 7040)
4 Polycarbonate - Clear	5 347-480 VAC	N Pendant 3/4" NPT	
7 Glass - Clear		P Pendant 3/4" NPT with Safety Retention Tabs	
L Polycarbonate Dome - Diffused		R Safety Retention Tabs with Hook	
R Power Wash Glass, Clear			

Battery
G Battery Backup - 10W ⁴
H Battery Backup - 20W ⁴
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 = (D) Dimming or (M) Occupancy Sensor.
- 4) Battery Backup only available with Product Code = (HE) and Operating Voltage = (2).

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 High Bay - Corded Model



Corded Model - 3/4" Conduit - 100-277 VAC / 120-250 VDC								
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
HEU-7MC2-ENNW-NGN	27,500	185	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MC2-ENPW-NGN	27,500	185	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEU-7MC2-EDNW-NGN	27,500	185	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-4MC2-ENNW-NGN	27,200	185	147	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-2MC2-ENNW-NGN	27,200	185	147	CW	Acrylic - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-LMC2-ENNW-NGN	27,000	185	146	CW	Polycarbonate Dome - Diffused	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-2WC2-ENNW-NGN	27,000	185	146	CW	Acrylic - Clear	Wide	Pendant 3/4" NPT	10' Power Cable
HEU-7MC2-CNNW-NGN	19,800	130	152	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MC2-CNPW-NGN	19,800	130	152	CW	Glass - Clear	Medium	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEU-7MC2-CDNW-NGN	19,800	130	152	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-4MC2-CNNW-NGN	19,600	130	151	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-LMC2-CNNW-NGN	19,400	130	149	CW	Polycarbonate Dome - Diffused	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MN2-CNNW-NGN	19,400	130	149	NW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MC2-BNNW-NGN	14,900	100	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-4MC2-BNNW-NGN	14,800	100	148	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-LMC2-BNPW-NGN	14,600	100	146	CW	Polycarbonate Dome - Diffused	Medium	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEU-LMC2-BNNW-NGN	14,600	100	146	CW	Polycarbonate Dome - Diffused	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MC2-ANNW-NGN	11,600	80	145	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-4MC2-ANNW-NGN	11,500	80	144	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-2MC2-ANNW-NGN	11,500	80	144	CW	Acrylic - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-LMC2-ANNW-NGN	11,400	80	143	CW	Polycarbonate Dome - Diffused	Medium	Pendant 3/4" NPT	10' Power Cable
Corded Model - 3/4" Conduit - 347-480 VAC								
HEU-7MC5-EDNW-NGN	27,500	185	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MC5-ENNW-NGN	27,500	185	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MC5-ENPW-NGN	27,500	185	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEU-4MC5-ENPW-NGN	27,200	185	147	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEU-7WC5-ENPW-NGN	27,200	185	147	CW	Glass - Clear	Wide	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEU-7EC5-ENNW-NGN	25,900	185	140	CW	Glass - Clear	Oval	Pendant 3/4" NPT	10' Power Cable
HCU-4EC5-EMNW-NGN	25,600	185	138	CW	Polycarbonate - Clear	Oval	Pendant 3/4" NPT	10' Power Cable
HEU-7MC5-CDNW-NGN	19,800	130	152	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MC5-CNHW-NGN	19,800	130	152	CW	Glass - Clear	Medium	Hook	10' Power Cable
HEU-7MC5-CNNW-NGN	19,800	130	152	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-LMC5-CNNW-NGN	19,400	130	149	CW	Polycarbonate Dome - Diffused	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MC5-BNNW-NGN	14,900	100	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MC5-ADNW-NGN	11,600	80	145	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MC5-ANNW-NGN	11,600	80	145	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-4MC5-ADNW-NGN	11,500	80	144	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-LMC5-ANNW-NGN	11,400	80	143	CW	Polycarbonate Dome - Diffused	Medium	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-ENNW-NGN becomes HEU-7MC2-EDNW-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 - 3/4" Conduit - 100-277 VAC / 120-250 VDC								
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
HCU-7MC2-EDNN-NGN	27,500	185	149	CW	Glass - Clear	Medium	Wiring Box	Wiring Box
HCU-7MC2-EMNN-NGN	27,500	185	149	CW	Glass - Clear	Medium	Wiring Box	Wiring Box
HCU-LMC2-EMNN-NGN	27,000	185	146	CW	Polycarbonate Dome - Diffused	Medium	Wiring Box	Wiring Box
HCU-LMC2-EDNN-NGN	27,000	185	146	CW	Polycarbonate Dome - Diffused	Medium	Wiring Box	Wiring Box
HCU-7MC2-CDNN-NGN	19,800	130	152	CW	Glass - Clear	Medium	Wiring Box	Wiring Box
HCU-7MC2-CMNN-NGN	19,800	130	152	CW	Glass - Clear	Medium	Wiring Box	Wiring Box
HCU-LMC2-CDNN-NGN	19,400	130	149	CW	Polycarbonate Dome - Diffused	Medium	Wiring Box	Wiring Box
HCU-LMC2-CMNN-NGN	19,400	130	149	CW	Polycarbonate Dome - Diffused	Medium	Wiring Box	Wiring Box
HCU-7MC2-BDNN-NGN	14,900	100	149	CW	Glass - Clear	Medium	Wiring Box	Wiring Box
HCU-7MC2-BMNN-NGN	14,900	100	149	CW	Glass - Clear	Medium	Wiring Box	Wiring Box
HCU-LMC2-BDNN-NGN	14,600	100	146	CW	Polycarbonate Dome - Diffused	Medium	Wiring Box	Wiring Box
HCU-LMC2-BMNN-NGN	14,600	100	146	CW	Polycarbonate Dome - Diffused	Medium	Wiring Box	Wiring Box
HCU-7MC2-ADNN-NGN	11,600	80	145	CW	Glass - Clear	Medium	Wiring Box	Wiring Box
HCU-7MC2-AMNN-NGN	11,600	80	145	CW	Glass - Clear	Medium	Wiring Box	Wiring Box
HCU-LMC2-ADNN-NGN	11,400	80	143	CW	Polycarbonate Dome - Diffused	Medium	Wiring Box	Wiring Box
HCU-LMC2-AMNN-NGN	11,400	80	143	CW	Polycarbonate Dome - Diffused	Medium	Wiring Box	Wiring Box

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

Vigilant® LED High Bay - Battery Backup Model



Battery Backup Model - 20W - 120-277 VAC								
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
HEU-7MC2-ENNN-NGH	27,500	191	144	CW	Glass - Clear	Medium	Pendant 3/4" NPT	Wiring Box
HEU-7MC2-ENHN-NGH	27,500	191	144	CW	Glass - Clear	Medium	Hook	Wiring Box
HEU-4MC2-ENNN-NGH	27,200	191	142	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	Wiring Box
HEU-7MC2-CNNN-NGH	19,800	136	146	CW	Glass - Clear	Medium	Pendant 3/4" NPT	Wiring Box
HEU-4MC2-CNNN-NGH	19,600	136	144	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	Wiring Box
HEU-LMC2-CNNN-NGH	19,400	136	143	CW	Polycarbonate Dome - Diffused	Medium	Pendant 3/4" NPT	Wiring Box
HEU-7MC2-BNNN-NGH	14,900	106	141	CW	Glass - Clear	Medium	Pendant 3/4" NPT	Wiring Box
HEU-4MC2-BNNN-NGH	14,700	106	139	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	Wiring Box
HEU-LMC2-BNNN-NGH	14,600	106	138	CW	Polycarbonate Dome - Diffused	Medium	Pendant 3/4" NPT	Wiring Box
HEU-7MC2-ANNN-NGH	11,600	86	135	CW	Glass - Clear	Medium	Pendant 3/4" NPT	Wiring Box
HEU-4MC2-ANNN-NGH	11,500	86	134	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	Wiring Box
HEU-LMC2-ANNN-NGH	11,400	86	133	CW	Polycarbonate Dome - Diffused	Medium	Pendant 3/4" NPT	Wiring Box

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

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Vigilant® LED High Bay - UL / CSA

Passive Power Supply Model - 347 & 480 VAC



Mechanical Information:

Fixture weight:

40 lbs (18 kg)

Shipping weight:

45 lbs (20 kg)

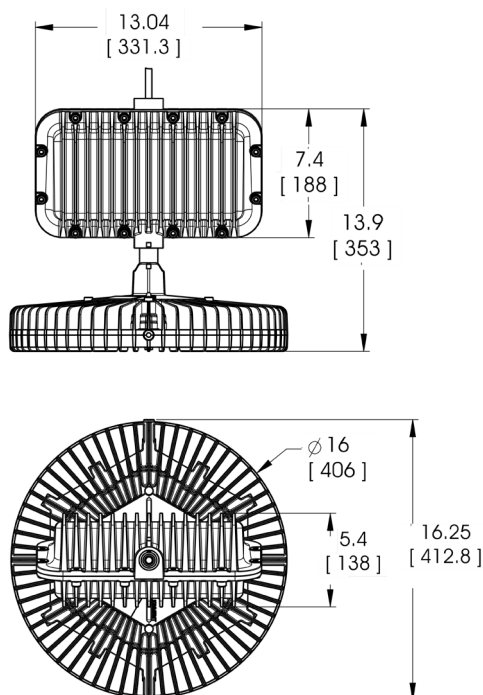
Mounting:

3/4" NPT - top
Various Kits

Power cord:

10" 18 AWG ST00W/SOOW

Patent pending



Dimensions in inches (mm)

Certifications & Ratings:

10 year warranty

UL 1598/A

UL 8750

IP66

CSA C22.2 No. 250.0

NEMA 4X

L70 rated for >150,000 hours

Electrical Specifications:

Operating Voltage: 347 or 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 Class C

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%

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

Passive Power Supply Model - 347 & 480 VAC



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

Ordering Information

HE	-	U	-		-	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		Battery

Product Code HE High Bay	Beam Distribution M Medium	Lumen Type A 11,300 Lumens B 14,300 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 7 Glass - Clear L Polycarbonate Dome - Diffused R Power Wash Glass, Clear	Operating Voltage P 480 VAC Passive Q 347 VAC Passive	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)
			Battery N No Option

Notes

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

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Ordering Information

Vigilant® LED High Bay - Passive Power Supply Model



Passive Power Supply Model - 347 VAC								
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
HEU-7MCQ-ENNW-NGN	27,000	206	131	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MCQ-CNNW-NGN	18,000	136	132	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MCQ-BNNW-NGN	14,300	100	143	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MCQ-ANNW-NGN	11,300	81	140	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
Passive Power Supply Model - 480 VAC								
HEU-7MCP-ENNW-NGN	27,000	206	131	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MCP-CNNW-NGN	18,000	129	140	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MCP-BNNW-NGN	14,300	116	123	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HEU-7MCP-ANNW-NGN	11,300	73	155	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable

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

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Vigilant® LED Low Bay - UL / CSA

Corded Model & Integrated Wiring Box Model

Corded Model



Mechanical Information:

Fixture weight:

18 lbs (8.16kg)

Shipping weight:

24 lbs (10.8kg)

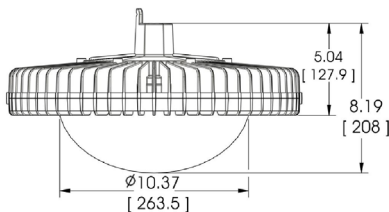
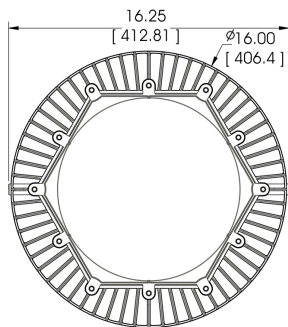
Mounting:

3/4" NPT - top

Various Kits

Power Cord:

10' 18 AWG ST00W/S00W



Integrated Wiring Box Model



Mechanical Information:

Fixture weight:

20 lbs (9 kg)

Shipping weight:

26 lbs (12 kg)

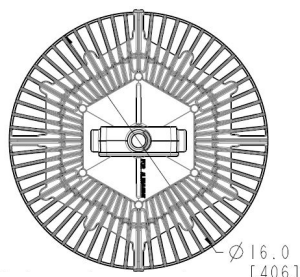
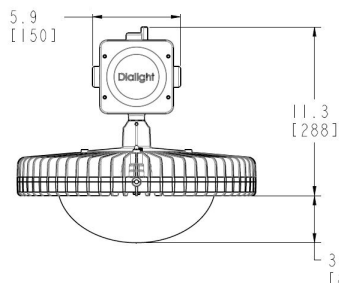
Mounting:

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

CSA C22.2 No. 250.0

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 = <10% light output

Occupancy Sensor:

Mounting Height:

Up to 40ft

Ingress Protection:

IP66

Electrical Specifications:

Operating Voltage:

100-277 VAC (120-250 VDC)

347-480 VAC

Total system power consumption:

See table

Operating Temp:

-40°F to +149°F (-40°C to +65°C)

Harmonics:

IEC 61000-3-2 Class C

EMC:

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

Transient protection:

100-277 VAC models tested to withstand up to 8kV/4kA per IEEE C62.41
347-480VAC models tested to withstand up to 6kV/3kA per IEEE C62.41

THD:

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

Power Factor:

>0.9

Fusing:

Internal

Power Supply:

ALT:

(accelerated life testing)

Over 15 yr equivalent at 24/7 service

MTBF:

(mean time between failures)

Over 300 years with annual failure rate less than 0.3% expected

Driver:

Fully potted and sealed for superior protection

Construction:

Housing:

Copper free aluminum

Finish:

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

Lens:

See table

Vibration:

Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only

Shock:

50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

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

Battery Backup Model

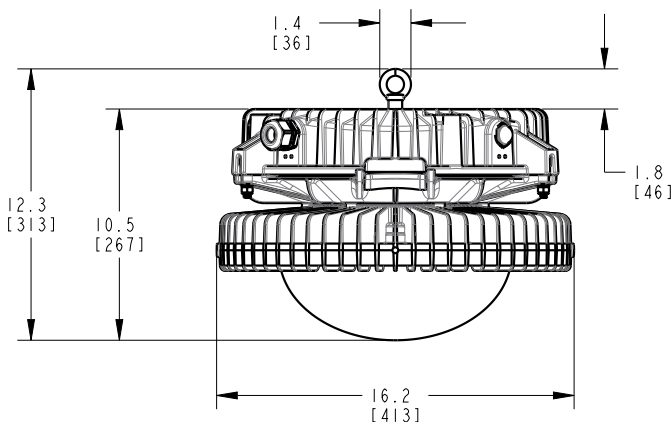
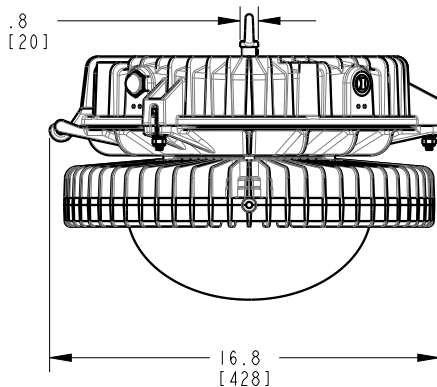


Mechanical Information:

Fixture weight:
39 lbs (17.7 kg) max

Shipping weight:
46 lbs (20.9 kg) max

Mounting:
3/4" NPT - top
Patent pending



Dimensions in inches (mm)

Certifications & Ratings:

10 year warranty (excluding battery)
UL 1598/A IP66/67
UL 924 NEMA 4X
UL 8750 L70 rated for >150,000 hours
CSA C22.2 No. 250.0

Variable Dimming:

Variable Dimming Control: 0-10 VDC

Dimming Range: 10 VDC = 100% light output
0 VDC = <10% light output

Electrical Specifications:

Operating Voltage: 120-277 VAC

Total system power consumption: See table

Operating Temp: -4°F to +131°F (-20°C to +55°C)

Harmonics: IEC 61000-3-2 Class C

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

Transient protection: 120-277 VAC models tested to withstand up to 6kV/3kA per IEEE C62.41

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

Power Factor: >0.9

Fusing: Internal

Power Supply:

ALT: (accelerated life testing) Over 15 yr equivalent at 24/7 service

MTBF: (mean time between failures) Over 300 years with annual failure rate less than 0.3% expected

Driver: Fully potted and sealed for superior protection

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 Low Bay - UL / CSA

Corded & Integrated Wiring Box



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

Ordering Information

	-	U	-		-	U	-		-		-		-		-		-	N	-	G	-			
Product Code		Cert.		Lens Material		Beam Dist.		CCT & CRI		Oper. Voltage		Lumen Type		Controls		Mounting Options		Power Cable		Elect. Access.		Coatings		Battery
Product Code				Beam Distribution				Lumen Type				Power Cable												
LC Low Bay Integrated Wiring Box				U Ultra Wide				4 3,900 Lumens (100-277V only)				N No Cord (LC only)												
LE Low Bay								6 6,400 Lumens (100-277V only)				W 10' [3 meter] Power Cable (LE only)												
								9 9,200 Lumens																
								B 13,200 Lumens																
								C 17,200 Lumens																
Certification				CCT & CRI				Controls				Electrical Accessories												
U UL 1598/A				C Cool White 5000K - 80 CRI				D Dimming (0-10V)				N No Plug												
				N Neutral White 4000K - 80 CRI				M Occupancy Sensor (LC only)																
								N No Option (LE only)																
Lens Material				Operating Voltage				Mounting Options				Coatings				Battery								
2 Acrylic - Clear (dry location only)				2 100-277 VAC / 120-250 VDC				H Hook				G Gray (RAL 7040)				G Battery Backup - 10W ⁴								
3 Acrylic - Diffused (dry location only)								N Pendant 3/4" NPT								H Battery Backup - 20W ⁴								
4 Polycarbonate - Clear								P Pendant 3/4" NPT with Safety Retention Tabs								N No Option								
5 Polycarbonate - Diffused								R Safety Retention Tabs with Hook																
L Polycarbonate Dome - Diffused																								

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.
- 4) Battery Backup only available with Product Code = (LE) and Operating Voltage = (2).

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Ordering Information

Vigilant® LED Low Bay - Corded Model



Corded Model - 3/4" Conduit - 100-277 VAC / 120-250 VDC								
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Power Cable
LEU-LUC2-9NNW-NGN	9,200	78	118	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
LEU-LUC2-9NPW-NGN	9,200	78	118	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
LEU-LUC2-6NNW-NGN	6,400	50	128	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
LEU-LUC2-4NNW-NGN	3,900	38	103	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
Corded Model - 3/4" Conduit - 347-480 VAC								
LEU-LUC5-9NNW-NGN	9,200	78	118	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
LEU-LUC5-9DNW-NGN	9,200	78	118	CW	Polycarbonate Dome - Diffused	Ultra Wide	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**W-NGN becomes LEU-LUC2-9**D**W-NGN.

Vigilant® LED Low Bay - Integrated Wiring Box Model



Integrated Wiring Box Model - 100-277 VAC / 120-250 VDC								
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Power Cable
LCU-LUC2-9DNW-NGN	9,200	78	118	CW	Polycarbonate Dome - Diffused	Ultra Wide	Wiring Box	Wiring Box
LCU-LUC2-6MNW-NGN	6,400	50	128	CW	Polycarbonate Dome - Diffused	Ultra Wide	Wiring Box	Wiring Box
LCU-LUC2-4MNW-NGN	3,900	38	103	CW	Polycarbonate Dome - Diffused	Ultra Wide	Wiring Box	Wiring Box

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

Vigilant® LED Low Bay - Battery Backup Model



Battery Backup Model - 10W - 120-277 VAC								
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Power Cable
LEU-LUC2-9NNN-NGG	9,200	84	110	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	Wiring Box
LEU-LUC2-6NNN-NGG	6,400	56	114	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	Wiring Box
LEU-LUC2-4NNN-NGG	3,900	44	89	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	Wiring Box

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

Specification sheets with additional options available, with extended lead times, are available on page 12

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SafeSite® LED High Bay - UL / CSA

Class I, Div. 1 and Class I, Zone 1



Mechanical Information:

Fixture weight:
30 lbs (14 kg)

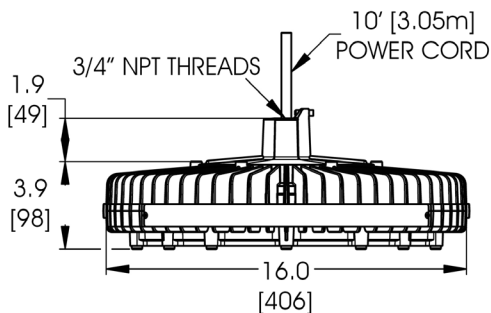
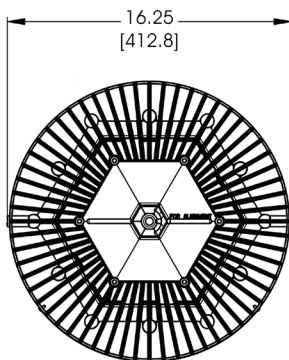
Shipping weight:
35 lbs (19 kg)

Mounting:
3/4" NPT - top
Various Kits

Power Cord:
10' 18 AWG ST00W/SOOW

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
IP66/67
Factory sealed

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 = <10% light output

Electrical Specifications:

Operating voltage: 100-277 VAC, 120-250 VDC
347-480 VAC

Power consumption: See table

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

Harmonics: IEC 61000-3-2 Class C

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

Transient protection: 100-277 VAC models tested to withstand up to 8kV/4kA per IEEE C62.41
347-480VAC models tested to withstand up to 6kV/3kA per IEEE C62.41

THD: < 20%

Power factor: >0.9

Cabling: ST00W 18 gauge AWG

Fusing: Internal

Power Supply:

ALT: (accelerated life testing) Over 15 yr equivalent at 24/7 service

MTBF: (mean time between failures) Over 300 years with annual failure rate less than 0.3% expected

Driver: Fully potted and sealed for superior protection

Construction:

Housing: Copper free aluminum

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

Lens: See table

Vibration: Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only

Shock: 50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

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



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

Ordering Information

HE	-		-	7	-		-		-	2	-		-		-		-	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		Battery

Product Code

HE High Bay 3/4" NPT

Beam Distribution

E Oval

M Medium

N Narrow

W Wide

Lumen Type

A 9,500 Lumens

B 12,500 Lumens

C 16,000 Lumens

E 23,500 Lumens

Power Cable

W 10' [3 meter] Power Cable

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

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

7 Glass - Clear

Operating Voltage

2 100-277 VAC / 120-250 VDC

5 347-480 VAC

Mounting Options

N Pendant 3/4" NPT

P Pendant 3/4" NPT with Safety Retention Tabs

Coatings

G Gray (RAL 7040)

Battery

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



Part Number	Lumens	Wattage	lm/W	Certification	CCT	Lens	Beam Distribution	Controls Option	Hardware Options	Wiring
Class I, Div. 1 and Class I, Zone 1 - 100-277 VAC										
HEC-7WC2-ENNW-NGN	25,900	185	140	CID1	CW	Tempered Glass	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MC2-ENPW-NGN	25,900	185	140	CID1	CW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEM-7MC2-ENNW-NGN	25,900	185	140	Paint Spray	CW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MC2-CNNW-NGN	18,600	130	143	CID1	CW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7WC2-CNVW-NGN	18,600	130	143	CID1	CW	Tempered Glass	Wide	No controls	Safety Bracket w/ SS 316 Forward Throw Bracket	10' Power Cable
HEC-7MC2-CNPW-NGN	18,600	130	143	CID1	CW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEC-7WC2-CNTW-NGN	18,600	130	143	CID1	CW	Tempered Glass	Wide	No controls	Safety Bracket w/ Locking Swivel Mount/Bracket SS316	10' Power Cable
HEC-7WC2-CNNW-NGN	18,600	130	143	CID1	CW	Tempered Glass	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7WC2-CNPW-NGN	18,600	130	143	CID1	CW	Tempered Glass	Wide	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEM-7MC2-CNNW-NGN	18,600	130	143	Paint Spray	CW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MC2-BNNW-NGN	14,000	100	140	CID1	CW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7WC2-BNPW-NGN	14,000	100	140	CID1	CW	Tempered Glass	Wide	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEM-7WC2-BNNW-NGN	14,000	100	140	Paint Spray	CW	Tempered Glass	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7WC2-BNNW-NGN	14,000	100	140	CID1	CW	Tempered Glass	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MC2-BNPW-NGN	14,000	100	140	CID1	CW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HEM-7WN2-ANNW-NGN	10,950	80	137	Paint Spray	NW	Tempered Glass	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MC2-ANNW-NGN	10,950	80	137	CID1	CW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7WC2-ANNW-NGN	10,950	80	137	CID1	CW	Tempered Glass	Wide	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MN2-ANNW-NGN	10,700	80	137	CID1	NW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
Class I, Div. 1 and Class I, Zone 1 - 347-480 VAC										
HEC-7MC5-ENNW-NGN	25,900	185	140	CID1	CW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MC5-CNNW-NGN	18,600	130	143	CID1	CW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MC5-BNNW-NGN	14,000	100	140	CID1	CW	Tempered Glass	Medium	No controls	Pendant 3/4" NPT	10' Power Cable
HEC-7MC5-ANNW-NGN	10,950	80	137	CID1	CW	Tempered Glass	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-**EN**NW-NGN becomes HEC-7WC2-**ED**NW-NGN.

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SafeSite® LED High Bay - UL / CSA

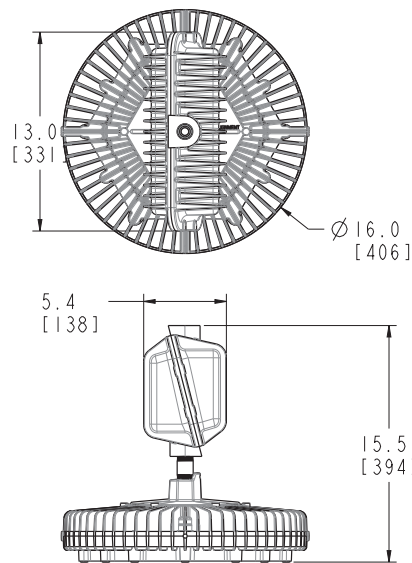
Class I, Div. 1 Passive Power Supply Model - 347 or 480 VAC



Patent pending

Certifications & Ratings:

- UL 844 (wet locations)
- CSA C22.2 No. 137
- 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)

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	-		-	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		Battery
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						
												B 14,000 Lumens												
												C 18,000 Lumens						Electrical Accessories						
												E 27,000 Lumens						N No Plug						
Certification						CCT & CRI						Controls						Coatings						
C UL 844 CID1						C Cool White 5000K - 80 CRI						N No Option						G Gray (RAL 7040)						
M UL 844 CID1 Paint Spray						N Neutral White 4000K - 80 CRI																		
Lens Material						Operating Voltage						Mounting Options						Battery						
7 Glass - Clear						P 480 VAC						N Pendant 3/4" NPT						N No Option						
						Q 347 VAC						P Pendant 3/4" NPT with Safety Retention Tabs												

Notes

1) Lumen values provided for reference only. Actual lumen values provided in the table below.

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

Corded Model



Mechanical Information:

Fixture weight:

18 lbs (8.16kg)

Shipping weight:

24 lbs (10.8kg)

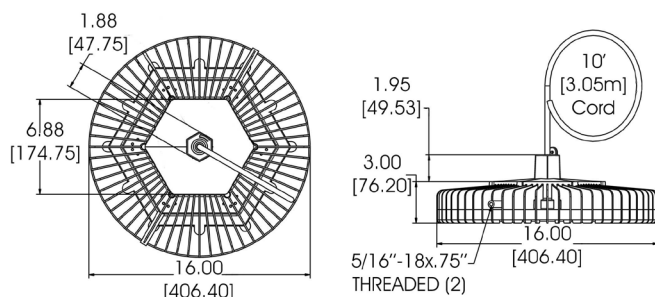
Mounting:

3/4" NPT - top
Various Kits

Power Cord:

10' 18 AWG ST00W/SOOW

Patent pending



Integrated Wiring Box Model



Mechanical Information:

Fixture weight:

20 lbs (9 kg)

Shipping weight:

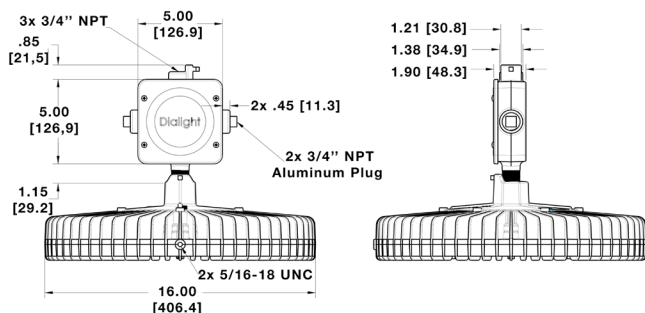
26 lbs (12 kg)

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 +122°F (-40°C to +50°C)

Certifications & Ratings:

10 year warranty
UL 844 (wet locations)
CSA 22.2 No. 137
IP66/67
Class I, Div. 2 Groups A, B, C, D
Class I, Zone 2, Group IIC
Class II, Div. 1 Groups E, F, G (corded model only)
Class II, Div. 2 Groups F, G
Class III, Div. 1 & 2

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 = <10% light output

Electrical Specifications:

Operating voltage:

100-277 VAC, 120-250 VDC
347-480 VAC

Power consumption:

See table

Operating temp:

-40°F to +149°F (-40°C to +65°C)

Harmonics:

IEC 61000-3-2 Class C

EMC:

FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz

Transient protection:

100-277 VAC models tested to withstand up to 8kV/4kA per IEEE C62.41
347-480VAC models tested to withstand up to 6kV/3kA per IEEE C62.41

THD:

< 20%

Power factor:

>0.9

Fusing:

Internal

Power Supply:

ALT:

(accelerated life testing)

Over 15 yr equivalent at 24/7 service

MTBF:

(mean time between failures)

Over 300 years with annual failure rate less than 0.3% expected

Driver:

Fully potted and sealed for superior protection

Construction:

Housing:

Copper free aluminum

Finish:

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

Lens:

See table

Vibration:

Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only

Shock:

50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

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 Battery Backup Model

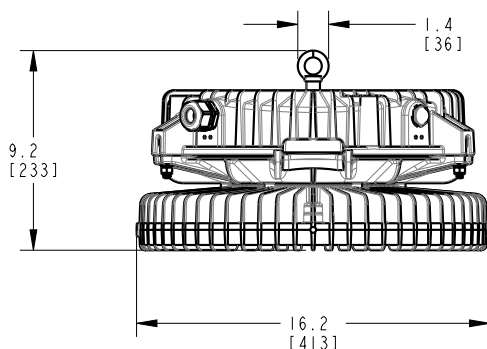
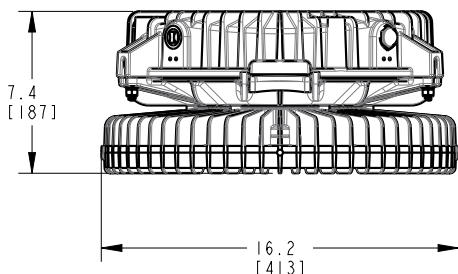


Mechanical Information:

Fixture weight:
39 lbs (17.7 kg) max

Shipping weight:
46 lbs (20.9 kg) max

Mounting:
3/4" NPT - top
Patent pending



Dimensions in inches (mm)

Temperature Ratings:

Ambient Temp Range
T4A Temp Code: -4°F to +131°F (-20°C to +55°C)

Certifications & Ratings:

10 year warranty (excluding battery)
UL 844 (wet locations) IP66/67
UL 924 NEMA 4X
UL 8750 L70 rated for >150,000 hours
CSA 22.2 No. 137
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 = <10% light output

Electrical Specifications:

Operating voltage: 120-277 VAC
Power consumption: See table
Operating temp: -4°F to +131°F (-20°C to +55°C)
Harmonics: IEC 61000-3-2 Class C
EMC: FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity: 10V/m, 80MHz-1GHz
Transient protection: 120-277 VAC models tested to withstand up to 6kV/3kA per IEEE C62.41
THD: < 20%
Power factor: >0.9
Fusing: Internal

Power Supply:

ALT: Over 15 yr equivalent at 24/7 service
(accelerated life testing)
MTBF: Over 300 years with annual failure rate
(mean time between failures) less than 0.3% expected
Driver: Fully potted and sealed for superior protection

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

Ordering Information



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

Ordering Information

	D									N	G	
Product Code	Cert.	Lens Material	Beam Dist.	CCT & CRI	Oper. Voltage	Lumen Type	Controls	Mounting Options	Power Cable	Elect. Access.	Coatings	Battery

Product Code

HC	High Bay Integrated Pendant Wiring Box
HE	High Bay 3/4" NPT

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
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
5	347-480 VAC

Lumen Type

A	11,600 Lumens
B	14,900 Lumens
C	19,800 Lumens
E	27,500 Lumens

Controls

D	Dimming (0-10V)
N	No Option

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)

Power Cable

N	No Cord (HC only)
W	10' [3 meter] Power Cable (HE only)

Electrical Accessories

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

Coatings

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

Battery

G	Battery Backup - 10W ²
H	Battery Backup - 20W ²
N	No Option

Notes

- 1) Lumen type based on using a glass lens. See tables for lumens when changing lenses.
- 2) Battery Backup only available with Product Code = (HE) and Operating Voltage = (2).

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Ordering Information

SafeSite® LED High Bay - Class I, Div. 2 and Class I, Zone 2



Corded Model - Class I, Div. 2 and Class I, Zone 2 - 100-277 VAC / 120-250 VDC								
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
HED-7WC2-ENNW-NGN	27,200	185	147	CW	Glass - Clear	Wide	Pendant 3/4" NPT	10' Power Cable
HED-7MC2-ENPW-NGN	27,500	185	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HED-7WC2-ENPW-NGN	27,200	185	147	CW	Glass - Clear	Wide	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HED-7WC2-ENTW-NGN	27,200	185	147	CW	Glass - Clear	Wide	HBXW3-SSL-316 Bracket with Safety Tabs	10' Power Cable
HED-7MC2-ENNW-NGN	27,500	185	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7WC2-ENWV-NGN	27,200	185	147	CW	Glass - Clear	Wide	HBXW3-SSL-316FT Bracket with Safety Tabs	10' Power Cable
HED-4MC2-ENNW-NGN	27,200	185	147	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7WC2-CNVW-NGN	19,600	130	151	CW	Glass - Clear	Wide	HBXW3-SSL-316FT Bracket with Safety Tabs	10' Power Cable
HED-7MC2-CNPW-NGN	19,800	130	152	CW	Glass - Clear	Medium	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HED-7WC2-CNNW-NGN	19,600	130	151	CW	Glass - Clear	Wide	Pendant 3/4" NPT	10' Power Cable
HED-7WC2-CNTW-NGN	19,600	130	151	CW	Glass - Clear	Wide	HBXW3-SSL-316 Bracket with Safety Tabs	10' Power Cable
HED-4MC2-CNNW-NGN	19,600	130	151	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MC2-CNNW-NGN	19,800	130	152	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MC2-BNNW-NGN	14,900	100	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7WC2-BNPW-NGN	14,800	100	148	CW	Glass - Clear	Wide	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HED-7MC2-BNPW-NGN	14,900	100	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HED-7MN2-BNPW-NGN	14,900	100	149	NW	Glass - Clear	Medium	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HED-7WC2-BNNW-NGN	14,800	100	148	CW	Glass - Clear	Wide	Pendant 3/4" NPT	10' Power Cable
HED-4MC2-BNNW-NGN	14,800	100	148	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MC2-ANNW-NGN	11,600	80	145	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MC2-ANPW-NGN	11,600	80	145	CW	Glass - Clear	Medium	Pendant 3/4" NPT with Safety Tabs	10' Power Cable
HED-7WC2-ANNW-NGN	11,500	80	144	CW	Glass - Clear	Wide	Pendant 3/4" NPT	10' Power Cable
HED-4MC2-ANNW-NGN	11,500	80	144	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-5MC2-ANNW-NGN	10,900	80	136	CW	Polycarbonate - Diffused	Medium	Pendant 3/4" NPT	10' Power Cable
Corded Model - Class I, Div. 2 and Class I, Zone 2 - 347-480 VAC								
HED-4MC5-EDNW-NGN	27,200	185	147	CW	Polycarbonate - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MC5-ENNW-NGN	27,500	185	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MC5-CDNW-NGN	19,800	130	152	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MC5-BDNW-NGN	14,900	100	149	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MC5-ADNW-NGN	11,600	80	144	CW	Glass - Clear	Medium	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-**ENN**W-NGN becomes HED-7MC2-**EDN**W-NGN.

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Ordering Information

SafeSite® LED High Bay - Battery Backup Model



Battery Backup Model - 20W - 120-277 VAC								
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
HED-7MC2-ENNN-NGH	27,500	191	144	CW	Glass - Clear	Medium	Pendant 3/4" NPT	Wiring Box
HED-7MC2-CNNN-NGH	19,800	136	146	CW	Glass - Clear	Medium	Pendant 3/4" NPT	Wiring Box
HED-7MC2-BNNN-NGH	14,900	106	141	CW	Glass - Clear	Medium	Pendant 3/4" NPT	Wiring Box
HED-7MC2-ANNN-NGH	11,600	86	135	CW	Glass - Clear	Medium	Pendant 3/4" NPT	Wiring Box

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

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SafeSite® LED High Bay - UL / CSA

Passive Power Supply Model - 347 or 480 VAC



Mechanical Information:

Fixture weight:

40 lbs (18 kg)

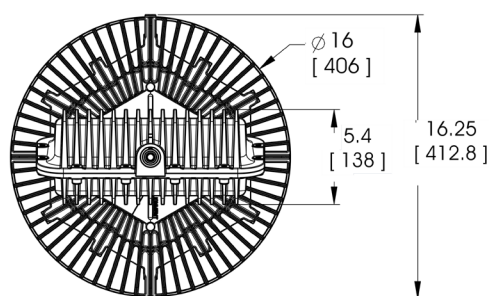
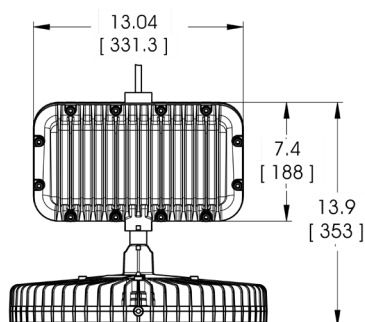
Shipping weight:

45 lbs (20 kg)

Mounting:

3/4" NPT - top
Various Kits

Patent pending



Dimensions in inches (mm)

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 +122°F (-40°C to +50°C)

Certifications & Ratings:

10 year warranty

UL 1598/A (wet locations)

UL 8750

IP66

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

NEMA 4X

L70 rated for >150,000 hours

Electrical Specifications:

Operating Voltage:

347 or 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 Class C

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

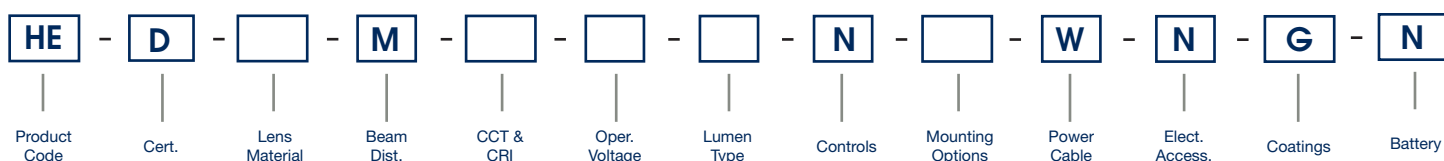
Passive Power Supply Model - 347 or 480 VAC



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

Specifications

Ordering Information



Product Code <hr/> HE High Bay	Beam Distribution <hr/> M Medium	Lumen Type <hr/> A 11,300 Lumens <hr/> B 14,300 Lumens <hr/> C 18,000 Lumens <hr/> E 27,000 Lumens	Power Cable <hr/> W 10' (3 meter) Power Cable
Certification <hr/> D UL 844 CID2, CII, CIII Class I, Zone 2	CCT & CRI <hr/> C Cool White 5000K - 80 CRI <hr/> N Neutral White 4000K - 80 CRI	Controls <hr/> N No Dimming	Electrical Accessories <hr/> N No Plug
Lens Material <hr/> 7 Glass - Clear <hr/> L Polycarbonate Dome - Diffused <hr/> R Power Wash Glass, Clear	Operating Voltage <hr/> P 480 VAC <hr/> Q 347 VAC	Mounting Options <hr/> N Pendant 3/4" NPT <hr/> P Pendant 3/4" NPT with Safety Retention Tabs	Coatings <hr/> G Gray (RAL 7040)
			Battery <hr/> N No Option

Notes

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

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Ordering Information

SafeSite® LED High Bay - Passive Power Supply Model



Passive Power Supply Model - 347 VAC								
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
HED-7MCQ-ENNW-NGN	27,000	206	131	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MCQ-CNNW-NGN	18,000	136	132	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MCQ-BNNW-NGN	14,300	100	143	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MCQ-ANNW-NGN	11,300	81	140	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
Passive Power Supply Model - 480 VAC								
HED-7MCP-ENNW-NGN	27,000	206	131	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MCP-CNNW-NGN	18,000	129	140	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MCP-BNNW-NGN	14,300	116	123	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable
HED-7MCP-ANNW-NGN	11,300	73	155	CW	Glass - Clear	Medium	Pendant 3/4" NPT	10' Power Cable

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

SafeSite® LED Low Bay - UL / CSA Corded Model & Integrated Wiring Box Model

Corded Model



Mechanical Information:

Fixture weight:

18 lbs (8.16kg)

Shipping weight:

24 lbs (10.8kg)

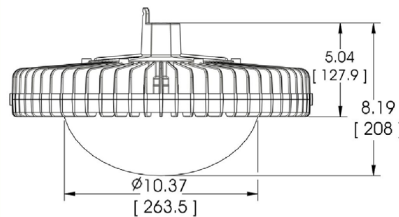
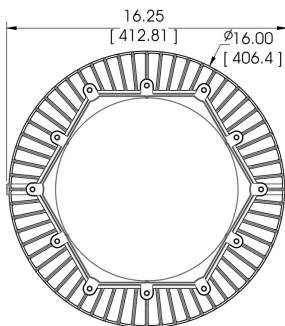
Mounting:

3/4" NPT - top

Various Kits

Power Cord:

10' 18 AWG ST00W/S00W



Integrated Wiring Box Model



Mechanical Information:

Fixture weight:

20 lbs (9 kg)

Shipping weight:

26 lbs (12 kg)

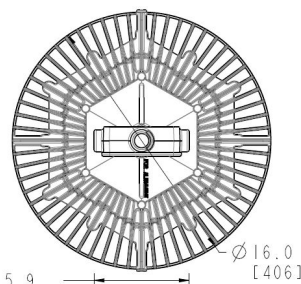
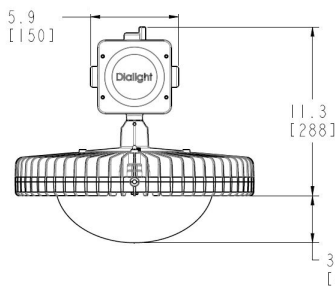
Mounting:

3/4" NPT or Hook

Various Kits

Wiring Box Cable Entries:

(2x) 3/4" NPT



Dimensions in inches (mm)

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 +122°F (-40°C to +50°C)

Certifications & Ratings:

10 year warranty

UL 1598/A (wet locations)

UL 8750

IP66/67

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

Class I, Zone 2, Group II C

Class II, Div. 1 Groups E, F, G (corded model only)

Class II, Div. 2 Groups F, G

Class III, Div. 1 & 2

CSA C22.2 No. 250.0

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 = <10% light output

Electrical Specifications:

Operating Voltage:

100-277 VAC (120-250 VDC)

347-480 VAC

Total system power consumption:

See table

Operating Temp:

-40°F to +149°F (-40°C to +65°C)

Harmonics:

IEC 61000-3-2 Class C

EMC:

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

Transient protection:

100-277 VAC models tested to withstand up to 8kV/4kA per IEEE C62.41

to IEEE

347-480VAC models tested to withstand up to 6kV/3kA per IEEE C62.41

THD:

6k-18k lm models: <20%

4k lm models: <30%

Power Factor:

>0.9

Fusing:

Internal

Power Supply:

ALT: (accelerated life testing)

Over 15 yr equivalent at 24/7 service

MTBF: (mean time between failures)

Over 300 years with annual failure rate less than 0.3% expected

Driver:

Fully potted and sealed for superior protection

Construction:

Housing:

Copper free aluminum

Finish:

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

Lens:

See table

Vibration:

Up to 5G @ 10-150Hz for 750,000 cycles, per IEC 60068-2-6 for luminaire only

Shock:

50G half-sine for 3 cycles, per IEC 60068-2-27 for luminaire only

Photometric Information:

CRI:

80

CCT:

5000K (cool white)
4000K (neutral white)
2700K (warm 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.

SafeSite® LED Low Bay - UL / CSA

Battery Backup Model

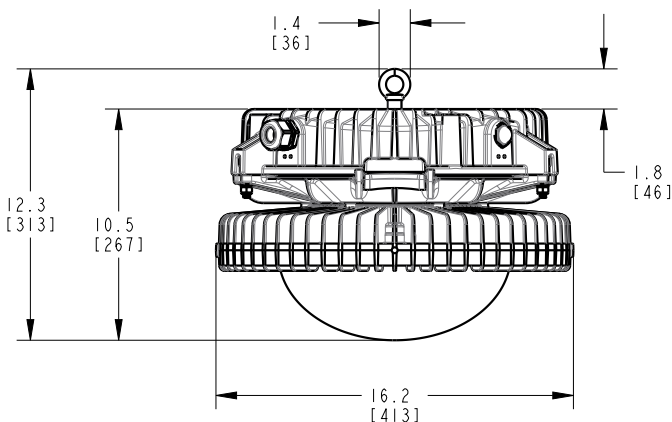
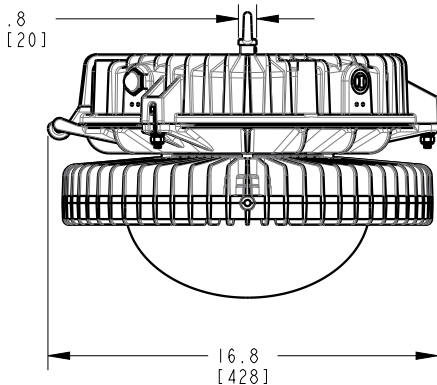


Mechanical Information:

Fixture weight:
39 lbs (17.7 kg) max

Shipping weight:
46 lbs (20.9 kg) max

Mounting:
3/4" NPT - top
Patent pending



Dimensions in inches (mm)

Temperature Ratings:

Ambient temp range T4A temp code: -4°F to +131°F (-20°C to +55°C)

Certifications & Ratings:

10 year warranty (excluding battery)
UL 1598/A (wet locations) IP66/67
UL 924 NEMA 4X
UL 8750 L70 rated for >150,000 hours
CSA C22.2 No. 250.0
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 = <10% light output

Electrical Specifications:

Operating Voltage: 120-277 VAC

Total system power consumption:

See table

Operating Temp:

-40°F to +131°F (-40°C to +55°C)

Harmonics:

IEC 61000-3-2 Class C

EMC:

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

Transient protection:

120-277 VAC models tested to withstand up to 6kV/3kA per IEEE C62.41

THD:

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

Power Factor:

>0.9

Fusing:

Internal

Power Supply:

ALT:
(accelerated life testing)

Over 15 yr equivalent at 24/7 service

MTBF:
(mean time between failures)

Over 300 years with annual failure rate less than 0.3% expected

Driver:

Fully potted and sealed for superior protection

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.

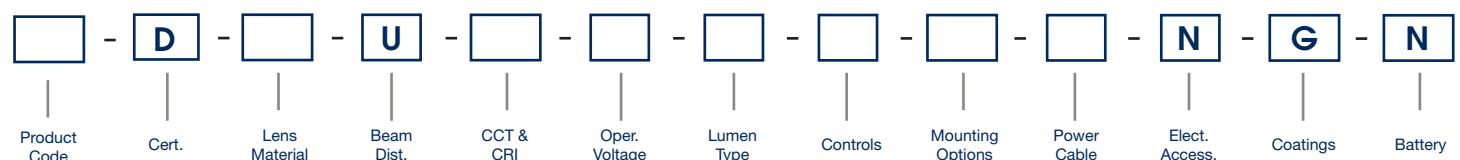
SafeSite® LED Low Bay - UL / CSA

Ordering Information



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

Ordering Information



Product Code		Beam Distribution		Lumen Type		Power Cable	
LC	Low Bay Integrated Wiring Box	U	Ultra Wide	4	3,900 Lumens (100-277V only)	N	No Cord (LC only)
LE	Low Bay			6	6,400 Lumens (100-277V only)	W	10' [3 meter] Power Cable (LE only)
				9	9,200 Lumens		
				B	13,200 Lumens		
				C	17,200 Lumens		
Certification		CCT & CRI		Controls		Electrical Accessories	
D	UL 844 CID2, CII, CIII Class I, Zone 2	C	Cool White 5000K - 80 CRI	D	Dimming (0-10V)	N	No Plug
		N	Neutral White 4000K - 80 CRI	N	No Option		
Lens Material		Operating Voltage		Mounting Options		Coatings	
4	Polycarbonate - Clear	2	100-277 VAC / 120-250 VDC	H	Hook (LC only)	G	Gray (RAL 7040)
5	Polycarbonate - Diffused	5	347-480 VAC	N	Pendant 3/4" NPT		
L	Polycarbonate Dome - Diffused			P	Pendant 3/4" NPT with Safety Retention Tabs	Battery	
				R	Safety Retention Tabs with Hook (LC only)	G	Battery Backup - 10W ¹
						H	Battery Backup - 20W ¹
						N	No Option

Notes <table> <tr> <td>1) Battery Backup only available with Product Code = (LE) and Operating Voltage = (2).</td></tr> </table>	1) Battery Backup only available with Product Code = (LE) and Operating Voltage = (2).
1) Battery Backup only available with Product Code = (LE) and Operating Voltage = (2).	

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Ordering Information

SafeSite® LED High Bay - Corded & Integrated Wiring Box



Corded Model - Class I, Div. 2 - 100-277 VAC / 120-250 VDC								
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
LED-LUC2-CNNW-NGN	17,200	150	115	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
LED-LUC2-BNNW-NGN	13,100	112	117	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
LED-LUC2-9NNW-NGN	9,200	78	118	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
LED-LUC2-6NNW-NGN	6,400	50	128	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
Corded Model - Class I, Div. 2 - 347-480 VAC								
LED-LUC5-CNNW-NGN	17,200	150	115	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
LED-LUC5-BNNW-NGN	13,100	112	117	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	10' Power Cable
LED-LUC5-9NNW-NGN	9,200	78	118	CW	Polycarbonate Dome - Diffused	Ultra Wide	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.

SafeSite® LED High Bay - Battery Backup Model



Battery Backup Model - 10W - 120-277 VAC								
Part Number	Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution	Hardware Options	Wiring
LED-LUC2-CNNN-NGG	17,200	156	110	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	Wiring Box
LED-LUC2-BNNN-NGG	13,100	118	111	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	Wiring Box
LED-LUC2-9NNN-NGG	9,200	84	110	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	Wiring Box
LED-LUC2-6NNN-NGG	6,400	56	114	CW	Polycarbonate Dome - Diffused	Ultra Wide	Pendant 3/4" NPT	Wiring Box

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

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Lumen Tables

Vigilant High Bay 100-277 VAC, 120-250 VDC and 347-480 VAC						
Output	Wattage	Lens	Lens Material	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
E	185	7, R	Glass	27,500	26,900	23,400
	185	2, T	Acrylic	27,200	26,600	23,100
	185	4, V	Polycarbonate	27,200	26,600	23,100
	185	3, U	Acrylic Diffused	27,000	26,400	23,000
	185	5, W	Polycarbonate Diffused	27,000	26,400	23,000
	185	L, Z	Polycarbonate Dome Diffused	26,700	26,100	22,700
	185	8, S	Glass Diffused	25,400	24,900	21,600
C	130	7, R	Glass	19,800	19,400	16,800
	130	2, T	Acrylic	19,600	19,200	16,700
	130	4, V	Polycarbonate	19,600	19,200	16,700
	130	3, U	Acrylic Diffused	19,400	19,000	16,500
	130	5, W	Polycarbonate Diffused	19,400	19,000	16,500
	130	L, Z	Polycarbonate Dome Diffused	19,200	18,800	16,300
	130	8, S	Glass Diffused	18,300	17,900	15,600
B	100	7, R	Glass	14,900	14,600	12,700
	100	2, T	Acrylic	14,800	14,500	12,600
	100	4, V	Polycarbonate	14,800	14,500	12,600
	100	3, U	Acrylic Diffused	14,600	14,300	12,400
	100	5, W	Polycarbonate Diffused	14,600	14,300	12,400
	100	L, Z	Polycarbonate Dome Diffused	14,500	14,200	12,300
	100	8, S	Glass Diffused	13,700	13,400	11,600
A	80	7, R	Glass	11,600	11,400	9,900
	80	2, T	Acrylic	11,500	11,300	9,800
	80	4, V	Polycarbonate	11,500	11,300	9,800
	80	3, U	Acrylic Diffused	11,400	11,200	9,700
	80	5, W	Polycarbonate Diffused	11,400	11,200	9,700
	80	L, Z	Polycarbonate Dome Diffused	11,300	11,100	9,600
	80	8, S	Glass Diffused	10,700	10,500	9,100

Optional battery backup will add 6W to fixture wattage.

SafeSite CID1 High Bay 100-277 VAC and 347-480 VAC						
Output	Wattage	Lens	Lens Material	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
E	185	7	Glass	25,900	25,300	22,000
	185	8	Glass Diffused	23,850	23,350	20,300
C	130	7	Glass	18,600	18,200	15,800
	130	8	Glass Diffused	17,150	16,750	14,550
B	100	7	Glass	14,000	13,700	11,900
	100	8	Glass Diffused	12,900	12,600	10,950
A	80	7	Glass	10,950	10,700	9,300
	80	8	Glass Diffused	10,100	9,850	8,550

Higher efficiency models available. See Ultra-Efficient High Bay spec sheet.

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Lumen Tables

Vigilant Low Bay 100-277 VAC, 120-250 VDC and 347-480 VAC						
Output	Wattage	Lens	Lens Material	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
C	150	2, T	Acrylic	17,500	17,100	14,900
	150	4, V	PC	17,400	17,000	14,800
	150	L, Z	Poly Dome	17,200	16,800	14,600
	150	5, W	Polycarbonate Diffused	17,300	16,900	14,700
	150	3, U	Acrylic Diffused	17,300	16,900	14,700
B	112	2, T	Acrylic	13,400	13,100	11,400
	112	4, V	PC	13,300	13,000	11,300
	112	L, Z	Poly Dome	13,200	12,900	11,200
	112	5, W	Polycarbonate Diffused	13,200	12,900	11,200
	112	3, U	Acrylic Diffused	13,200	12,900	11,200
9	78	2, T	Acrylic	9,400	9,200	8,000
	78	4, V	PC	9,300	9,100	7,900
	78	L, Z	Poly Dome	9,200	9,000	7,800
	78	5, W	Polycarbonate Diffused	9,300	9,100	7,900
	78	3, U	Acrylic Diffused	9,300	9,100	7,900
6	50	2, T	Acrylic	6,500	6,400	5,500
	50	4, V	PC	6,400	6,300	5,400
	50	L, Z	Poly Dome	6,400	6,300	5,400
	50	5, W	Polycarbonate Diffused	6,400	6,300	5,400
	50	3, U	Acrylic Diffused	6,400	6,300	5,400
4	38	2, T	Acrylic	4,000	3,900	3,400
	38	4, V	PC	4,000	3,900	3,400
	38	L, Z	Poly Dome	3,900	3,800	3,300
	38	5, W	Polycarbonate Diffused	3,900	3,800	3,300
	38	3, U	Acrylic Diffused	3,900	3,800	3,300

Optional battery backup will add 6W to fixture wattage.

Higher efficiency models available. See Ultra-Efficient High Bay spec sheet.

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Lumen Tables

Passive Power Supply							
Output	Wattage 347 VAC	Wattage 480 VAC	Lens	Lens Material	Lumens 5000K CCT	Lumens 4000K CCT	Lumens 2700K CCT
E	206	206	7, R	Glass	27,000	26,400	23,000
	206	206	L, Z	Polycarbonate Dome Diffused	25,000	24,500	21,300
	206	206	8, S	Glass Diffused	23,800	23,300	20,200
C	136	129	7, R	Glass	18,000	17,600	15,300
	136	129	L, Z	Polycarbonate Dome Diffused	16,800	16,400	14,300
	136	129	8, S	Glass Diffused	15,800	15,500	13,400
B	100	116	7, R	Glass	14,300	14,000	12,200
	100	116	L, Z	Polycarbonate Dome Diffused	13,300	13,000	11,300
	100	116	8, S	Glass Diffused	12,500	12,200	10,600
A	81	73	7, R	Glass	11,300	11,100	9,600
	81	73	L, Z	Polycarbonate Dome Diffused	10,300	10,100	8,800
	81	73	8, S	Glass Diffused	9,800	9,600	8,300

Battery Backup (BB) Lumen Output:

BB Lumens = (BB Wattage) × (Fixture Lumens / Fixture Wattage)

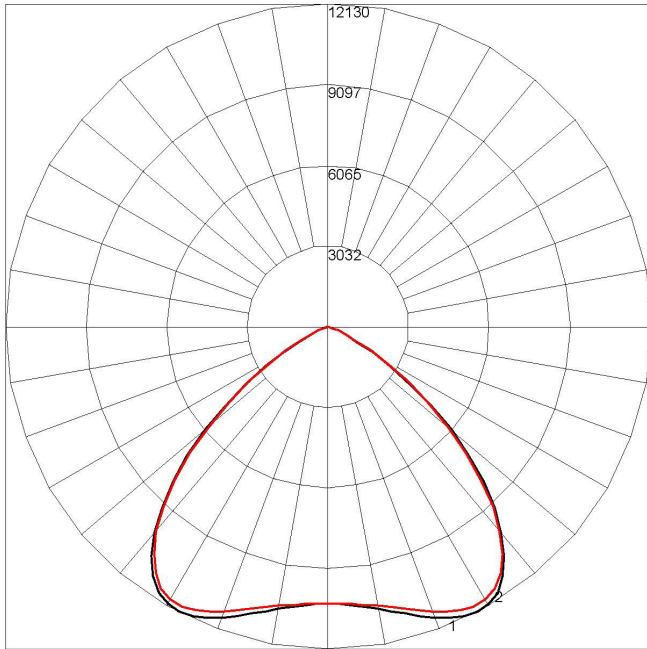
High Bay Example: HEU-7MC2-ENNW-NGH

BB Lumens = 20W × (27,500 / 185)

BB Lumens = 2,973 lumens

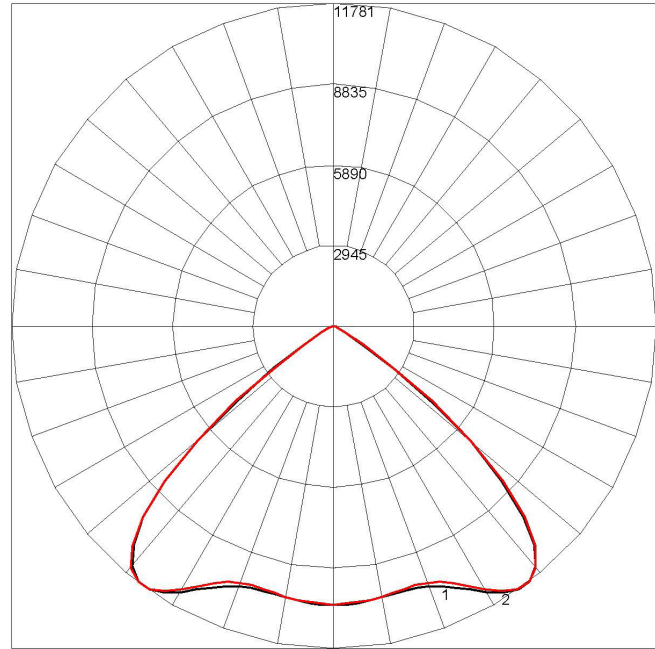
Beam Distribution

High Bay Medium



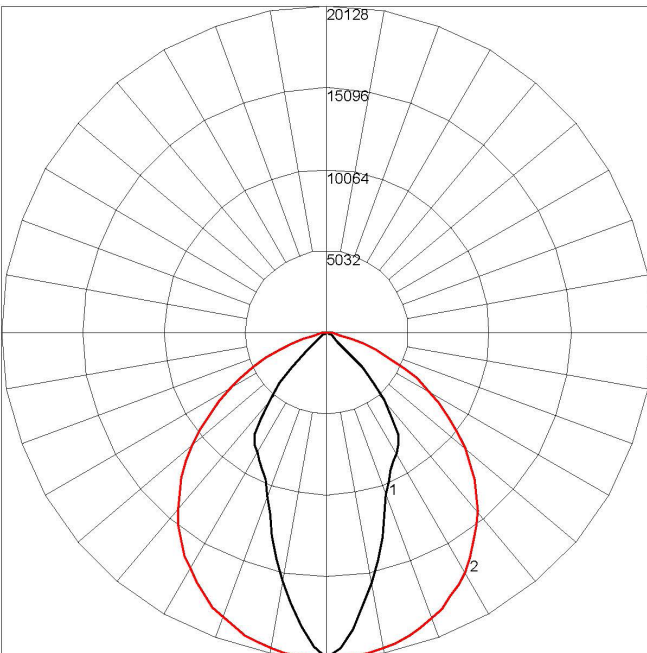
Maximum Candela = 12129.5 Located At Horizontal Angle = 0, Vertical Angle = 27.5
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
 # 2 - Vertical Plane Through Horizontal Angles (90 - 270)

High Bay Wide



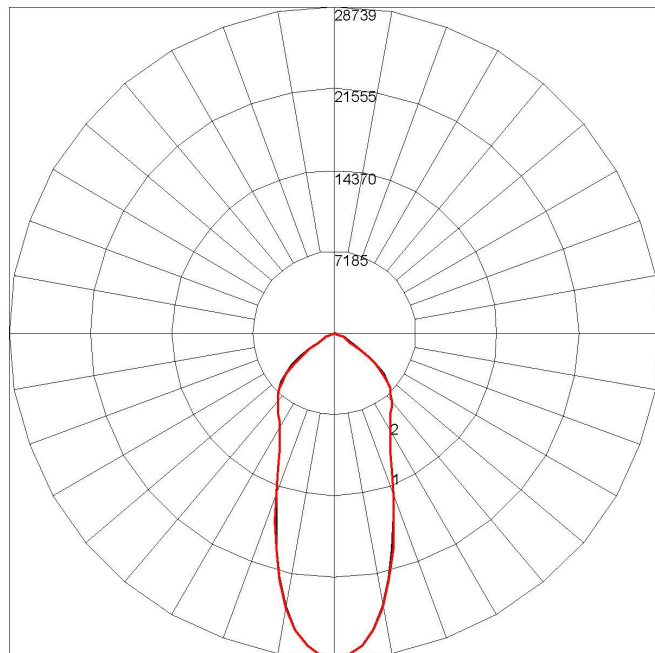
Maximum Candela = 11780.5 Located At Horizontal Angle = 90, Vertical Angle = 37.5
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
 # 2 - Vertical Plane Through Horizontal Angles (90 - 270)

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

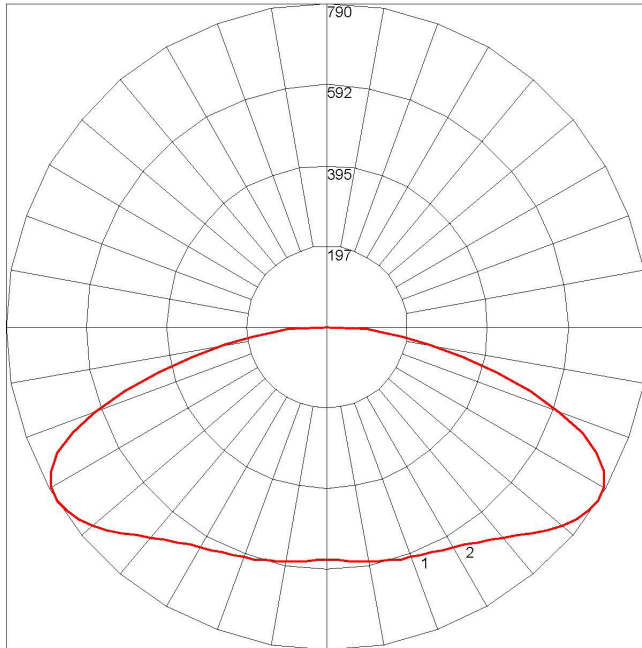


Maximum Candela = 28739.4 Located At Horizontal Angle = 0, Vertical Angle = 0
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
 # 2 - Vertical Plane Through Horizontal Angles (90 - 270)

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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)

Inrush Currents

100-277 VAC Models

Product	Output	Max Wattage	Inrush Current @ Input Voltage			Approximate Time Duration (T50) of Inrush Current	
			100 VAC	120 VAC	277 VAC	120 VAC	277 VAC
Low Bay	4k	43	6.4	7.7	17.8	1.5ms	1.5ms
	6k	58	6.4	7.7	17.8	1.5ms	1.5ms
	9k	86	6.4	7.7	17.8	1.5ms	1.5ms
	14k	120	6.4	7.7	17.8	1.5ms	1.5ms
	18k	167	6.4	7.7	17.8	1.5ms	1.5ms
High Bay	11k	86	6.4	7.7	17.8	1.5ms	1.5ms
	14k	109	6.4	7.7	17.8	1.5ms	1.5ms
	19k	145	6.4	7.7	17.8	1.5ms	1.5ms
	26k	205	6.4	7.7	17.8	1.5ms	1.5ms

347-480 VAC Models

Product	Output	Max Wattage	Inrush Current @ Input Voltage		Approximate Time Duration (T50) of Inrush Current	
			347 VAC	480 VAC	347 VAC	480 VAC
Low Bay	9k	88	22.3	31	1.8ms	1.8ms
	14k	124	22.3	31	1.8ms	1.8ms
	18k	175	22.3	31	1.8ms	1.8ms
High Bay	11k	85	22.3	31	1.8ms	1.8ms
	14k	112	22.3	31	1.8ms	1.8ms
	19k	148	22.3	31	1.8ms	1.8ms
	26k	206	22.3	31	1.8ms	1.8ms

Lumen Maintenance Factor

100-277 VAC Models

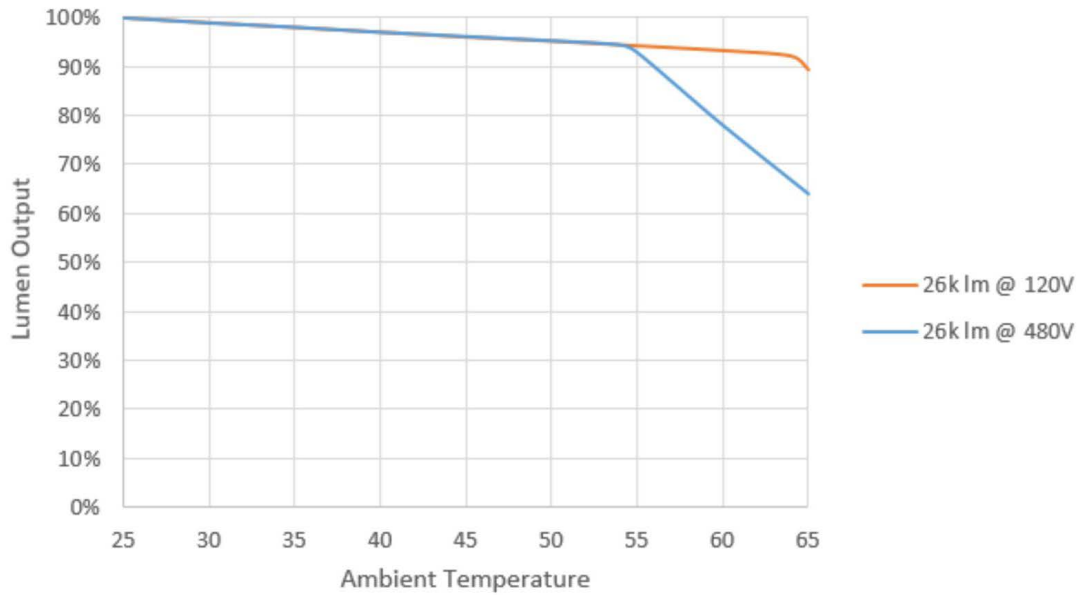
Ambient Temp (°C)	Hours								
	0	15000	30000	45000	60000	75000	90000	100000	150000
25	100%	98%	96%	95%	94%	92%	91%	90%	86%
30	99%	97%	95%	94%	93%	91%	90%	89%	85%
35	98%	96%	94%	93%	92%	91%	89%	89%	84%
40	97%	95%	94%	92%	91%	90%	88%	88%	84%
45	96%	94%	93%	91%	90%	89%	88%	87%	83%
50	95%	93%	92%	91%	89%	88%	87%	86%	82%
55	94%	92%	91%	90%	88%	87%	86%	85%	81%
60	94%	91%	90%	89%	88%	86%	85%	84%	81%
65	90%	88%	86%	84%	83%	81%	80%	79%	74%

347-480 VAC Models

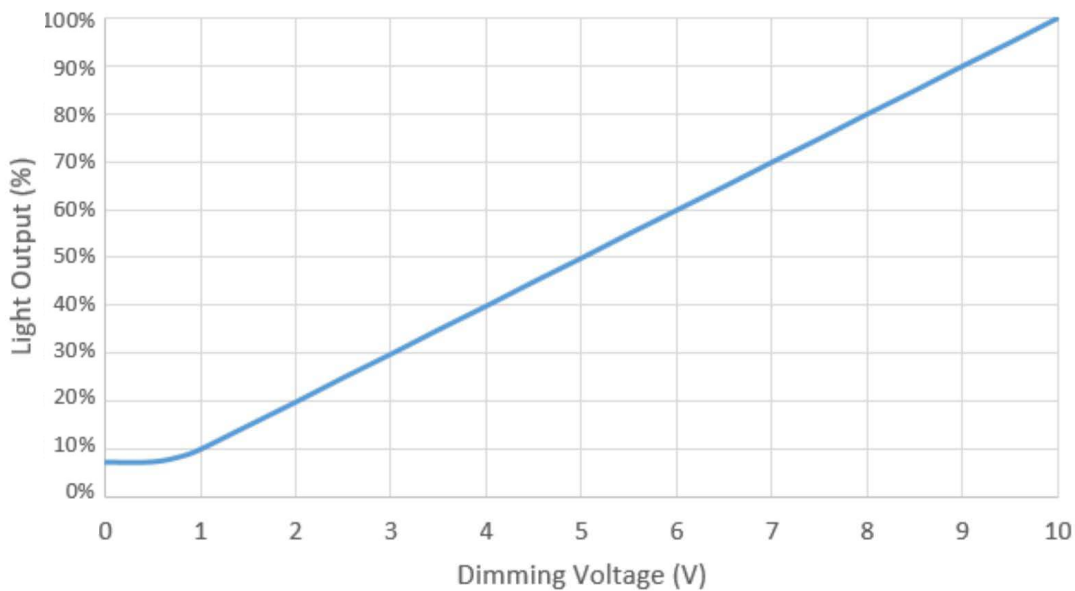
Ambient Temp (°C)	Hours								
	0	15000	30000	45000	60000	75000	90000	100000	150000
25	100%	98%	96%	95%	94%	92%	91%	90%	86%
30	99%	97%	95%	94%	93%	91%	90%	89%	85%
35	98%	96%	94%	93%	92%	91%	89%	89%	84%
40	97%	95%	94%	92%	91%	90%	88%	88%	84%
45	96%	94%	93%	91%	90%	89%	88%	87%	83%
50	95%	93%	92%	91%	89%	88%	87%	86%	82%
55	93%	91%	90%	88%	87%	86%	85%	84%	80%
60	78%	76%	75%	74%	73%	72%	71%	70%	67%
65	64%	63%	62%	61%	60%	59%	58%	58%	55%

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Thermal Roll-Off



Dimming Characterization 0-10V



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



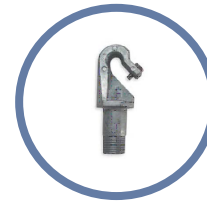
HBXW3-SSL-316
HBXW3-SSL-304

- Stainless steel bracket



HBXCAB48

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



HBXHH

- Hook
- For use with 3 conductor cable only

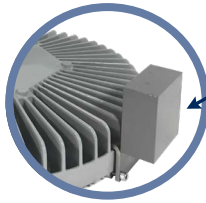


HBXW3-SSL-304FT

- 304 stainless steel forward throw bracket

HBXW3-SSL-316FT

- 316 Stainless steel forward throw bracket



HBXCBOCCFSPG
HBXCBOCCFSPK

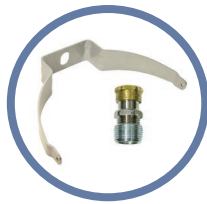
(Counter Balance Occ)

- Powder Coated Steel
- Stainless Steel



HBXHL

- Hook/Loop
- For use with 3 conductor cable only



HBXW2

- Swivel bracket and cable gland

HBXW3

- Swivel bracket



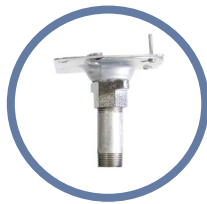
HBXSB

- Stainless Steel (4x)



HBXCG

- Cable gland



HBXCU

- Ceiling / wall mount



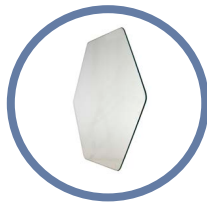
LBXLENP

- Polycarbonate dome lens replacement



HBXDUALBRCKT

- Dual bracket



HBXLENGC

- Clear tempered glass

HBXLENPC

- Polycarbonate lens, clear

HBXLENAC

- Acrylic lens, clear

HBXLENPD

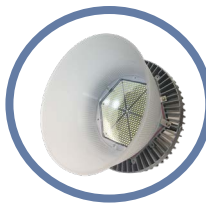
- Polycarbonate lens, diffused

HBXLENAD

- Acrylic lens, diffused

HBXLENGD

- Diffused tempered glass



HBXREF16

- Acrylic reflector



HBXFSIRREMOTE

- Remote for occupancy sensor



HBXDC

- 21° slope dust cover

HBXDC45

- 45° slope dust cover

HBXDC60

- 60° slope dust cover



HBBATTKIT20

- 20W replacement battery

HBBATTKIT10

- 10W replacement battery

Notes

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

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Vigilant® LED High Bay 347V & 480V Passive - 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



HBXH

- Hook
- For use with 3 conductor cable only



HBXCU

- Ceiling / wall mount



HBXCG

- Cable gland



HBXL

- Loop



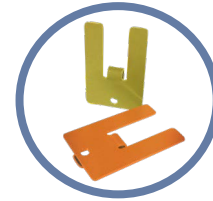
HBXSB

- Stainless Steel (4x)



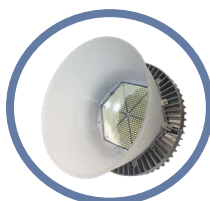
HBXCAB48

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



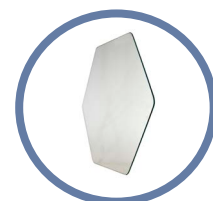
HBXFLAG-Y HBXFLAG-O

- Yellow Aluminum
- Orange Aluminum



HBXREF16

- Acrylic reflector



HBXLENGC

- Clear tempered glass

LBXLENP

- Polycarbonate dome lens

SafeSite® LED High Bay / Low Bay - UL 844



Suitable for:
CID1 • CID2

HBXW1

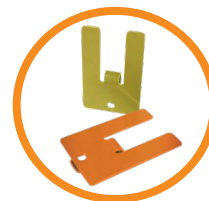
- Wall mount
- HBXC1
- Ceiling mount



Suitable for: CID2

HBXW2

- Swivel bracket and cable gland



HBXFLAG-Y HBXFLAG-O

- Yellow Aluminum
- Orange Aluminum



Suitable for:
CID2

HBXCG

- Cable gland



Suitable for: CID2

HBX-DUAL-BRCKT

- Dual bracket



HBXSB

- Stainless steel (4x)



HBXCAB48

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



Suitable for:
CID1 • CID2

HBXW3-SSL-316

- Stainless steel swivel bracket
- 316 Stainless steel
- HBXW3-SSL-304
- Stainless steel swivel bracket
- 304 Stainless steel



Suitable for: CID2

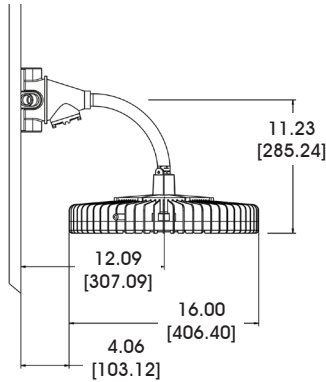
HBBATTKIT20

- 20W replacement battery
- HBBATTKIT10
- 10W replacement battery

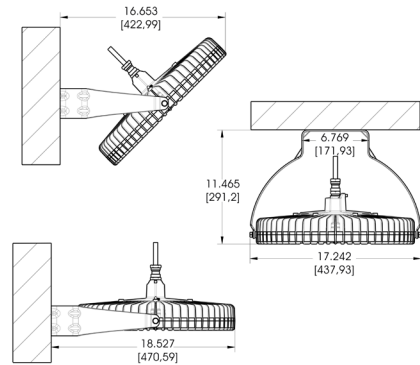
DISCLAIMER. All product information provided is, to the best of Dialight's knowledge, accurate as of the date of publication. When ordering, refer to www.dialight.com for current versions of: (a) relevant product documentation (including the relevant product data sheets); (b) Dialight terms and conditions 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.

SafeSite® LED High Bay / Low Bay - UL 844

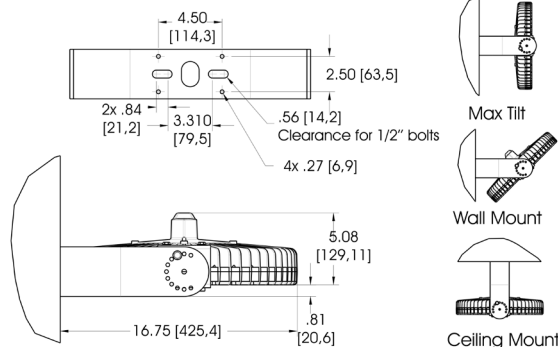
HBXW1 - Wall mount



HBXW2 - Swivel bracket and cable gland

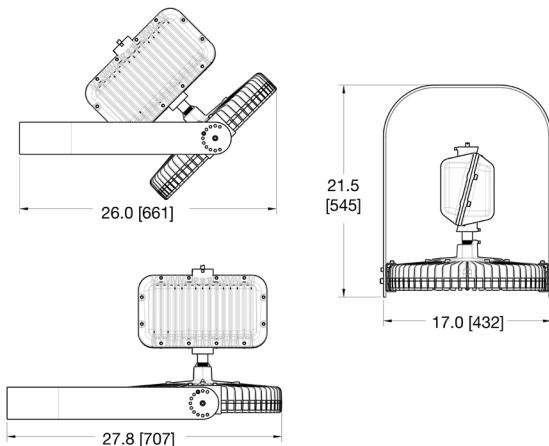


HBXW3-SSL-xxx - Stainless steel bracket

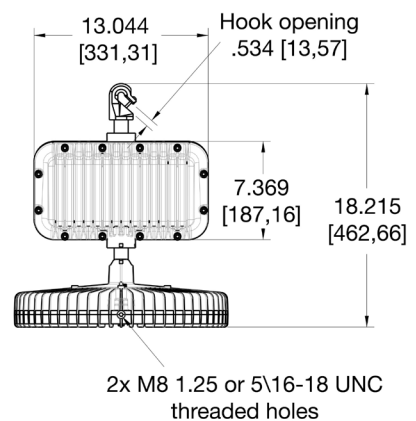


Vigilant® LED High Bay Passive Power Supply - UL / CSA

HLXW3-SS - Swivel Bracket



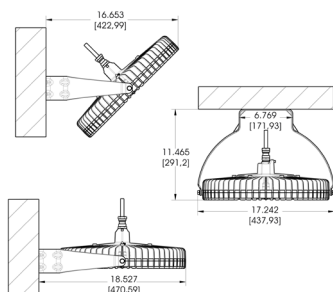
HBXH - Hook



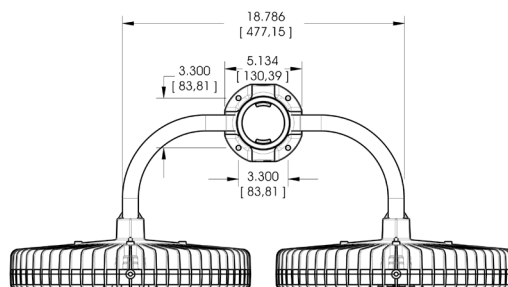
DISCLAIMER. All product information provided is, to the best of Dialight's knowledge, accurate as of the date of publication. When ordering, refer to www.dialight.com for current versions of: (a) relevant product documentation (including the relevant product data sheets); (b) Dialight terms and conditions 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.

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

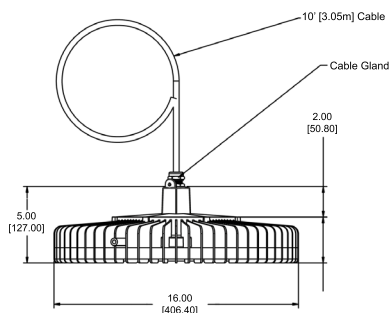
HBXW2 - Swivel Bracket and Cable Gland



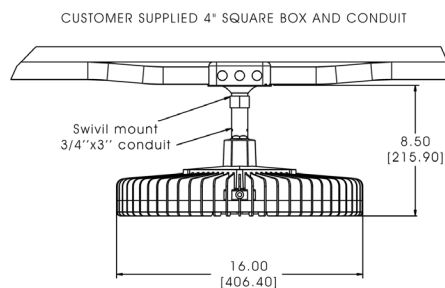
HBXDUALBRCKT - Dual Bracket



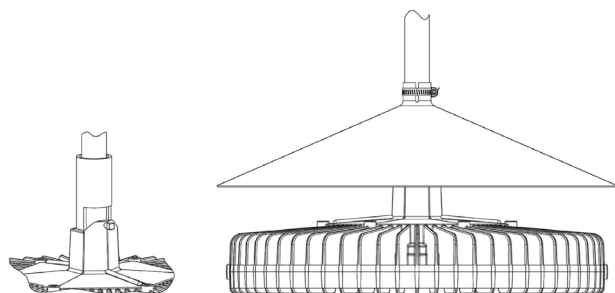
HBXCG - Cable Gland



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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