

NEO SERIES NEMA 4X RATED



Description

The **Neo** is a high-performance LED high bay luminaire that is perfect for distribution centers and warehouses. It can be applied to industrial, commercial, gymnasium and other applications that would traditionally use HID or fluorescent luminaires. Neo has lower energy consumption than traditional high bays that will bring significant savings on your utility bills. This is an excellent replacement for 250-1000W metal halides; 300W LED's 39,000L can replace 1000W metal halides.

Features

Aluminum die-cast housing with anti corrosion heat sinks and rear air flow channels, maximize heat dissipation resulting in cooler operation, longer life and improved performance.

Neo is IP65 rated, operates at -30 to 50 degrees Celsius.

Comes standard with rigid eye-bolt.

Standard 1-10V dimmable, down to 10%.

Optional bracket for conduit and surface mount.

Sensor mounting height ≤14m (45.9')

L70 >100,000 hours @ 25°C

Electrical Specifications

NEMA 4X Rated

LED Type: Seoul

Available Wattages: 100W, 150W, 200W, 240W, 300W, 400W, 500W

Power Factor: >0.93

THD: <15%

UGR: <25 (with lens)

Standard Surge Protection: 4kV

Ambient Temperature: -30° to 50°C (-22° to 122°F)

Efficiency: 130lm/W (CUNV), 140lm/W (UNV, HV)

Available Voltages: 120-347VAC (CUNV100W – 240W only)

100-277VAC (UNV – 300 - 500W only)

200-480VAC (HV – all wattages)

Comes standard with a 1.83m (6ft) cord attached.

More Accuracy

Aluminum or prismatic reflectors direct the light emitted from the Neo Premium for a more accurate beam spread.

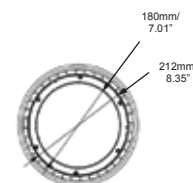
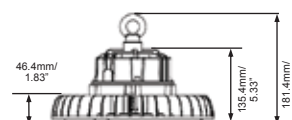
Certifications and Warranty

CE, cULus & DLC listed with 6 year warranty

NEO 100W



Weight: 4.50kg / 10.0lb



Product Information

100W

Installation:	Eye-bolt (Standard)
Material:	Aluminum
Finish:	Powder coat
System power (W):	100
Fixture lumen output (lm):	13000(CUNV)/14000(HV)
System efficiency (lm/W):	130(CUNV)/140(HV)
LED driver:	Integrated

Packaging

Net weight lamp (kg/lb):	3.50 / 7.70
Gross weight carton (kg/lb):	4.50 / 10.0
Master carton dimensions (mm/in):	310x310x215 / 12.2x12.2x18.5
Quantity per carton:	1

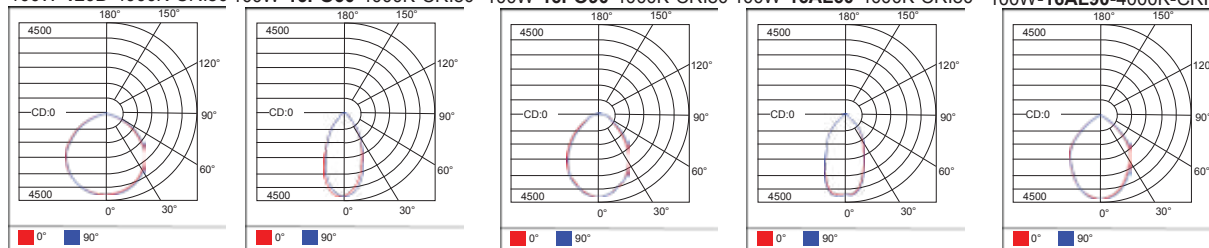
Code composition

Series	Model	Mounting	Wattage-Lumens	Optics
HB	High Bay	NEO Neo	100W-130L 100W-13000lm(CUNV)	120 120D
		CB Ceiling bracket (Optional)	100W-140L 100W-14000lm(HV)	(without reflector)

CCT	CRI	Voltage	Dimming	Finish	Lens	Accessories	
30K	3000K	80 80+	CUNV 120-347V	D 1-10V	BK Black	GCL Glass Clear	NA No Accessories
40K	4000K	(Standard)	HV 200-480V	Dimming	(Standard)	(Standard)	OS Microwave Occupancy Sensor
50K	5000K	90 90+			PCL PC Clear	WGB1 Black Wire Guard	
					PFR PC Frosted	WGW1 White Wire Guard	
					GFR Glass Frosted	M10-1/4" M10-1/4" Adaptor	
						M10-1/2" M10-1/2" Adaptor	
						M10-3/4" M10-3/4" Adaptor	
						16PO60 16" 60D Polycarbonate Reflector	
						16POBL60 16" 60D Polycarbonate Bottom Lens	
						16PO90 16" 90D Polycarbonate Reflector	
						16POBL90 16" 90D Polycarbonate Bottom Lens	
						19PO60 19" 60D Polycarbonate Reflector	
						19POBL60 19" 60D Polycarbonate Bottom Lens	
						19PO90 19" 90D Polycarbonate Reflector	
						19POBL90 19" 90D Polycarbonate Bottom Lens	
						22PO70S 22" 70D Polycarbonate Reflector	
						22POBS70 22" 70D Polycarbonate Bottom Lens	
						16AL60 16" Aluminum 60° Reflector	
						16AL90 16" Aluminum 90° Reflector	
						ID Inline Disconnecter Pre-Installed	

Standard

100W-120D-4000K-CRI80 100W-16PO60-4000K-CRI80 100W-16PO90-4000K-CRI80 100W-16AL60-4000K-CRI80 100W-16AL90-4000K-CRI80



NEO 150W



Weight: 4.50kg / 10.0lb

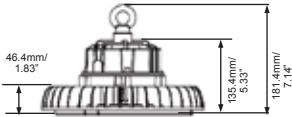
Product Information

150W

Installation:	Eye-bolt (Standard)
Material:	Aluminum
Finish:	Powder coat
System power (W):	150
Fixture lumen output (lm):	19500(CUNV)/21000(HV)
System efficiency (lm/W):	130(CUNV)/140(HV)
LED driver:	Integrated

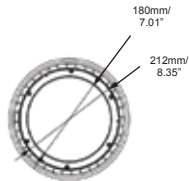
Packaging

Net weight lamp (kg/lb):	3.50 / 7.70
Gross weight carton (kg/lb):	4.50 / 10.0
Master carton dimensions (mm/in):	310x310x215 / 12.2x12.2x18.5
Quantity per carton:	1



Code composition

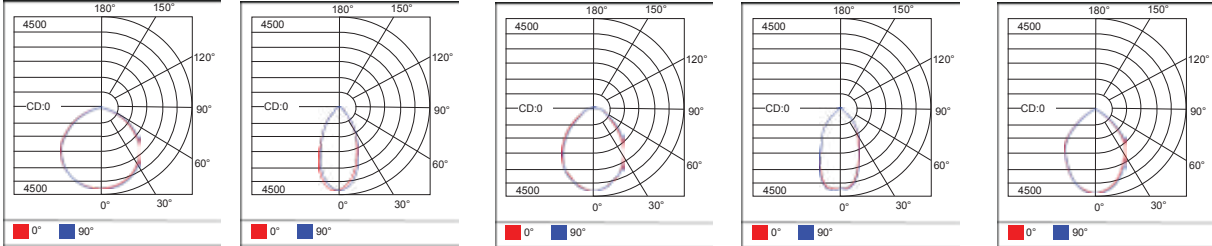
Series	Model	Mounting	Wattage-Lumens		Optics
HB	High Bay	NEO Neo	EB Eye-bolt (Standard)	150W-195L 150W-19500lm(CUNV)	120 120D
			CB Ceiling bracket (Optional)	150W-210L 150W-21000lm(HV)	(without reflector)



CCT	CRI	Voltage	Dimming	Finish	Lens	Accessories	
30K	3000K	80 80+	CUNV 120-347V	D 1-10V	BK Black	GCL Glass Clear	NA No Accessories
40K	4000K	(Standard)	HV 200-480V	Dimming	(Standard)	OS Microwave Occupancy Sensor	
50K	5000K	90 90+			PCL PC Clear	WGB1 Black Wire Guard	
					PFR PC Frosted	WGW1 White Wire Guard	
					GFR Glass Frosted	M10-1/4" M10-1/4" Adaptor (CUNV only)	
						M10-1/2" M10-1/2" Adaptor (CUNV only)	
						M10-3/4" M10-3/4" Adaptor (CUNV only)	
						M12-1/4" M12-1/4" Adaptor (HV only)	
						M12-1/2" M12-1/2" Adaptor (HV only)	
						M12-3/4" M12-3/4" Adaptor (HV only)	
						16PO60 16" 60D Polycarbonate Reflector	
						16POBL60 16" 60D Polycarbonate Bottom Lens	
						16PO90 16" 90D Polycarbonate Reflector	
						16POBL90 16" 90D Polycarbonate Bottom Lens	
						19PO60 19" 60D Polycarbonate Reflector	
						19POBL60 19" 60D Polycarbonate Bottom Lens	
						19PO90 19" 90D Polycarbonate Reflector	
						19POBL90 19" 90D Polycarbonate Bottom Lens	
						22PO70S 22" 70D Polycarbonate Reflector	
						22POBS70 22" 70D Polycarbonate Bottom Lens	
						16AL60 16" Aluminum 60° Reflector	
						16AL90 16" Aluminum 90° Reflector	
						ID Inline Disconnecter Pre-Installed	

Standard

150W-120D-4000K-CRI80 150W-16PO60-4000K-CRI80 150W-16PO90-4000K-CRI80 150W-16AL60-4000K-CRI80 150W-16AL90-4000K-CRI80



NEO 200W



Weight: 4.50kg / 10.0lb

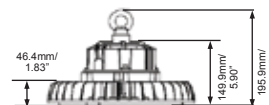
Product Information

200W

Installation:	Eye-bolt (Standard)
Material:	Aluminum
Finish:	Powder coat
System power (W):	200
Fixture lumen output (lm):	26000(CUNV)/28000(HV)
System efficiency (lm/W):	130(CUNV)/140(HV)
LED driver:	Integrated

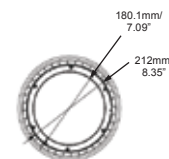
Packaging

Net weight lamp (kg/lb):	3.50 / 7.70
Gross weight carton (kg/lb):	4.50 / 10.0
Master carton dimensions (mm/in):	310x310x215 / 12.2x12.2x18.5
Quantity per carton:	1



Code composition

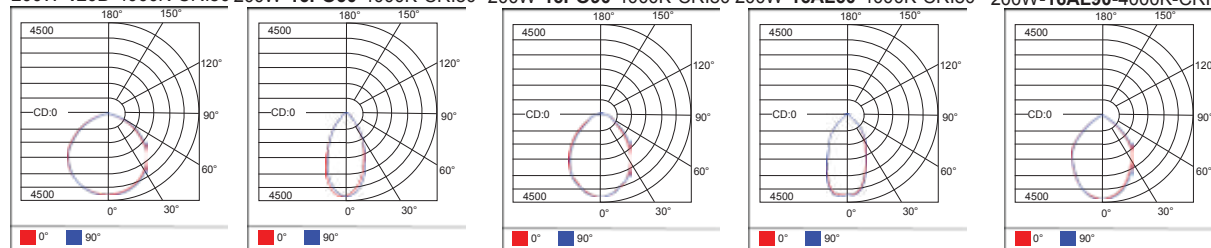
Series	Model	Mounting	Wattage-Lumens	Optics
HB	High Bay	NEO Neo	200W-260L 200W-26000lm(CUNV)	120 120D
		CB Ceiling bracket (Optional)	200W-280L 200W-28000lm(HV)	(without reflector)



CCT	CRI	Voltage	Dimming	Finish	Lens	Accessories	
30K	3000K	80 80+	CUNV 120-347V	D 1-10V	BK Black	GCL Glass Clear	NA No Accessories
40K	4000K	(Standard)	HV 200-480V	Dimming	(Standard)	OS Microwave Occupancy Sensor	
50K	5000K	90 90+			PCL PC Clear	WGB1 Black Wire Guard	
					PFR PC Frosted	WGW1 White Wire Guard	
					GFR Glass Frosted	M10-1/4" M10-1/4" Adaptor (CUNV only)	
						M10-1/2" M10-1/2" Adaptor (CUNV only)	
						M10-3/4" M10-3/4" Adaptor (CUNV only)	
						M12-1/4" M12-1/4" Adaptor (HV only)	
						M12-1/2" M12-1/2" Adaptor (HV only)	
						M12-3/4" M12-3/4" Adaptor (HV only)	
						16PO60 16" 60D Polycarbonate Reflector	
						16POBL60 16" 60D Polycarbonate Bottom Lens	
						16PO90 16" 90D Polycarbonate Reflector	
						16POBL90 16" 90D Polycarbonate Bottom Lens	
						19PO60 19" 60D Polycarbonate Reflector	
						19POBL60 19" 60D Polycarbonate Bottom Lens	
						19PO90 19" 90D Polycarbonate Reflector	
						19POBL90 19" 90D Polycarbonate Bottom Lens	
						22PO70S 22" 70D Polycarbonate Reflector	
						22POBS70 22" 70D Polycarbonate Bottom Lens	
						16AL60 16" Aluminum 60° Reflector	
						16AL90 16" Aluminum 90° Reflector	
						ID Inline Disconnecter Pre-Installed	

Standard

200W-120D-4000K-CRI80 200W-16PO60-4000K-CRI80 200W-16PO90-4000K-CRI80 200W-16AL60-4000K-CRI80 200W-16AL90-4000K-CRI80



NEO 240W



Product Information

240W

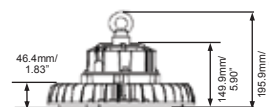
Installation:	Eye-bolt (Standard)
Material:	Aluminum
Finish:	Powder coat
System power (W):	240
Fixture lumen output (lm):	31200(CUNV)/33600(HV)
System efficiency (lm/W):	130(CUNV)/140(HV)
LED driver:	Integrated



Weight: 7.70kg / 17.0lb

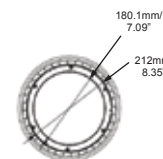
Packaging

Net weight lamp (kg/lb):	6.70 / 14.7
Gross weight carton (kg/lb):	7.70 / 17.0
Master carton dimensions (mm/in):	340x340x190 / 13.4x13.4x7.5
Quantity per carton:	1



Code composition

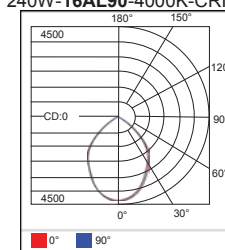
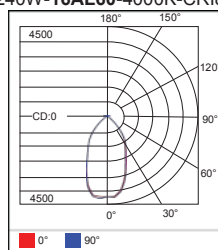
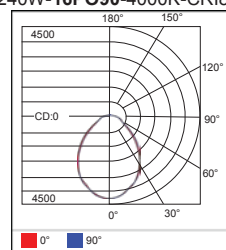
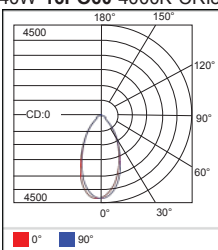
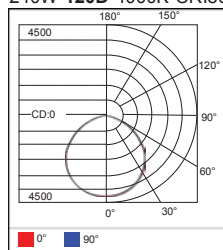
Series	Model	Mounting	Wattage-Lumens	Optics
HB	High Bay	NEO Neo	240W-312L 240W-31200lm(CUNV)	120 120D
		CB	Ceiling bracket (Optional)	240W-336L 240W-33600lm(HV) (without reflector)



CCT	CRI	Voltage	Dimming	Finish	Lens	Accessories
30K	3000K 80 80+	CUNV 120-347V	D 1-10V	BK Black (Standard)	GCL Glass Clear (Standard)	NA No Accessories
40K	4000K (Standard)	HV 200-480V	Dimming		PCL PC Clear	OS Microwave Occupancy Sensor
50K	5000K 90 90+				PFR PC Frosted	WGB1 Black Wire Guard
					GFR Glass Frosted	WGW1 White Wire Guard
						M10-1/4" M10-1/4" Adaptor (CUNV only)
						M10-1/2" M10-1/2" Adaptor (CUNV only)
						M10-3/4" M10-3/4" Adaptor (CUNV only)
						M12-1/4" M12-1/4" Adaptor (HV only)
						M12-1/2" M12-1/2" Adaptor (HV only)
						M12-3/4" M12-3/4" Adaptor (HV only)
						16PO60 16" 60D Polycarbonate Reflector
						16POBL60 16" 60D Polycarbonate Bottom Lens
						16PO90 16" 90D Polycarbonate Reflector
						16POBL90 16" 90D Polycarbonate Bottom Lens
						19PO60 19" 60D Polycarbonate Reflector
						19POBL60 19" 60D Polycarbonate Bottom Lens
						19PO90 19" 90D Polycarbonate Reflector
						19POBL90 19" 90D Polycarbonate Bottom Lens
						22PO70S 22" 70D Polycarbonate Reflector
						22POBS70 22" 70D Polycarbonate Bottom Lens
						16AL60 16" Aluminum 60° Reflector
						16AL90 16" Aluminum 90° Reflector
						ID Inline Disconnector Pre-Installed

Standard

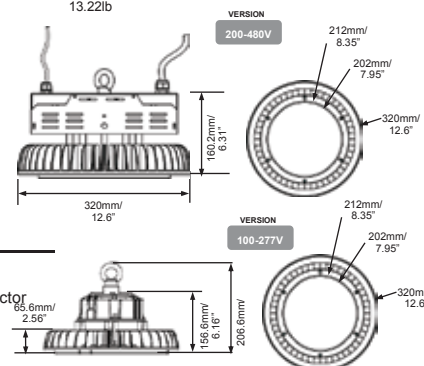
240W-120D-4000K-CRI80 240W-16PO60-4000K-CRI80 240W-16PO90-4000K-CRI80 240W-16AL60-4000K-CRI80 240W-16AL90-4000K-CRI80



NEO 300W



Weight: 6.00kg / 13.22lb



Product Information

300W

Installation:	Eye-bolt with bracket (HV), Eye-bolt (Standard UNV), Ceiling bracket (Optional)
Material:	Aluminum
Finish:	Powder coat
System power (W):	300
Fixture lumen output (lm):	39000
System efficiency (lm/W):	130
LED driver:	Integrated

Packaging

Net weight lamp (kg/lb):	5.50 / 12.12
Gross weight carton (kg/lb):	6.00 / 13.22
Master carton dimensions (mm/in):	385x385x200 / 15.1x15.1x7.9
Quantity per carton:	1

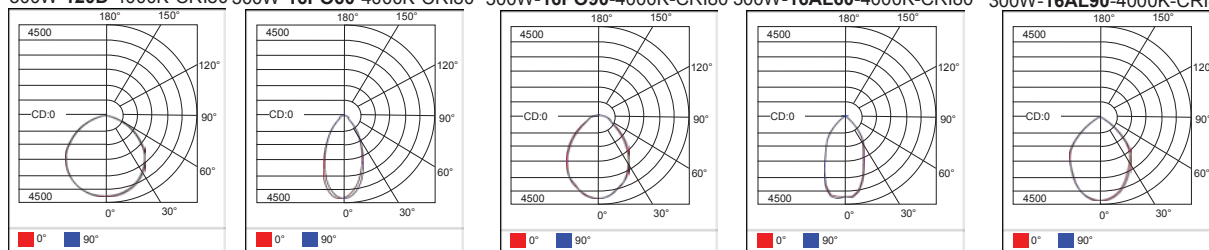
Code composition

Series	Model	Mounting	Wattage-Lumens	Optics
HB	High Bay	NEO Neo	300W-390L 300W-39000lm	120 120D
		EBB Eye-bolt with bracket (HV)		(without reflector)
		EB Eye-bolt (Standard UNV)		
		CB Ceiling bracket (Optional)		

CCT	CRI	Voltage	Dimming	Finish	Lens	Accessories
30K	3000K 80 80+	UNV 100-277V	D 1-10V	BK Black	GCL Glass Clear	NA No Accessories
40K	4000K (Standard)	HV 200-480V	Dimming	(Standard)	(Standard)	OS Microwave Occupancy Sensor
50K	5000K 90 90+				PCL PC Clear	WGB1 Black Wire Guard
					PFR PC Frosted	WGW1 White Wire Guard
					GFR Glass Frosted	M10-1/4" M10-1/4" Adaptor (HV only)
						M10-1/2" M10-1/2" Adaptor (HV only)
						M10-3/4" M10-3/4" Adaptor (HV only)
						M12-1/4" M12-1/4" Adaptor (UNV only)
						M12-1/2" M12-1/2" Adaptor (UNV only)
						M12-3/4" M12-3/4" Adaptor (UNV only)
						16PO60 16" 60D Polycarbonate Reflector
						16POBL60 16" 60D Polycarbonate Bottom Lens
						16PO90 16" 90D Polycarbonate Reflector
						16POBL90 16" 90D Polycarbonate Bottom Lens
						19PO60 19" 60D Polycarbonate Reflector
						19POBL60 19" 60D Polycarbonate Bottom Lens
						19PO90 19" 90D Polycarbonate Reflector
						19POBL90 19" 90D Polycarbonate Bottom Lens
						22PO70S 22" 70D Polycarbonate Reflector
						22POBS70 22" 70D Polycarbonate Bottom Lens
						16AL60 16" Aluminum 60° Reflector
						16AL90 16" Aluminum 90° Reflector
						ID Inline Disconnector Pre-Installed

Standard

300W-120D-4000K-CRI80 300W-16PO60-4000K-CRI80 300W-16PO90-4000K-CRI80 300W-16AL60-4000K-CRI80 300W-16AL90-4000K-CRI80



NEO 400W



Product Information

400W

Installation:	Eye-bolt with bracket
Material:	Aluminum
Finish:	Powder coat
System power (W):	400
Fixture lumen output (lm):	52000
System efficiency (lm/W):	130
LED driver:	Integrated

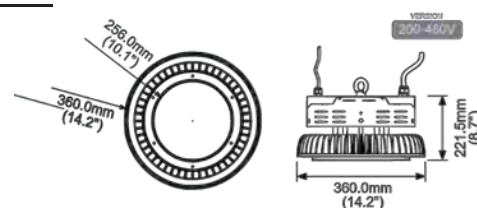
Packaging

Net weight lamp (kg/lb):	10.61 / 23.40
Gross weight carton (kg/lb):	11.61 / 25.60
Master carton dimensions (mm/in):	440x440x28 / 17.3x17.3x11
Quantity per carton:	1

Code composition

Series	Model	Mounting	Wattage-Lumens	Optics
HB High Bay	NEO Neo	EBB Eye-bolt with bracket	400W-520L 400W-52000lm	120 120D (without reflector)

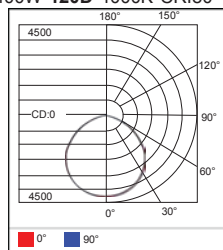
Weight: 6.00kg / 13.22lb



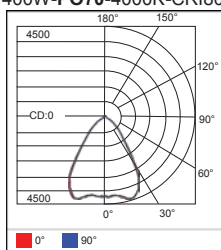
CCT	CRI	Voltage	Dimming	Finish	Lens	Accessories
30K 3000K	80 80+	UNV 100-277V	D 1-10V	BK Black	GCL Glass Clear	NA No Accessories
40K 4000K	(Standard)	HV 200-480V	Dimming	(Standard)	(Standard)	OS Microwave Occupancy Sensor Black
50K 5000K	90 90+				PCL PC Clear	WGB2 Wire Guard
					PFR PC Frosted	WGW2 White Wire Guard
					GFR Glass Frosted	M12-1/4" M12-1/4" Adaptor
						M12-1/2" M12-1/2" Adaptor
						M12-3/4" M12-3/4" Adaptor
						16AL90L Aluminum Reflector 90D for 400-500W
						22PO70L 22" 70D Polycarbonate Reflector 22"
						22POBL70 70D Polycarbonate Bottom Lens Inline
						ID Disconnecter Pre-Installed

Standard

400W-120D-4000K-CRI80



400W-PO70-4000K-CRI80



NEO 500W



Product Information

500W

Installation:	Eye-bolt with bracket
Material:	Aluminum
Finish:	Powder coat
System power (W):	500
Fixture lumen output (lm):	65000
System efficiency (lm/W):	130
LED driver:	Integrated

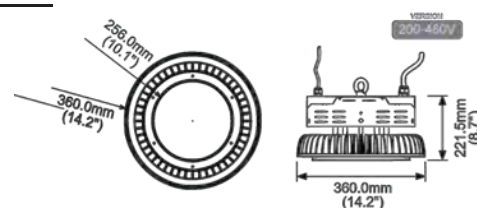
Packaging

Net weight lamp (kg/lb):	11.70 / 25.80
Gross weight carton (kg/lb):	12.70 / 28.00
Master carton dimensions (mm/in):	440x440x28 / 17.3x17.3x11
Quantity per carton:	1

Code composition

Series	Model	Mounting	Wattage-Lumens	Optics
HB High Bay	NEO Neo	EBB Eye-bolt with bracket	500W-650L 500W-65000lm	120 120D (without reflector)

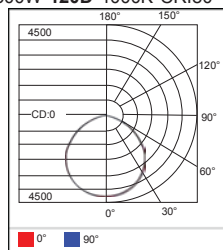
Weight: 12.70kg / 28.00lb



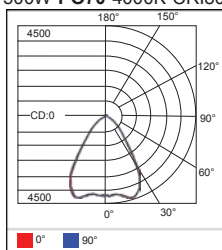
CCT	CRI	Voltage	Dimming	Finish	Lens	Accessories
30K 3000K	80 80+	UNV 100-277V	D 1-10V	BK Black	GCL Glass Clear	NA No Accessories
40K 4000K	(Standard)	HV 200-480V	Dimming	(Standard)	(Standard)	OS Microwave Occupancy Sensor Black
50K 5000K	90 90+				PCL PC Clear	WGB2 Wire Guard
					PFR PC Frosted	WGW2 White Wire Guard
					GFR Glass Frosted	M12-1/4" M12-1/4" Adaptor
						M12-1/2" M12-1/2" Adaptor
						M12-3/4" M12-3/4" Adaptor
						16AL90L Aluminum Reflector 90D for 400-500W
						22PO70L 22" 70D Polycarbonate Reflector 22"
						22POBL70 70D Polycarbonate Bottom Lens Inline
						ID Disconnecter Pre-Installed

Standard

500W-120D-4000K-CRI80



500W-PO70-4000K-CRI80



CONSTRUCTION



ACCESSORIES

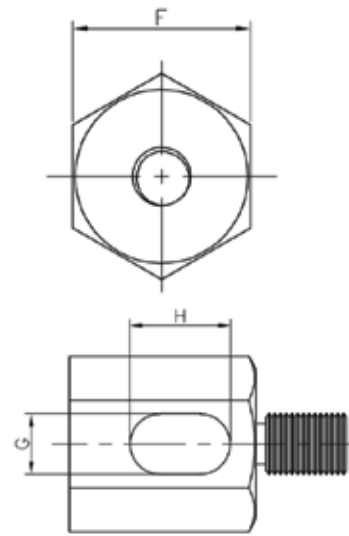
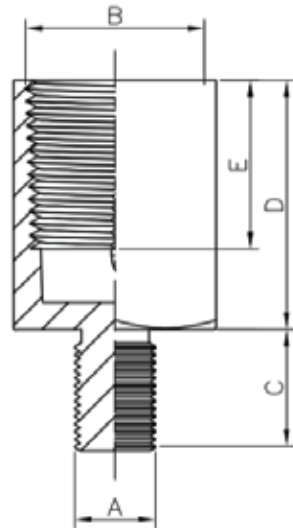
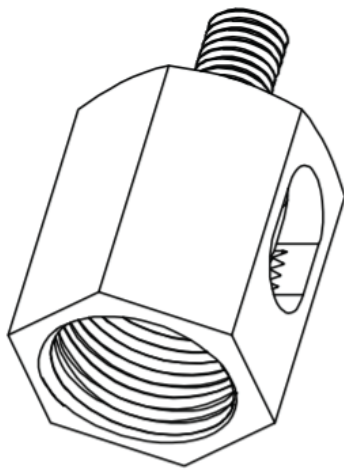
WIRE GUARD & INLINE DISCONNECT PRE-INSTALLED



Available in Black and White

Inline UL listed IP65 Disconnect for quick change or maintenance
*1ft cable from the driver + Inline Disconnect + 6ft cable

ADAPTOR'S DIMENSION



UNIT: mm

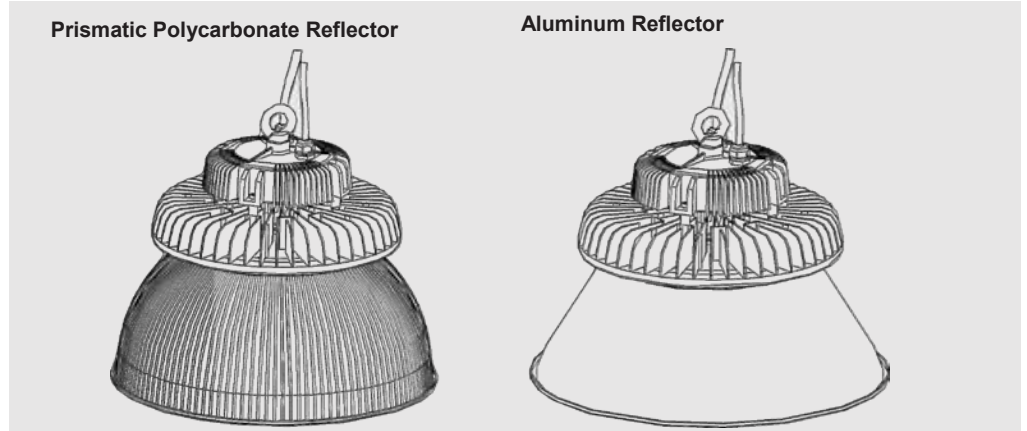
A	B	C	D	E	F	G	H
M10X1.5 Adaptor	1/2"-14 NPT	18	37	25	30	13	23
	1/4"-14 NPT	18	37	25	25	13	23
	3/4"-14 NPT	18	37	25	30	12	20
M12X1.75 Adaptor	1/2"-14 NPT	18	37	25	30	13	23
	1/4"-14 NPT	18	37	25	25	13	23
	3/4"-14 NPT	18	37	25	30	12	20

UNIT: in

A	B	C	D	E	F	G	H
M10X1.5 Adaptor	1/2"-14 NPT	0.71	1.46	0.98	1.18	0.51	0.91
	1/4"-14 NPT	0.71	1.46	0.98	0.98	0.51	0.91
	3/4"-14 NPT	0.71	1.46	0.98	1.18	0.47	0.79
M12X1.75 Adaptor	1/2"-14 NPT	0.71	1.46	0.98	1.18	0.51	0.91
	1/4"-14 NPT	0.71	1.46	0.98	0.98	0.51	0.91
	3/4"-14 NPT	0.71	1.46	0.98	1.18	0.47	0.79

ACCESSORIES

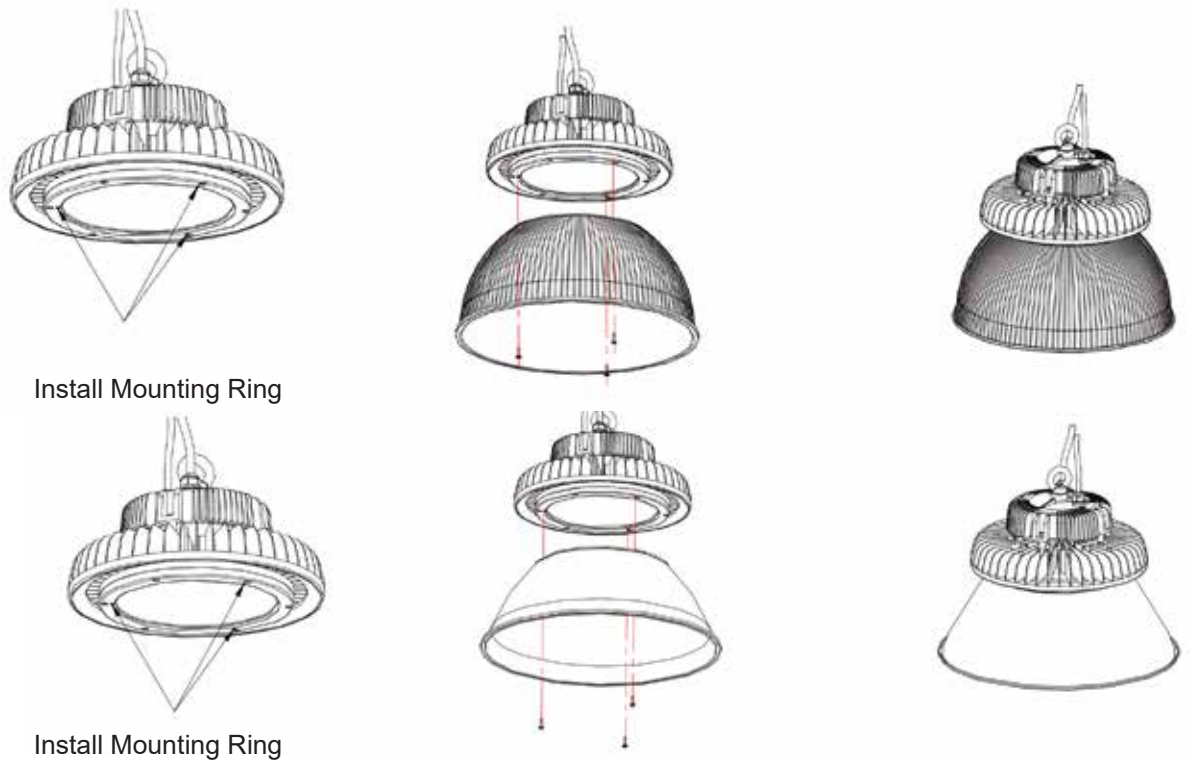
REFLECTOR



POLYCARBONATE BOTTOM LENS



REFLECTOR INSTALLATION

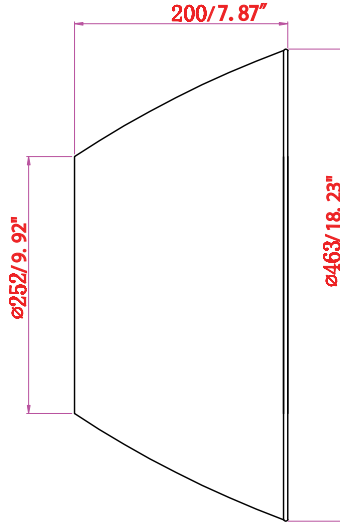
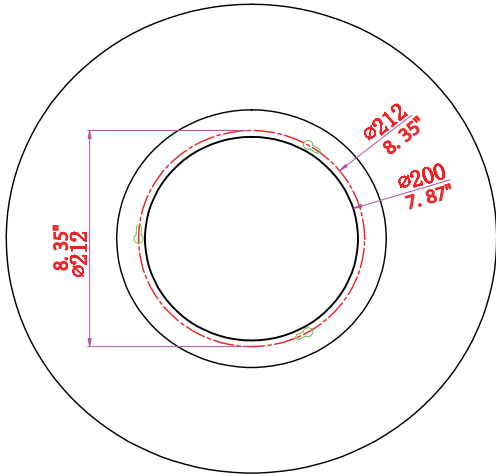


REFLECTOR DIMENSIONS

16"

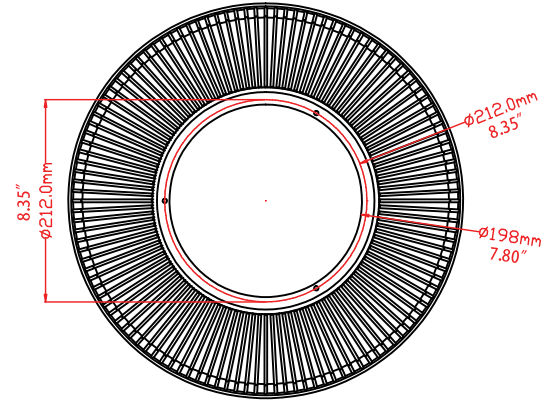
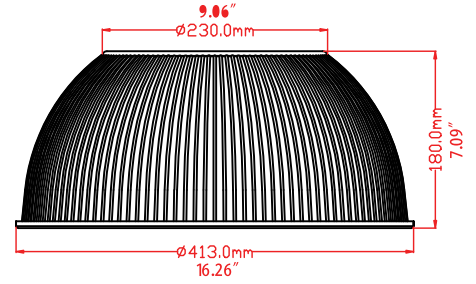
60° Aluminum

100W/150W/200W/240W/300W



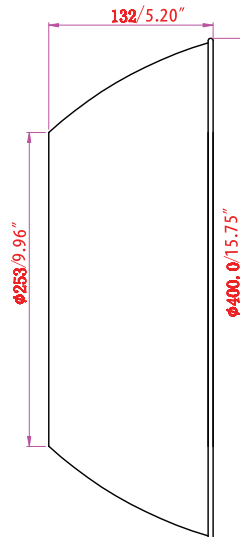
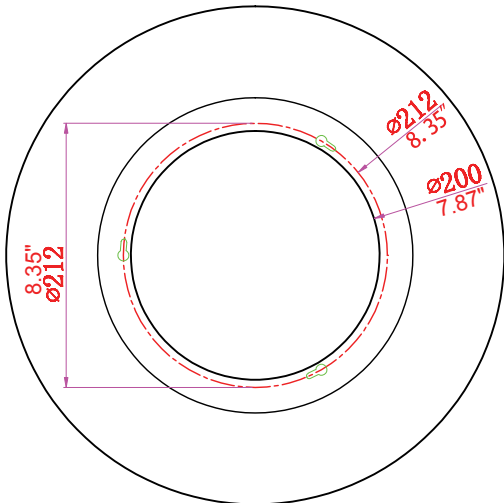
60° Polycarbonate

100W/150W/200W/240W/300W



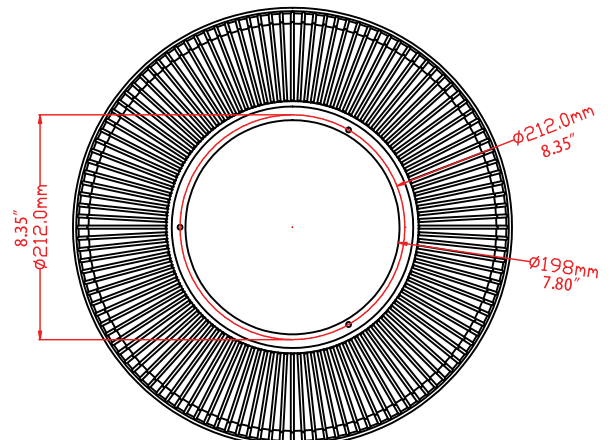
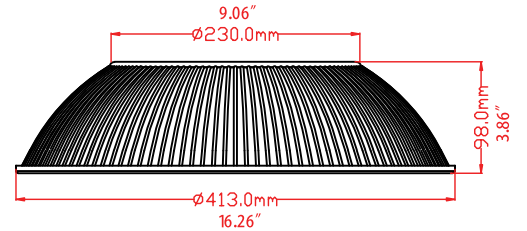
90° Aluminum

100W/150W/200W/240W/300W



90° Polycarbonate

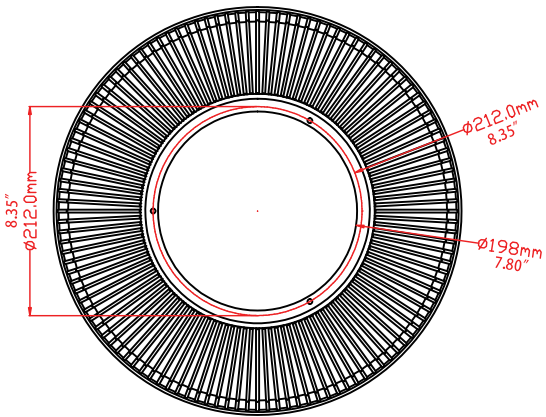
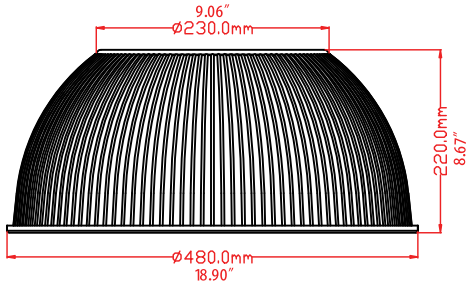
100W/150W/200W/240W/300W



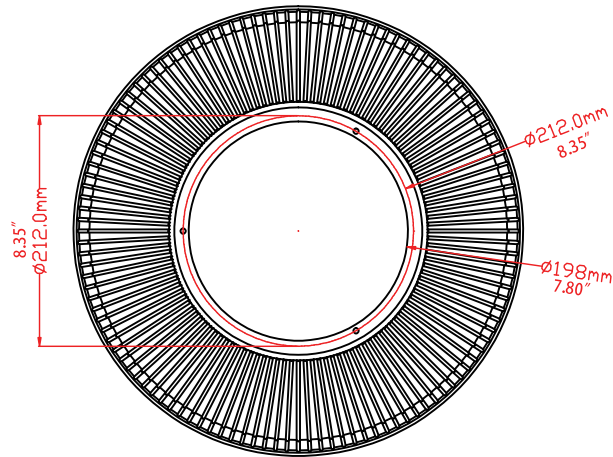
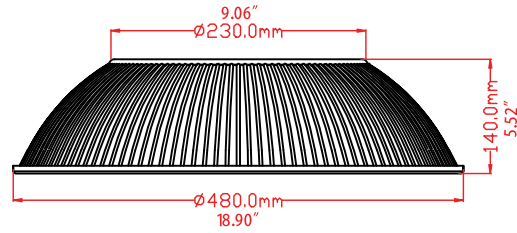
REFLECTOR DIMENSIONS

19"

60° Polycarbonate
100W/150W/200W/240W/300W

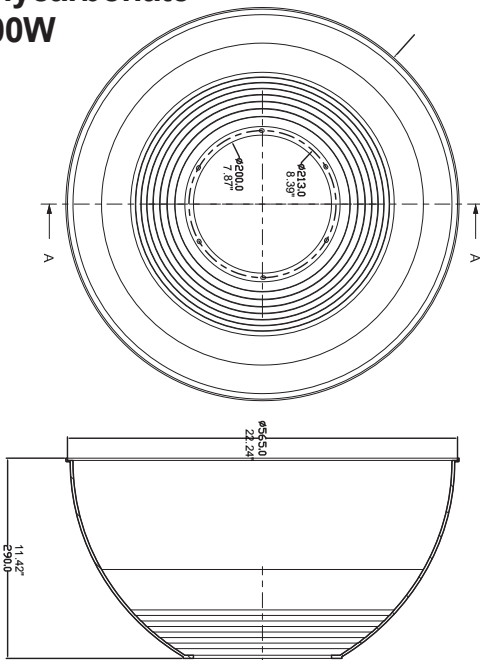


90° Polycarbonate
100W/150W/200W/240W/300W

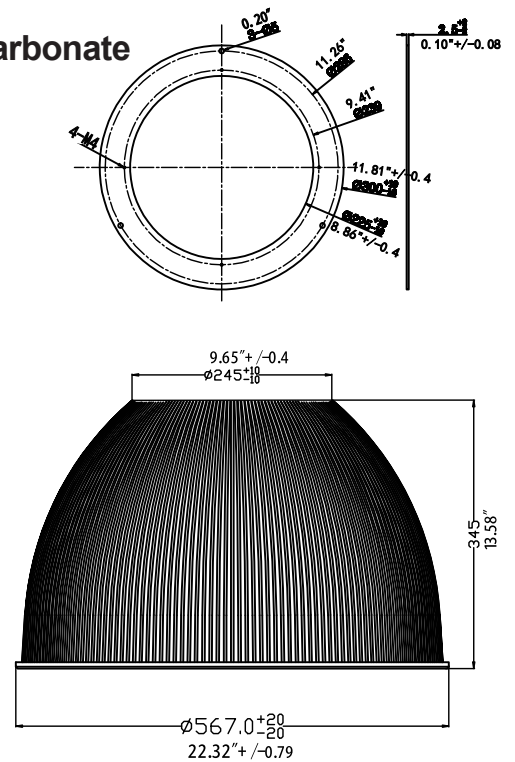


22"

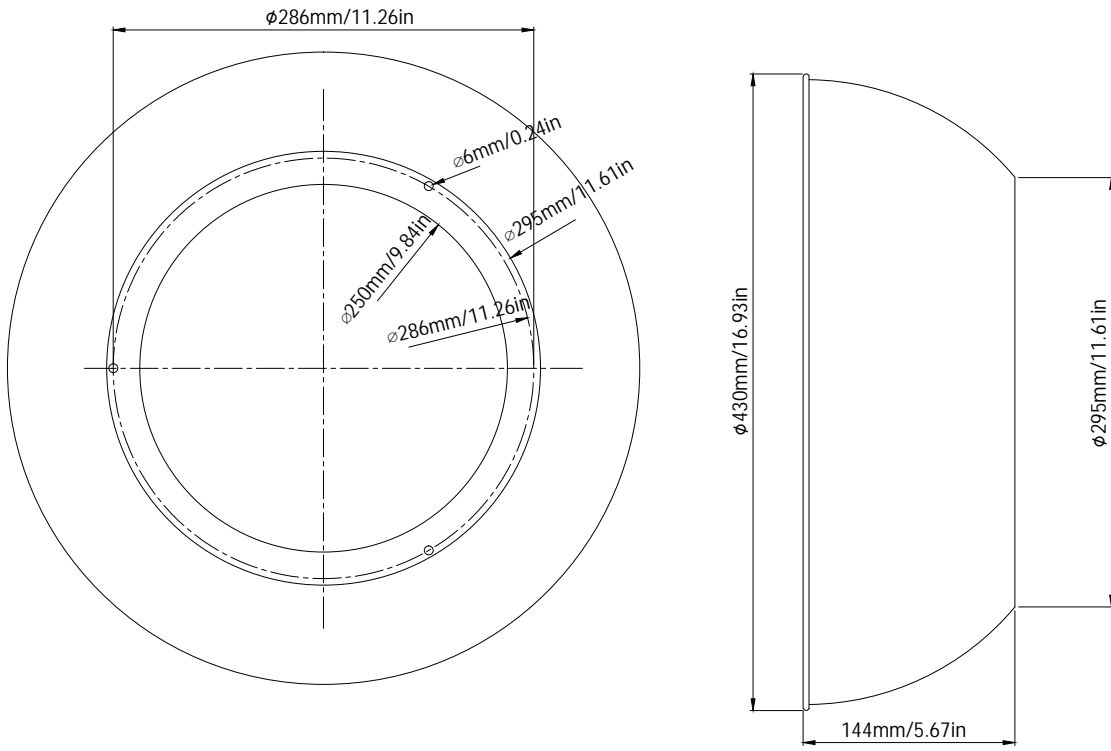
70° Polycarbonate
100-300W



70° Polycarbonate
400-500W



Aluminum Reflector 90D for 400-500W

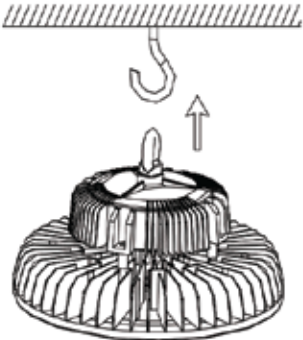


MOUNTING OPTIONS

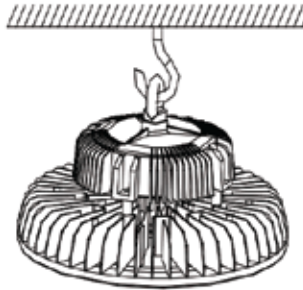
EB Eye-Bolt



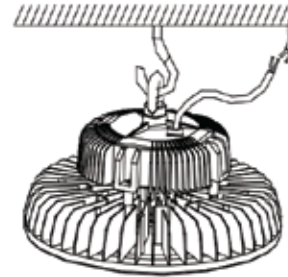
INSTALLATION: EB EYE-BOLT (Standard)



Install hook in ceiling



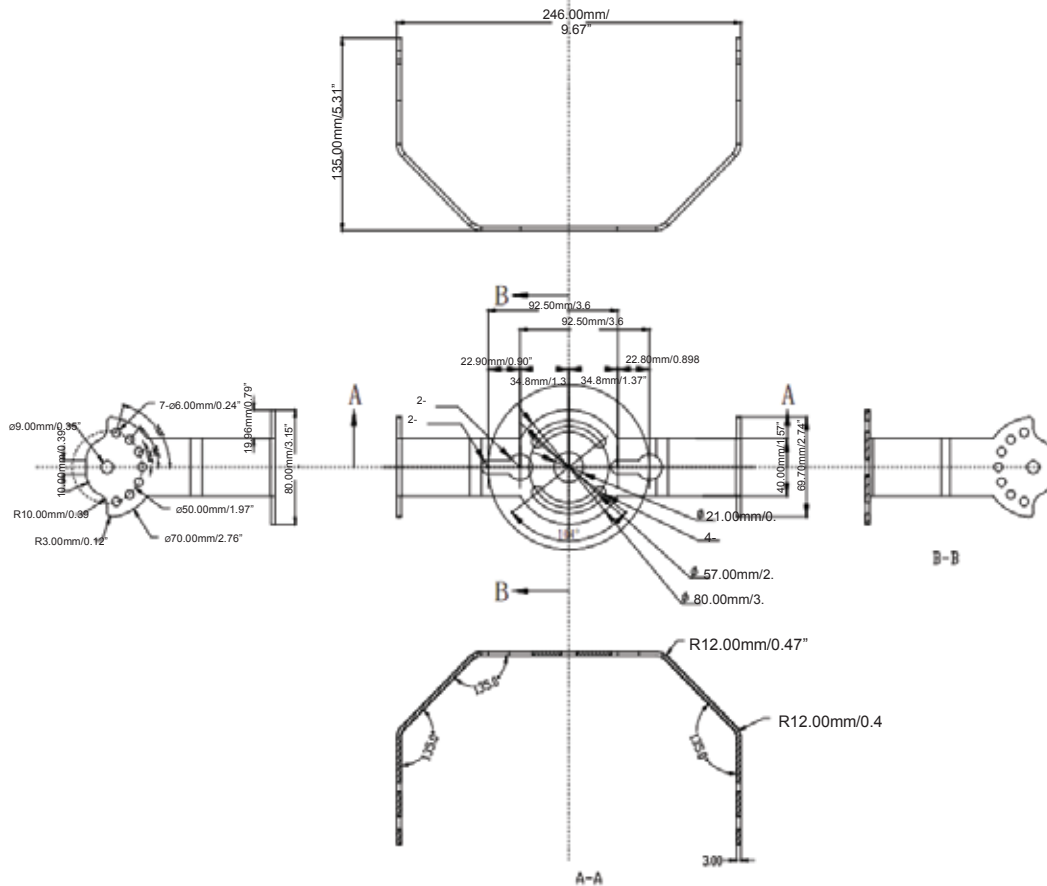
Hang Fixture



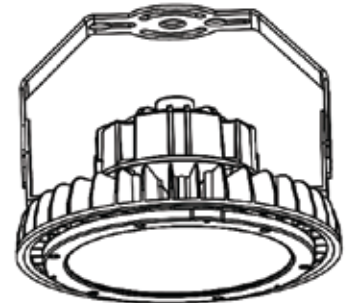
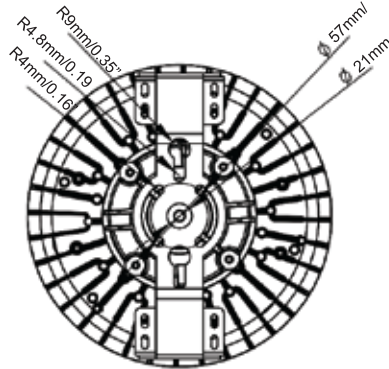
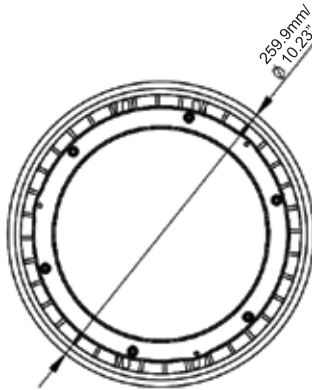
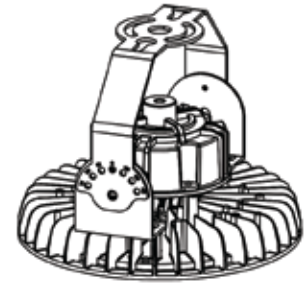
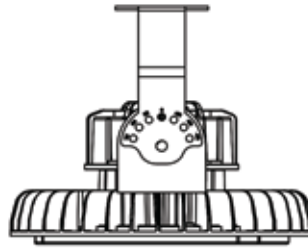
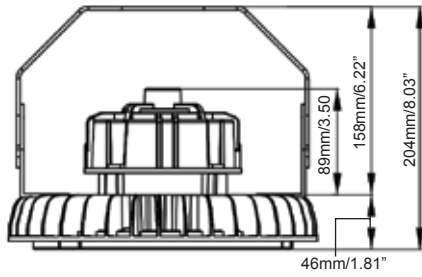
AC100-277V
All wiring finished
inside the junction
box.

Connect the wiring; black-L,
white-N, Yellow green - Ground.
Ensure waterproofing where re-
quired

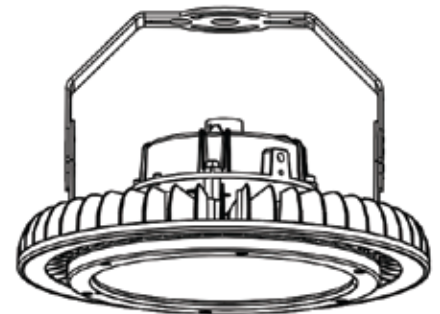
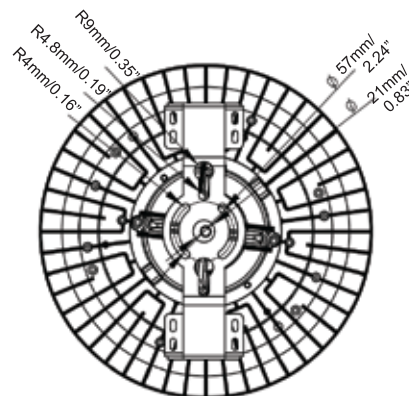
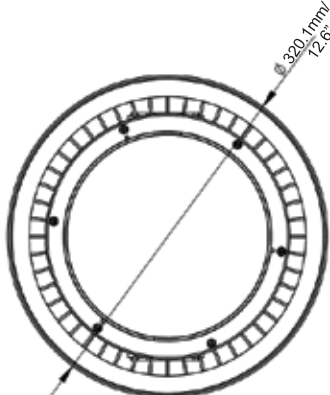
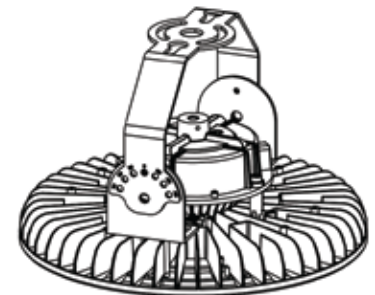
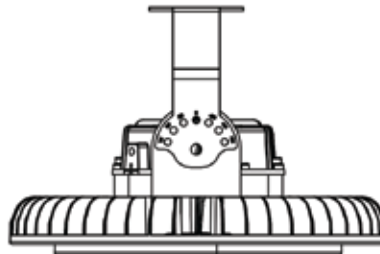
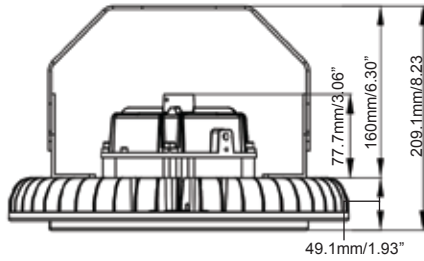
Ceiling Bracket Option



For 100W-200W (CUNV and HV)



For 240W (CUNV and HV) and 300W UNV



Ceiling Bracket

For 300W(HV) & 400W-500W (UNV and HV)



INSTALLATION: CEILING BRACKET



Drill holes in the ceiling and install the Expansion screws.

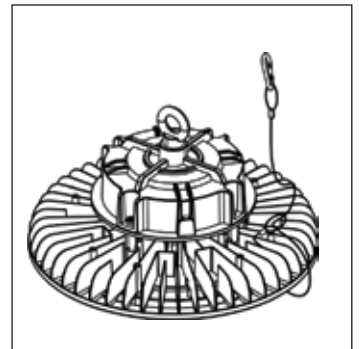
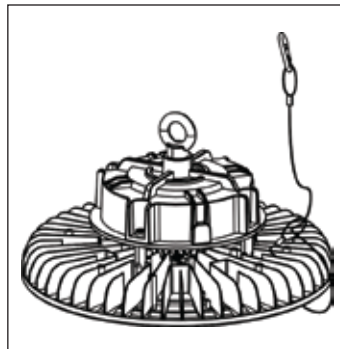
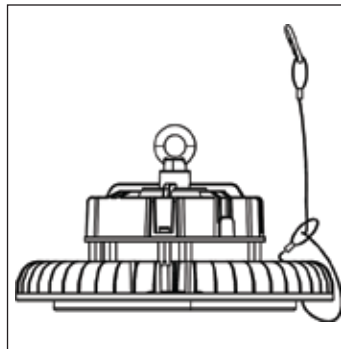
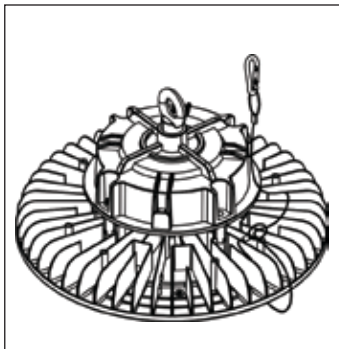


Attach the bracket.



Adjust the bracket to the beam angle you need.

SAFETY CABLE INSTALLATION



CONTROLS INTEGRATION

SENSORS

Mounting Height: Maximum: 14 meters (45.9")
Sensor Options: Microwave Occupancy sensor (120VAC, 277VAC or 347VAC)

