Dialight

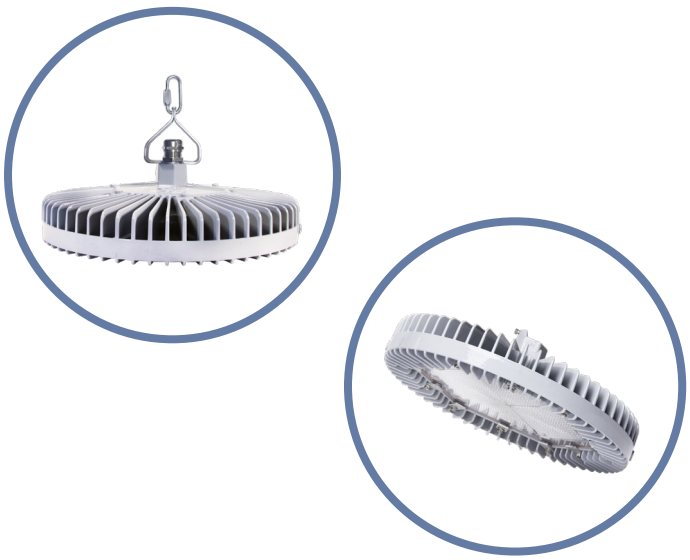
Vigilant® LED High Bay - APAC

for Indoor and Outdoor Industrial Applications

MARCH 2025

Vigilant® LED High Bay - RCM / CE / UL

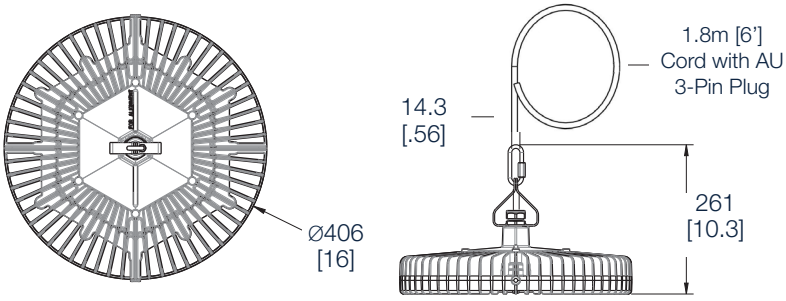
Standard Models



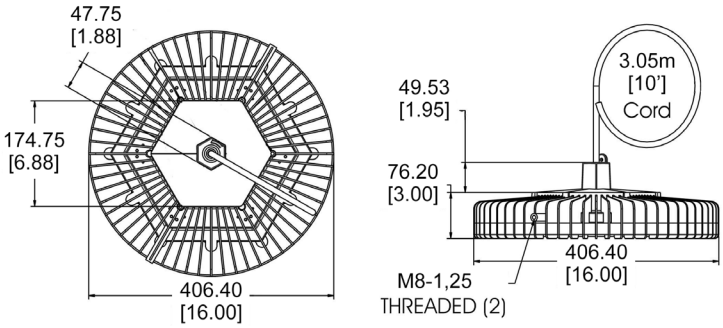
Certifications & Ratings

- 10 year warranty
- L70 >150,000 hours @ 25°C ambient
- CE / RCM / UL 1598/A (wet locations)
- IK10 to EN 50102 (Polycarbonate lens)
  IK06 to EN 50102 (Acrylic lens)
  IK05 to EN 50102 (Glass lens)

CE/RCM Model | Prefix: HEE / VEE



UL Model | Prefix: HEU / VEU



Dimensions in mm [inches]

Mechanical Information:

Fixture weight:	8.2 kg (18 lb)
Shipping weight:	10.9 kg (24 lb)
Mounting:	Hook (CE/RCM) or 3/4" NPT Pendant (UL) swivel bracket (sold separately) Secondary retention option available
Cabling:	1.8m H07BN4-F power cord (CE/RCM) with AU 3-pin plug or 3m STOOW power cord (UL)

Electrical Specifications:

Operating Voltage:	100-277 VAC, 120-250 VDC
Total system power consumption:	See table
Operating Temp:	-40°C to +65°C (-40°F to +149°F)
Harmonics:	IEC 61000-3-2
Transient protection:	Tested to withstand up to 8kV/4kA per IEEE C62.41
THD:	<20%
Power Factor:	> 0.9

Construction:

Housing:	Copper free aluminum
Finish:	Superior dual coat finish - Sealed polyester topcoat - Chemical-resistant epoxy primer
Lens:	Tempered glass Polycarbonate (flat or dome) Acrylic (flat)

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.

Vigilant® LED High Bay
Battery Backup Model

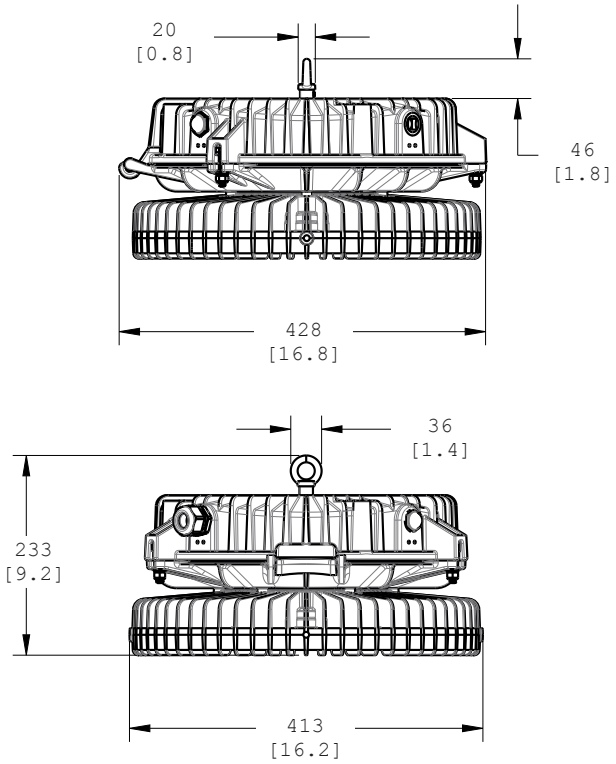
Mechanical Information:

Fixture weight:
17.7 kg (39 lbs)

Shipping weight:
20.9 kg (46 lbs)

Mounting:
Stainless Steel Hook

Prefix: HEE/VEE



Dimensions in mm (inches)

Certifications & Ratings:

10 year warranty (excluding battery)

EN 60598-1:2015,
IEC 60598-1:2014

EN 60598-2-1:1989,
IEC 60598-2-1:2020

IEC60068
Salt spray testing - severity 1

IP66 to EN 60529

IK10 to EN 50102
(Polycarbonate lens)

IK06 to EN 50102 (Acrylic lens)

IK05 to EN 50102 (Glass lens)

D-Marking to EN 60598 2-24
L70 >150,000 hours @ 25°C ambient

Electrical Specifications:

Operating Voltage:	230/240 VAC
Cable Entries:	M25 x 2 sides
Terminals:	0.5-4mm² x 5
Dimming:	DALI enabled
Total system power consumption:	See table
Battery Wattage:	20W
Battery Duration:	60, 90 or 180 minutes (field selectable)
Operating Temp:	-20°C to +55°C
Harmonics:	IEC 61000-3-2
Noise requirement /EMC:	EN 61547: 2009 Radiated and Conducted Emissions: EN 55015
EMC Immunity:	EN 61547: 2009
Transient protection:	120-277 VAC models tested to withstand up to 6kV/3kA per IEEE C62.41.
THD:	< 20%
Power Factor:	> 0.9

Construction:

Housing:	Copper-free aluminium
Finish:	Superior dual coat finish -Sealed polyester topcoat -Chemical-resistant epoxy primer
Lens:	See table
Screws:	Stainless steel 316

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 - RCM / CE

Ordering Information

RCM/CE - Standard Efficiency - Hook Mount

Part Number	Fixture Lumens	Wattage	lm/W	Voltage	Colour Temperature (CCT)	Lens	Beam Distribution
Glass Lens							
HEE7MN2ANH-VZGN	11,400	80	143	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium
HEE7MN2BNH-VZGN	14,600	100	146	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium
HEE7MN2CNH-VZGN	19,400	130	149	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium
HEE7MN2ENH-VZGN	27,000	185	146	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium
HEE7MC2ANH-VZGN	11,600	80	145	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium
HEE7MC2BNH-VZGN	14,900	100	149	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium
HEE7MC2CNH-VZGN	19,800	130	152	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium
HEE7MC2ENH-VZGN	27,500	185	149	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium
Acrylic Lens							
HEE2MN2ANH-VZGN	11,300	80	141	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Acrylic	Medium
HEE2MN2BNH-VZGN	14,500	100	145	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Acrylic	Medium
HEE2MN2CNH-VZGN	19,200	130	148	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Acrylic	Medium
HEE2MN2ENH-VZGN	26,700	185	144	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Acrylic	Medium
HEE2MC2ANH-VZGN	11,500	80	144	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Acrylic	Medium
HEE2MC2BNH-VZGN	14,800	100	148	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Acrylic	Medium
HEE2MC2CNH-VZGN	19,600	130	151	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Acrylic	Medium
HEE2MC2ENH-VZGN	27,200	185	147	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Acrylic	Medium
Polycarbonate Dome Lens							
HEEL2MN2ANH-VZGN	11,100	80	139	100-277 VAC, 120-250 VDC	4000K (neutral white)	Polycarbonate Dome	Medium
HEEL2MN2BNH-VZGN	14,300	100	143	100-277 VAC, 120-250 VDC	4000K (neutral white)	Polycarbonate Dome	Medium
HEEL2MN2CNH-VZGN	19,000	130	146	100-277 VAC, 120-250 VDC	4000K (neutral white)	Polycarbonate Dome	Medium
HEEL2MN2ENH-VZGN	26,400	185	143	100-277 VAC, 120-250 VDC	4000K (neutral white)	Polycarbonate Dome	Medium
HEEL2MC2ANH-VZGN	11,400	80	143	100-277 VAC, 120-250 VDC	5000K (cool white)	Polycarbonate Dome	Medium
HEEL2MC2BNH-VZGN	14,600	100	146	100-277 VAC, 120-250 VDC	5000K (cool white)	Polycarbonate Dome	Medium
HEEL2MC2CNH-VZGN	19,400	130	149	100-277 VAC, 120-250 VDC	5000K (cool white)	Polycarbonate Dome	Medium
HEEL2MC2ENH-VZGN	27,000	185	146	100-277 VAC, 120-250 VDC	5000K (cool white)	Polycarbonate Dome	Medium

All values typical unless otherwise stated (tolerance +/- 10%).
For additional controls options including IntelliLED wireless controls, contact a Dialight sales representative for spec sheet.
Part numbers listed in bold are typically available in stock.
Historical part number provided for reference only. For performance characteristics of historical product, please contact your local representative.

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Vigilant® LED High Bay - RCM / CE

Ordering Information

RCM/CE - Ultra High Efficiency - Hook Mount

Part Number	Fixture Lumens	Wattage	lm/W	Voltage	Colour Temperature (CCT)	Lens	Beam Distribution	Battery Power
Glass Lens								
VEE7MN2ANH-VZGN	11,000	65	169	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium	N/A
VEE7MN2BNH-VZGN	13,700	80	171	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium	N/A
VEE7MN2CNH-VZGN	17,400	96	181	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium	N/A
VEE7MN2ENH-VZGN	24,000	140	171	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium	N/A
VEE7MN2FNH-VZGN	28,100	165	170	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium	N/A
VEE7MN2HNH-VZGN	32,300	195	166	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium	N/A
VEE7MN2JNH-VZGN	37,400	230	163	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium	N/A
VEE7MC2ANH-VZGN	11,000	65	169	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium	N/A
VEE7MC2BNH-VZGN	13,700	80	171	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium	N/A
VEE7MC2CNH-VZGN	17,400	96	181	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium	N/A
VEE7MC2ENH-VZGN	24,000	140	171	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium	N/A
VEE7MC2FNH-VZGN	28,100	165	170	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium	N/A
VEE7MC2HNH-VZGN	32,300	195	166	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium	N/A
VEE7MC2JNH-VZGN	37,400	230	163	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium	N/A
Glass Lens - 20W Battery Backup								
VEE7MNGCAH-NNGH	17,400	96	181	230-240 VAC	4000K (neutral white)	Clear Tempered Glass	Medium	20W
VEE7MNGEAH-NNGH	24,000	140	171	230-240 VAC	4000K (neutral white)	Clear Tempered Glass	Medium	20W
VEE7MNGHAH-NNGH	32,300	195	166	230-240 VAC	4000K (neutral white)	Clear Tempered Glass	Medium	20W
VEE7MNGJAH-NNGH	37,400	230	163	230-240 VAC	4000K (neutral white)	Clear Tempered Glass	Medium	20W
VEE7MCGCAH-NNGH	17,400	96	181	230-240 VAC	5000K (cool white)	Clear Tempered Glass	Medium	20W
VEE7MCGEAH-NNGH	24,000	140	171	230-240 VAC	5000K (cool white)	Clear Tempered Glass	Medium	20W
VEE7MCGHAH-NNGH	32,300	195	166	230-240 VAC	5000K (cool white)	Clear Tempered Glass	Medium	20W
VEE7MCGJAH-NNGH	37,400	230	163	230-240 VAC	5000K (cool white)	Clear Tempered Glass	Medium	20W

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Vigilant® LED High Bay - UL

Ordering Information

UL - Standard Efficiency - 3/4" NPT Mount

Part Number	Fixture Lumens	Wattage	lm/W	Voltage	Colour Temperature (CCT)	Lens	Beam Distribution
Glass Lens							
HEU7MN2ANN-WNGN	11,400	80	143	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium
HEU7MN2BNN-WNGN	14,600	100	146	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium
HEU7MN2CNN-WNGN	19,400	130	149	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium
HEU7MN2ENN-WNGN	27,000	185	146	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium
HEU7MC2ANN-WNGN	11,600	80	145	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium
HEU7MC2BNN-WNGN	14,900	100	149	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium
HEU7MC2CNN-WNGN	19,800	130	152	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium
HEU7MC2ENN-WNGN	27,500	185	149	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium
Acrylic Lens							
HEU2MN2ANN-WNGN	11,300	80	141	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Acrylic	Medium
HEU2MN2BNN-WNGN	14,500	100	145	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Acrylic	Medium
HEU2MN2CNN-WNGN	19,200	130	148	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Acrylic	Medium
HEU2MN2ENN-WNGN	26,700	185	144	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Acrylic	Medium
HEU2MC2ANN-WNGN	11,500	80	144	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Acrylic	Medium
HEU2MC2BNN-WNGN	14,800	100	148	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Acrylic	Medium
HEU2MC2CNN-WNGN	19,600	130	151	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Acrylic	Medium
HEU2MC2ENN-WNGN	27,200	185	147	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Acrylic	Medium

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Part numbers listed in bold are typically available in stock.
Historical part number provided for reference only. For performance characteristics of historical product, please contact your local representative.

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Vigilant® LED High Bay - UL

Ordering Information

UL - Ultra High Efficiency - 3/4" NPT Mount

Part Number	Fixture Lumens	Wattage	lm/W	Voltage	Colour Temperature (CCT)	Lens	Beam Distribution	Power Supply
Glass Lens								
VEU7MN2ANN-WNGN	11,000	65	169	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium	N/A
VEU7MN2BNN-WNGN	13,700	80	171	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium	N/A
VEU7MN2CNN-WNGN	17,400	96	181	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium	N/A
VEU7MN2ENN-WNGN	24,000	140	171	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium	N/A
VEU7MN2FNN-WNGN	28,100	165	170	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium	N/A
VEU7MN2HNN-WNGN	32,300	195	166	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium	N/A
VEU7MN2JNN-WNGN	37,400	230	163	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium	N/A
VEU7MC2ANN-WNGN	11,000	65	169	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium	N/A
VEU7MC2BNN-WNGN	13,700	80	171	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium	N/A
VEU7MC2CNN-WNGN	17,400	96	181	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium	N/A
VEU7MC2ENN-WNGN	24,000	140	171	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium	N/A
VEU7MC2FNN-WNGN	28,100	165	170	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium	N/A
VEU7MC2HNN-WNGN	32,300	195	166	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium	N/A
VEU7MC2JNN-WNGN	37,400	230	163	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium	N/A
Glass Lens - 20W Battery Backup								
VEU7MNGCAH-NNGH	17,400	96	181	230-240 VAC	4000K (neutral white)	Clear Tempered Glass	Medium	20W
VEU7MNGEAH-NNGH	24,000	140	171	230-240 VAC	4000K (neutral white)	Clear Tempered Glass	Medium	20W
VEU7MNGHAH-NNGH	32,300	195	166	230-240 VAC	4000K (neutral white)	Clear Tempered Glass	Medium	20W
VEU7MNGJAH-NNGH	37,400	230	163	230-240 VAC	4000K (neutral white)	Clear Tempered Glass	Medium	20W
VEU7MCGCAH-NNGH	17,400	96	181	230-240 VAC	5000K (cool white)	Clear Tempered Glass	Medium	20W
VEU7MCGEAH-NNGH	24,000	140	171	230-240 VAC	5000K (cool white)	Clear Tempered Glass	Medium	20W
VEU7MCGHAH-NNGH	32,300	195	166	230-240 VAC	5000K (cool white)	Clear Tempered Glass	Medium	20W
VEU7MCGJAH-NNGH	37,400	230	163	230-240 VAC	5000K (cool white)	Clear Tempered Glass	Medium	20W

All values typical unless otherwise stated (tolerance +/- 10%).
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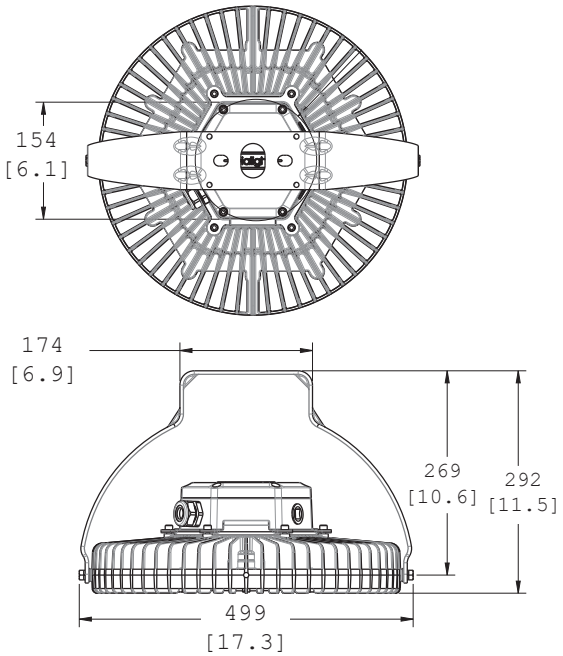
Vigilant® LED High Bay

Integrated Wiring Box Models

Certifications & Ratings

- 10 year warranty
- L70 >150,000 hours @ 25°C ambient
- CE / RCM / UL 1598/A (wet locations)
- IK10 to EN 50102 (Polycarbonate lens)
  IK06 to EN 50102 (Acrylic lens)
  IK05 to EN 50102 (Glass lens)



Comparison		
	Warranty	**L70**
Dialight LED High Bay	10yr	>150,000
Metal Halide	1	15,000
High Pressure Sodium	1	20,000

Mechanical Information:

Fixture weight:	9.1 kg (20 lb)
Shipping weight:	11.8 kg (26 lb)
Mounting:	Various kits (see page 10)
Cable entries:	M25 x 3
Terminals:	0.5-4mm^2 x 5

Dimming Information:

Dimming:	DALI 1.0 and 2.0 compatible
Dimming Range:	100-5%

Electrical Specifications:

Operating Voltage:	100-277 VAC 120-250 VDC
Total system power consumption:	See table
Operating Temp:	-40°C to +65°C
Harmonics:	IEC 61000-3-2
Noise requirement /EMC:	EN 61547: 2009 Radiated and Conducted Emissions: EN 55015
EMC Immunity:	EN 61547: 2009
Transient protection:	Tested to withstand up to 8kV/4kA per IEEE C62.41
THD:	< 20%
Power Factor:	> 0.9

Construction:

Housing:	Copper-free aluminium
Finish:	Superior dual coat finish -Sealed polyester topcoat -Chemical-resistant epoxy primer
Lens:	See table
Screws:	Stainless steel 316

Photometric Information:

CRI:	80
CCT:	5000K (cool white) 4000K (neutral white) 2700K

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

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Vigilant® LED High Bay - RCM / CE / UL

Integrated Wiring Box - Ordering Information

RCM/CE - Integrated Wiring Box - DALI with HBXW3 Bracket

Part Number	Fixture Lumens	Wattage	lm/W	Voltage	Colour Temperature (CCT)	Lens	Beam Distribution
Standard Efficiency							
HWE7MN2AAA-NNGN	11,400	80	143	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium
HWE7MN2BAA-NNGN	14,600	100	146	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium
HWE7MN2CAA-NNGN	19,400	130	149	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium
HWE7MN2EAA-NNGN	27,000	185	146	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium
HWE7MC2AAA-NNGN	11,600	80	145	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium
HWE7MC2BAA-NNGN	14,900	100	149	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium
HWE7MC2CAA-NNGN	19,800	130	152	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium
HWE7MC2EAA-NNGN	27,500	185	149	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium
Ultra High Efficiency							
VWE7MN2HAA-NNGN	32,300	195	166	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium
VWE7MN2JAA-NNGN	37,400	230	163	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium
VWE7MC2HAA-NNGN	32,300	195	166	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium
VWEMC2JAA-NNGN	37,400	230	163	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium

UL - Integrated Wiring Box - DALI with HBXW3 Bracket

Part Number	Fixture Lumens	Wattage	lm/W	Voltage	Colour Temperature (CCT)	Lens	Beam Distribution
Standard Efficiency							
HWU7MN2AAA-NNGN	11,400	80	143	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium
HWU7MN2BAA-NNGN	14,600	100	146	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium
HWU7MN2CAA-NNGN	19,400	130	149	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium
HWU7MN2EAA-NNGN	27,000	185	146	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium
HWU7MC2AAA-NNGN	11,600	80	145	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium
HWU7MC2BAA-NNGN	14,900	100	149	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium
HWU7MC2CAA-NNGN	19,800	130	152	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium
HWU7MC2EAA-NNGN	27,500	185	149	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium
Ultra High Efficiency							
VWU7MN2HAA-NNGN	32,300	195	166	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium
VWU7MN2JAA-NNGN	37,400	230	163	100-277 VAC, 120-250 VDC	4000K (neutral white)	Clear Tempered Glass	Medium
VWE7MC2HAA-NNGN	32,300	195	166	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium
VWE7MC2JAA-NNGN	37,400	230	163	100-277 VAC, 120-250 VDC	5000K (cool white)	Clear Tempered Glass	Medium

All values typical unless otherwise stated (tolerance +/- 10%).
Flat clear acrylic lens available. Consult local Dialight sales office for availability.
Historical part number provided for reference only. For performance characteristics of historical product, please contact your local representative.

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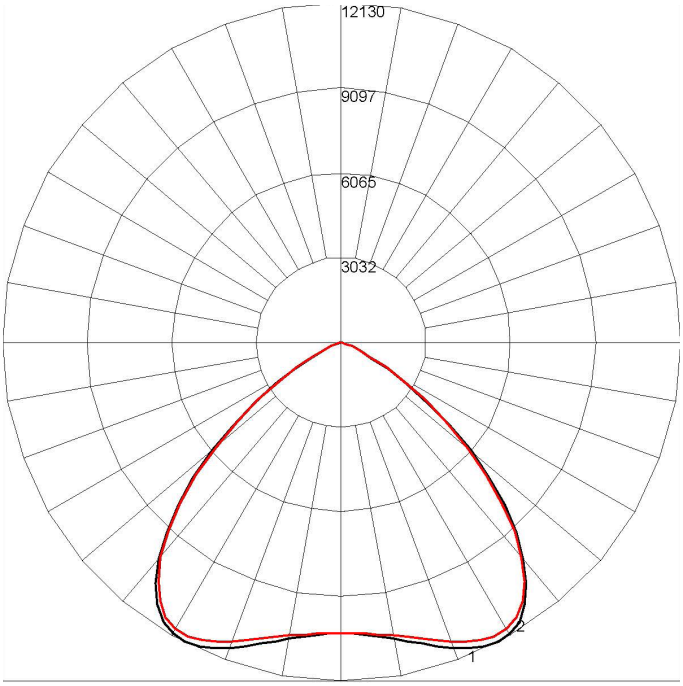
Beam Distribution

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)

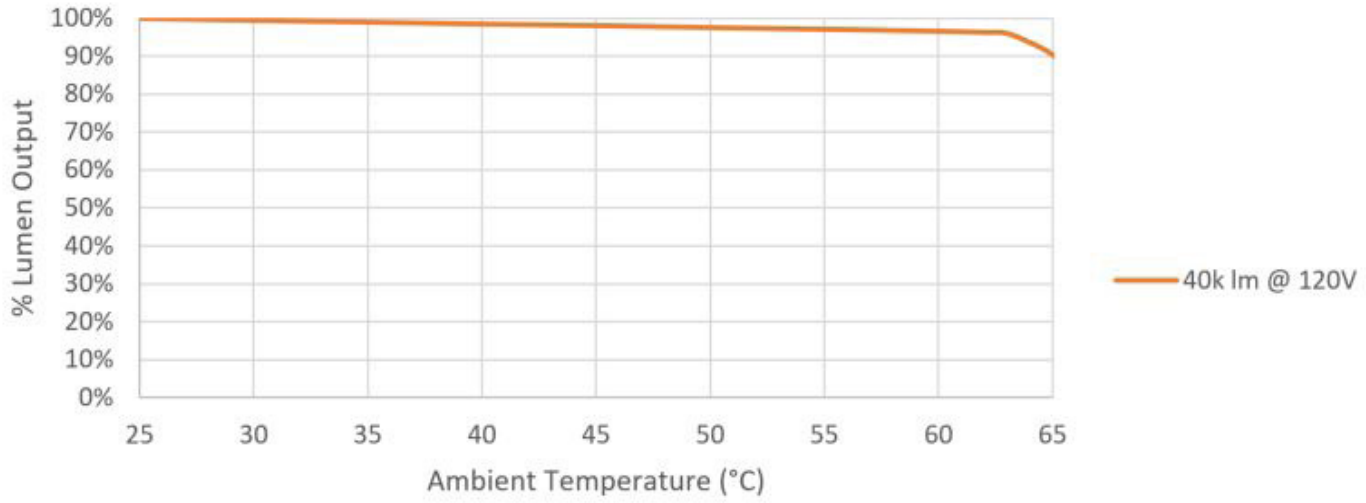
Lumen Output

Battery Backup

Typical Lumen Output	Wattage	Lumens in EM Mode (20W Battery)
11k	65	3380
13k	80	3420
17k	96	3260
24k	140	3420
28k	165	3400
32k	195	3320
37k	230	3260

Typical output based on Glass lens, Med optic. Output may vary slightly with different options. Tolerance +/- 10%.

Thermal Roll-Off



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In Rush Currents

Model	Max Wattage	In rush current @ input voltage				Approximate time duration (T50) of in rush current			
		100 VAC	120 VAC	230 VAC	277 VAC	100 VAC	120 VAC	230 VAC	277 VAC
11k	86	6.4	7.7	14.8	17.8	1.5ms	1.5ms	1.5ms	1.5ms
14k	109	6.4	7.7	14.8	17.8	1.5ms	1.5ms	1.5ms	1.5ms
19k	145	6.4	7.7	14.8	17.8	1.5ms	1.5ms	1.5ms	1.5ms
26k	205	6.4	7.7	14.8	17.8	1.5ms	1.5ms	1.5ms	1.5ms
30k	190	6.4	7.7	14.8	17.8	1.5ms	1.5ms	1.5ms	1.5ms
35k	225	6.4	7.7	14.8	17.8	1.5ms	1.5ms	1.5ms	1.5ms
40k	261	6.4	7.7	14.8	17.8	1.5ms	1.5ms	1.5ms	1.5ms

Lumen Maintenance Factor

% Lumen Output (40k lm @ 120V)									
Ambient Temp (°C)	Hours								
	0	15000	30000	45000	60000	75000	90000	100000	150000
25	100%	96%	93%	90%	87%	84%	81%	80%	71%
30	100%	96%	93%	90%	87%	84%	81%	79%	71%
35	99%	95%	92%	89%	86%	84%	80%	79%	71%
40	99%	95%	92%	89%	86%	83%	80%	79%	70%
45	98%	94%	91%	88%	85%	82%	80%	78%	69%
50	98%	94%	91%	87%	84%	82%	79%	77%	69%
55	97%	93%	90%	87%	84%	81%	78%	76%	68%
60	97%	93%	89%	86%	83%	80%	77%	75%	67%
65	90%	87%	84%	80%	78%	75%	72%	70%	62%

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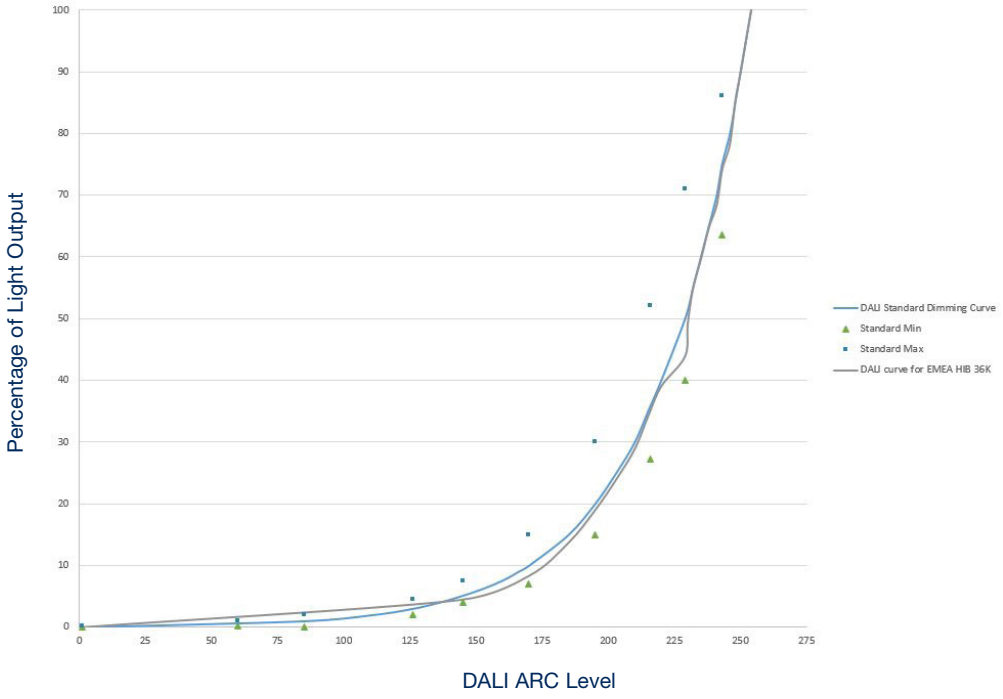
Circuit Breaker

Model	Maximum # of Lights per Breaker @ 100 VAC			Maximum # of Lights per Breaker @ 120 VAC			Maximum # of Lights per Breaker @ 230 VAC			Maximum # of Lights per Breaker @ 277 VAC		
	C10	B16	C16	C10	B16	C16	C10	B16	C16	C10	B16	C16
11k	8	13	13	10	16	16	19	30	30	22	35	35
14k	6	10	10	8	12	12	15	24	24	17	28	28
19k	5	8	8	6	9	9	11	18	18	13	20	20
26k	3	5	5	4	7	7	8	13	13	9	15	15
30k	4	6	6	5	7	7	9	14	14	10	17	17
35k	3	5	5	4	6	6	8	12	12	9	14	14
40k	3	4	4	3	5	5	7	10	10	8	12	12

DALI Dimming Curve



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Earth Leakage

Voltage		Typical Measurements			
		Normal (mA)	Live to Neutral or L1 to L2 Reversed (mA)	Neutral or L2 Open (mA)	Neutral or L2 Open Reversed (mA)
120V/60Hz		0.27	0.25	0.46	0.45
230V/50Hz		0.41	0.40	0.78	0.77
277V/60Hz		0.56	0.56	1.05	1.03

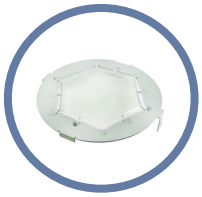
Vigilant® LED High Bay - RCM / CE / UL

Mounting Accessories

HBXW3-SS[1]
- 316 stainless steel swivel bracket

HBXW3-SSL-316M[1]
- 316 stainless steel adjustable locking bracket

HBXCAB48
- 48" long stainless steel safety rope (for use with safety retention tabs)



HBXSBK
- LED High Bay textured flat lens

HBXSBL
- LED High Bay sacrificial flat lens

HBXSBDK
- LED High Bay textured dome lens

HBXSBDL
- LED High Bay sacrificial dome lens

HBXCG
- Cable gland

HBXW3-SSL-316FTM[1]
- 316 stainless steel forward throw bracket

HBXSB
- 316 stainless steel safety retention tabs (4x)

HBXCU
- Ceiling / wall mount
- UL only

HBXW2[1]
- Aluminum swivel bracket and cable gland

HBXW3[1]
- Aluminum swivel bracket

HBBATTKIT20
- 20W replacement battery

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

[1] Brackets not compatible with Battery Backup models.

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