



RHB-LED

LED Round Highbay



RHB1-LED100/150



RHB2-LED240



RHB3-LED300

SPECIFICATIONS*	RHB1-LED100	RHB1-LED150	RHB2-LED240	RHB3-LED300
Watts	100	150	238	302
Lumens	14332	21791	34987	44765
Efficacy	143.4	145.8	146.7	148.4
Replaces Up To	250W MH	400W MH	750W MH	1000W MH
Color Temp	4000K*, 5000K*			
Certification	cULus, IP65			
Operating Temp	-40°C to +50°C			
Voltage	120-277V, 347V			120-277V, 347V
LED Life	L90 at 50,000 Hours			
Housing Material	Cast Aluminum			
Lens Material	Polycarbonate			Tempered Glass
Finish	Black			
Mounting Options	Pendant Mount, Suspended Mount, Yoke Mount			
Dimming	0-10V Dimming*			

*Standard



DESCRIPTION

Durable and efficient LED Highbay with optimal widespread illumination ideal for warehouses, factories, gyms and other highbay applications.

APPLICATIONS



Warehouses



Manufacturing



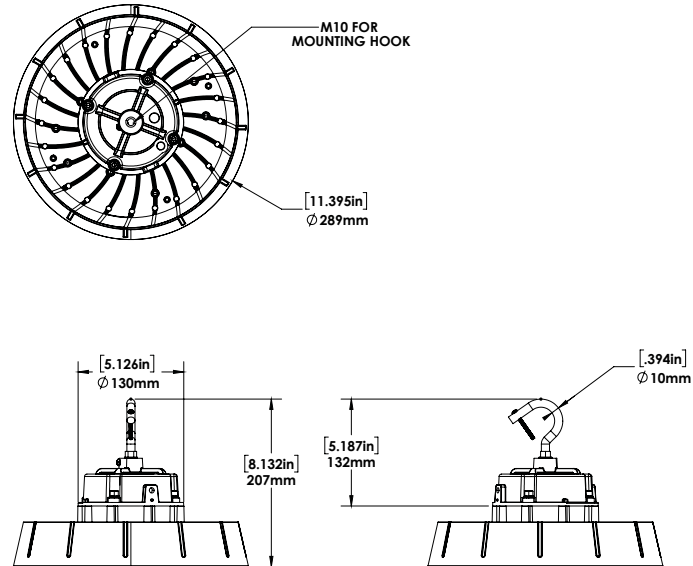
Factories

FEATURES

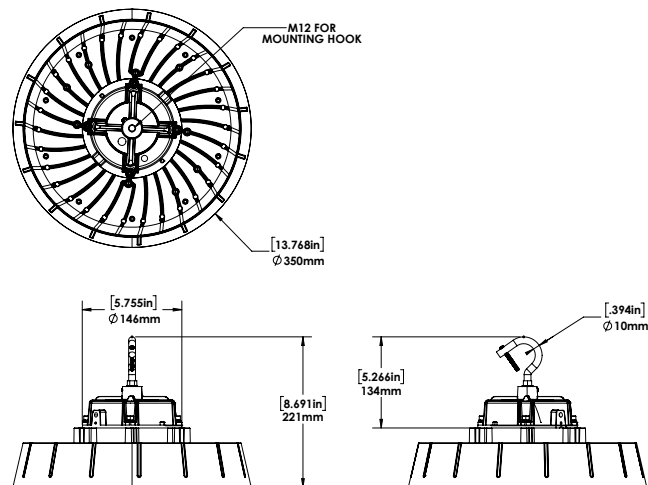
- Ruggedly designed with die cast aluminum housing and clear polycarbonate lens for RHB1/2, RHB3 has a tempered glass lens.
- Improved heat sink design - Large heat sink with space between LEDs and driver to extend fixture lifespan.
- Fixture can be suspended, pendant or yoke mounted. All units come with mounting hook for easy installation. Yoke mount accessory available as option. Yoke must be purchased and attached to the fixture for pendant mount version.
- A full range of accessories including polycarbonate and aluminum reflectors, sensor option.
- Motion sensor is optional. Standard unit comes with a shorting cap that can be removed to install the motion sensor on the field.

FIXTURE DIMENSIONS

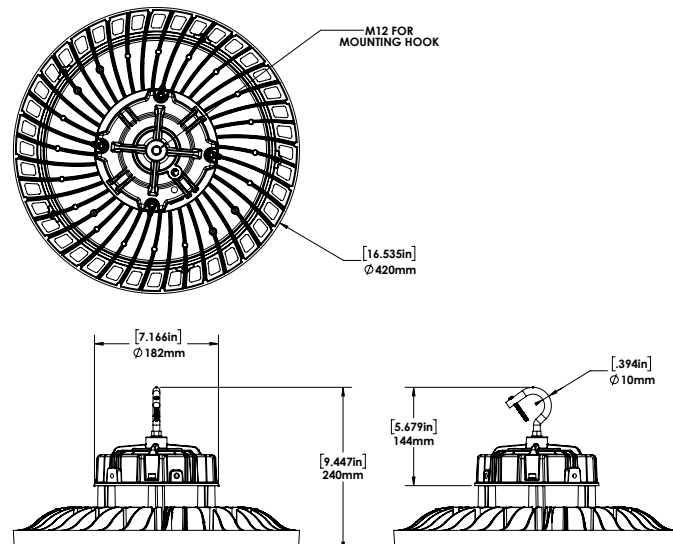
RHB1-LED100/150



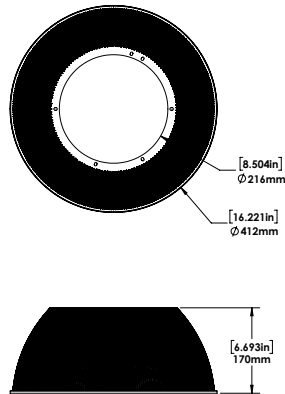
RHB2-LED240



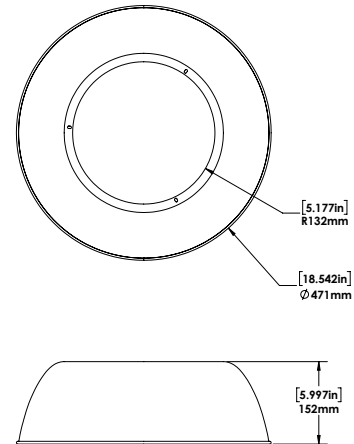
RHB3-LED300



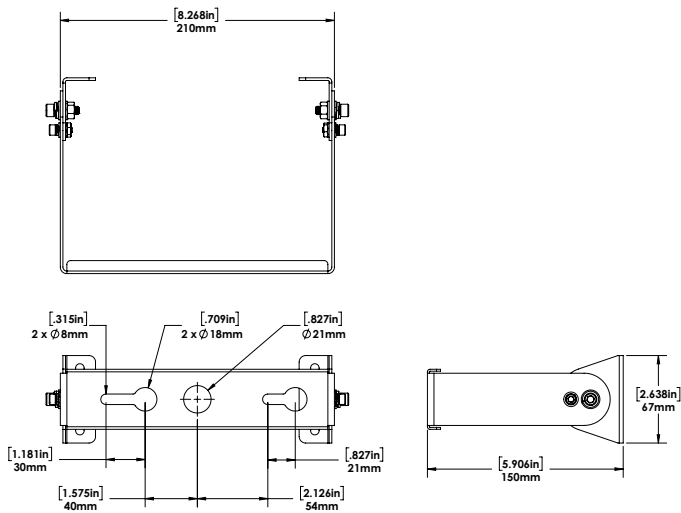
ACCESSORY DIMENSIONS



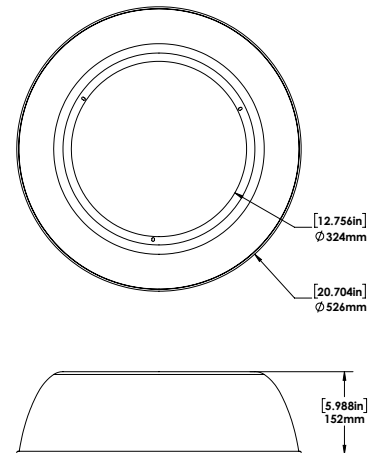
RHB1 PC REFLECTOR



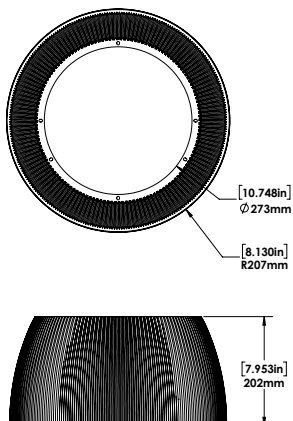
RHB1 ALUMINUM REFLECTOR



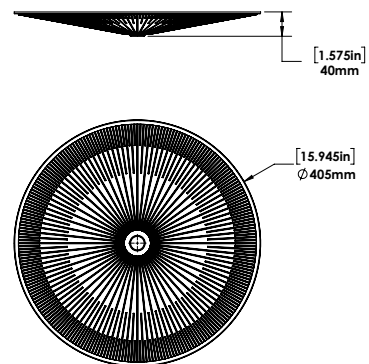
RHB1 YOKE MOUNT



RHB2 ALUMINUM REFLECTOR

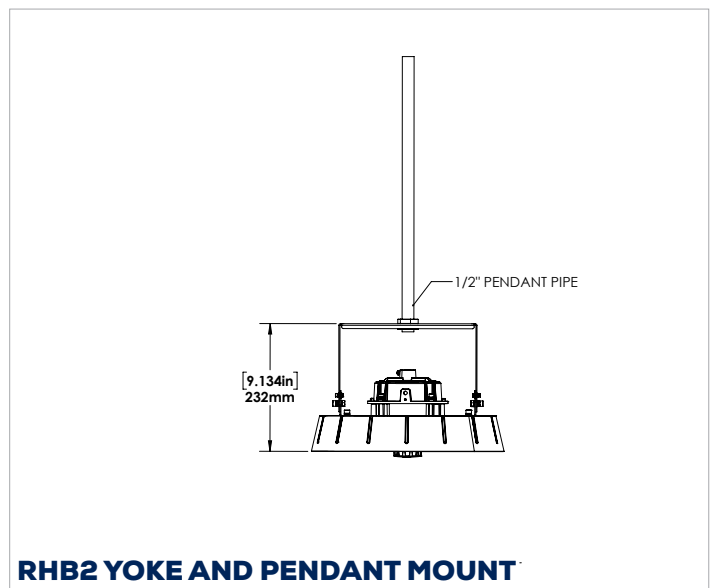
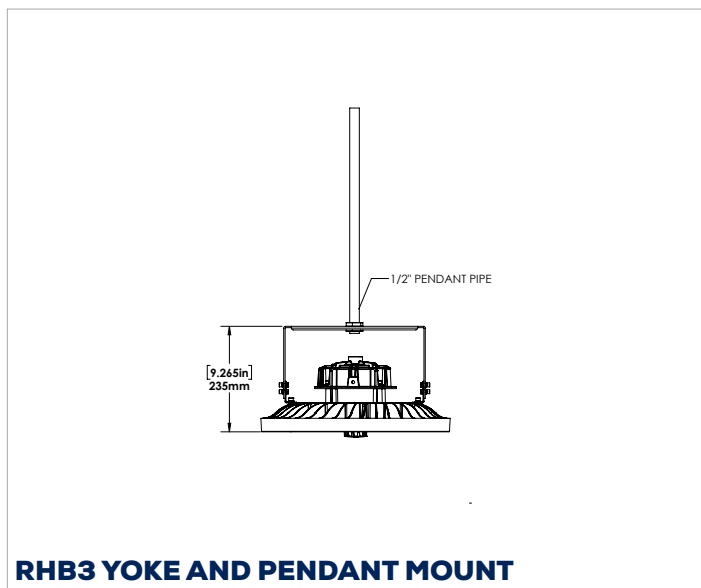
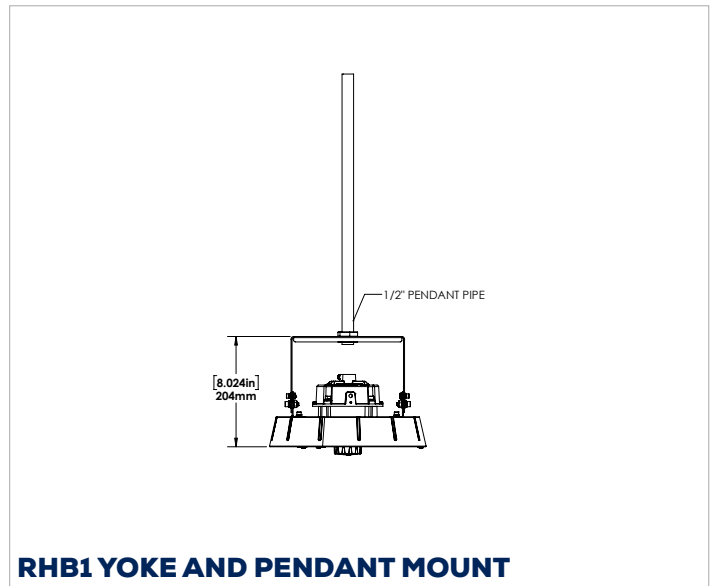
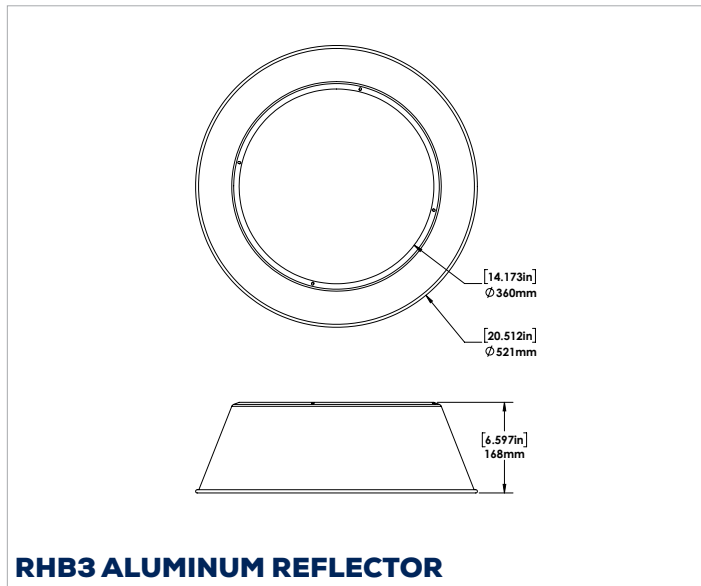
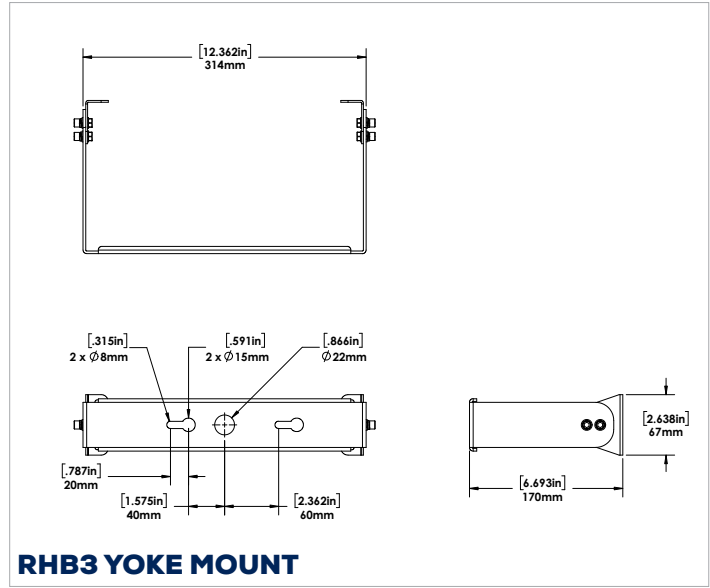
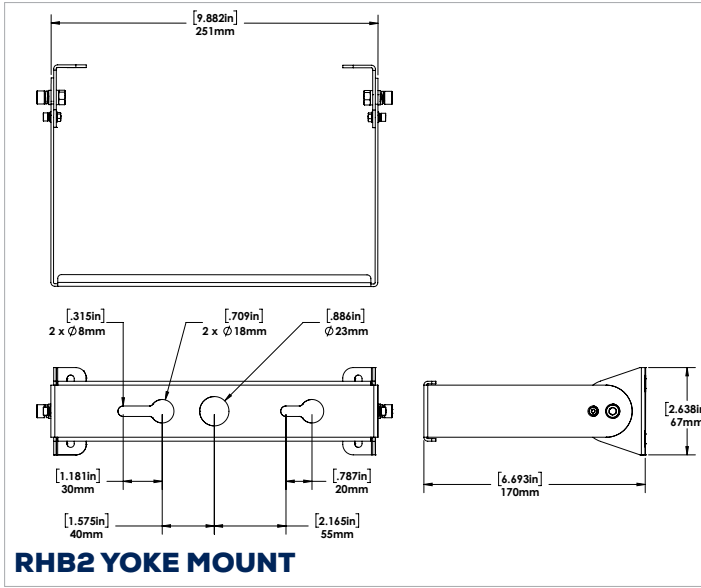


RHB2 PC REFLECTOR



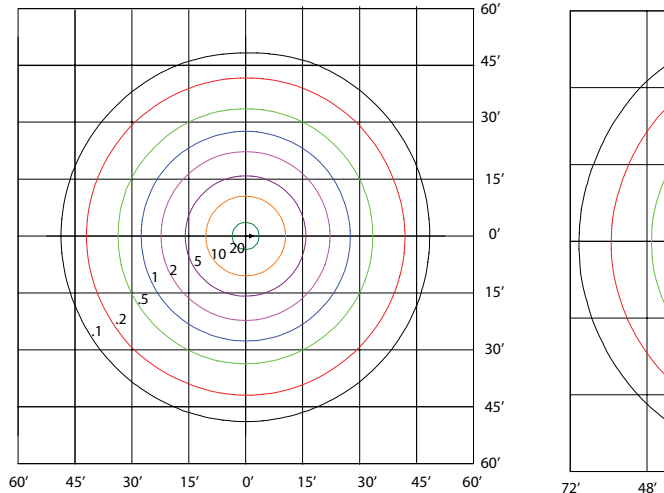
PC REFLECTOR COVER AND RING
 Combine with PC Reflector if required.

ACCESSORY DIMENSIONS

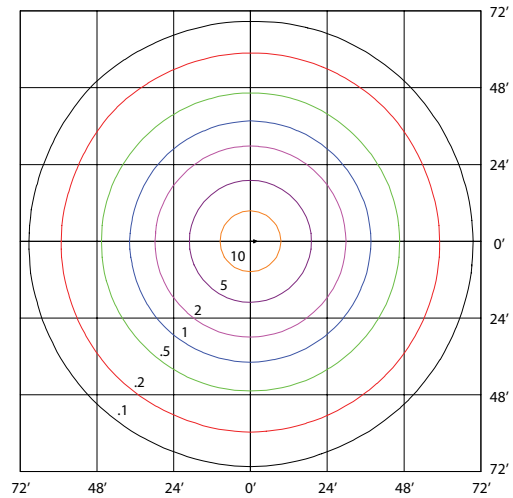


PHOTOMETRICS

RHB1-LED100/150 RHB1-LED100-B-4K-BLK
MOUNTED AT 15 FEET

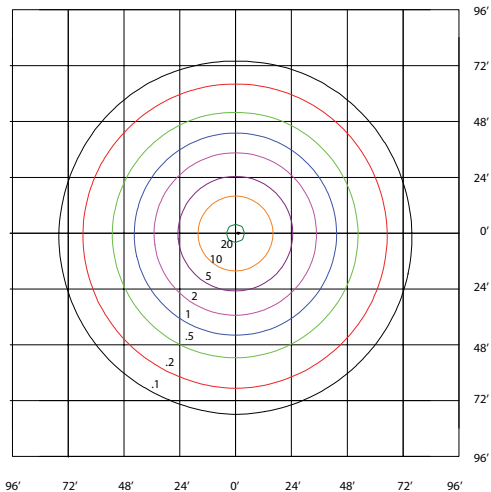


RHB1-LED150-B-4K-BLK
MOUNTED AT 24 FEET



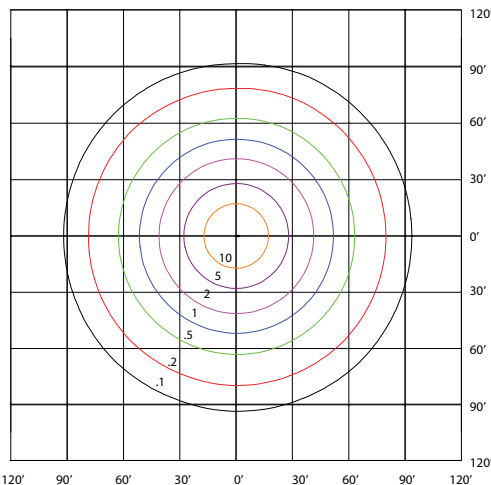
RHB2-LED240

RHB2-LED240-B-4K-BLK
MOUNTED AT 24 FEET



RHB3-LED300

RHB3-LED300-B-4K-BLK
MOUNTED AT 30 FEET



OTHER MODEL SPECIFICATIONS

MODEL DESCRIPTION	VOLTAGE (V)	INPUT POWER	LIGHT OUTPUT	EFFICACY (Lm/W)	CLASSIF-ICATION	THD	PF	CCT(K)	CRI
RHB1-LED100-H-4K-XXX-DIM-[Blank, DMS]-PCL	120-347	103	14953	145.4	Premium	15.0	0.900	4000	80.0
RHB1-LED100-H-5K-XXX-DIM-[Blank, DMS]-PCL	120-347	103	15169	147.0	Premium	15.0	0.900	5000	80.0
RHB1-LED100-B-4K-XXX-DIM-[Blank, DMS]-PCL	120-277	100	14332	143.4	Premium	15.0	0.900	4000	80.0
RHB1-LED100-B-5K-XXX-DIM-[Blank, DMS]-PCL	120-277	100	14540	145.5	Premium	15.0	0.900	5000	80.0
RHB1-LED150-H-4K-XXX-DIM-[Blank, DMS]-PCL	120-347	152	22089	145.0	Premium	15.0	0.900	4000	80.0
RHB1-LED150-H-5K-XXX-DIM-[Blank, DMS]-PCL	120-347	152	22332	146.5	Premium	15.0	0.900	5000	80.0
RHB1-LED150-B-4K-XXX-DIM-[Blank, DMS]-PCL	120-277	150	21791	145.8	Premium	15.0	0.900	4000	80.0
RHB1-LED150-B-5K-XXX-DIM-[Blank, DMS]-PCL	120-277	150	22030	147.3	Premium	15.0	0.900	5000	80.0
RHB2-LED240-H-4K-XXX-DIM-[Blank, DMS]-PCL	120-347	247	35864	145.3	Premium	15.0	0.900	4000	80.0
RHB2-LED240-H-5K-XXX-DIM-[Blank, DMS]-PCL	120-347	247	36296	146.8	Premium	15.0	0.900	5000	80.0
RHB2-LED240-B-4K-XXX-DIM-[Blank, DMS]-PCL	120-277	238	34987	146.7	Premium	15.0	0.900	4000	80.0
RHB2-LED240-B-5K-XXX-DIM-[Blank, DMS]-PCL	120-277	239	35487	148.8	Premium	15.0	0.900	5000	80.0
RHB3-LED300-B-4K-XXX-DIM-[Blank, DMS]-TG	120-277	302	44765	148.4	Premium	15.0	0.900	4000	80.0
RHB3-LED300-B-5K-XXX-DIM-[Blank, DMS]-TG	120-277	302	45215	149.9	Premium	15.0	0.900	5000	80.0
RHB3-LED300-C-4K-XXX-DIM-[Blank, DMS]-TG	347	299	42899	143.6	Premium	15.0	0.900	4000	80.0
RHB3-LED300-C-5K-XXX-DIM-[Blank, DMS]-TG	347	300	43272	144.5	Premium	15.0	0.900	5000	80.0

LEGEND
B - 120V-277V, C - 347V, H - 120-347V
4K - 4000K, 5K - 5000K
XXX - HOUSING FINISH
DIM - DIMMABLE
PCL - Polycarbonate lens, TG Tempered Glass

AMPERAGE DRAW & SURGE PROTECTION

CURRENT (A)							SURGE PROTECTION (KV)	
WATTS		120	208	240	277	347	120-277	120-347
RHB1-LED100	100	0.875	0.505	0.438	0.379	0.303	6	6
RHB1-LED150	150	1.313	0.757	0.656	0.569	0.454	6	6
RHB2-LED240	240	2.100	1.212	1.050	0.910	0.726	6	6
RHB3-LED300	300	2.625	1.514	1.313	1.137	0.908	6	6

LUMEN MAINTENANCE

Hours	50,000	75,000	100,000
RHB1-LED100	90.3%	85.7%	81.4%
RHB1-LED150	90.3%	85.7%	81.4%
RHB2-LED240	90.3%	85.7%	81.4%
RHB3-LED300	90.3%	85.7%	81.4%

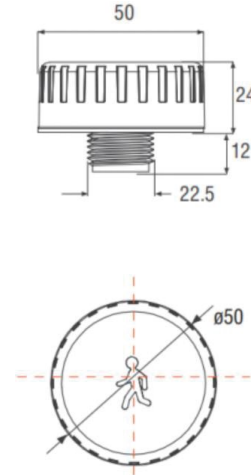
MOTION SENSOR SPECIFICATIONS

RHB DIMMING HIGH FREQUENCY MOTION SENSOR



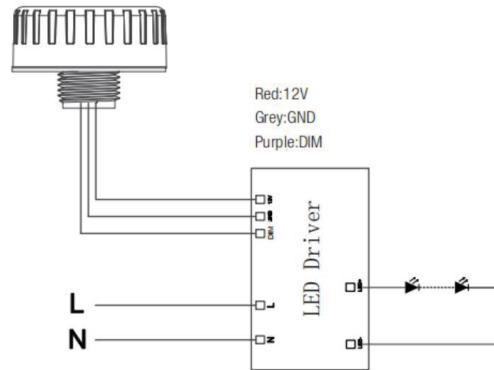
FEATURES AND DIMENSIONS

Mounting height	Max. 15m (ceiling mounted)
Detection range	Max.ø14m (ceiling mounted) ; Max.ø20m (wall mounted)
Microwave frequency	5.8G±75MHz
Microwave power	<0.3mW
Operating voltage	10-15VDC
Operating current	30mA±5%
Output	DIM 1-10V
Stand-by power	<0.5W
Detection area	25%/50%/75%/100%
Hold time	5s/30s/1min/3min/5min/10min/20min/30min
Daylight threshold	2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable
Stand-by period	0s/10s/30s/1min/5min/10min/30min/+∞
Stand-by dimming level	10%/20%/30%/50%
Operating temperature	-20°C - +60°C
Detection angle	30°-150°
Warranty	5 years
IP rating	IP 65
Lifetime	50000 hours



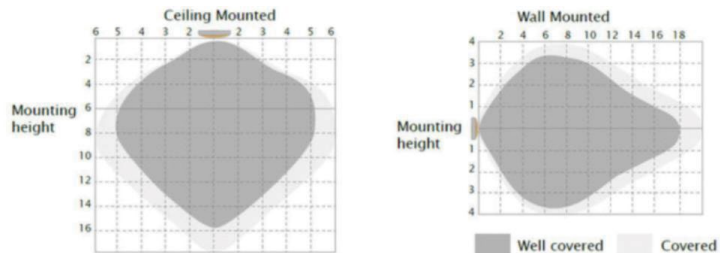
WIRING DIAGRAM

The motion sensor socket comes preinstalled and wired with the RHB-LED luminaire. The wiring diagram is as follows.



DETECTION PATTERN

Depending on the fixture and its application, the detection pattern may change slightly. When installed at a typical installation height of 8-15m and with 100% sensitivity, the detection pattern will be as shown on the images



MOTION SENSOR SPECIFICATIONS

RHB DIMMING HIGH FREQUENCY MOTION SENSOR



SENSOR SETTINGS USING REMOTE CONTROL

Scene Mode:

These are pre-set scenes for quick setup of the motion sensor.

Scene mode	Detection area	Hold time	Daylight threshold	Stand-by period	Stand-by dimming level
SC1	100%	30s	2Lux	1min	10%
SC2	100%	5min	10Lux	10min	10%
SC3	100%	10min	50Lux	30min	10%
SC4	100%	30min	Disable	+∞	10%

Detection Area:

This determines the range which the sensor will detect motion. Detection area can be changed by selecting 25% / 50% / 75% / 100%

Default Setting: 100%

Hold Time:

Refers to the time period the light remains at 100% when motion is first detected.

Default Setting: 5 seconds

Standby Dimming Level:

Refers to the dimmed light level after the hold time expires and no motion is detected.

Default Setting: 10%

Stand-by Period

Refers to the time period the light remains at a low light level before it completely switches off in the long absence of motion.

When set to “+∞” mode, the low dimmed light is maintained indefinitely until motion is detected again.

Default Setting: 0 seconds

Daylight Sensor

The sensor can be set to only allow the fixture to illuminate below a defined ambient brightness threshold. When set to “Disable”, the daylight sensor will not sense any ambient light and the motion sensor will switch on the lamp when motion is detected regardless of ambient light level.

Default Setting: Disabled

ORDERING GUIDE

			BLK	DIM	
WATTS	VOLTAGE	COLOUR TEMP.	FINISH	DIM	LENS
RHB1 - LED100	B - 120 - 277V*	4K - 4000K*	BLK - BLACK	DIM - 0-10V Dimming	PCL - Polycarbonate Lens (for RHB1/2)
RHB1-LED150	H - 120-347V	5K - 5000K*			
RHB2-LED240					
RHB3-LED300	B-120-277V C-347V				TG - TEMPERED GLASS (for RHB3)

FIELD INSTALLED ACCESSORIES

CHECK THE ACCESSORIES YOU WISH TO ORDER:

080564 RHB1 YOKE BLK	080587 RHB3 YOKE BLK
080565 RHB1 ALUMINUM REFLECTOR	080588 RHB3 ALUMINUM REFLECTOR
080567 RHB1 PC REFLECTOR	080598 RHB PC REFLECTOR COVER & RING
080577 RHB2 YOKE BLK	080570 RHB1/RHB2/RHB3 DC MOTION SENSOR
080566 RHB2 ALUMINUM REFLECTOR	080571 RHB1/RHB2/RHB3 SENSOR REMOTE CONTROL
080568 RHB2 PC REFLECTOR	

*Standard