HB-ELITE
SPEC SHEET

HB-ELT

CE	IP20	c(UL)us LISTED	DLC PREMIUM

HB-Elite is a CCT selectable and wattage selectable LED linear high bay featuring a super compact design with die-cast housing with powder coated paint. Standard 6KV surge protection provides steady performance, even under poor power conditions. Occupancy senor, remote controller, and emergency battery backup options available. The HB-Elite is ideal for warehouse, storage, industrial facilities, sports facilities, gyms and more.

Available in 105/130/155W, 155/180/210W, or 240/270/310W models, with CCT selectable options for 4000K/5000K. High quality polycarbonate lens provides soft, even light to the environment.

V **120-347 VAC / 277-480 V (HV)**
Operating Voltage

W **105/130/155W | 155/180/210W | 240/270/310W**
Rated Power

FEATURES

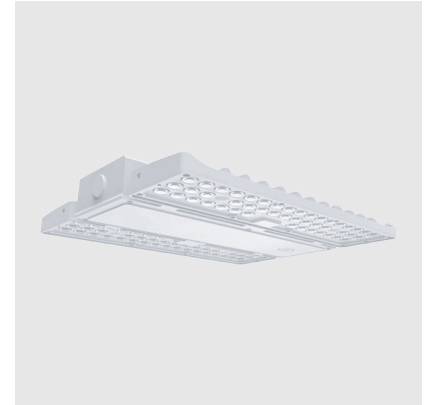|	
OPERATING VOLTAGES	120-347 VAC (CUNV) / 277-480V (HV)
OPERATING TEMPERATURE	-40°C to 50°C / -40°F to 122°F
LAMP LIFE	L70 > 75,000 hrs
CONTROL	0-10V Dimming, down to 10%
COLORS	CCT Selectable 4000K, 5000K
WARRANTY	DLC Premium, UL Listed, and CE with 6 year warranty

ELECTRICAL DATA

AVAILABLE WATTAGES	105/130/155W	155/180/210W	240/270/310W
EFFICACY	150 Lm / W
RATED POWER	>0.9
CRI	>80Ra
STANDARD POWER CABLE	40cm (15.75")
SURGE PROTECTION	6KV Surge Protection Standard

HB-ELITE
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YYZ LIGHTING

HB-ELT-155W

PRODUCT INFORMATION   155W (Selectable)

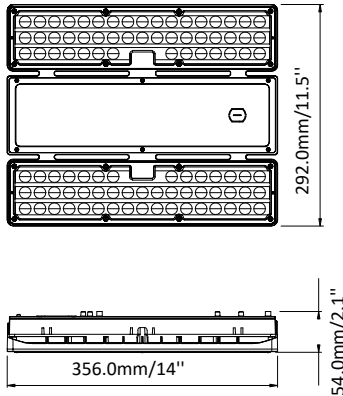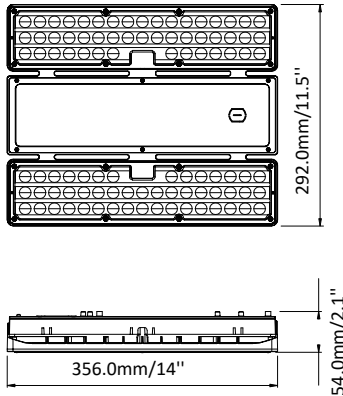|	
INSTALLATION	Suspended
MATERIAL	Die-cast Aluminum
FINISH	Powder Coat White
SYSTEM POWER (W)	105 / 130 / 155W
FIXTURE LUMEN OUTPUT (lm)	15750 / 19500 / 23250
SYSTEM EFFICIENCY (lm/W)	150
LED DRIVER	OEM Driver
LED ENGINE	SMD2835 LED

PACKAGING

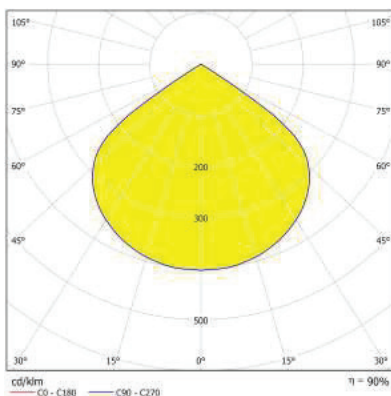|	
NEW WEIGHT LAMP (kg/lb)	2.5 / 5.5
GROSS WEIGHT CARTON (kg/lb)	5.4 / 11.9
MASTER CARTON DIMENSIONS (mm/in)	405x134x330 / 15.95x5.28x12.99
QUANTITY PER CARTON	2

ORDERING LOGIC

PRODUCT SERIES	TYPE	VOLTAGE	POWER	CRI	COLOR TEMPERATURE	DIMMING	BEAM ANGLES	SIZE	FINISH	MOUNTING	ACCESSORIES
HB	ELT	CUNV - 120-347V	155W - 155 WATTS	80 - 80+	(CT 40) 4000K (Selectable)	DIM - 0-10V	105D - 105°	1F - 1 Foot (14")	WH - WHITE	SP - Suspended (Standard - 1m/39" cable)	NA - No Accessories
		HV - 277-480V			(CT 50) 5000K (Selectable)					CM - Ceiling Mount	CON - Continuous Run Connector Kit
										PM - Pendant Mount	OS - Occupancy Sensor
											RC - Remote Control (for Occupancy Sensor Only)
											EB1 - Emergency Battery (CUNV Only)
											WG1 - Wire Guard

Sample: HB-ELT-CUNV-155W-80-CT40-DIM-105D-1F-WH-SP-NA

DIMENSIONS

292.0mm/11.5"

54.0mm/2.1"

356.0mm/14''

DIAGRAM

cd/klm
C0 - C180   C90 - C270   η = 90%

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YYZ LIGHTING
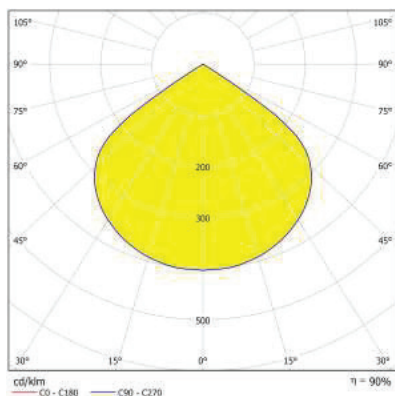
HB-ELT-210W

PRODUCT INFORMATION

210W (Selectable)

INSTALLATION	Suspended
MATERIAL	Die-cast Aluminum
FINISH	Powder Coat White
SYSTEM POWER (W)	155 / 180 / 210W
FIXTURE LUMEN OUTPUT (lm)	23250 / 27000 / 31500
SYSTEM EFFICIENCY (lm/W)	150
LED DRIVER	OEM Driver
LED ENGINE	SMD2835 LED

PACKAGING

NEW WEIGHT LAMP (kg/lb)	2.5 / 5.5
GROSS WEIGHT CARTON (kg/lb)	5.4 / 11.9
MASTER CARTON DIMENSIONS (mm/in)	405x134x330 / 15.95x5.28x12.99
QUANTITY PER CARTON	2

ORDERING LOGIC

PRODUCT SERIES	TYPE	VOLTAGE	POWER	CRI	COLOR TEMPERATURE	DIMMING	BEAM ANGLES	SIZE	FINISH	MOUNTING	ACCESSORIES	
HB	ELT	CUNV - 120-347V	210W - 210 WATTS	80 - 80+	(CT 40) 4000K (Selectable)	DIM - 0-10V	105D - 105°	1F - 1 Foot (14")	WH - WHITE	SP - Suspended (Standard - 1m/39" cable)	NA -	No Accessories
		HV - 277-480V			(CT 50) 5000K (Selectable)					CM - Ceiling Mount	CON -	Continuous Run Connector Kit
										PM - Pendant Mount	OS -	Occupancy Sensor
											RC -	Remote Control (for Occupancy Sensor Only)
											EB1 -	Emergency Battery (CUNV Only)
											WG1 -	Wire Guard

Sample: HB-ELT-CUNV-210W-80-CT40-DIM-105D-1F-WH-SP-NA

DIMENSIONS

292.0mm/11.5"

54.0mm/2.1"

356.0mm/14"

DIAGRAM

105° · 105°
90° · 90°
75° · 75°
60° · 60°
45° · 45°
200
300
500
30° · 15° · 0° · 15° · 30°
cd/klm
C0 - C180   C90 - C270
η = 90%

HB-ELITE
SPEC SHEET

YYZ LIGHTING

HB-ELT-310W

PRODUCT INFORMATION — 310W (Selectable)

INSTALLATION	Suspended
MATERIAL	Die-cast Aluminum
FINISH	Powder Coat White
SYSTEM POWER (W)	240 / 270 / 310W
FIXTURE LUMEN OUTPUT (lm)	36000 / 40500 / 46500
SYSTEM EFFICIENCY (lm/W)	150
LED DRIVER	OEM Driver
LED ENGINE	SMD2835 LED

PACKAGING

NEW WEIGHT LAMP (kg/lb)	3.3 / 7.3
GROSS WEIGHT CARTON (kg/lb)	7.1 / 15.7
MASTER CARTON DIMENSIONS (mm/in)	570x134x330 / 22.44x5.28x12.99
QUANTITY PER CARTON	2

ORDERING LOGIC

PRODUCT SERIES	TYPE	VOLTAGE	POWER	CRI	COLOR TEMPERATURE	DIMMING	BEAM ANGLES	SIZE	FINISH	MOUNTING	ACCESSORIES
HB	ELT	CUNV - 120-347V	310W - 310 WATTS	80 - 80+	(CT 40) 4000K (Selectable)	DIM - 0-10V	105D - 105°	2F - 2 Foot (20.5")	WH - WHITE	SP - Suspended (Standard - 1m/39" cable)	NA - No Accessories
		HV - 277-480V			(CT 50) 5000K (Selectable)					CM - Ceiling Mount	CON - Continuous Run Connector Kit
										PM - Pendant Mount	OS - Occupancy Sensor
											RC - Remote Control (for Occupancy Sensor Only)
											EB1 - Emergency Battery (CUNV Only)
											WG2 - Wire Guard

Sample: HB-ELT-CUNV-310W-80-CT40-DIM-105D-2F-WH-SP-NA

DIMENSIONS

292.0mm/11.5"

54.0mm/2.1"

520.0mm/20.5''

DIAGRAM

cd/klm
C0 - C180   C90 - C270
η = 90%
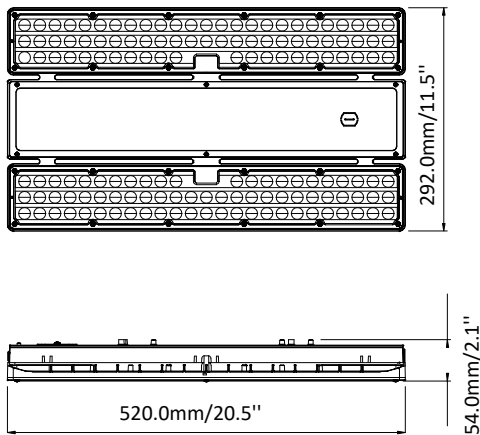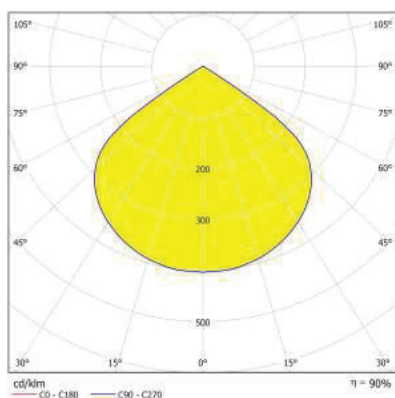
MOUNTING ACCESSORIES

SP SUSPENSION MOUNT (STANDARD)

CM SURFACE MOUNT

PM PENDANT MOUNT

DIMENSIONS

105/130/155W & 155/180/210W

292.0mm/11.5"

356.0mm/14"

54.0mm/2.1"
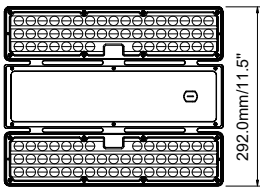
Net Weight: 2.5kgs/5.5Lbs

WITH SENSOR

292.0mm/11.5"

356.0mm/14"

54.0mm/2.1"

75.2mm/3.0"
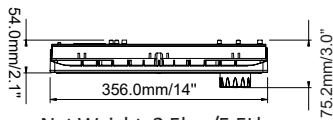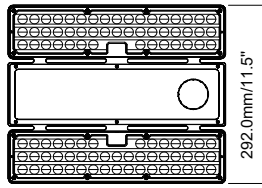
Net Weight: 2.5kgs/5.5Lbs

WITH EMERGENCY DRIVER

292.0mm/11.5"

356.0mm/14"

54.0mm/2.1"

94.6mm/3.7"
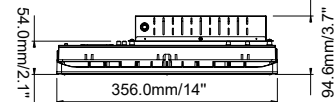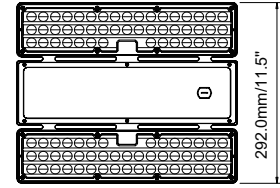
Net Weight: 2.5kgs/5.5Lbs

240/270/310W

292.0mm/11.5"

520.0mm/20.5"

54.0mm/2.1"
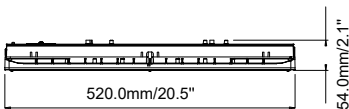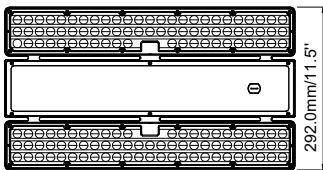
Net Weight: 3.3kgs/7.3Lbs

WITH SENSOR

292.0mm/11.5"

520.0mm/20.5"

54.0mm/2.1"

75.2mm/3.0"
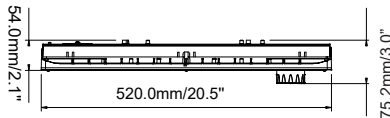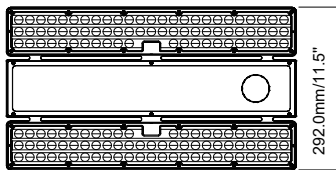
Net Weight: 3.3kgs/7.3Lbs

WITH EMERGENCY DRIVER

292.0mm/11.5"

520.0mm/20.5"

54.0mm/2.1"

91.6mm/3.6"
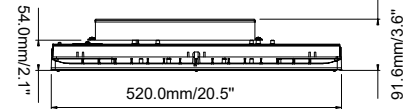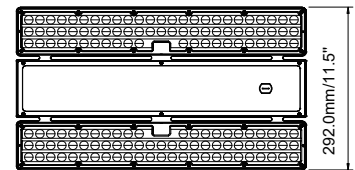
Net Weight: 3.3kgs/7.3Lbs

ACCESSORIES

OCCUPANCY SENSOR

REMOTE CONTROL

WIRE GUARD

CONTINUOUS RUN CONNECTOR KIT
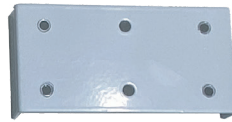
EMERGENCY DRIVERS

EB1
105/130/155W

25W	CUNV

EB2
155/180/210W
240/270/310W

40W	CUNV

PRE-INSTALLATION

1. Be careful to open the carton, contact us if any damage.

2. This product must be installed in accordance with the applicable building code(s) by a person familiar with the construction and operation of the product and the hazards involved.

3. Caution - risk of shock; disconnect power before servicing when photoelectric switch provided.

4. Please check whether the voltage marked on the luminaire is consistent with the input voltage to be connected, so as not to damage the LED luminaire.

5. To ensure the lifetime of the product, please do not use install in caustic environments.

6. Make sure the installation position can withstand 10 times the weight of the luminaire before installation. Install fixture in a level position, in a place free from vibration, potential swing, or fire hazard.

INSTALLATION SUSPENDED MOUNTING (STANDARD)
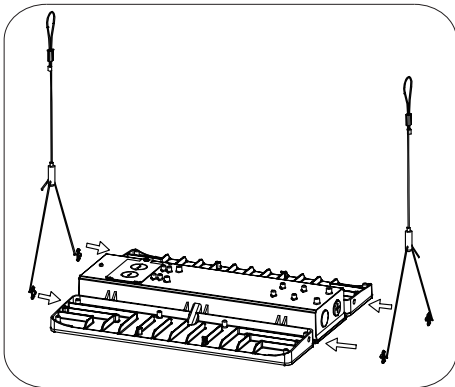
1. Install hangers into the fixture
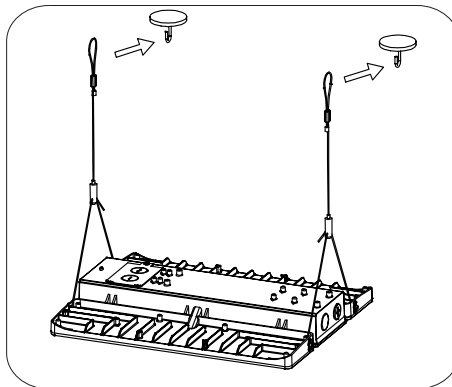
2. Suspend hangers from the ceiling anchors
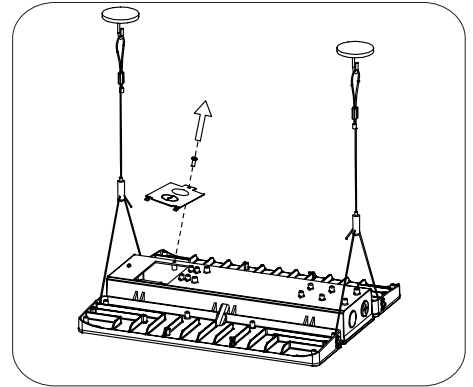
3. Remove the screws and remove the cover
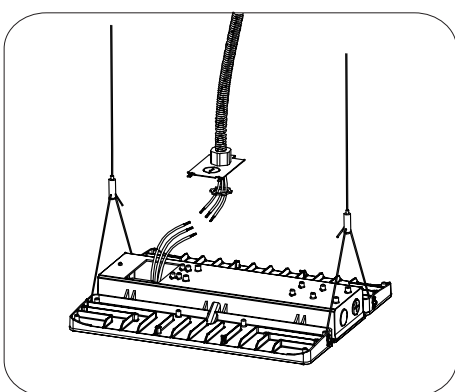
4. Wire as required, taking any necessary safety precautions
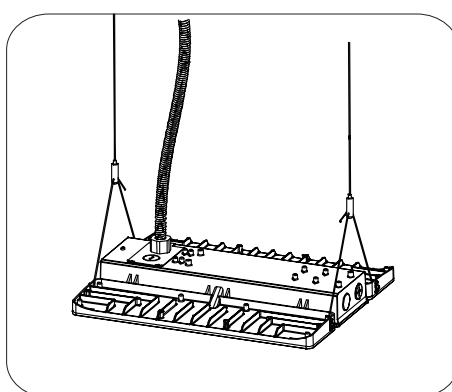
5.lock the lid
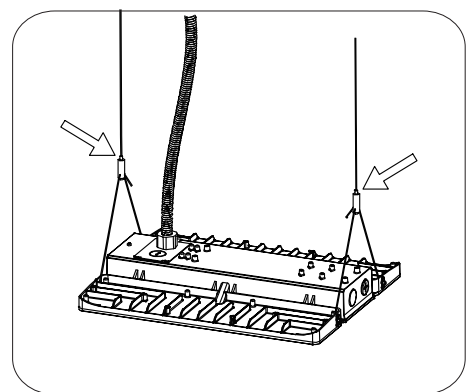
6. Press button to adjust to the required length and complete the installation

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INSTALLATION SURFACE MOUNTING
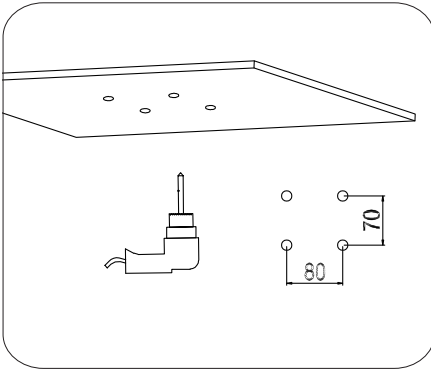
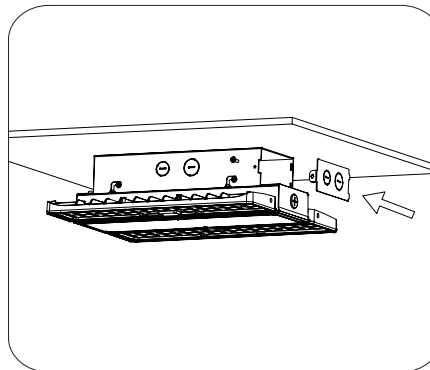1. Drill holes according to ceiling and size requirements
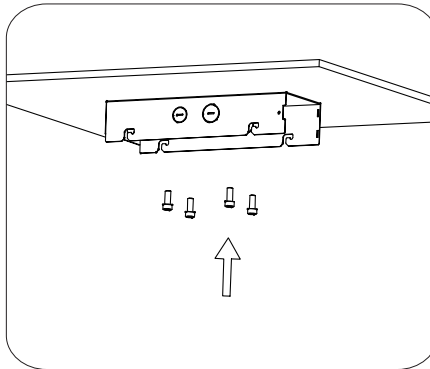
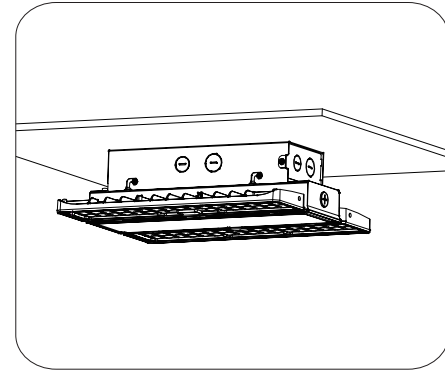2. Mount the bracket to the ceiling
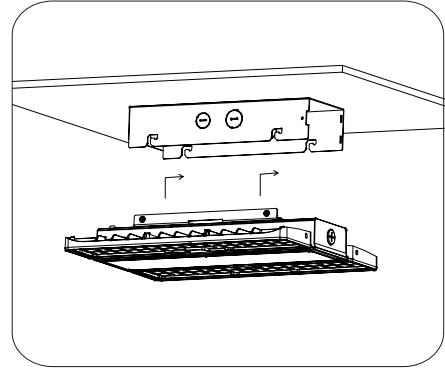
3. Install the light into the ceiling bracket and tighten the screws
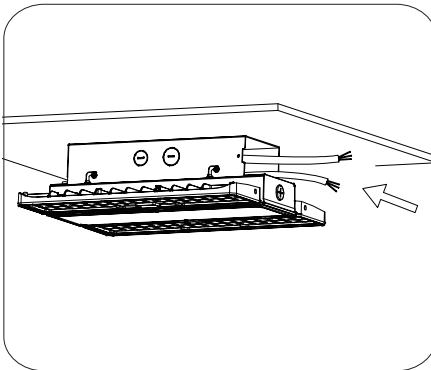
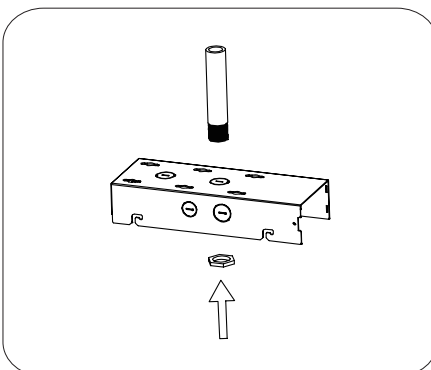4. Wire as required, taking any necessary safety precautions
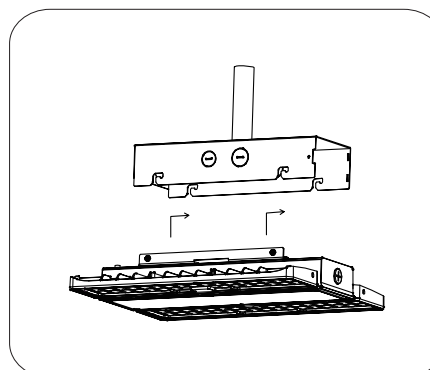

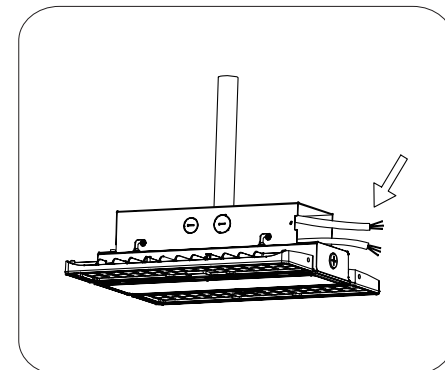5. Close the cover and tighten the screws

6. Complete installation

INSTALLATION PENDANT MOUNTING
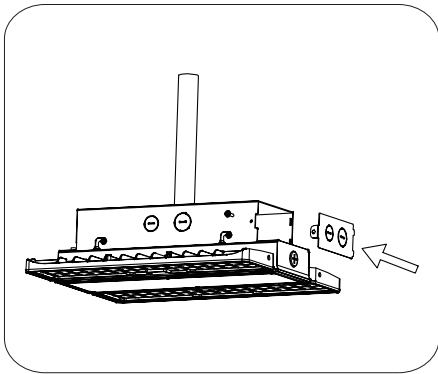

1. Install the ceiling bracket on the 3/4"pipe

2. Install the light into the ceiling bracket and tighten the screws

3. Wire as required, taking any necessary safety precautions
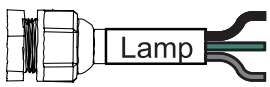
INSTALLATION PENDANT MOUNT (CONTINUED)

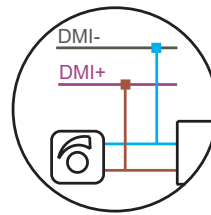4. Close the cover and tighten the screws
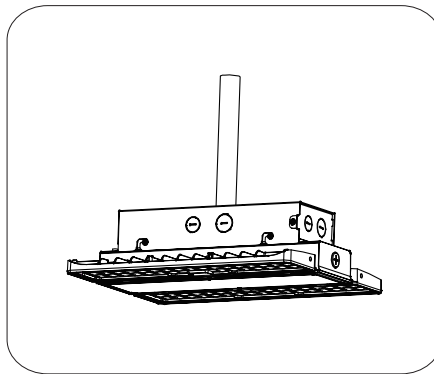
5. Complete installation

WIRING DIAGRAM

Lamp

L-black
GND-green
N-white

AC120 - 277/347V   50/60Hz
AC277- 480V   50/60Hz

DMI-
DMI+

Dimmer connect the wires:
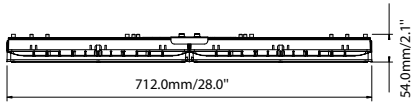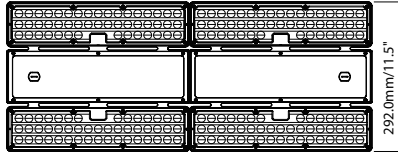DMI+match DMI+;
DMI - match DMI-

SHIPPING & WAREHOUSING

1. Avoid excess vibration and shaking of fixture during transportation, handle carefully when unloading.
2. Recommended storage temperature of -10~ +60°C, in a dry environment.

TROUBLESHOOTING

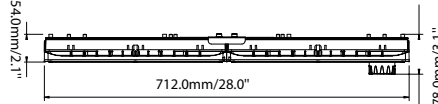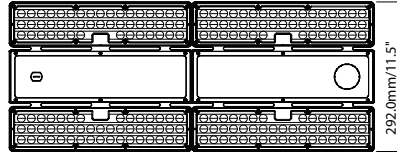| PROBLEM	POSSIBLE CAUSE	SOLUTION
Light will not turn on	A. Light switch is turned off. B. Fuse is blown or circuit breaker is turned off. C. Incorrect circuit wiring	A. Turn light switch on. B. Replace fuse or turn circuit breaker on. C. Verify that fixture is wired properly.

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TANDEM MOUNTING

105/130/155W & 155/180/210W

292.0mm/11.5"
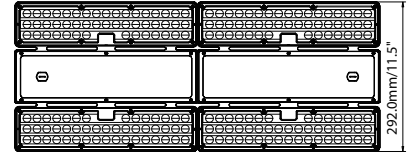
712.0mm/28.0"

54.0mm/2.1"

Net Weight: 5.2kgs/11.5Lbs

WITH SENSOR

292.0mm/11.5"

712.0mm/28.0"

54.0mm/2.1"

78.0mm/3.1"

Net Weight: 5.2kgs/11.5Lbs

WITH EMERGENCY DRIVER

292.0mm/11.5"

712.0mm/28.0"

54.0mm/2.1"

93.6mm/3.7"
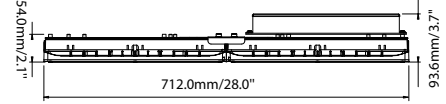
Net Weight: 5.2kgs/11.5Lbs

240/270/310W

292.0mm/11.5"

1040.0mm/40.9"

54.0mm/2.1"
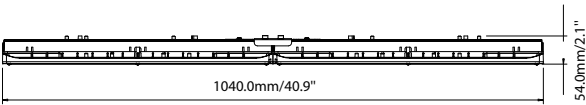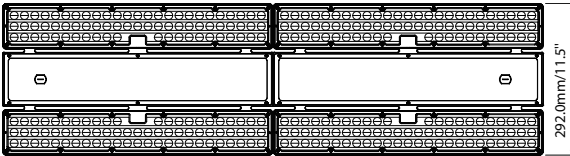
Net Weight: 6.8kgs/15.0Lbs

WITH SENSOR

292.0mm/11.5"

1040.0mm/40.9"

54.0mm/2.1"

Net Weight: 6.8kgs/15.0Lbs