



Dialight[®] LED High Bay & Low Bay

Technical Specification Sheet - Americas

Vigilant® LED High Bay - UL / CSA

Corded Model & Integrated Wiring Box Model

Corded Model



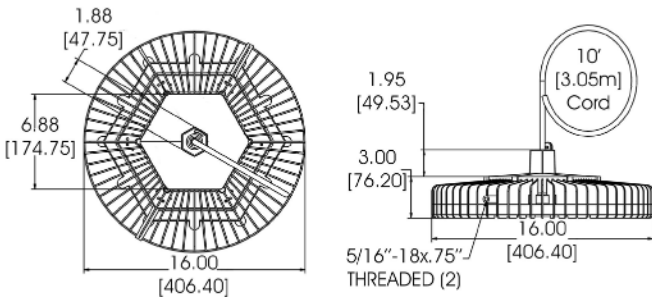
Mechanical Information:

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



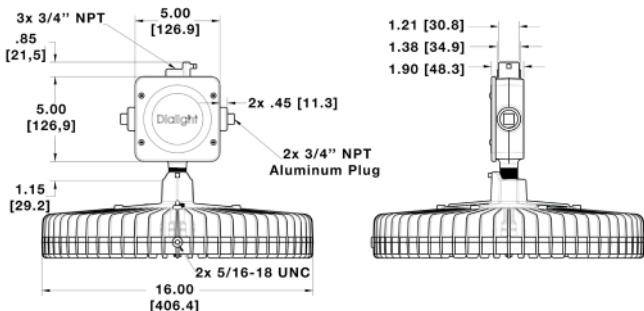
Mechanical Information:

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. 250.0-08
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 = <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

Noise requirement /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

Construction:

Housing: Copper free aluminum

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

Lens: See table

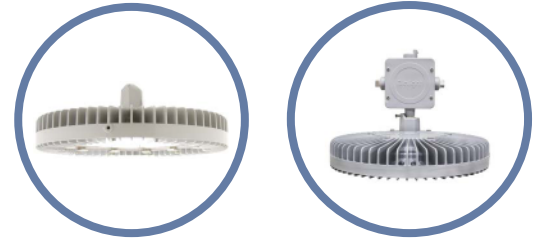
Photometric Information:

CRI: 80

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

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

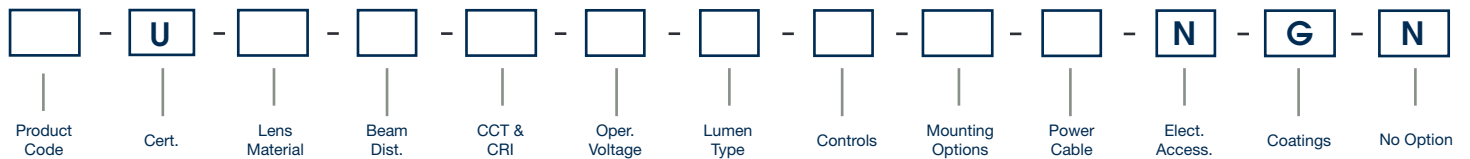
Vigilant® LED High Bay - UL / CSA Corded & Integrated Wiring Box



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

| Specifications |
|----------------|
| |
| |
| |

Ordering Information



| Product Code |
|---|
| HC High Bay Integrated Pendant Wiring Box |
| HE High Bay 3/4" NPT |

| Certification |
|------------------|
| U UL 1598/A, CSA |

| Lens Material |
|---------------------------------------|
| 2 Acrylic - Clear (dry location only) |
| 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 Dimming (HE only) |
| M Occupancy Sensor (HC 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 (HC only) |
| W 10' [3 meter] Power Cable (HE only) |

| Electrical Accessories |
|------------------------|
| N No Plug |

| Coatings |
|-------------------|
| G Gray (RAL 7040) |

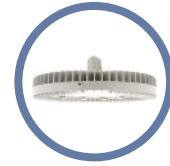
| Option |
|-------------|
| N No Option |

- Notes**
- 1) Lumen type based on using a glass lens. See tables for lumens when changing lenses.
 - 2) When ordering occupancy sensor, use prefix HC.
 - 3) When ordering option HC, Controls = (D) Dimming or (M) Occupancy Sensor.

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.

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



HBXW3-SSL-316
HBXW3-SSL-304

- Stainless steel bracket



HBXCAB48

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



HBXH

- Hook
- For use with 3 conductor cable only

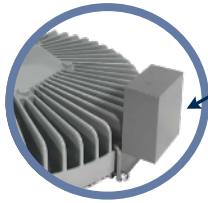


HBXW3-SSL-304FT

- 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



HBXL

- Loop



HBXW2

- Swivel bracket and cable gland

HBXW3

- Swivel bracket



HBXSB

- Stainless Steel (4x)



HBXCG

- Cable gland



HBXCU

- Ceiling / wall mount



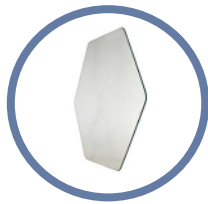
LBXLENP

- Polycarbonate dome lens replacement



HBXDUALBRCKT

- Dual bracket



HBXLENGC

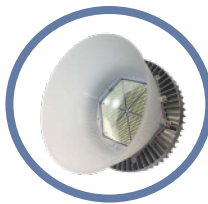
- Clear tempered glass

HBXLENPC

- Polycarbonate lens, clear

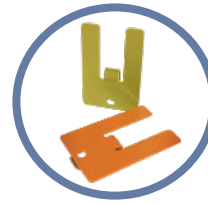
HBXLENAC

- Acrylic lens, clear



HBXREF16

- Acrylic reflector



HBXFLAG-Y
HBXFLAG-O

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

HBXLENPD

- Polycarbonate lens, diffused

HBXLENAD

- Acrylic lens, diffused

HBXLENGD

- Diffused tempered glass



HBXDC

- 21° slope dust cover

HBXDC45

- 45° slope dust cover

HBXDC60

- 60° slope dust cover



HBXFSIRREMOTE

- Remote for occupancy sensor

Notes

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

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.

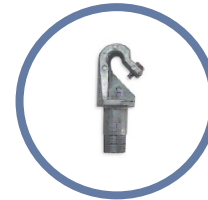
Vigilant® LED High Bay 347V & 480V Passive - UL / CSA



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



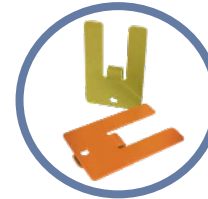
HBXL
 • Loop



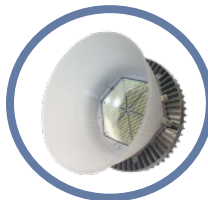
HBXSB
 • Stainless Steel (4x)



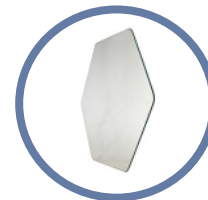
HBXCAB48
 • 48" long stainless steel safety rope (for use with safety bracket)



HBXFLAG-Y
HBXFLAG-O
 • Yellow Aluminum
 • Orange Aluminum



HBXREF16
 • Acrylic reflector



HBXLENGC
 • Clear tempered glass
LBXLENP
 • Polycarbonate dome lens

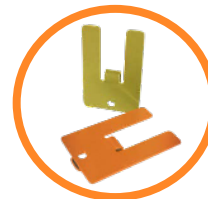
SafeSite® LED High Bay / Low Bay - UL 844



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

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.