Dialight

Dialight® LED High Bay - High Output

Technical Specification Sheet - Americas

NOVEMBER 2018

Vigilant® LED High Bay - High Output

Standard Models

Certifications & Ratings

- UL 1598/A (wet locations)
- CSA C22.2 No. 250 (wet locations)
- IP66/67
- NEMA 4X
- Factory installed secondary retention bracket, optional safety cable accessory available

Dimensions in inches [mm]

Mechanical Information:

Weight (120-277 VAC):	63 lbs (28.6 kg)
Wire box:	7 lbs (3.2 kg)
Light fixture:	56 lbs (25.4 kg)
Weight (347/480 VAC):	79 lbs (35.8 kg)
Wire box:	23 lbs (10.4 kg)
Light fixture:	56 lbs (25.4 kg)
Shipping weight:	
120-277 VAC models:	82.6 lbs (37.5 kg)
347/480 VAC models:	98.6 lbs (44.7 kg)

Note that the wire box is installed separately from the housing. This allows single installer for fixtures.

120-277 VAC wire box:	7 lbs (3.2 kg) [mount first]
347/480 VAC wire box:	23 lbs (10.4 kg) [mount first]
Light fixture (base):	56 lbs (25.4 kg) [mount last]
Mounting Entries:	(1) 3/4" NPT - top (4) 3/4" NPT - sides

Variable Dimming Option:

Variable Dimming Cable:	Two conductor cable
Power Cable:	Three conductor cable
Variable Dimming Control:	0-10 VDC
Dimming Range:	10 VDC = 100% light output 0 VDC = 5% light output

Electrical Specifications:

Operating Voltage:	120-277 VAC, 50/60Hz 347/480 VAC, 50/60Hz
Total system power consumption:	See table
Operating Temp:	-40°F to +149°F (-40°C to +65°C)
Harmonics:	IEC 61000-3-2
Noise requirement /EMC:	FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz
Transient protection:	6kV/3kA combination wave, as per IEEE C62.41, line-line and line-ground
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, Acrylic, Polycarbonate

Photometric Information:

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

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

Ordering Information

Vigilant® LED High Bay - High Output - Standard Models

Part Number	Fixture Lumen	Watt	lm/W	Voltage	CCT	CRI	Lens	Beam Distribution	Controls
Standard Models - 120-277 VAC Models									
H6U-7MC2-RDNN-NGN	72,000	484	149	120-277 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H6U-7NC2-RDNN-NGN	72,000	484	149	120-277 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H6U-4MC2-RDNN-NGN	69,100	484	143	120-277 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H6U-4NC2-RDNN-NGN	69,100	484	143	120-277 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H6U-2MC2-RDNN-NGN	67,700	484	140	120-277 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H6U-2NC2-RDNN-NGN	67,700	484	140	120-277 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H6U-7MC2-NDNN-NGN	60,000	414	145	120-277 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H6U-7NC2-NDNN-NGN	60,000	414	145	120-277 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H6U-4MC2-NDNN-NGN	57,600	414	139	120-277 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H6U-4NC2-NDNN-NGN	57,600	414	139	120-277 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H6U-2MC2-NDNN-NGN	56,400	414	136	120-277 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H6U-2NC2-NDNN-NGN	56,400	414	136	120-277 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H6U-7MC2-KDNN-NGN	45,000	309	146	120-277 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H6U-7NC2-KDNN-NGN	45,000	309	146	120-277 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H6U-4MC2-KDNN-NGN	43,200	309	140	120-277 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H6U-4NC2-KDNN-NGN	43,200	309	140	120-277 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H6U-2MC2-KDNN-NGN	42,300	309	137	120-277 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H6U-2NC2-KDNN-NGN	42,300	309	137	120-277 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
Standard Models - 347 VAC Models									
H6U-7MCB-RDNN-NGN	72,000	506	142	347 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H6U-7NCB-RDNN-NGN	72,000	506	142	347 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H6U-4MCB-RDNN-NGN	69,100	506	137	347 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H6U-4NCB-RDNN-NGN	69,100	506	137	347 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H6U-2MCB-RDNN-NGN	67,700	506	134	347 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H6U-2NCB-RDNN-NGN	67,700	506	134	347 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H6U-7MCB-NDNN-NGN	60,000	431	139	347 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H6U-7NCB-NDNN-NGN	60,000	431	139	347 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H6U-4MCB-NDNN-NGN	57,600	431	134	347 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H6U-4NCB-NDNN-NGN	57,600	431	134	347 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H6U-2MCB-NDNN-NGN	56,400	431	131	347 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H6U-2NCB-NDNN-NGN	56,400	431	131	347 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H6U-7MCB-KDNN-NGN	45,000	324	139	347 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H6U-7NCB-KDNN-NGN	45,000	324	139	347 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H6U-4MCB-KDNN-NGN	43,200	324	133	347 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H6U-4NCB-KDNN-NGN	43,200	324	133	347 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H6U-2MCB-KDNN-NGN	42,300	324	131	347 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H6U-2NCB-KDNN-NGN	42,300	324	131	347 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming

All values typical unless otherwise stated (tolerance +/- 10%).
Neutral white color temperature is available for products in the above table. Replace the sixth character C with N. Ex: H6U-7MC2-RDNN-NGN becomes H6U-7MN2-RDNN-NGN.

Ordering Information

Vigilant® LED High Bay - High Output - Standard Models

Part Number	Fixture Lumen	Watt	lm/W	Voltage	CCT	CRI	Lens	Beam Distribution	Controls
Standard Models - 480 VAC Models									
H6U-7MCD-RDNN-NGN	72,000	506	142	480 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H6U-7NCD-RDNN-NGN	72,000	506	142	480 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H6U-4MCD-RDNN-NGN	69,100	506	137	480 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H6U-4NCD-RDNN-NGN	69,100	506	137	480 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H6U-2MCD-RDNN-NGN	67,700	506	134	480 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H6U-2NCD-RDNN-NGN	67,700	506	134	480 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H6U-7MCD-NDNN-NGN	60,000	431	139	480 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H6U-7NCD-NDNN-NGN	60,000	431	139	480 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H6U-4MCD-NDNN-NGN	57,600	431	134	480 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H6U-4NCD-NDNN-NGN	57,600	431	134	480 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H6U-2MCD-NDNN-NGN	56,400	431	131	480 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H6U-2NCD-NDNN-NGN	56,400	431	131	480 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H6U-7MCD-KDNN-NGN	45,000	324	139	480 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H6U-7NCD-KDNN-NGN	45,000	324	139	480 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H6U-4MCD-KDNN-NGN	43,200	324	133	480 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H6U-4NCD-KDNN-NGN	43,200	324	133	480 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H6U-2MCD-KDNN-NGN	42,300	324	131	480 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H6U-2NCD-KDNN-NGN	42,300	324	131	480 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming

All values typical unless otherwise stated (tolerance +/- 10%).
Neutral white color temperature is available for products in the above table. Replace the sixth character C with N. Ex: H6U-7MCD-RDNN-NGN becomes H6U-7MND-RDNN-NGN.

Vigilant® LED High Bay - High Output

Occupancy Sensor Models

Certifications & Ratings

- 10 year warranty
- UL 1598/A (wet locations)
- CSA C22.2 No. 250 (wet locations)
- IP66
- NEMA 4X

Dimensions in inches [mm]

Mechanical Information:

Weight (120-277 VAC):	63 lbs (28.6 kg)
Wire box:	7 lbs (3.2 kg)
Light fixture:	56 lbs (25.4 kg)
Weight (347/480 VAC):	79 lbs (35.8 kg)
Wire box:	23 lbs (10.4 kg)
Light fixture:	56 lbs (25.4 kg)
Shipping weight:	
120-277 VAC models:	82.6 lbs (37.5 kg)
480 VAC models:	98.6 lbs (44.7 kg)

Note that the wire box is installed separately from the housing. This allows single installer for fixtures.

120-277 VAC wire box:	7 lbs (3.2 kg) [mount first]
347/480 VAC wire box:	23 lbs (10.4 kg) [mount first]
Light fixture (base):	56 lbs (25.4 kg) [mount last]
Mounting Entries:	(1) 3/4" NPT - top (3) 3/4" NPT - sides

Electrical Specifications:

Operating voltage:	120-277 VAC, 50/60Hz 347/480 VAC, 50/60Hz
Operating temperature:	-40°F to +149°F (-40°C to +65°C)
Harmonics:	IEC 61000-3-2
Noise requirement /EMC:	FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz
Transient protection:	6kV/3kA combination wave, as per IEEE C62.41, line-line and line-ground
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, acrylic, polycarbonate

Photometric Information:

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

All values typical unless otherwise stated (tolerance +/- 10%)
Additional color temperature options available, consult factory.

Ordering Information

Vigilant® LED High Bay - High Output - Occupancy Sensor Models

Part Number	Fixture Lumen	Watt	lm/W	Voltage	CCT	Lens	Beam Distribution	Controls
Occupancy Sensor Models								
H6U-7MC2-KMNN-NGN	45,000	309	146	120-277 VAC	5000K (cool white)	Glass	Medium	Occupancy Sensor
H6U-7NC2-KMNN-NGN	45,000	309	146	120-277 VAC	5000K (cool white)	Glass	Narrow	Occupancy Sensor
H6U-4MC2-KMNN-NGN	43,200	309	140	120-277 VAC	5000K (cool white)	Polycarbonate	Medium	Occupancy Sensor
H6U-4NC2-KMNN-NGN	43,200	309	140	120-277 VAC	5000K (cool white)	Polycarbonate	Narrow	Occupancy Sensor
H6U-2MC2-KMNN-NGN	42,300	309	137	120-277 VAC	5000K (cool white)	Acrylic	Medium	Occupancy Sensor
H6U-2NC2-KMNN-NGN	42,300	309	137	120-277 VAC	5000K (cool white)	Acrylic	Narrow	Occupancy Sensor
H6U-7MCB-KMNN-NGN	45,000	324	139	347 VAC	5000K (cool white)	Glass	Medium	Occupancy Sensor
H6U-7NCB-KMNN-NGN	45,000	324	139	347 VAC	5000K (cool white)	Glass	Narrow	Occupancy Sensor
H6U-4MCB-KMNN-NGN	43,200	324	133	347 VAC	5000K (cool white)	Polycarbonate	Medium	Occupancy Sensor
H6U-4NCB-KMNN-NGN	43,200	324	133	347 VAC	5000K (cool white)	Polycarbonate	Narrow	Occupancy Sensor
H6U-2MCB-KMNN-NGN	42,300	324	131	347 VAC	5000K (cool white)	Acrylic	Medium	Occupancy Sensor
H6U-2NCB-KMNN-NGN	42,300	324	131	347 VAC	5000K (cool white)	Acrylic	Narrow	Occupancy Sensor
H6U-7MCD-KMNN-NGN	45,000	324	139	480 VAC	5000K (cool white)	Glass	Medium	Occupancy Sensor
H6U-7NCD-KMNN-NGN	45,000	324	139	480 VAC	5000K (cool white)	Glass	Narrow	Occupancy Sensor
H6U-4MCD-KMNN-NGN	43,200	324	133	480 VAC	5000K (cool white)	Polycarbonate	Medium	Occupancy Sensor
H6U-4NCD-KMNN-NGN	43,200	324	133	480 VAC	5000K (cool white)	Polycarbonate	Narrow	Occupancy Sensor
H6U-2MCD-KMNN-NGN	42,300	324	131	480 VAC	5000K (cool white)	Acrylic	Medium	Occupancy Sensor
H6U-2NCD-KMNN-NGN	42,300	324	131	480 VAC	5000K (cool white)	Acrylic	Narrow	Occupancy Sensor

All values typical unless otherwise stated (tolerance +/- 10%).
Occupancy sensor available for 45,000 lumen output with a suggested maximum mounting height of 40'. For additional options, please consult factory.
Neutral white color temperature is available for products in the above table. Replace the sixth character C with N. Ex: H6U-7MC2-KMNN-NGN becomes H6U-7MN2-KMNN-NGN.

Occupancy Sensor Coverage

Coverage Top View @ 40ft

Coverage Side View

Dimensions in inches [mm]

Vigilant® LED High Bay - High Output

Remote Power Supply Models

Certifications & Ratings

- 10 year warranty
- UL 1598/A (wet locations)
- CSA C22.2 No. 250 (wet location)
- IP66/67
- NEMA 4X

Dimensions in inches [mm]

Mechanical Information:

Weight:	
Wire box top hat:	52 lbs (23.6 kg)
Light fixture:	7 lbs (3.2 kg)
Power supply:	45 lbs (20.4 kg)
	40 lbs (18.4 kg) - 120-277 VAC
	56 lbs (25.4 kg) - 437/480 VAC
Shipping weight:	
Light fixture:	65.3 lbs (29.6 kg)
Power supply:	47.2 lbs (21.4 kg) - 120-277 VAC
	63.2 lbs (28.7 kg) - 437/480 VAC

Note that the wire box is installed separately from the housing. This allows single installer for fixtures.

Wire box:	7 lbs (3.2 kg) [mount first]
Light fixture (base):	45 lbs (20.4 kg) [mount last]
Mounting Entries:	
Light engine:	(1) 3/4" NPT - top (4) 3/4" NPT - sides
Power supply:	Remote power supply mounting bolt locations are shown on the dimensional view on the bottom left side of this page

Variable Dimming:

Variable dimming cable:	Two conductor cable connected in the power supply
Power supply:	
Power cable:	Three conductor cable
Light engine:	Supplied via 3 conductor DC cable with a maximum length of 200' provided by others. Suggested wire gauge for various distances can be found on page 10
Variable dimming control:	0-10 VDC
Dimming range:	10 VDC = 100% light output 0 VDC = 5% light output

Electrical Specifications:

Operating Voltage:	120-277 VAC, 50/60Hz 347/480 VAC, 50/60Hz
Total system power consumption:	See table
Operating Temp:	-40°F to +149°F (-40°C to +65°C)
Harmonics:	IEC 61000-3-2
Noise requirement /EMC:	FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz
Transient protection:	6kV/3kA combination wave, as per IEEE C62.41, line-line and line-ground
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, Acrylic, Polycarbonate

Photometric Information:

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

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

Ordering Information

Vigilant® LED High Bay - High Output - Remote Power Supply Models

Part Number	Fixture Lumen	Watt	lm/W	Voltage	CCT	CRI	Lens	Beam Distribution	Controls
Remote Power Supply Models - 120-277 VAC Models									
H6U-7MCR-RDNN-NGN	72,000	484	149	120-277 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H6U-7NCR-RDNN-NGN	72,000	484	149	120-277 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H6U-4MCR-RDNN-NGN	69,100	484	143	120-277 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H6U-4NCR-RDNN-NGN	69,100	484	143	120-277 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H6U-2MCR-RDNN-NGN	67,700	484	140	120-277 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H6U-2NCR-RDNN-NGN	67,700	484	140	120-277 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H6U-7MCR-NDNN-NGN	60,000	414	145	120-277 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H6U-7NCR-NDNN-NGN	60,000	414	145	120-277 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H6U-4MCR-NDNN-NGN	57,600	414	139	120-277 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H6U-4NCR-NDNN-NGN	57,600	414	139	120-277 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H6U-2MCR-NDNN-NGN	56,400	414	136	120-277 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H6U-2NCR-NDNN-NGN	56,400	414	136	120-277 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H6U-7MCR-KDNN-NGN	45,000	309	146	120-277 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H6U-7NCR-KDNN-NGN	45,000	309	146	120-277 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H6U-4MCR-KDNN-NGN	43,200	309	140	120-277 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H6U-4NCR-KDNN-NGN	43,200	309	140	120-277 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H6U-2MCR-KDNN-NGN	42,300	309	137	120-277 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H6U-2NCR-KDNN-NGN	42,300	309	137	120-277 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
Remote Power Supply Models - 347 VAC Models									
H6U-7MCS-RDNN-NGN	72,000	506	142	347 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H6U-7NCS-RDNN-NGN	72,000	506	142	347 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H6U-4MCS-RDNN-NGN	69,100	506	137	347 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H6U-4NCS-RDNN-NGN	69,100	506	137	347 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H6U-2MCS-RDNN-NGN	67,700	506	134	347 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H6U-2NCS-RDNN-NGN	67,700	506	134	347 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H6U-7MCS-NDNN-NGN	60,000	431	139	347 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H6U-7NCS-NDNN-NGN	60,000	431	139	347 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H6U-4MCS-NDNN-NGN	57,600	431	134	347 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H6U-4NCS-NDNN-NGN	57,600	431	134	347 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H6U-2MCS-NDNN-NGN	56,400	431	131	347 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H6U-2NCS-NDNN-NGN	56,400	431	131	347 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H6U-7MCS-KDNN-NGN	45,000	324	139	347 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H6U-7NCS-KDNN-NGN	45,000	324	139	347 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H6U-4MCS-KDNN-NGN	43,200	324	133	347 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H6U-4NCS-KDNN-NGN	43,200	324	133	347 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H6U-2MCS-KDNN-NGN	42,300	324	131	347 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H6U-2NCS-KDNN-NGN	42,300	324	131	347 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming

All values typical unless otherwise stated (tolerance +/- 10%).
For remote power installations wattage will vary based on the length and size of cable used to run DC power between the luminaire and power supply. Consult factory for more details.
Neutral white color temperature is available for products in the above table. Replace the sixth character C with N. Ex: H6U-7MCR-RDNN-NGN becomes H6U-7MNR-RDNN-NGN.

Ordering Information

Vigilant® LED High Bay - High Output - Remote Power Supply Models

Part Number	Fixture Lumen	Watt	lm/W	Voltage	CCT	CRI	Lens	Beam Distribution	Controls
Remote Power Supply Models - 480 VAC Models									
H6U-7MCU-RDNN-NGN	72,000	506	142	480 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H6U-7NCU-RDNN-NGN	72,000	506	142	480 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H6U-4MCU-RDNN-NGN	69,100	506	137	480 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H6U-4NCU-RDNN-NGN	69,100	506	137	480 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H6U-2MCU-RDNN-NGN	67,700	506	134	480 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H6U-2NCU-RDNN-NGN	67,700	506	134	480 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H6U-7MCU-NDNN-NGN	60,000	431	139	480 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H6U-7NCU-NDNN-NGN	60,000	431	139	480 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H6U-4MCU-NDNN-NGN	57,600	431	134	480 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H6U-4NCU-NDNN-NGN	57,600	431	134	480 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H6U-2MCU-NDNN-NGN	56,400	431	131	480 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H6U-2NCU-NDNN-NGN	56,400	431	131	480 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming
H6U-7MCU-KDNN-NGN	45,000	324	139	480 VAC	5000K (cool white)	80	Glass	Medium	Dimming
H6U-7NCU-KDNN-NGN	45,000	324	139	480 VAC	5000K (cool white)	80	Glass	Narrow	Dimming
H6U-4MCU-KDNN-NGN	43,200	324	133	480 VAC	5000K (cool white)	80	Polycarbonate	Medium	Dimming
H6U-4NCU-KDNN-NGN	43,200	324	133	480 VAC	5000K (cool white)	80	Polycarbonate	Narrow	Dimming
H6U-2MCU-KDNN-NGN	42,300	324	131	480 VAC	5000K (cool white)	80	Acrylic	Medium	Dimming
H6U-2NCU-KDNN-NGN	42,300	324	131	480 VAC	5000K (cool white)	80	Acrylic	Narrow	Dimming

All values typical unless otherwise stated (tolerance +/- 10%).
For remote power installations wattage will vary based on the length and size of cable used to run DC power between the luminaire and power supply. Consult factory for more details.
Neutral white color temperature is available for products in the above table. Replace the sixth character C with N. Ex: H6U-7MCR-RDNN-NGN becomes H6U-7MNR-RDNN-NGN.

Beam Distribution

Narrow

Medium

Remote Wiring

Light engine supplied via 3 conductor DC cable with a maximum length of 200' provided by others.
Suggested wire gauge for various distances can be found below:

Distance	Minimum Wire Size
200 ft	10 AWG/5.26mm^2
150 ft	12 AWG/3.31mm^2
100 ft	14 AWG/2.08mm^2
50 ft	16 AWG/1.31mm^2

In Rush Current / Circuit Breakers

Model	Wattage	In rush current @ input voltage				Time duration of in rush current @ input voltage			
		100 VAC	277 VAC	347 VAC	480 VAC	100 VAC	277 VAC	347 VAC	480 VAC
72,000	484	7.7A	17.8A	28.8A	28.8A	1ms	1ms	4.6ms	4.6ms
60,000	414	7.7A	17.8A	28.8A	28.8A	1ms	1ms	4.6ms	4.6ms
42,000	309	7.7A	17.8A	28.8A	28.8A	1ms	1ms	4.6ms	4.6ms

Lumen Maintenance Factor

High Bay High Output (Hours)									
Ambient (°C)	0	15,000	30,000	45,000	60,000	75,000	90,000	100,000	150,000
25°	100%	98%	96%	95%	94%	92%	91%	90%	86%
30°	100%	97%	96%	95%	93%	92%	91%	90%	88%
35°	100%	97%	96%	95%	93%	92%	91%	90%	86%
40°	99%	97%	95%	94%	93%	91%	90%	89%	85%
45°	98%	96%	95%	93%	92%	91%	90%	89%	82%
50°	98%	96%	95%	93%	92%	91%	89%	89%	81%
55°	98%	95%	94%	93%	91%	90%	89%	88%	78%
60°	97%	95%	94%	92%	91%	90%	89%	88%	76%
65°	97%	95%	93%	92%	91%	89%	88%	87%	73%

Measured LED temperature for an ambient temperature range of 25°C to 65°C and calculated lumen maintenance using TM-21 calculator and LED LM80 data.

Thermal Roll-Off

Remote Power Supply Versions: Thermal roll-off is based on ambient temperature present at power supply mounting location. The fixtures ambient temperature ratings still apply to both power supply enclosure and remotely mounted light engine.

Dimming Characterization 0-10V

Input Power VS Dimming Voltage

Light Output VS Dimming Voltage

Vigilant® LED High Bay - High Output

Mounting Accessories

H6XCAB72
- 72" stainless steel safety rope

H6XCAB60
- 60" stainless steel safety rope

H6X-H
- Hook

HBXFSIRREMOTE
- Remote for occupancy sensor

H6XDIFFUSER
- Diffuser
- Patent pending

Top Hat Hinge

North American HQ
1501 Route 34 South
Farmingdale, NJ 07727
Tel: 732-919-3119
Fax: 732-751-5778
info@dialight.com

EMEA Technical Centre
Ejby Industrivej 91 B
2600 Glostrup
Tel: +45 8877 4545 (Denmark)
Tel: +44 1638 666541 (UK)
Tel: +49 89 12089 5713 (Germany)
Tel: +33 3 23 22 62 58 (France)
sales-europe@dialight.com

Houston
16830 Barker Springs Rd
Ste 407
Houston, TX 77084
Tel: 732-919-3119
Faz: 281-492-1531
info@dialight.com

Middle East
Level 42
Emirates Towers (Office Tower)
Sheikh Zayed Road
Dubai, United Arab Emirates
Fax: +971 (0) 4319 7686
Tel: +971 (0) 4319 7686

Australia
108 Howe Street
Osborne Park, WA 6017
Tel: +61 (0) 8 9244 7600
Fax: +61 (0) 8 9244 7601
info@dialight.com.au

Southeast Asia
33 Ubi Avenue 3
#07-72 Vertex (Tower A)
Singapore 408868
Tel: +65 6578 7157
Fax: +65 6578 7150
enquiry@dialight.com.sg

Brazil
Alameda Mercurio,
225 – American Park Empresarial NR
Indaiatuba – SP – 13347– 662
Tel: +55 (19) 3113-4300
Fax: +55 (19) 3113-4300
brasil@dialight.com

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