Dialight

Dialight® LED High Bay

Technical Specification Sheet - CE, ENEC

December 2018

Vigilant® LED High Bay
Technical Specifications

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: HEE

Wiring Box with Occupancy Sensor

Mechanical Information:

Fixture weight:
9.9 kg (22 lbs)

Shipping weight:
12.3 kg (27 lbs)

Mounting:
Various Kits (see page 17)

Wiring Box Cable Entries:
M25 x 2

Terminals:
4mm² x 5

Prefix: HWE

Integrated Wiring Box

Mechanical Information:

Fixture weight:
9.1 kg (20 lbs)

Shipping weight:
11.8 kg (26 lbs)

Mounting:
Various Kits (see page 17)

Wiring Box Cable Entries:
M25 x 3

Terminals:
4mm² 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	IP66 to EN 60529
EN 60598-2-1 (ed.1), IEC 60598-2-1 (ed.8)	IK10 to EN 50102 (Polycarbonate lens)
EN 60598-2-24:2013	IK06 to EN 50102 (Acrylic lens)
EN 62471:2008, EN 62778:2014	IK05 to EN 50102 (Glass lens)
EN 62493:2015	D-Marking to EN 60598 2-24
IEC60068	ENEC
Salt spray testing - severity 1	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 = <5% light output

Occupancy Sensor:

Mounting Height: Up to 12M
Ingress Protection: IP66

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: Protection devices capable of handling up to 10kV. Tested for 10kV/2 ohm combination wave, as per IEEE C62.41, line-line and line ground

THD: < 20%

Power Factor: > 0.9

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

Photometric Information:

CRI: 80

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

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

Dialight

Vigilant® LED High Bay

Ordering Information

Integrated Wiring Box - comes standard with bracket HBXW3									
Part Number	**Legacy Part Number**	**Lumens**	**Watts**	**lm/W**	**Voltage**	**CCT**	**CRI**	**Lens**	**Beam Distribution**
HWE7MC2EDANNGN	HEEGMC4PNJNG	26,250	186	141	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HWE4MC2EDANNGN	HEE2MC4PNJNG	25,250	186	136	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HWELMC2EDANNGN	HEELMC4PNJNG	24,500	186	132	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HWE7EC2EDANNGN	HEEGEC4PNJNG	26,250	186	141	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HWE4EC2EDANNGN	HEE2EC4PNJNG	25,250	186	136	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HWELEC2EDANNGN	HEELEC4PNJNG	24,500	186	132	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval
HWE7MC2CDANNGN	HEEGMC4KNJNG	19,500	129	151	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HWE4MC2CDANNGN	HEE2MC4KNJNG	18,750	129	145	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HWELMC2CDANNGN	HEELMC4KNJNG	18,000	129	140	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HWE7EC2CDANNGN	HEEGEC4KNJNG	19,500	129	151	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HWE4EC2CDANNGN	HEE2EC4KNJNG	18,750	129	145	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HWELEC2CDANNGN	HEELEC4KNJNG	18,000	129	140	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval
HWE7MC2BDANNGN	HEEGMC4GNJNG	14,250	102	140	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HWE4MC2BDANNGN	HEE2MC4GNJNG	13,750	102	135	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HWELMC2BDANNGN	HEELMC4GNJNG	13,250	102	130	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HWE7EC2BDANNGN	HEEGEC4GNJNG	14,250	102	140	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HWE4EC2BDANNGN	HEE2EC4GNJNG	13,750	102	135	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HWELEC2BDANNGN	HEELEC4GNJNG	13,250	102	130	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval
HWE7MC2ADANNGN	HEEGMC4DNJNG	11,250	80	141	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HWE4MC2ADANNGN	HEE2MC4DNJNG	10,750	80	134	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HWELMC2ADANNGN	HEELMC4DNJNG	10,250	80	128	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HWE7EC2ADANNGN	HEEGEC4DNJNG	11,250	80	141	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HWE4EC2ADANNGN	HEE2EC4DNJNG	10,750	80	134	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HWELEC2ADANNGN	HEELEC4DNJNG	10,250	80	128	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: Models with integrated wiring box are upgradeable to DALI & Wireless controls. Consult local Dialight sales office for availability.

Note 3: Flat clear acrylic lens available, consult local Dialight sales office for availability.

Dialight

Vigilant® LED High Bay

Ordering Information

Standard model with 3 Meter Cable & Hook Mount									
Part Number	**Legacy Part Number**	**Lumens**	**Watts**	**lm/W**	**Voltage**	**CCT**	**CRI**	**Lens**	**Beam Distribution**
HEE7MC2EDHWNGN	HEEGMC4PNHNG	26,250	186	141	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HEE4MC2EDHWNGN	HEE2MC4PNHNG	25,250	186	136	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HEELMC2EDHWNGN	HEELMC4PNHNG	24,500	186	132	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HEE7EC2EDHWNGN	HEEGEC4PNHNG	26,250	186	141	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HEE4EC2EDHWNGN	HEE2EC4PNHNG	25,250	186	136	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HEELEC2EDHWNGN	HEELEC4PNHNG	24,500	186	132	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval
HEE7MC2CDHWNGN	HEEGMC4KNHNG	19,500	129	151	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HEE4MC2CDHWNGN	HEE2MC4KNHNG	18,750	129	145	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HEELMC2CDHWNGN	HEELMC4KNHNG	18,000	129	140	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HEE7EC2CDHWNGN	HEEGEC4KNHNG	19,500	129	151	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HEE4EC2CDHWNGN	HEE2EC4KNHNG	18,750	129	145	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HEELEC2CDHWNGN	HEELEC4KNHNG	18,000	129	140	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval
HEE7MC2BDHWNGN	HEEGMC4GNHNG	14,250	102	140	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HEE4MC2BDHWNGN	HEE2MC4GNHNG	13,750	102	135	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HEELMC2BDHWNGN	HEELMC4GNHNG	13,250	102	130	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HEE7EC2BDHWNGN	HEEGEC4GNHNG	14,250	102	140	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HEE4EC2BDHWNGN	HEE2EC4GNHNG	13,750	102	135	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HEELEC2BDHWNGN	HEELEC4GNHNG	13,250	102	130	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval
HEE7MC2ADHWNGN	HEEGMC4DNHNG	11,250	80	141	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HEE4MC2ADHWNGN	HEE2MC4DNHNG	10,750	80	134	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HEELMC2ADHWNGN	HEELMC4DNHNG	10,250	80	128	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HEE7EC2ADHWNGN	HEEGEC4DNHNG	11,250	80	141	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HEE4EC2ADHWNGN	HEE2EC4DNHNG	10,750	80	134	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HEELEC2ADHWNGN	HEELEC4DNHNG	10,250	80	128	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.

Dialight

Vigilant® LED High Bay

Ordering Information

Occupancy Sensor Models - comes standard with bracket HBXW3									
Part Number	**Legacy Part Number**	**Lumens**	**Watts**	**lm/W**	**Voltage**	**CCT**	**CRI**	**Lens**	**Beam Distribution**
HWE7MC2EMANNGN	HEEGMC4PKJNG	26,250	186	141	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HWE4MC2EMANNGN	HEE2MC4PKJNG	25,250	186	136	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HWELMC2EMANNGN	HEELMC4PKJNG	24,500	186	132	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HWE7EC2EMANNGN	HEEGEC4PKJNG	26,250	186	141	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HWE4EC2EMANNGN	HEE2EC4PKJNG	25,250	186	136	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HWELEC2EMANNGN	HEELEC4PKJNG	24,500	186	132	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval
HWE7MC2CMANNGN	HEEGMC4KKJNG	19,500	129	151	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HWE4MC2CMANNGN	HEE2MC4KKJNG	18,750	129	145	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HWELMC2CMANNGN	HEELMC4KKJNG	18,000	129	140	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HWE7EC2CMANNGN	HEEGEC4KKJNG	19,500	129	151	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HWE4EC2CMANNGN	HEE2EC4KKJNG	18,750	129	145	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HWELEC2CMANNGN	HEELEC4KKJNG	18,000	129	140	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval
HWE7MC2BMANNGN	HEEGMC4GKJNG	14,250	102	140	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HWE4MC2BMANNGN	HEE2MC4GKJNG	13,750	102	135	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HWELMC2BMANNGN	HEELMC4GKJNG	13,250	102	130	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HWE7EC2BMANNGN	HEEGEC4GKJNG	14,250	102	140	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HWE4EC2BMANNGN	HEE2EC4GKJNG	13,750	102	135	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HWELEC2BMANNGN	HEELEC4GKJNG	13,250	102	130	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Oval
HWE7MC2AMANNGN	HEEGMC4DKJNG	11,250	80	141	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Medium
HWE4MC2AMANNGN	HEE2MC4DKJNG	10,750	80	134	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Medium
HWELMC2AMANNGN	HEELMC4DKJNG	10,250	80	128	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Medium
HWE7EC2AMANNGN	HEEGEC4DKJNG	11,250	80	141	100-277 VAC, 120-250 VDC	5000K	80	Clear Glass	Oval
HWE4EC2AMANNGN	HEE2EC4DKJNG	10,750	80	134	100-277 VAC, 120-250 VDC	5000K	80	Clear Polycarbonate	Oval
HWELEC2AMANNGN	HEELEC4DKJNG	10,250	80	128	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: Models with integrated wiring box are upgradeable to DALI & Wireless controls. Consult local Dialight sales office for availability.

Note 3: Flat clear acrylic lens available, consult local Dialight sales office for availability.

Vigilant® LED Low Bay

Technical Specifications

Corded Models

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

Low Bay Wiring Box with Occupancy Sensor

Mechanical Information:

Fixture weight:
9.9 kg (22 lbs)

Shipping weight:
12.3 kg (27 lbs)

Mounting:
Hook

Wiring Box Cable Entries:
M25 x 2

Terminals:
4mm^2 x 5

Prefix: LWE

Integrated Wiring Box

Mechanical Information:

Fixture weight:
9.1 kg (20 lbs)

Shipping weight:
11.8 kg (26 lbs)

Mounting:
Various Kits (see page 17)

Wiring Box Cable Entries:
M25 x 3

Terminals:
4mm^2 x 5

Prefix: LWE

Comparison		
	Warranty	**L70**
Dialight LED Low 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: Protection devices capable of handling up to 10kV. Tested for 10kV/2 ohm combination wave, as per IEEE C62.41, line-line and line-ground

THD: < 20%

Power Factor: > 0.9

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

Photometric Information:

CRI: 80

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

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

Vigilant® LED Low Bay

Ordering Information

Part Number	Legacy Part Number	Lumens	Watts	lm/W	Voltage	CCT	CRI	Lens	Beam Distribution
Standard Models with 3m Cable & Hook Mount									
LEELUC2CDHWNGN		18,000	154	117	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
LEELUC2BDHWNGN		14,000	114	123	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
LEELUC29DHWNGN		9,000	80	122	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
LEELUC26DHWNGN	LBW1C1DEUH	6,000	56	116	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
LEELUC24DHWNGN	LBW1C5AEUH	4,000	42	101	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
Integrated Wiring Box - comes standard with bracket HBXW3									
LWELUC2CDANNGN		18,000	154	117	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
LWELUC2BDANNGN		14,000	114	123	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
LWELUC29DANNGN		9,750	80	122	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
LWELUC26DANNGN		6,500	56	116	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
LWELUC24DANNGN		4,250	42	101	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
Integrated Wiring Box with Occupancy Sensor - comes standard with bracket HBXW3									
LWELUC2CMANNGN		18,000	154	117	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
LWELUC2BMANNGN		14,000	114	123	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
LWELUC29MANNGN		9,750	80	122	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
LWELUC26MANNGN		6,500	56	116	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide
LWELUC24MANNGN		4,250	42	101	100-277 VAC, 120-250 VDC	5000K	80	Diffused Domed Polycarbonate	Ultra Wide

Notes

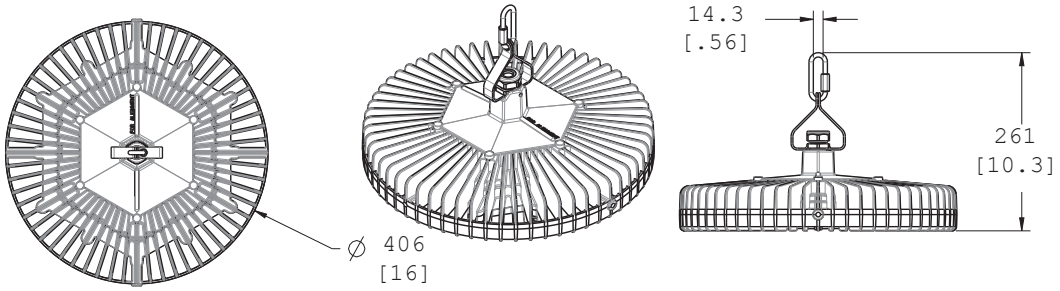
Note 1: Models in chart above are 5000K CCT. For 4000K CCT change the 6th character from C to N & deduct 3% from the lumen table.

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

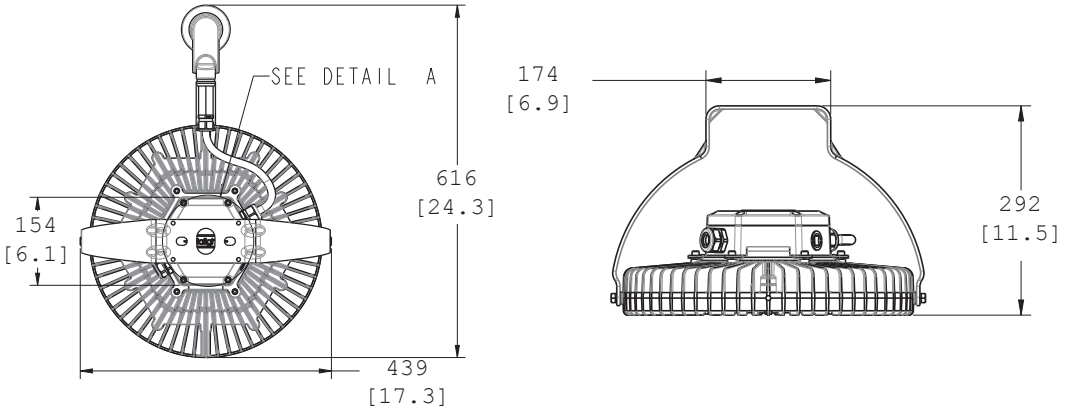
Dimensional Drawings

High Bay Models

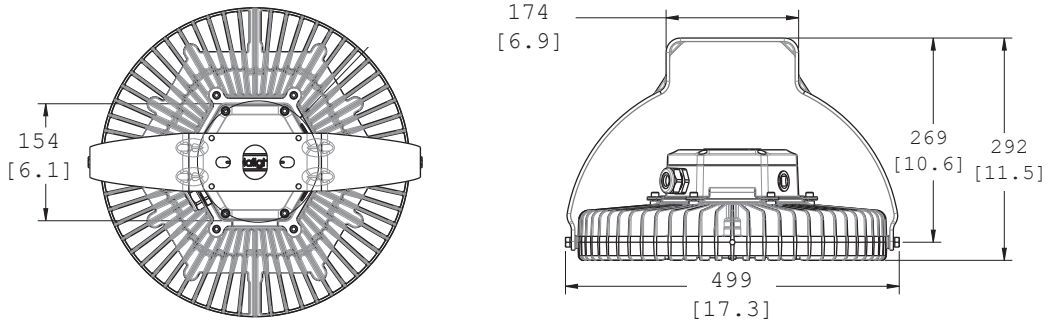
Corded Model with Hook Mount



Wiring Box with Occupancy Sensor



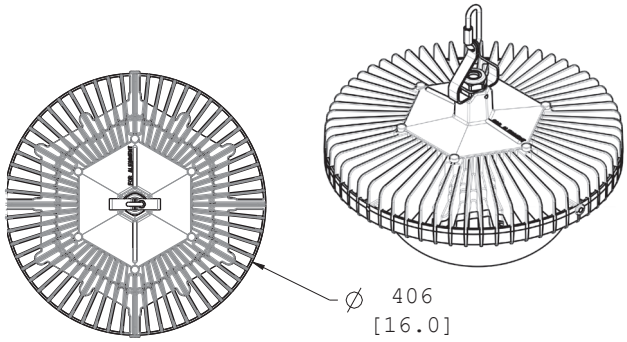
Integrated Wiring Box

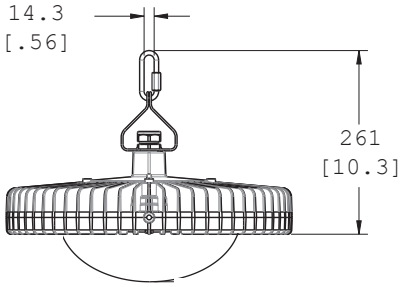


Dimensional Drawings

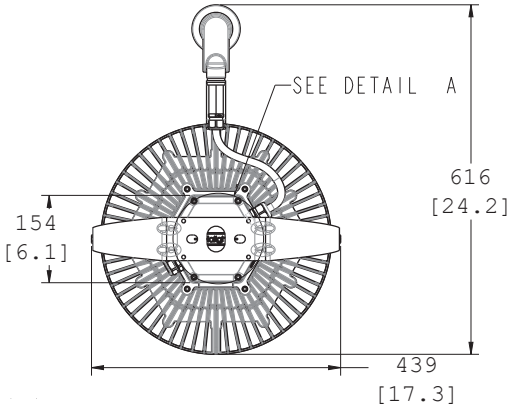
Low Bay Models

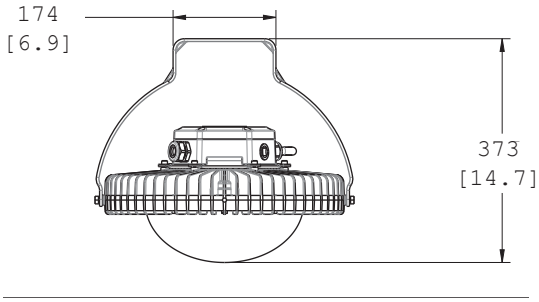
Corded Models with Hook Mount



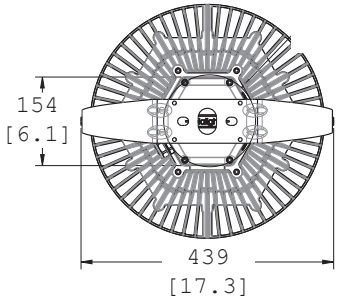


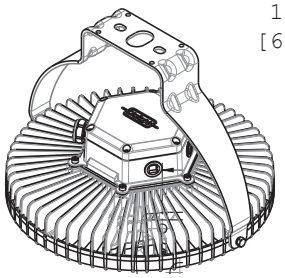
Wiring Box with Occupancy Sensor

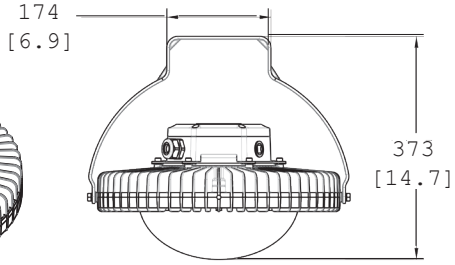




Integrated Wiring Box



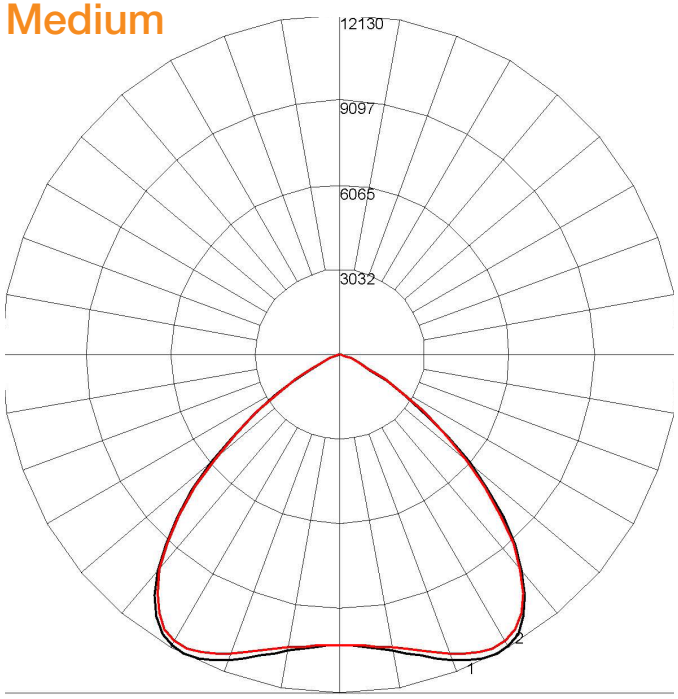




Beam Distributions

High Bay Models

Medium

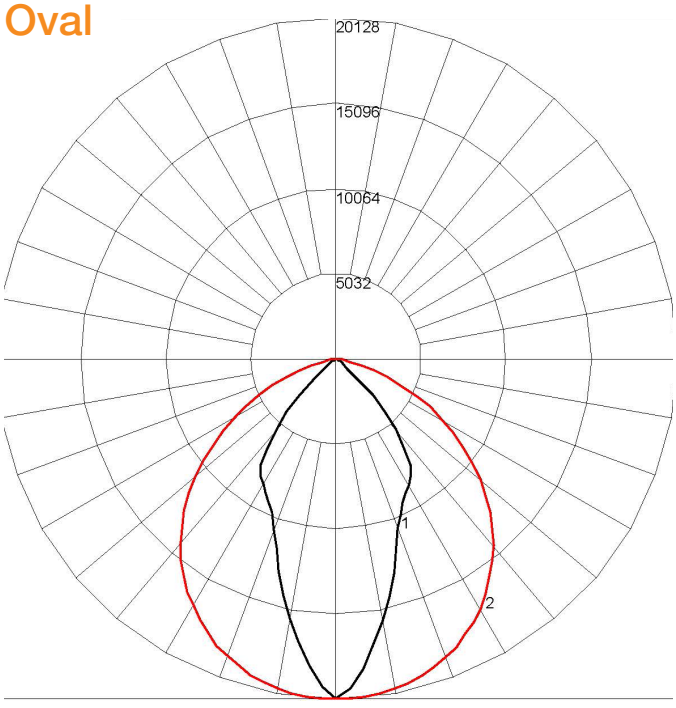


= 0°

= 90°

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

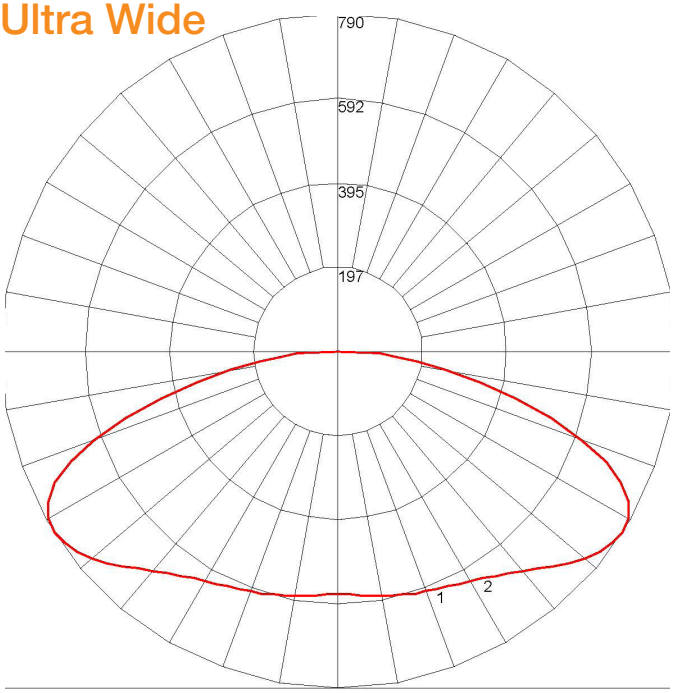


Maximum Candela = 20128.4 Located At Horizontal Angle = 85, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)

Beam Distributions

Low Bay Models

Ultra Wide



= 0°

= 90°

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)

In Rush 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

In Rush Currents

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

Lumen Maintenance Factor

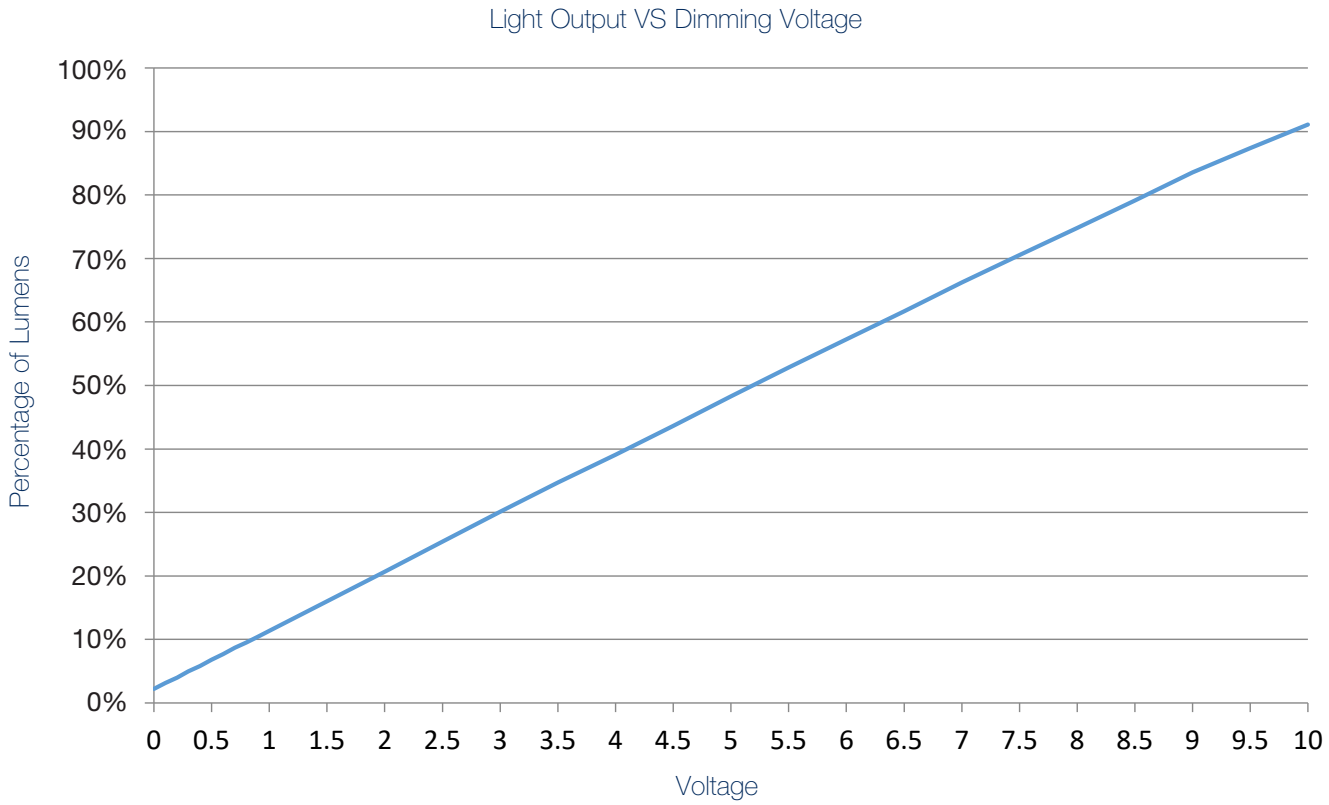
	Vigilant High Bay (Hours)									
Ambient Celsius	Ambient	0	15000	30000	45000	60000	75000	90000	100000	150000
	25	100%	98%	97%	96%	95%	94%	93%	92%	89%
	30	99%	96%	95%	94%	93%	92%	91%	90%	87%
	35	98%	95%	94%	93%	92%	91%	89%	89%	85%
	40	97%	94%	93%	92%	90%	89%	88%	87%	83%
	45	96%	93%	91%	90%	89%	87%	86%	85%	80%
	50	95%	92%	90%	88%	87%	85%	84%	83%	78%
	55	94%	90%	89%	87%	85%	83%	82%	81%	75%
	60	93%	89%	87%	85%	83%	82%	80%	79%	73%
	65	90%	85%	83%	80%	78%	76%	74%	73%	67%

Circuit Breaker

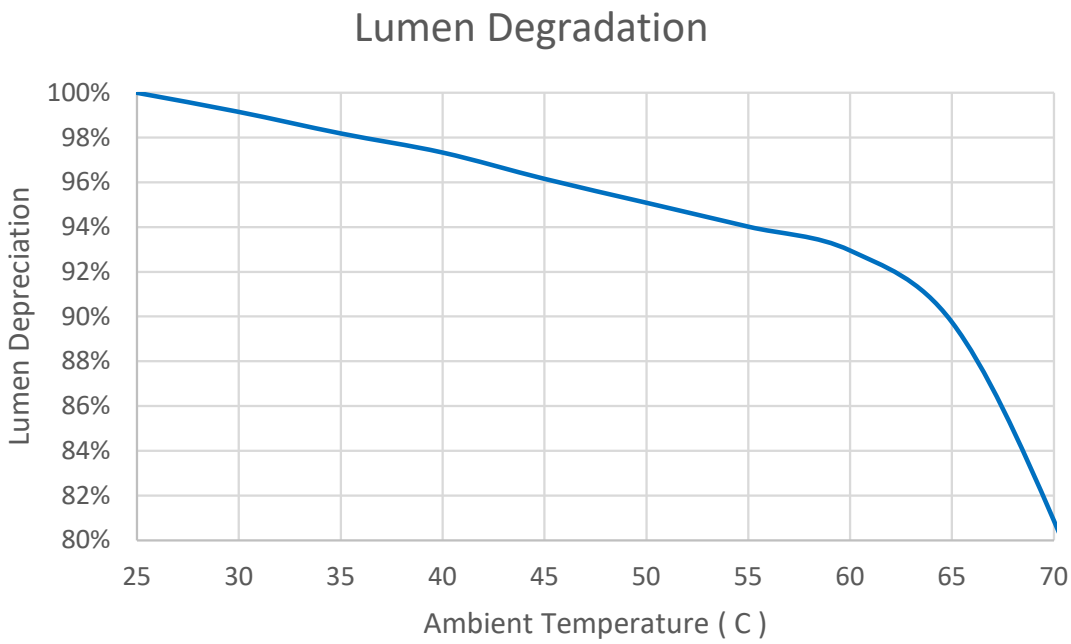
Loading

Vigilant	MAX Lights per C10	MAX Lights per B16	MAX Lights per C16
High Bay			
26K	4	7	7
18K	6	9	9
14K	8	13	13
11K	10	17	17
Low Bay			
18K	6	10	10
14K	8	13	13
9K	14	22	22
6K	18	31	31
4K	22	36	36

Dimming Characterization 0 - 10V



Thermal Roll-Off



Accessories

High Bay Models

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

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

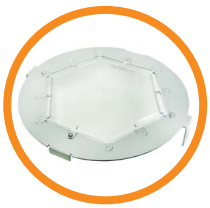
HBXSBDK
- Sand blast kit (dome lens)

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



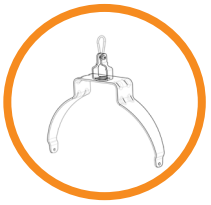
HBXSBK
- Sand blast kit (flat lens)

HBXSBL
- Sacrificial flat lens

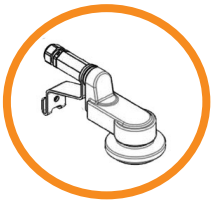
HBXW3
- Powder-coated aluminium swivel bracket

HBXGS
- Glare shield (internal use only, for use with flat lens)

HBXFSIRREMOTE
- Remote for occupancy sensor



HBXW3EUHOOK
- Swivel bracket with hanging hook



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

Accessories

Low Bay Models & Dimension Drawings

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

HBXCAB48
- 1.21M long stainless steel safety rope (for use with safety bracket)

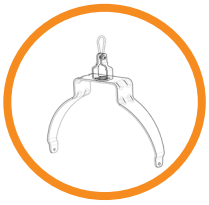
HBXSB
- 316 stainless steel
- Includes 4 tabs

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

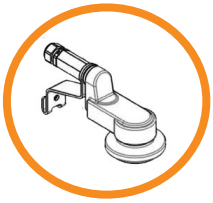
HBXW3-SSL-316FTM
- 316 stainless steel forward throw bracket

HBXW3
- Powder-coated aluminium swivel bracket

HBXFSIRREMOTE
- Remote for occupancy sensor

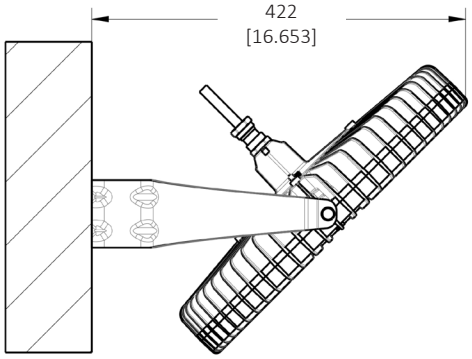


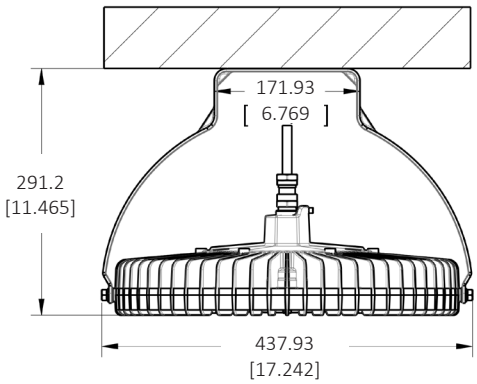
HBXW3EUHOOK
- Swivel bracket with hanging hook

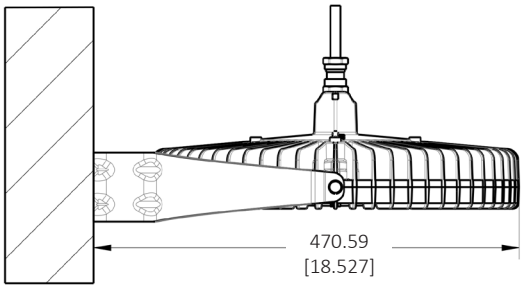


HBXOCC100277E
- Field installable occupancy sensor for models prefixed with HWE or HCE

HBXW3 - Swivel Bracket and Cable Gland

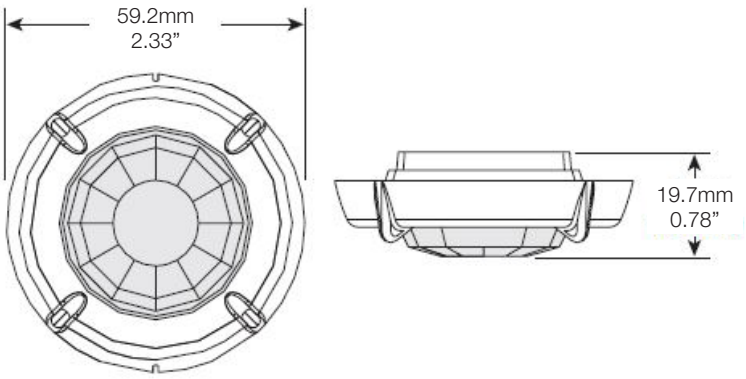


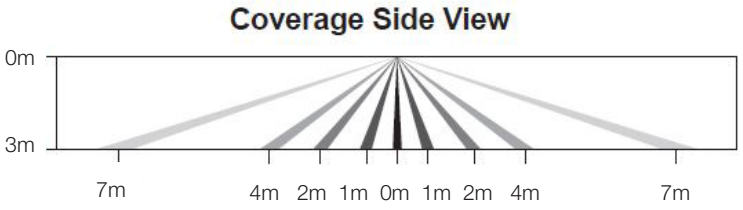


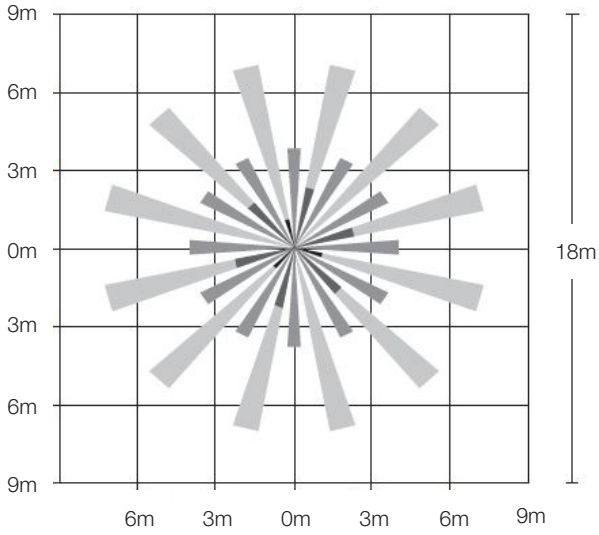


Occupancy Sensor - Passive Infrared Sensing

Coverage Top View @ 4m



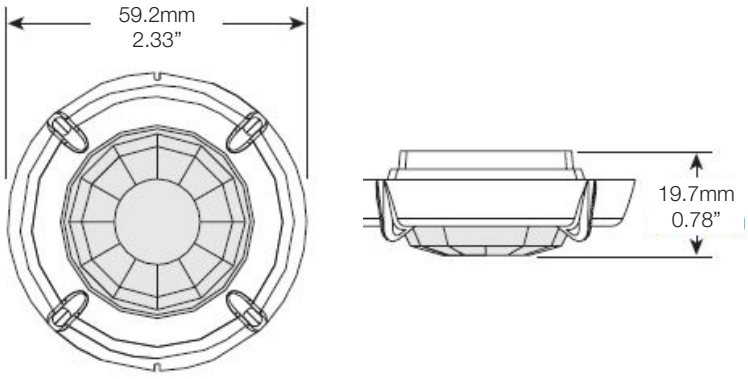


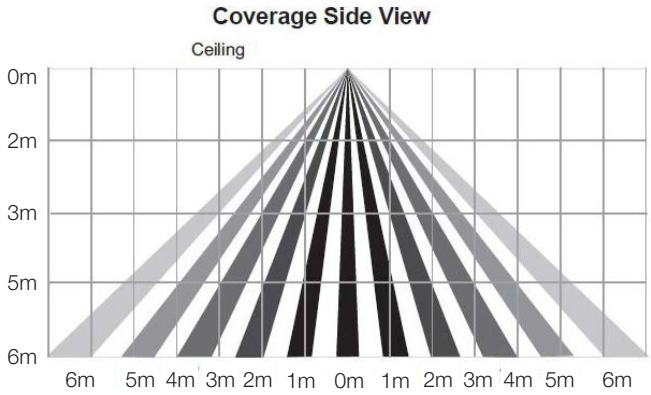


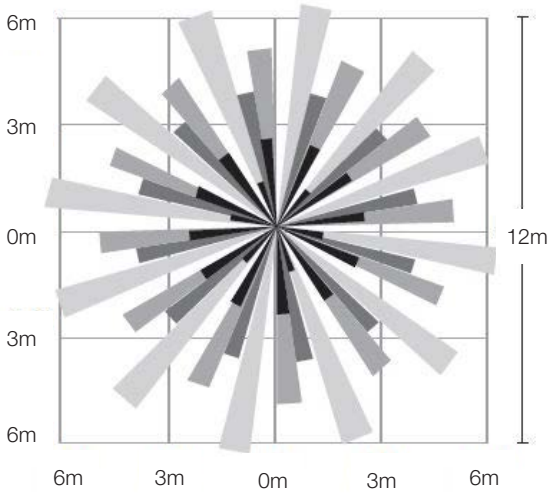
360º Coverage

Designed for mounting at heights between 3m and 4m. It provides a 15m diameter coverage area when mounted at a height of 3m, or a 22m diameter coverage at 4m.

Coverage Top View @ 6m





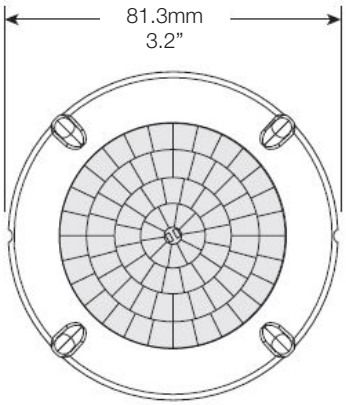


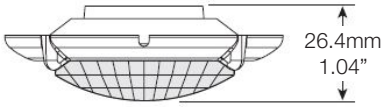
360º Coverage

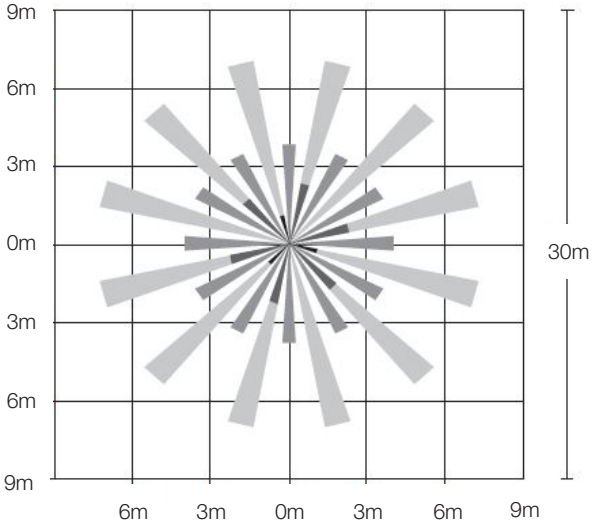
The high density lens covers a 12m diameter area at a height of 6m.

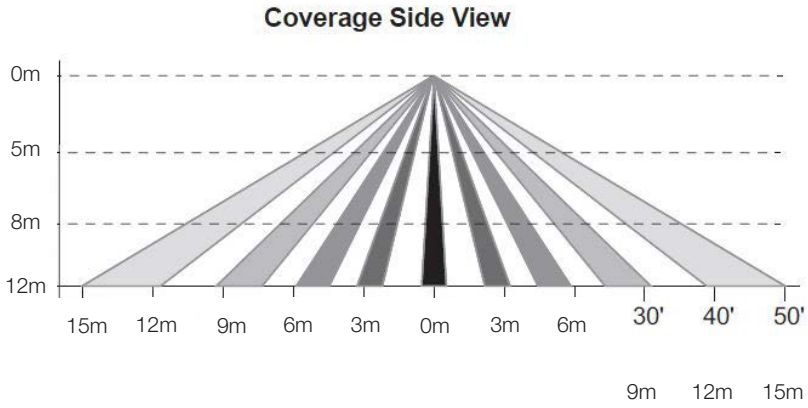
Occupancy Sensor - Passive Infrared Sensing

Coverage Top View @ 12m









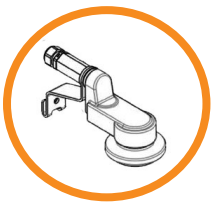
360° Coverage

The high density lens covers a 30m diameter area at a height of 12m.

Ordering Information

Please reference page 5 for High Bay models with occupancy sensor (factory installed).

For add on kit, use part number **HBXOCC100277E.**



HBXOCC100277E

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

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