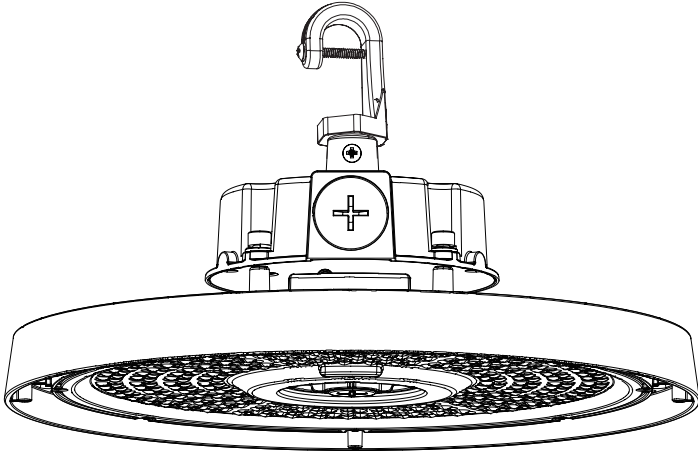


INSTALLATION INSTRUCTIONS

ACE LED ROUND HIGH BAY (AR1)



Fixtures must be installed and wired in accordance with the National Electrical Code (NEC) and all applicable local codes by a person familiar with the construction and operation of the product and hazards involved.

Proper grounding is required for safety.

Check that voltage is compatible with fixture driver, use approved connectors for all electrical connections.

Be cautious of any sharp edges. Wear proper PPE (personal protected equipment) while handling.

Fixture not suitable for use in corrosive environments, and with thermal insulation.

Must use appropriate strain relief in accordance with local code when connecting power cord to junction box.

READ CAREFULLY BEFORE INSTALLING THE FIXTURE.

PLEASE KEEP THIS MANUAL FOR FUTURE USE.



WARNING

Risk of Fire or Electric Shock

Risk of fire or electric shock. Make sure power is off at the circuit breaker before installing or maintaining the product.

To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

Installation guide requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

Never perform maintenance or cleaning while fixture is energized. Disconnect power and allow fixture to cool off before maintaining.



MAINTENANCE CAUTION

Review the diagrams before beginning and make sure the fixture is grounded properly.

For lighting controls, use driver wiring diagram.

Maintenance must be done by qualified electricians.

Use a clean, dry cloth to clean the fixture.

For any questions regarding wiring, installation, or use of this fixture, please call 559-485-6010 or email techsupport@linmoreled.com

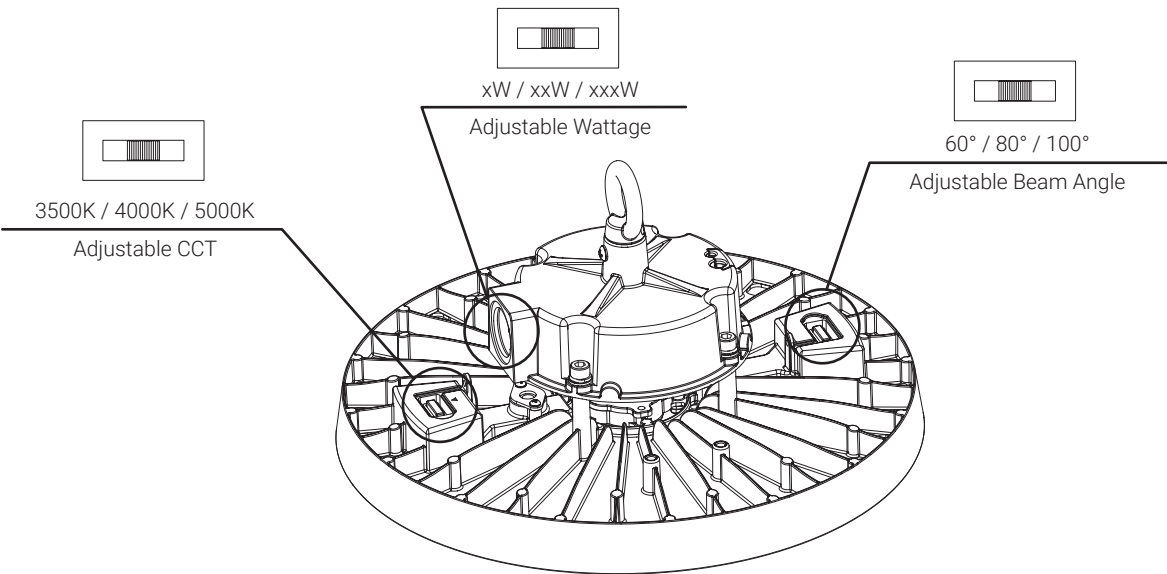
TECHNICAL SPECS

Part No.	Watts (ADJ)	Size	CCT (ADJ)	CRI	Input Voltage	PF	Dimmable	Warranty
AR10S-A2-ADJ-SM-ADJ-80-ADJ-LV-FXT-S-10V	75 / 100 / 150	SM	3500K 4000K 5000K	≥80	AC 120-277V	≥0.9	0-10V	5 Years
AR10S-A2-ADJ-MD-ADJ-80-ADJ-LV-FXT-S-10V	150 / 200 / 240	MD			AC 277-480V			

Ambient range operation: -40°C up to 50°C (-40°F up to 122°F).

Adjusting Wattage, Color Temperature, and Beam Angle

Fixtures ship from the factory with the highest wattage, 5000K CCT, and 100° beam angle.



Wattage / Lumen Output

Size	Watts	60° Beam Angle	80° Beam Angle	100° Beam Angle
SM	75	10,500 lm	11,350 lm	10,650 lm
	100	14,000 lm	15,150 lm	14,200 lm
	150	21,000 lm	22,700 lm	21,300 lm
MD	150	21,875 lm	23,625 lm	22,000 lm
	200	29,150 lm	31,500 lm	29,350 lm
	240	35,000 lm	37,800 lm	35,200 lm

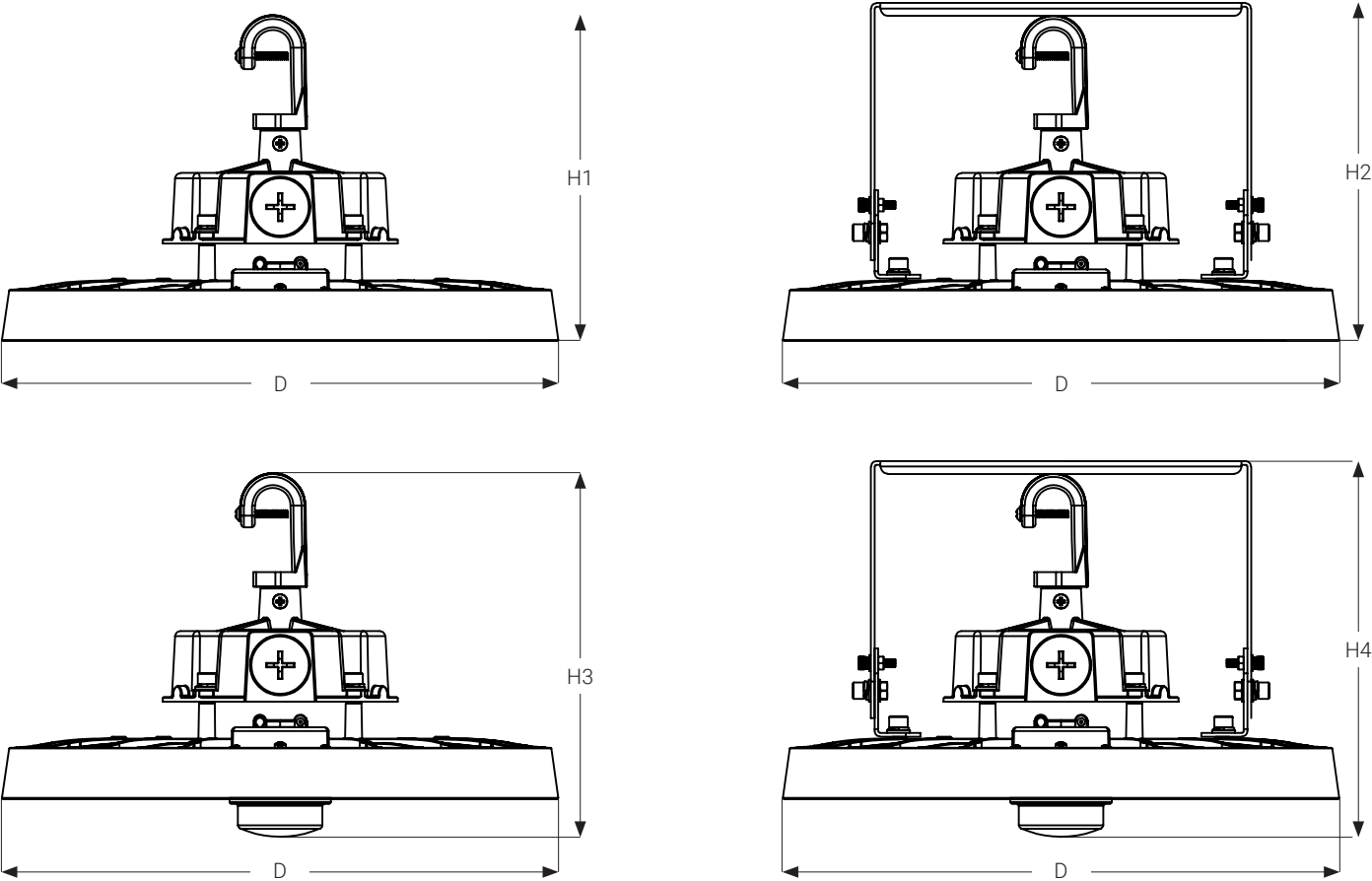
CCT

Size	CCT	Lumen Multiplier
SM	3500K	0.952
	4000K	1.000
	5000K	0.957
LG	3500K	0.931
	4000K	1.000
	5000K	0.963

Typical lumen output (±10%) at 4000K CCT and 277V (LV) under 25°C ambient temperature.

TECHNICAL SPECS

Dimensions



Size	D	H1	H2	H3	H4	Weight
SM	11.81"	7.01"	7.24"	8.80"	8.07"	~5.5lbs
MD	14.17"	6.93"	8.07"	7.76"	8.90"	~7.3lbs

Dimension tolerances: ± 0.2". Weight without bracket and sensor. Weights are approximate, if weight is a concern, please contact factory.

TECHNICAL SPECS

Cautions

Do not use any electric generator to test the LED fixture.

Fixtures must be wired in accordance with the National Electrical Code (NEC) and all applicable local codes.

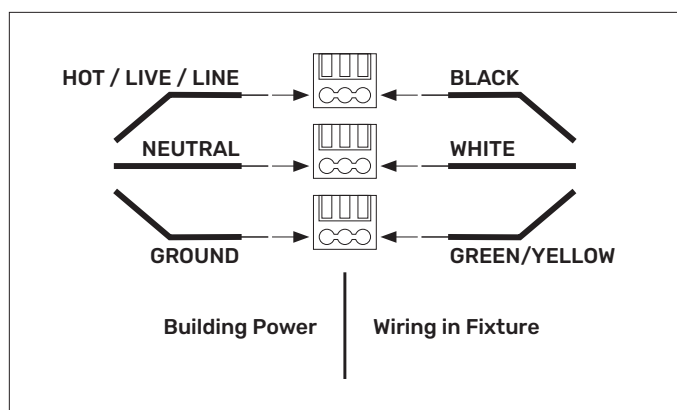
Make sure power is off at the circuit breaker before installation or maintenance.

Proper grounding is required to ensure safety.

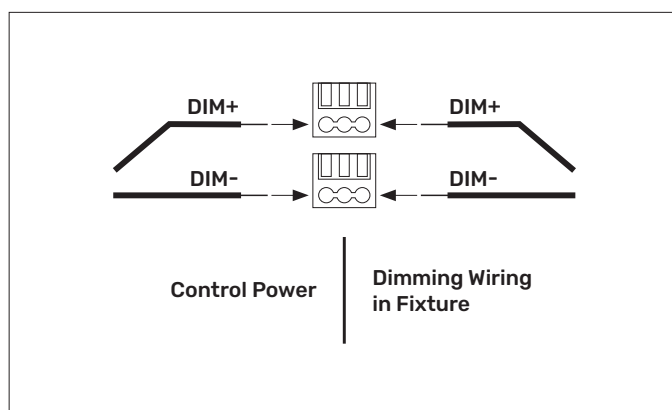
Notes

Must use appropriate water proof strain relief bushing in accordance with local code when connecting power cord to junction box.

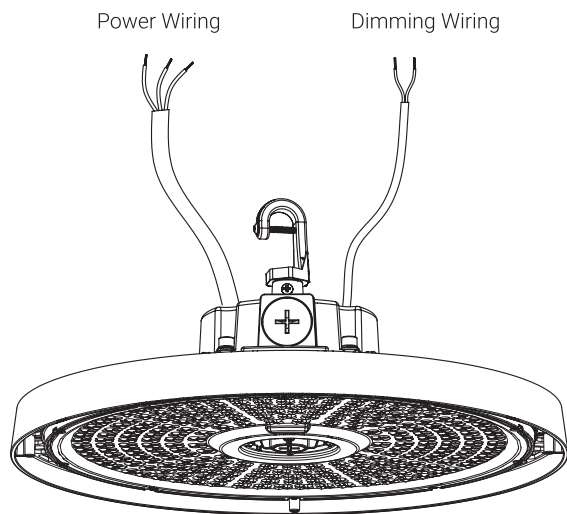
NORMAL POWER WIRING



DIMMING WIRING



Check the label in the fixture for DIM+ and DIM- wire color.



Recommended Dimmers (0-10V)

Brand	Model
Lutron	NTSTV-DV
Leviton	DS710-10Z / IP710
Legrand	RH4FBL3PW



The fixture can not be connected to an additional dimming device when equipped with an occupancy sensor.

INSTALLATION GUIDE

Suspension Mounting

Hook is included with the fixture.

1. Screw the hook into the fixture, tighten and fix it. (Figure 1)
2. Hang the fixture on the ceiling hook or chain. (Figure 2)
3. Connect the fixture's power wiring to the mains in accordance with local wiring rules.
4. Ensure all connections are secure, stable, and properly insulated.

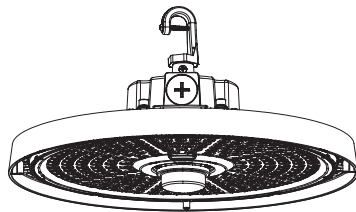


Figure 1

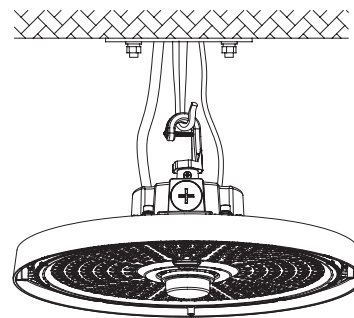


Figure 2

Pendant Mounting (Stem)

Requires bracket, sold separately as an accessory (AR1-SFMK).

1. Unscrew the nuts on 1/2" NPT. (Figure 3)
2. Insert 1/2" NPT stem into the bracket hole. (Figure 4)
3. Re-screw the nuts.
3. Connect the fixture's power wiring to the mains in accordance with local wiring rules.
4. Ensure all connections are secure, stable, and properly insulated.



Figure 3

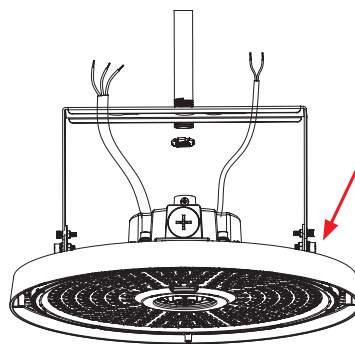


Figure 4

By adjusting the brackets screws, users can adjust 50° to the left or right vertically.



Pendant Mounting is not compatible with Emergency Battery Backup

INSTALLATION GUIDE

Surface Mounting

Requires bracket, sold separately as an accessory (AR1-SFMK).

1. Mark the mounting points on the surface (Figure 5) and drill holes.
2. Place screws or wall plugs into the holes and tap them in with a hammer (Figure 6)
3. Align the bracket holes with the screws (Figure 7), slide the fixture slightly to one side to lock it (Figure 8), then tighten.
4. Wire the fixture to the mains according to local codes. Ensure a secure, protected connection.
5. Adjust the fixture up to 50° left or right by loosening and retightening the bracket screws. (Figure 9)

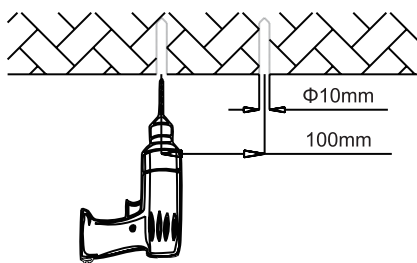


Figure 5

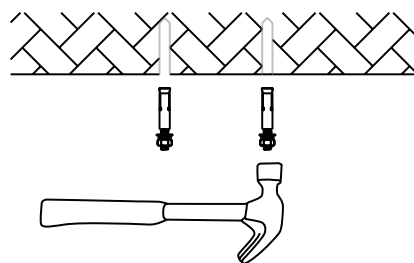


Figure 6

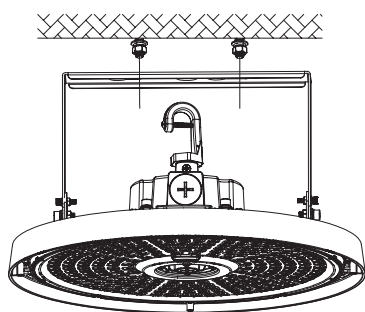


Figure 7

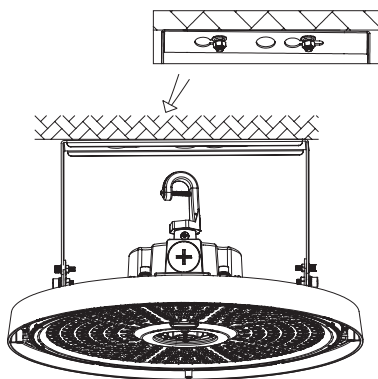


Figure 8

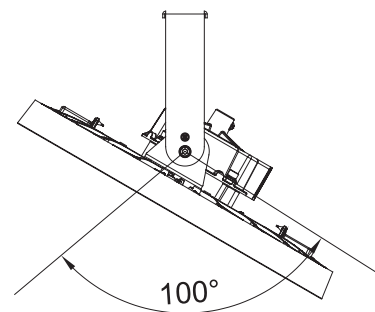


Figure 9

ACCESSORY INSTALLATION

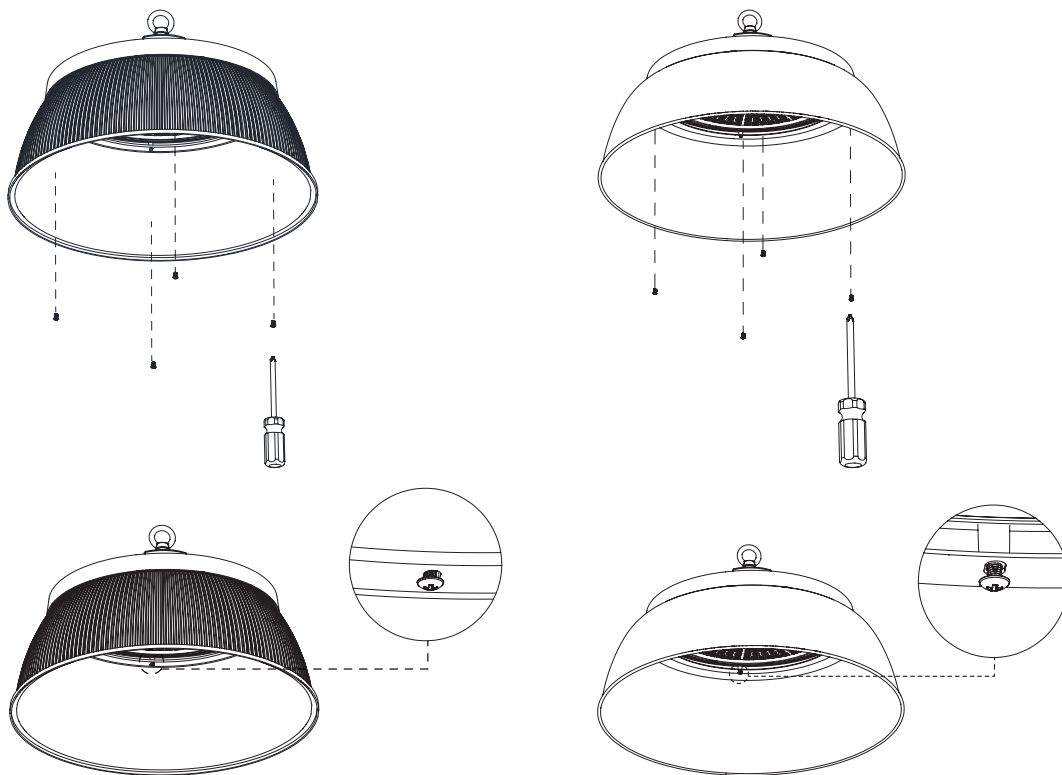
Reflector Installation

Optional. Sold separately as an accessory (AR1-REF-AL-xx, AR1-REF-PC-xx). Where xx is the size of the fixture: MD or LG.

1. Lock the PC reflector or Aluminum reflector to the fixture with screws.



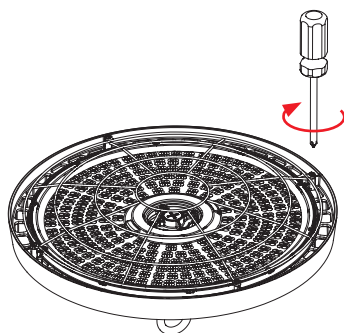
Make sure to purchase the correct size reflector for the fixture.



Wire Guard Installation

Sold separately as an accessory.

1. Place the wire guard on the fixture and secure it with screws.



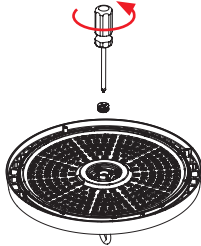
Make sure to purchase the correct size wire guard for the fixture.

AR1-WG-SM for 75/100/150W model
AR1-WG-MD for 150/200/240W model

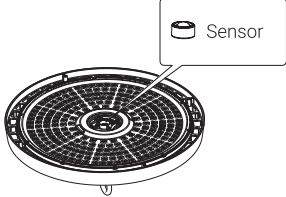
ACCESSORY INSTALLATION

Lighting Controls


1. Remove the cover from the Sensor Socket.



2. Rotate the sensor clockwise into the socket, ensuring a secure connection. Do not over tighten.

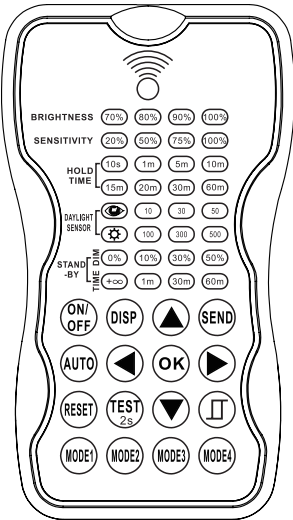




3. Set programming using remote control.



 The fixture can not be connected to an additional dimming device when equipped with a PIR occupancy sensor.

DEFAULT SETTINGS
For PIR and MW Sensors: Sensitivity=100%, Hold time=5min, Daylight sensor=disabled, Stand-by dim level=30%, Stand-by time=60min.



INFRARED REMOTE PROGRAMMER			
Required to change default settings, modes of operation, and sensitivity.			
Brightness	Light output during occupancy (70%, 80%, 90%, 100%).		Daylight harvesting function. Selects the current surrounding lux value as the daylight threshold.
Sensitivity	Detection area of the sensor (20%, 50%, 75%, 100%).		Daylight sensor disabled. All motion detected turns on the light, no matter how bright the natural light is.
Hold Time	Time the sensor waits to turn off or dim the light after the area is vacated.	Stand-by Dim	Light output during vacancy (0%, 10%, 30%, 50%).
Daylight Sensor	Daylight sensor status and daylight threshold values in lux.	Stand-by Time	Time the sensor keeps the light at stand-by dim level after the hold time has elapsed.

Scene Modes
The remote comes with four pre-programmed modes. These can be used as is, or adjusted with different parameters and saved over an existing mode.

Scene	Application	Brightness	Sensitivity	Hold Time	Stand-by Dim	Stand-by Time	Daylight Sensor
MODE 1	Indoor	100%	75%	5min	30%	30min	Disabled
MODE 2	Indoor	100%	75%	1min	30%	+∞	Disabled
MODE 3	Indoor	100%	75%	5min	30%	30min	30lux
MODE 4	Outdoor	100%	75%	1min	30%	+∞	30lux/300lux