Dialight





Vigilant® LED High Bay & Low Bay

Technical Specification Sheet - CE

CE

JULY 2025

Vigilant® LED High Bay - CE

Corded Model & Integrated Wiring Box Model

Corded Model



Mechanical Information:

Fixture weight:
8.2 kg (18 lbs)

Shipping weight:
10.9 kg (24 lbs)

Mounting:
Stainless Steel Hook

Power Cord:
3 meters, H07RN-F or H07BN4-F Heavy Duty

Prefix: HEE

Integrated Wiring Box



Mechanical Information:

Fixture weight:
9.1 kg (20 lbs)

Shipping weight:
11.8 kg (26 lbs)

Mounting:
Various Kits (see page 15)

Wiring Box Cable Entries:
M25 x 3

Terminals:
0.5-4mm^2 x 5

Prefix: HWE

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

Certifications & Ratings:

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

ENEC

L70 >150,000 hours @ 25°C ambient

Variable Dimming as Standard:

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

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: 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

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 aluminium

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

Lens: See table

Screws: Stainless steel 316

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%)

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

Vigilant® LED High Bay - CE

Battery Backup Model



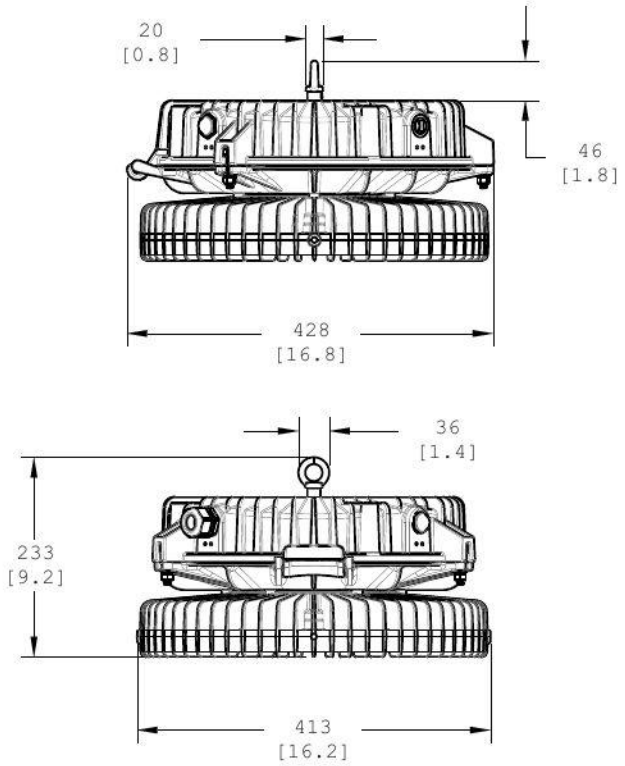
Mechanical Information:

Fixture weight:
17.7 kg (39 lbs)

Shipping weight:
20.9 kg (46 lbs)

Mounting:
Stainless Steel Hook

Prefix: HEE



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

Variable Dimming as Standard:

Variable Dimming Control: 0-10 VDC

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

Electrical Specifications:

Operating Voltage:	230/240 VAC
Total system power consumption:	See table
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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Ordering Information

Vigilant® LED High Bay - Corded Model



Standard Model with 3 Meter Cable & Hook Mount									
Part Number	Legacy Part Number	Lumens	Watts	lm/W	Voltage	CCT	CRI	Lens	Beam Distribution
HEE-7MC2-EDHW-NGN	HEEGMC4PNHNG	27,500	185	149	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HEE-4MC2-EDHW-NGN	HEE2MC4PNHNG	27,200	185	147	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HEE-LMC2-EDHW-NGN	HEELMC4PNHNG	27,000	185	146	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HEE-7EC2-EDHW-NGN	HEEGEC4PNHNG	25,900	185	140	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HEE-4EC2-EDHW-NGN	HEE2EC4PNHNG	25,600	185	138	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HEE-LEC2-EDHW-NGN	HEELEC4PNHNG	25,300	185	137	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval
HEE-7MC2-CDHW-NGN	HEEGMC4KNHNG	19,800	130	152	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HEE-4MC2-CDHW-NGN	HEE2MC4KNHNG	19,600	130	151	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HEE-LMC2-CDHW-NGN	HEELMC4KNHNG	19,400	130	149	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HEE-7EC2-CDHW-NGN	HEEGEC4KNHNG	18,600	130	143	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HEE-4EC2-CDHW-NGN	HEE2EC4KNHNG	18,400	130	142	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HEE-LEC2-CDHW-NGN	HEELEC4KNHNG	18,200	130	140	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval
HEE-7MC2-BDHW-NGN	HEEGMC4GNHNG	14,900	100	149	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HEE-4MC2-BDHW-NGN	HEE2MC4GNHNG	14,800	100	148	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HEE-LMC2-BDHW-NGN	HEELMC4GNHNG	14,600	100	146	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HEE-7EC2-BDHW-NGN	HEEGEC4GNHNG	14,000	100	140	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HEE-4EC2-BDHW-NGN	HEE2EC4GNHNG	13,900	100	139	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HEE-LEC2-BDHW-NGN	HEELEC4GNHNG	13,700	100	137	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval
HEE-7MC2-ADHW-NGN	HEEGMC4DNHNG	11,600	80	145	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HEE-4MC2-ADHW-NGN	HEE2MC4DNHNG	11,500	80	144	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HEE-LMC2-ADHW-NGN	HEELMC4DNHNG	11,400	80	143	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HEE-7EC2-ADHW-NGN	HEEGEC4DNHNG	10,900	80	136	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HEE-4EC2-ADHW-NGN	HEE2EC4DNHNG	10,800	80	135	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HEE-LEC2-ADHW-NGN	HEELEC4DNHNG	10,700	80	134	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval

Notes
Note 1: Models in chart above are 5000K CCT. For 4000K CCT change the 6th character from C to N & deduct 3% from the lumen table.
Note 2: Flat clear acrylic lens available, consult local Dialight sales office for availability.

DISCLAIMER: All information provided is, to the best of Dialight's knowledge, accurate as of the date of publication, but is subject to change without notice and does not form part of any contract with Dialight. When ordering please refer to www.dialight.com for current versions of: (a) relevant product documentation (including the most up to date product data sheets); (b) Dialight terms and conditions of sale; and, (c) the relevant product warranty. All information provided is, to Dialight's knowledge, accurate at the date of publication, but is subject to change without notice and does not form part of any contract with Dialight. In the event of any discrepancy between this document and information provided on our website, the latter shall prevail.

Ordering Information

Vigilant® LED High Bay - Integrated Wiring Box Model



Integrated Wiring Box - Standard with HBXW3 Bracket									
Part Number	Legacy Part Number	Lumens	Watts	lm/W	Voltage	CCT	CRI	Lens	Beam Distribution
HWE-7MC2-EDAN-NGN	HEEGMC4PNJNG	27,500	185	149	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HWE-4MC2-EDAN-NGN	HEE2MC4PNJNG	27,200	185	147	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HWE-LMC2-EDAN-NGN	HEELMC4PNJNG	27,000	185	146	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HWE-7EC2-EDAN-NGN	HEEGEC4PNJNG	25,900	185	140	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HWE-4EC2-EDAN-NGN	HEE2EC4PNJNG	25,600	185	138	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HWE-LEC2-EDAN-NGN	HEELEC4PNJNG	25,300	185	137	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval
HWE-7MC2-CDAN-NGN	HEEGMC4KNJNG	19,800	130	152	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HWE-4MC2-CDAN-NGN	HEE2MC4KNJNG	19,600	130	151	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HWE-LMC2-CDAN-NGN	HEELMC4KNJNG	19,400	130	149	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HWE-7EC2-CDAN-NGN	HEEGEC4KNJNG	18,600	130	143	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HWE-4EC2-CDAN-NGN	HEE2EC4KNJNG	18,400	130	142	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HWE-LEC2-CDAN-NGN	HEELEC4KNJNG	18,200	130	140	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval
HWE-7MC2-BDAN-NGN	HEEGMC4GNJNG	14,900	100	149	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HWE-4MC2-BDAN-NGN	HEE2MC4GNJNG	14,800	100	148	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HWE-LMC2-BDAN-NGN	HEELMC4GNJNG	14,600	100	146	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HWE-7EC2-BDAN-NGN	HEEGEC4GNJNG	14,000	100	140	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HWE-4EC2-BDAN-NGN	HEE2EC4GNJNG	13,900	100	139	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HWE-LEC2-BDAN-NGN	HEELEC4GNJNG	13,700	100	137	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval
HWE-7MC2-ADAN-NGN	HEEGMC4DNJNG	11,600	80	145	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HWE-4MC2-ADAN-NGN	HEE2MC4DNJNG	11,500	80	144	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HWE-LMC2-ADAN-NGN	HEELMC4DNJNG	11,400	80	143	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HWE-7EC2-ADAN-NGN	HEEGEC4DNJNG	10,900	80	136	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HWE-4EC2-ADAN-NGN	HEE2EC4DNJNG	10,800	80	135	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HWE-LEC2-ADAN-NGN	HEELEC4DNJNG	10,700	80	134	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval

Notes
Note 1: Models in chart above are 5000K CCT. For 4000K CCT change the 6th character from C to N & deduct 3% from the lumen table.
Note 2: Flat clear acrylic lens available. Consult local Dialight sales office for availability.
Note 3: Occupancy sensor options available. Consult local Dialight sales office for availability.

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Ordering Information

Vigilant® LED High Bay - Battery Backup Model



Battery Backup Model - 20W								
Part Number	Lumens	Watts	lm/W	Voltage	CCT	CRI	Lens	Beam Distribution
HEE-7MCG-EDHN-NGH	27,500	191	144	230/240 VAC	5000K	80	Glass - Clear	Medium
HEE-4MCG-EDHN-NGH	27,200	191	142	230/240 VAC	5000K	80	Clear Polycarbonate	Medium
HEE-7MCG-CDHN-NGH	19,800	136	146	230/240 VAC	5000K	80	Glass - Clear	Medium
HEE-4MCG-CDHN-NGH	19,600	136	144	230/240 VAC	5000K	80	Clear Polycarbonate	Medium
HEE-7MCG-BDHN-NGH	14,900	106	141	230/240 VAC	5000K	80	Glass - Clear	Medium
HEE-4MCG-BDHN-NGH	14,800	106	140	230/240 VAC	5000K	80	Clear Polycarbonate	Medium
HEE-7MCG-ADHN-NGH	11,600	86	135	230/240 VAC	5000K	80	Glass - Clear	Medium
HEE-4MCG-ADHN-NGH	11,500	86	134	230/240 VAC	5000K	80	Clear Polycarbonate	Medium

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

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Vigilant® LED Low Bay - CE

Corded Model & Integrated Wiring Box Model

Corded Model



Mechanical Information:

Fixture weight:
8.2 kg (18 lbs)

Shipping weight:
10.9 kg (24 lbs)

Mounting:
Stainless Steel Hook

Power Cord:
3 meters, H07RN-F Heavy Duty

Prefix: LEE

Integrated Wiring Box



Mechanical Information:

Fixture weight:
9.1 kg (20 lbs)

Shipping weight:
11.8 kg (26 lbs)

Mounting:
Various Kits (see page 15)

Wiring Box Cable Entries:
M25 x 3

Terminals:
4mm² x 5

Prefix: LWE

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

Certifications & Ratings:

EN 60598:2015
EN 60598-2-1 (ed.1), IEC 60598-2-1 (ed.8)
EN 60598-2-24:2013
EN 62471:2008, EN 62778:2014
EN 62493:2010
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 2-2
ENEC
L70 >150,00 hours @ 25°C ambient

Variable Dimming as Standard:

Variable Dimming Control: 0-10 VDC

Dimming Range: 10 VDC = 100% light output
0 VDC = <5% light output

Electrical Specifications:

Operating Voltage: 100-277 VAC, 50/60 Hz
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: 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

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:
protection Fully potted and sealed for superior

Construction:

Housing: Copper-free aluminium

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

Lens: See table

Gaskets: Silicone free

Screws: Stainless steel 316

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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Vigilant® LED Low Bay - CE
Battery Backup Model



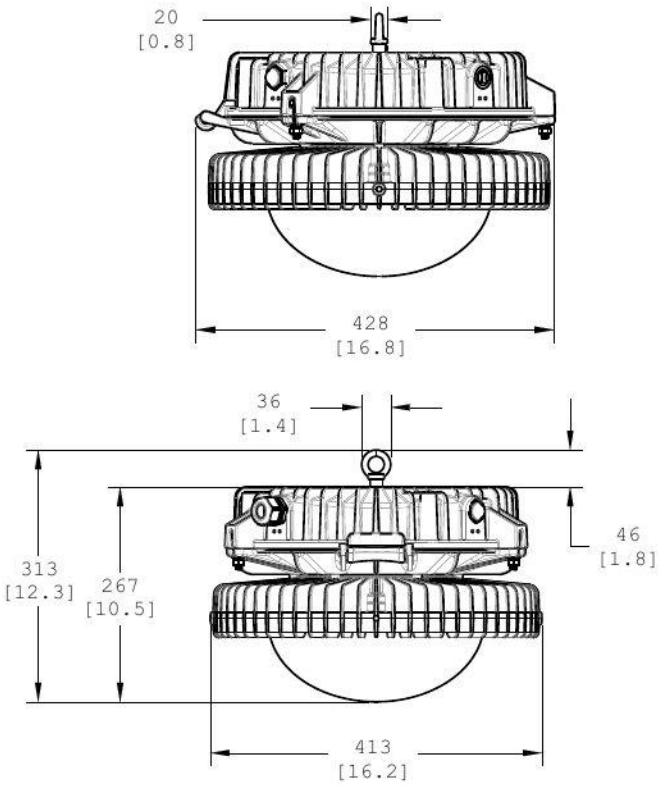
Mechanical Information:

Fixture weight:
39 lbs (17.7 kg) max

Shipping weight:
46 lbs (20.9 kg) max

Mounting:
Stainless Steel Hook

Prefix: LEE



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

Variable Dimming as Standard:

Variable Dimming Control: 0-10 VDC

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

Electrical Specifications:

Operating Voltage:	230/240 VAC
Total system power consumption:	See table
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%)

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

Ordering Information

Vigilant® LED Low Bay - All Models



Part Number	Legacy Part Number	Lumens	Watts	lm/W	Voltage	CCT	CRI	Lens	Beam Distribution
Standard Models with 3m Cable & Hook Mount									
LEELUC2CDHWNGN		17,200	150	115	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
LEELUC2BDHWNGN		13,100	112	117	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
LEELUC29DHWNGN		9,200	78	118	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
LEELUC26DHWNGN	LBW1C1DEUH	6,400	50	128	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
LEELUC24DHWNGN	LBW1C5AEUH	3,900	38	103	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
Integrated Wiring Box - comes standard with bracket HBXW3									
LWELUC2CDANNGN		17,200	150	115	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
LWELUC2BDANNGN		13,100	112	117	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
LWELUC29DANNGN		9,200	78	118	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
LWELUC26DANNGN		6,400	50	128	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
LWELUC24DANNGN		3,900	38	103	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
Battery Backup - 10W									
LEE-LUCG-9DHN-NGG		9,200	84	110	230/240 VAC	5000K	80	Polycarbonate Dome - Diffused	Ultra Wide
LEE-LUCG-6DHN-NGG		6,400	56	114	230/240 VAC	5000K	80	Polycarbonate Dome - Diffused	Ultra Wide

Notes

Note 1: Models in chart above are 5000K CCT. For 4000K CCT change the 6th character from C to N & deduct 3% from the lumen table.

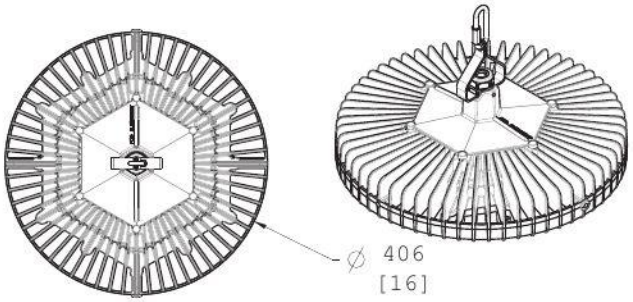
Note 2: Models with integrated wiring box are upgradeable to DALI compatible & Wireless controls. Consult local Dialight sales office for availability.

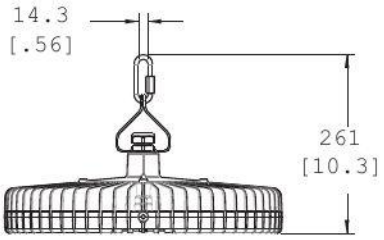
WARNING: INSTALLATION & SECONDARY RETENTION: The use of this product without proper installation and inspections, including secondary safety retention/securing, could cause severe injury or death. Dialight recommends that all installations should use secondary retention (appropriate to the installation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

Dimensional Drawings - High Bay

Corded Model with Hook Mount

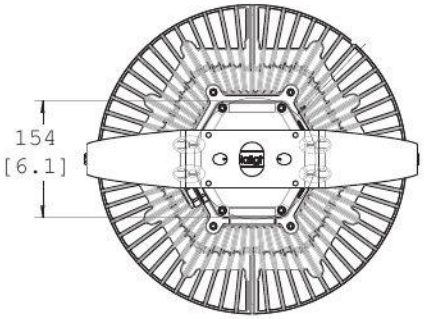


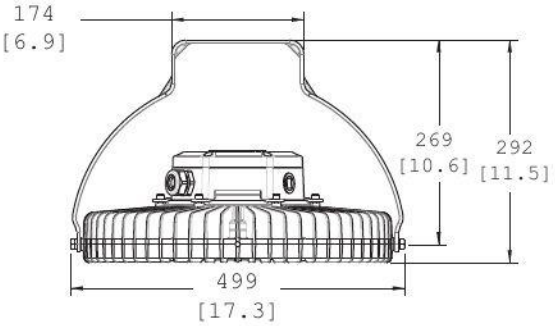




Integrated Wiring Box

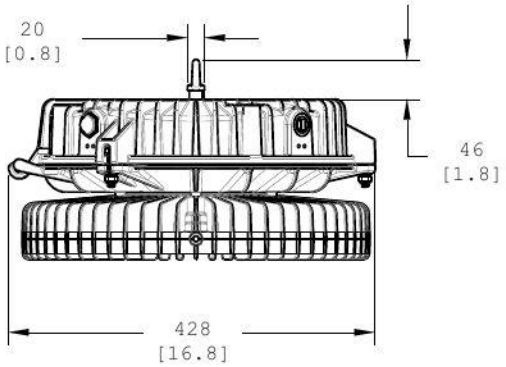


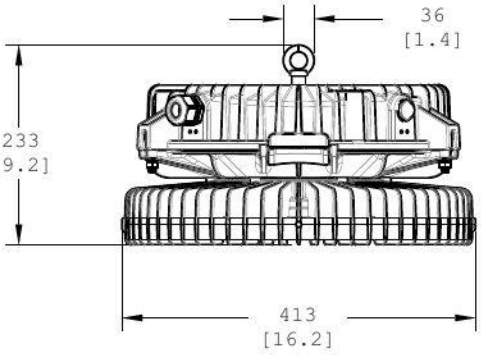




Battery Backup





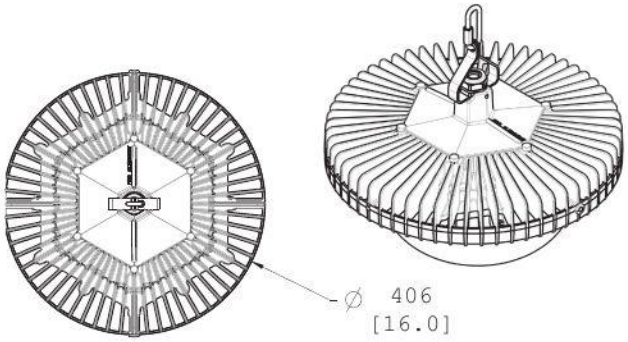


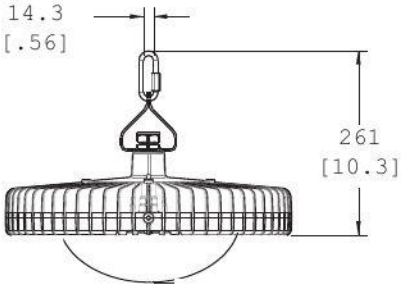
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Dimensional Drawings - Low Bay

Corded Model with Hook Mount

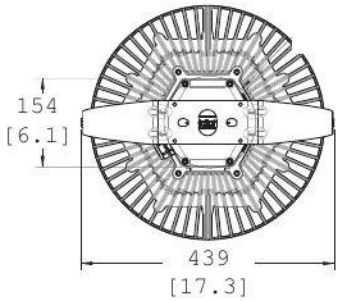


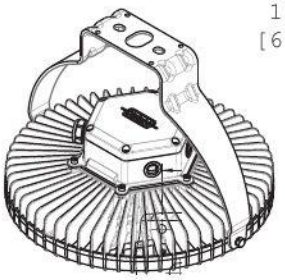


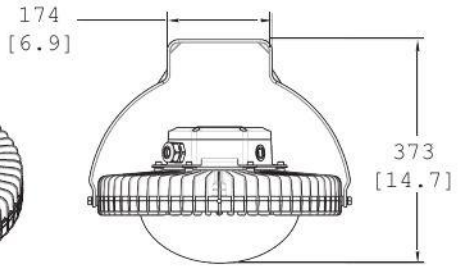


Integrated Wiring Box



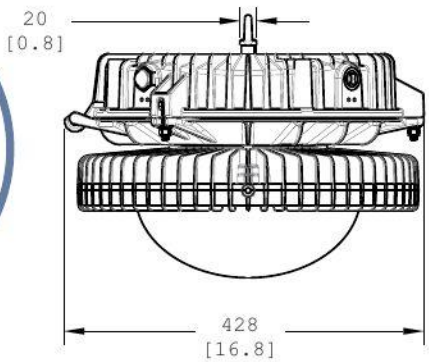


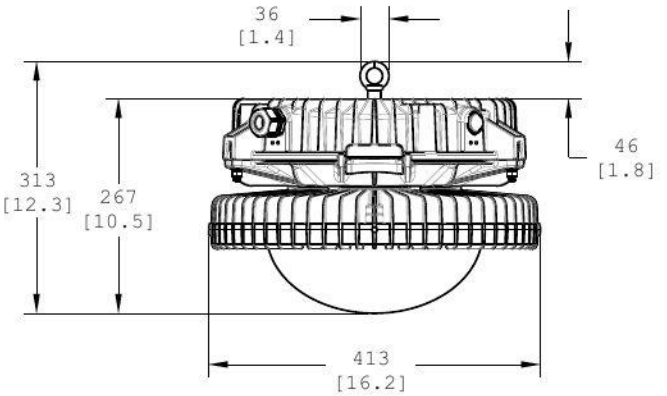




Battery Backup



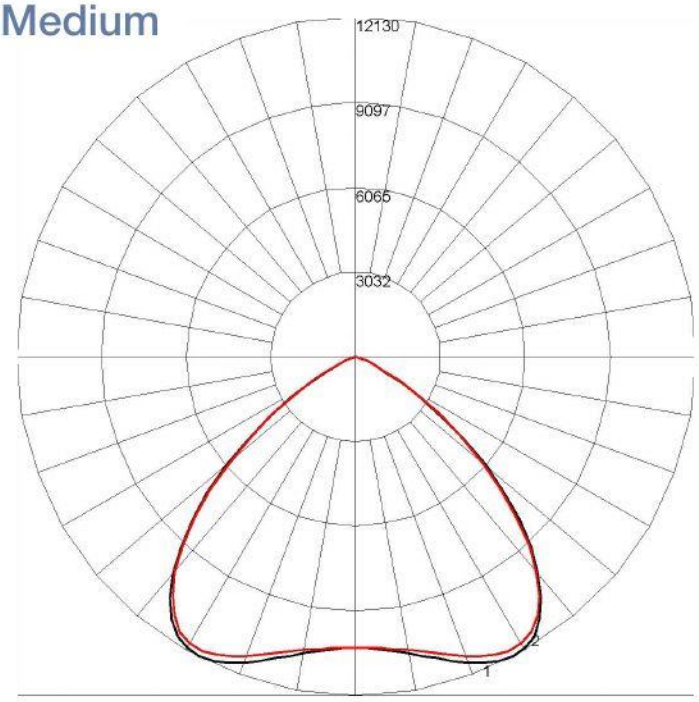




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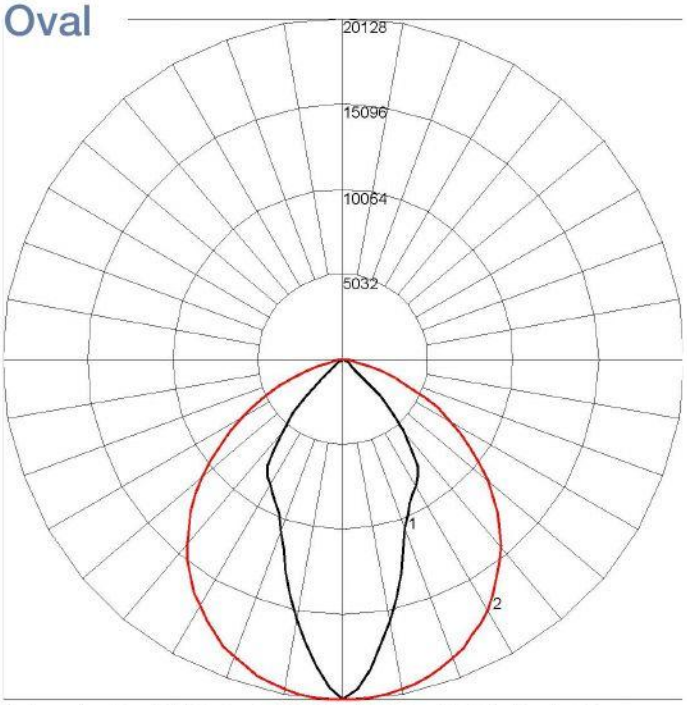
Beam Distributions

Medium



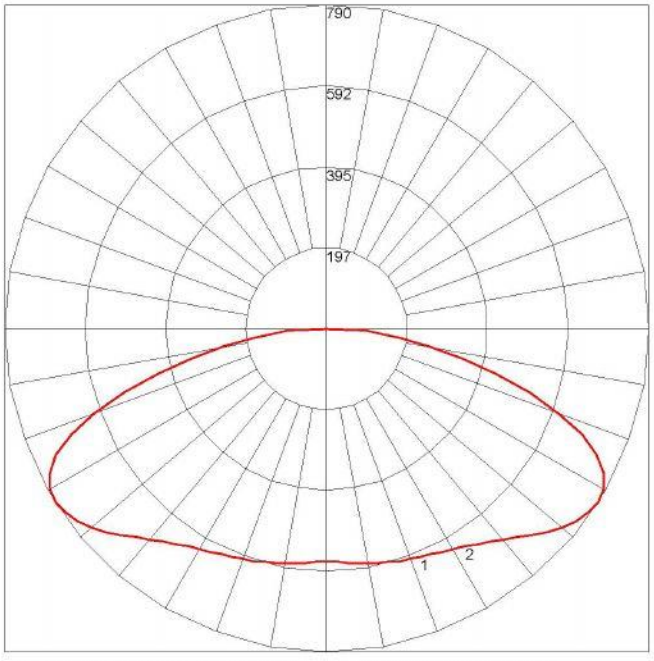
Maximum Candela = 12129.5 Located At Horizontal Angle = 0, Vertical Angle = 27.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)

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)

Ultra Wide

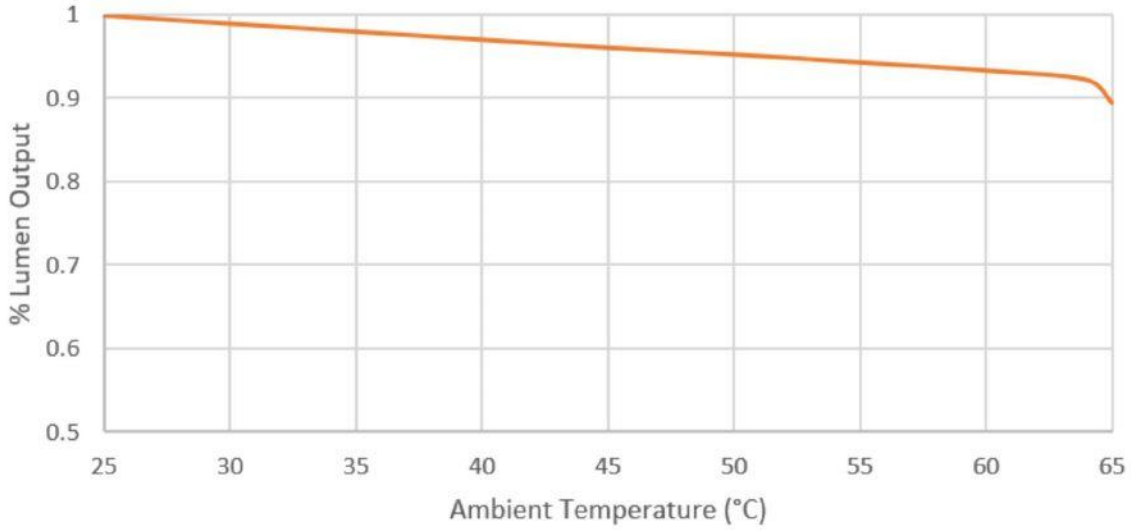


Maximum Candela = 789.7 Located At Horizontal Angle = 0, Vertical Angle = 57.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)



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Thermal Roll-Off



Inrush Currents

High Bay Models

HE Models	Watt	In rush current @ input voltage			Time duration of in rush current @ input voltage		
		120 VAC	230 VAC	277 VAC	120 VAC	230 VAC	277 VAC
26K	186	7.7A	14.8A	17.8A	2ms	2ms	2ms
19K	129	7.7A	14.8A	17.8A	2ms	2ms	2ms
14K	102	7.7A	14.8A	17.8A	2ms	2ms	2ms
11K	81	7.7A	14.8A	17.8A	2ms	2ms	2ms

Low Bay Models

LE Models	Watt	In rush current @ input voltage			Time duration of in rush current @ input voltage		
		120 VAC	230 VAC	277 VAC	120 VAC	230 VAC	277 VAC
18K	154W	7.7A	14.8A	17.8A	2ms	2ms	2ms
14K	114W	7.7A	14.8A	17.8A	2ms	2ms	2ms
9K	80W	7.7A	14.8A	17.8A	2ms	2ms	2ms
6K	56W	7.7A	14.8A	17.8A	2ms	2ms	2ms
4K	42W	7.7A	14.8A	17.8A	2ms	2ms	2ms

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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

Lumen Maintenance Factor

% Lumen Output (120V)									
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%

Battery Backup (BB) Lumen Output:

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

High Bay Example: HEE-7MCG-EDHN-NGH
BB Lumens = 20W × (27,500 / 191)
BB Lumens = 2,880 lumens

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Accessories



HBXW3-SSL-316M
- 316 stainless steel bracket

HBXW3-SSL-304M
- 304 stainless steel bracket



HBXCAB48
- 48" long stainless steel safety rope (for use with safety bracket)
- Includes 2 cables



HBXSBDK
- Sand blast kit (dome lens)

HBXSBDL
- Sacrificial dome lens



HBXW3-SSL-304FTM
- 304 stainless steel forward throw bracket

HBXW3-SSL-316FTM
- 316 stainless steel forward throw bracket



HBXSB Safety Tabs
- 316 stainless steel
- Includes 4 tabs



HBXSBK
- Sand blast kit (flat lens)

HBXSBL
- Sacrificial flat lens



HBXW3
- Powder-coated aluminium swivel bracket



HBBATTKIT20
- 20W replacement battery

HBBATTKIT10
- 10W replacement battery



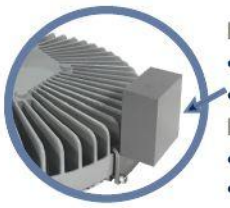
HBXFSIRREMOTE
- Remote for occupancy sensor



HBXW3EUHOOK
- Swivel bracket with hanging hook



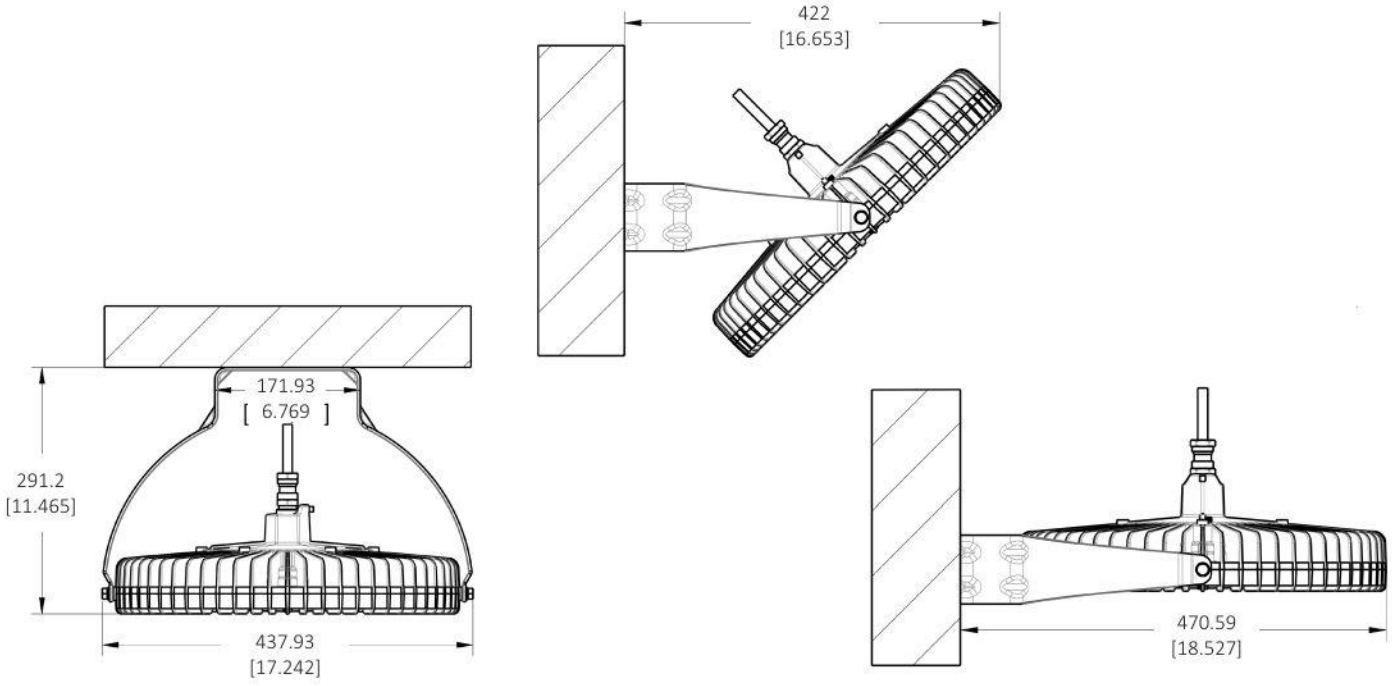
HBXOCC100277E
- Field installable occupancy sensor for models prefixed with HWE or HCE



HBXCBOCCFSPG
- Sensor counterbalance
- Powder coated steel

HBXCBOCCFSPK
- Sensor counterbalance
- 316 stainless steel

HBXW3 - Swivel Bracket



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