LED Parking Garage Light

Hale Series

Hale Series

Beyond LED's Hale Series Parking garage fixture is the most economical fixture of its kind. At Beyond LED we know every parking garage application is unique. To that end our approach is to apply a total space evaluation to understand what you want to accomplish so we can design a lighting solution for the total parking garage space. Hale fixtures offer high-performance, energy-efficiency, and the best technology to deliver parking garage lighting for optimum "sealability", safety and security. Beyond LED products are supported by pre-sale & post-sale, service and layout assistance.

- Up to 130 Lumens per watt
- Quick and easy mounting and installation
- Die Cast Aluminum Housing
- 1/2" conduit entries on two sides
- 3/4" conduit entry on top for pendant mounting
- IP65 Waterproof Rated
- Universal 100-277Vac

Beyond LED Technology | 1939 Parker Ct, Stone Mountain, GA, 30087

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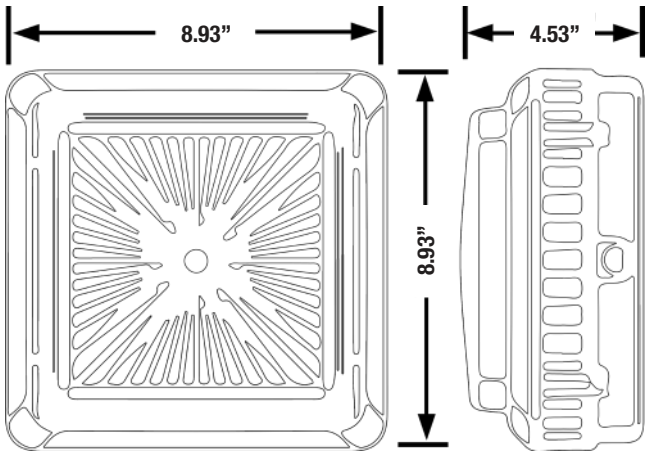
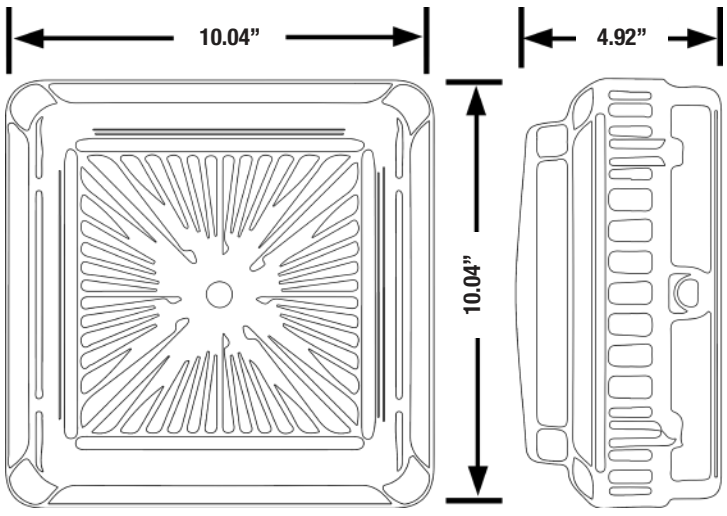
SKU #	Model #	Watts	Lumens	CCT	IP	Input Voltage	Certifications
151702	BLT-PG02-40WAANA1-50K	40W	5200Lm	5000K	IP65	100-277Vac	UL & DLC
151703	BLT-PG02-55WAANA1-50K	55W	7150Lm	5000K	IP65	100-277Vac	UL & DLC
151704	BLT-PG02-75WAANA1-50K	75W	9750Lm	5000K	IP65	100-277Vac	UL & DLC
151705	BLT-PG02-100WAANA1-50K	100W	13000Lm	5000K	IP65	100-277Vac	UL & DLC

Dimensions

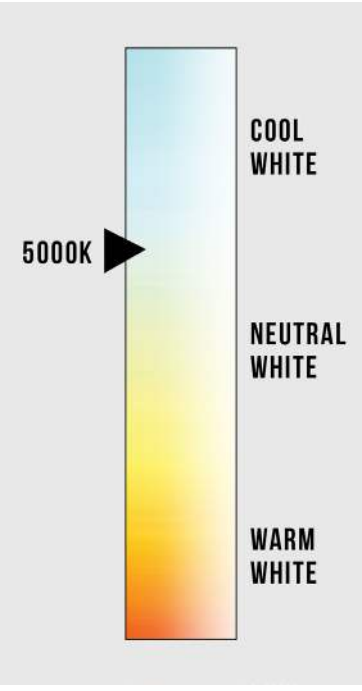
40W / 55W



75W / 100W



CORRELATED COLOR TEMPERATURE (CCT)



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40W Specifications

OPTICAL	Input Power	40W
	Lumen	5200Lm
	Lumen Efficacy	126-132 LM/W
	Color Temperature	5000K
	CRI	>80
	Viewing Angle	160°
ELECTRICAL	Input Voltage	100-277VAC 50/60Hz
	PF	≥0.9
	THD	≤20%
	Driver Brand	Beyond Brand Driver
	Optional Accessory	Motion sensor, Surge Protective Device
MATERIALS	LED Type	SMD2835 (0.5W)
	LED QTY	120 PCS
	Housing	Aluminum + PC
	Housing Color	Any colors
	Cover	Stripe PC Cover
	Waterproof Rating	WET（IP65）
OTHERS	Operating Temperature	-4°F to 113°F
	Operating Humidity	20％-90％ RH
	Storage Temperature	-22°F to 176°F
	Storage Humidity	10％-95％ RH
	Warranty Time	5 Years

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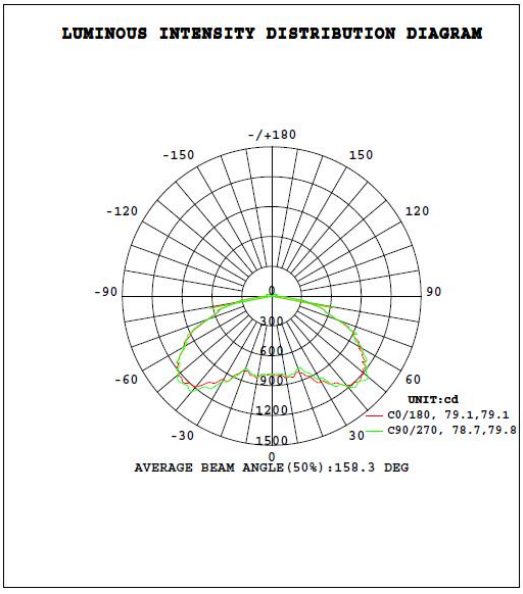
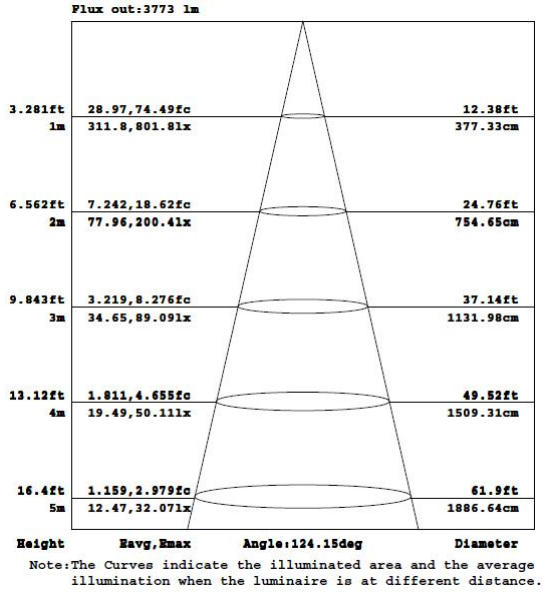
40W Distribution Diagram

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.78 lm/W			
MODEL		Imax(cd)	1353	S/MH(C0/180)	2.10
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	2.10
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	5368.6	η UP,DN(C0-180)	1.9,48.3
NOMINAL FLUX(lm)	5368.57	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.8,48.0
LAMPS INSIDE	1	η up(%)	3.7	CIBSE SHR NOM	2.00
TEST VOLTAGE(V)	120.0	η down(%)	96.3	CIBSE SHR MAX	0.00





Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

LED Parking Garage Light

Hale Series

55W Specifications

OPTICAL	Input Power	55W
	Lumen	7150Lm
	Lumen Efficacy	127-133 LM/W
	Color Temperature	5000K
	CRI	>80
	Viewing Angle	160°
ELECTRICAL	Input Voltage	100-277VAC 50/60Hz
	PF	≥0.9
	THD	≤20%
	Driver Brand	Beyond Brand Driver
	Optional Accessory	Motion sensor, Surge Protective Device,Emergency power supply
MATERIALS	LED Type	SMD2835 (0.5W)
	LED QTY	165 PCS
	Housing	Aluminum + PC
	Housing Color	Any colors
	Cover	Stripe PC Cover
	Waterproof Rating	WET（IP65）
OTHERS	Operating Temperature	-4°F to 113°F
	Operating Humidity	20%-90% RH
	Storage Temperature	-22°F to 176°F
	Storage Humidity	10%-95% RH
	Warranty Time	5 Years

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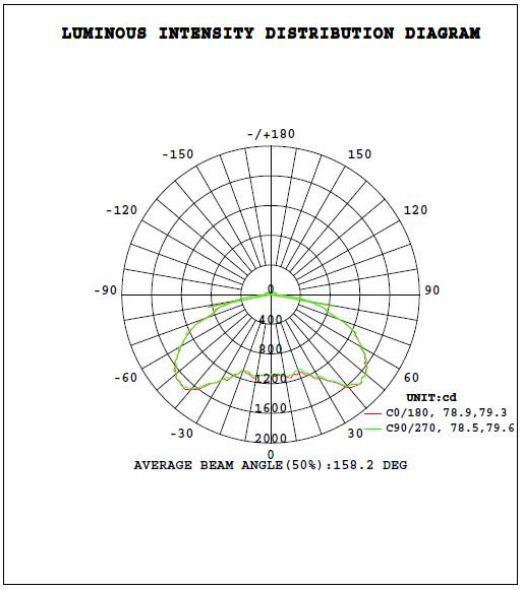
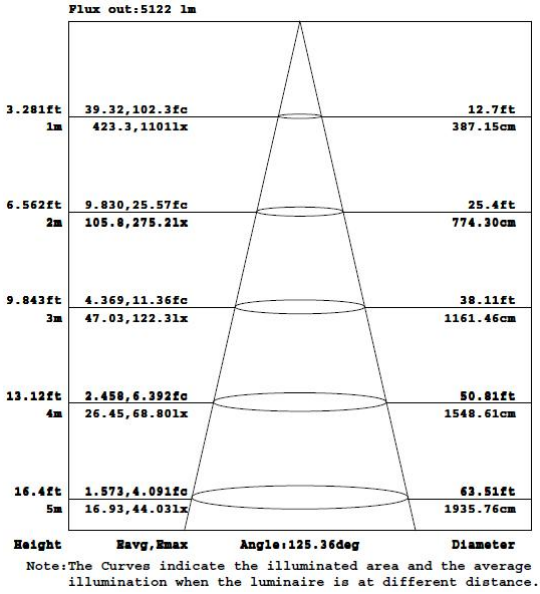
LED Parking Garage Light

Hale Series

55W Distribution Diagram

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.15 lm/W			
MODEL		Imax(cd)	1838	S/MH(C0/180)	2.09
NOMINAL POWER(W)	55	LOR(%)	100.0	S/MH(C90/270)	2.09
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	7305.2	η UP,DN(C0-180)	1.9,48.4
NOMINAL FLUX(lm)	7305.18	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.8,47.9
LAMPS INSIDE	1	η up(%)	3.7	CIBSE SHR NOM	2.00
TEST VOLTAGE(V)	120.0	η down(%)	96.3	CIBSE SHR MAX	0.00





Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

LED Parking Garage Light

Hale Series

75W Specifications

OPTICAL	Input Power	75W
	Lumen	9750Lm
	Lumen Efficacy	127-133 LM/W
	Color Temperature	5000K
	CRI	>80
	Viewing Angle	160°
ELECTRICAL	Input Voltage	100-277VAC 50/60Hz
	PF	≥0.9
	THD	≤20%
	Driver Brand	Beyond Brand Driver
	Optional Accessory	Motion sensor, Surge Protective Device
MATERIALS	LED Type	SMD2835 (0.5W)
	LED QTY	225 PCS
	Housing	Aluminum + PC
	Housing Color	Any colors
	Cover	Stripe PC Cover
	Waterproof Rating	WET（IP65）
OTHERS	Operating Temperature	-4°F to 113°F
	Operating Humidity	20％-90％ RH
	Storage Temperature	-22°F to 176°F
	Storage Humidity	10％-95％ RH
	Warranty Time	5 Years

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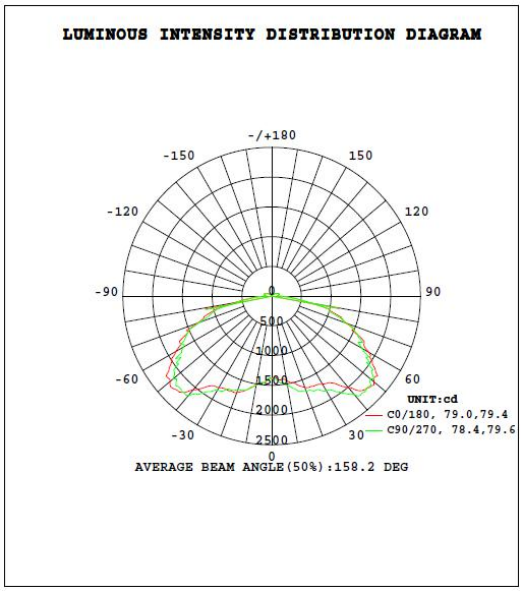
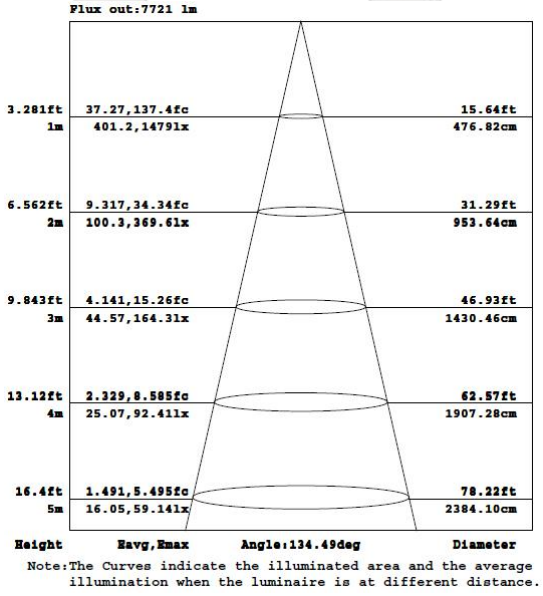
LED Parking Garage Light

Hale Series

75W Distribution Diagram

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.61 lm/W			
MODEL		Imax(cd)	2566	S/MH(C0/180)	2.12
NOMINAL POWER(W)	75	LOR(%)	100.0	S/MH(C90/270)	2.06
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	9894.2	η UP,DN(C0-180)	2.3,48.0
NOMINAL FLUX(lm)	9894.21	CIE CLASS	DIRECT	η UP,DN(C180-360)	2.3,47.4
LAMPS INSIDE	1	η up(%)	4.6	CIBSE SHR NOM	2.00
TEST VOLTAGE(V)	120.0	η down(%)	95.4	CIBSE SHR MAX	0.00





Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

LED Parking Garage Light

Hale Series

100W Specifications

OPTICAL	Input Power	100W
	Lumen	13000Lm
	Lumen Efficacy	126-132 LM/W
	Color Temperature	5000K
	CRI	>80
	Viewing Angle	160°
ELECTRICAL	Input Voltage	100-277VAC 50/60Hz
	PF	≥0.9
	THD	≤20%
	Driver Brand	Beyond Brand Driver
	Optional Accessory	Motion sensor, Surge Protective Device
MATERIALS	LED Type	SMD2835 (0.5W)
	LED QTY	300 PCS
	Housing	Aluminum + PC
	Housing Color	Any colors
	Cover	Stripe PC Cover
	Waterproof Rating	WET（IP65）
OTHERS	Operating Temperature	-4°F to 113°F
	Operating Humidity	20％-90％ RH
	Storage Temperature	-22°F to 176°F
	Storage Humidity	10％-95％ RH
	Warranty Time	5 Years

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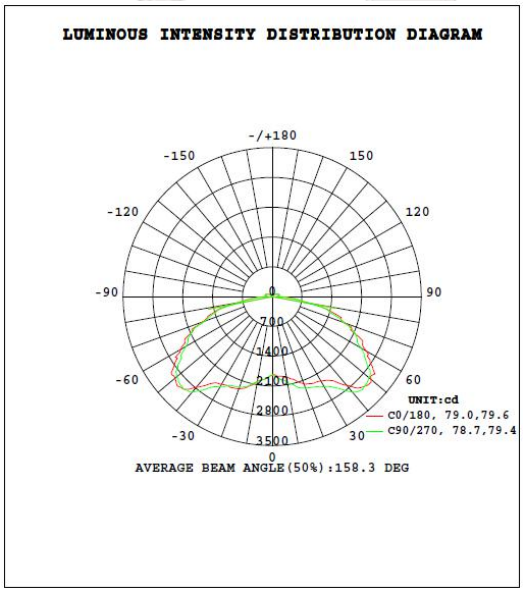
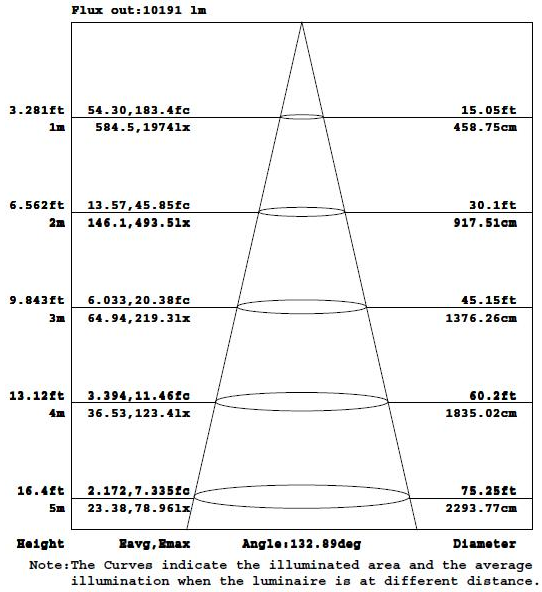
LED Parking Garage Light

Hale Series

100W Distribution Diagram

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.52 lm/W			
MODEL		Imax(cd)	3483	S/MH(C0/180)	2.13
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	2.08
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	13300	η UP,DN(C0-180)	2.3,48.1
NOMINAL FLUX(lm)	13299.8	CIE CLASS	DIRECT	η UP,DN(C180-360)	2.3,47.4
LAMPS INSIDE	1	η up(%)	4.6	CIBSE SHR NOM	2.00
TEST VOLTAGE(V)	120.0	η down(%)	95.4	CIBSE SHR MAX	0.00





Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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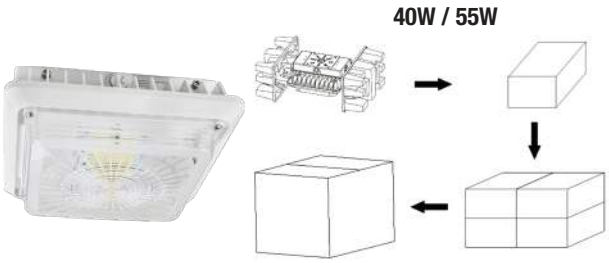
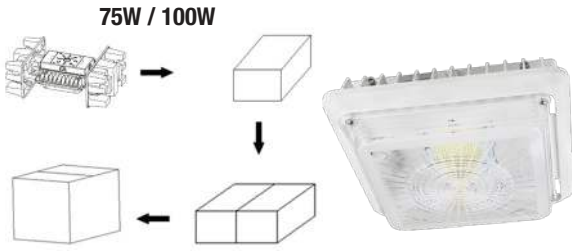
Packing

SKU #	Watts	Pcs/Box	Dimensions	Weight	Pallet Quantity	Pallet Weight	Pallet Dimensions
151702	40W	1	12" X 11" X 7"	6 Lb			
151702	40W	4	23" X 15" X 12"	23 Lb			
151703	55W	1	12" X 11" X 7"	6 Lb			
151703	55W	4	23" X 15" X 12"	24 Lb			
151704	75W	1	13" X 12" X 8"	8 Lb			
151704	75W	2	16" X 13" X 13"	18 Lb			
151705	100W	1	13" X 12" X 8"	9 Lb			
151705	100W	2	16" X 13" X 13"	19 Lb			





User Notice

- Please turn off the power before installing or changing assembly parts.
- The input voltage and lamps should be matching. Before connecting the power line, please make sure the wiring section is insulated.
- Only professionals should install and disassemble the lamps.

Trouble Shooting

- Flickering light - Turn off the power and turn on again in 3 minutes. If the same phenomena occurs, then call Support.
- Not working - Please check all power connections.

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Installation

Cautions:

1. Can not use the electric generator to test the LED lamp.
2. Please abide by related country, regional and local law and regulations when install this fixture.
3. Please turn off the power before installation or maintenance.
4. Proper earth grounding is required to ensure safety.

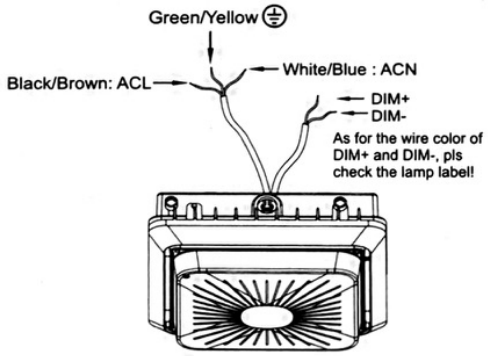
Notice:

1. To avoid possibility of electrical shock or fire, the installation personnel must have professional electric knowledge.
2. Please wear gloves to avoid injury before installation.
3. If any smoke or spark of the wire happened, please turn off the power immediately and notify relevant personnel.

Attention:

1. Please check if there is any damage during shipping. If so, please contact manufacturer timely.
2. Please read the installation instruction carefully to check whether all the accessories are complete. After confirmation, then install the fixture according to installation steps.

Wiring Diagram:



☑Installation Method I :

1. Disassemble the driver box cover by loosen the two screws on the driver box; Figure 1-1
2. Loosen the 3/4 plug on the driver box cover by screwdriver; Figure 1-2
3. Fix the driver box cover on the 3/4 tube; Figure 1-3
4. Insert the mounting hole of radiator horizontally to the shaft of driver cover; Figure 1-4
5. Connect the input line and ground; If the fixture is equipped with sensor, adjust the sensor settings, Take relevant waterproof measures after the wires are connected ;Figure 1-5
6. Turn the radiator up then cover the driver box, Figure 1-6
7. Lock the two cap screws, the product is installed. Figure 1-7

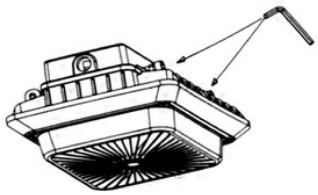


Figure 1-1

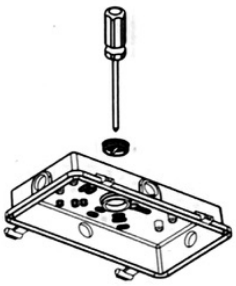


Figure 1-2

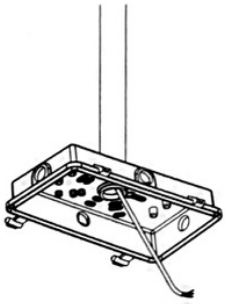


Figure 1-3

LED Parking Garage Light

Hale Series

Installation

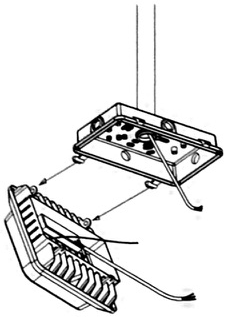


Figure 1-4

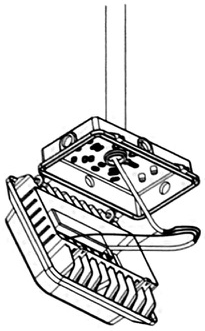


Figure 1-5

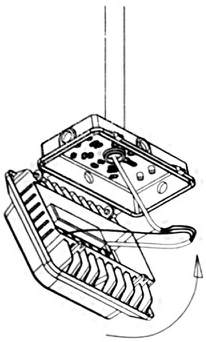


Figure 1-6

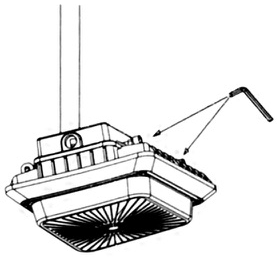


Figure 1-7

☑Installation Method II :

1. Disassemble the driver box cover by loosen the two screws on the driver box; Figure 2-1
2. Loosen the 3/4 plug on the driver box cover by screwdriver; Figure 2-2
3. Drill the holes on the ceiling accordingly to fit the plate; Figure 2-3
4. Fix the driver box cover on the ceiling; Figure 2-4
5. Insert the mounting hole of radiator horizontally on the shaft of driver cover; Figure 2-5
6. Connect the input line and ground; If the fixture is equipped with sensor, adjust the sensor settings; Take relevant waterproof measures after the wires are connected ;Figure 2-6
7. Turn the radiator up then cover the driver box, Figure 2-7
8. Lock the two cap screws, the product is installed. Figure 2-8

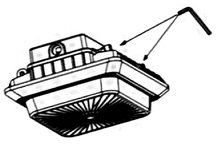


Figure 2-1

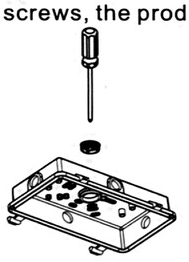


Figure 2-2

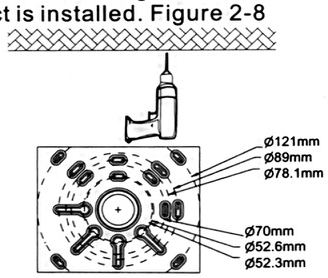


Figure 2-3

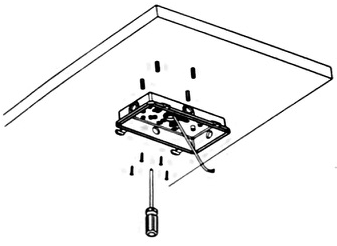


Figure 2-4

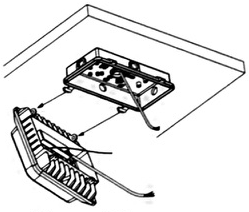


Figure 2-5

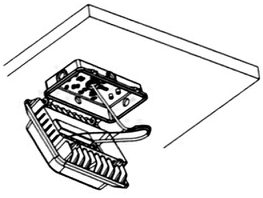


Figure 2-6

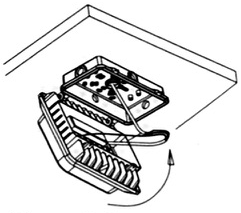


Figure 2-7

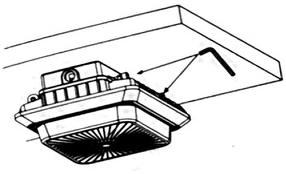


Figure 2-8

□Installation Method III :

1. Disassemble the driver box cover by loosen the two screws on the driver box; Figure 3-1
2. Loosen the 3/4 plug on the driver box cover by screwdriver; Figure 3-2
3. Drill holes on the ceiling; Figure 3-3
4. Fix the driver box cover on the ceiling; Figure 3-4
5. Fix the lower bracket on the driver box cover; Figure 3-5
6. Align with the holes of upper and lower bracket; tighten with screws; Figure 3-6
7. Insert the mounting hole of radiator horizontally on the shaft of driver cover; Figure 3-7
8. Use M20 waterproof connector when connecting AC wire or dimming wire, take relevant waterproof measures at both sides of inlet. Figure 3-8
9. Connect the input line and ground; If the fixture is equipped with sensor, adjust the sensor settings; Take relevant waterproof measures after the wires are connected ;Figure 3-9
10. Turn the radiator up then cover the driver box, Figure 3-10
11. Lock the two cap screws, the product is installed. Figure 3-11

Due to continuous product improvement, information in this document is subject to change.

LED Parking Garage Light

Hale Series

Installation

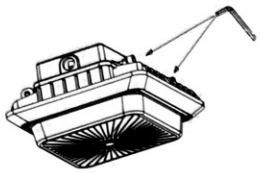


Figure 3-1

Figure 3-2

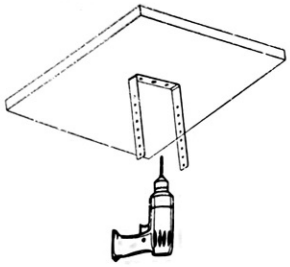


Figure 3-3

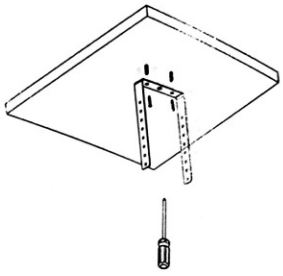


Figure 3-4

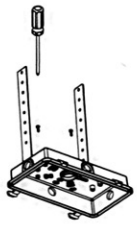


Figure 3-5

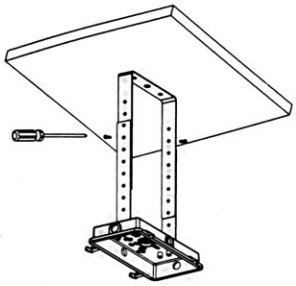


Figure 3-6

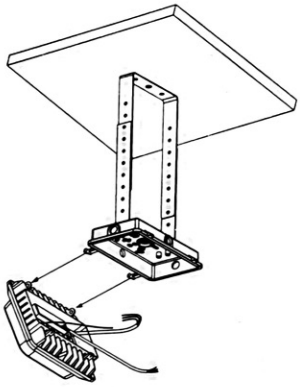


Figure 3-7

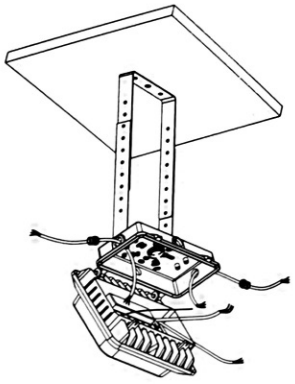


Figure 3-8

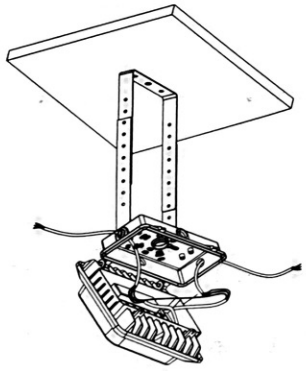


Figure 3-9

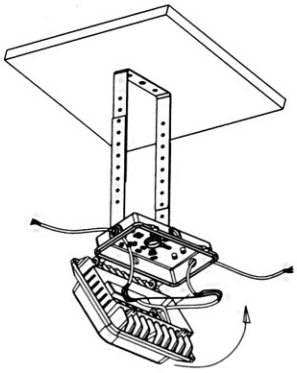


Figure 3-10

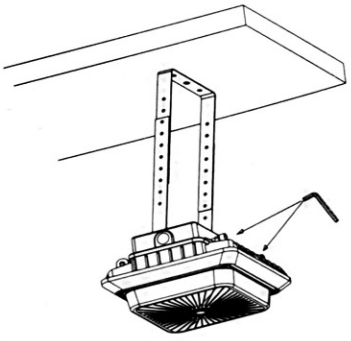
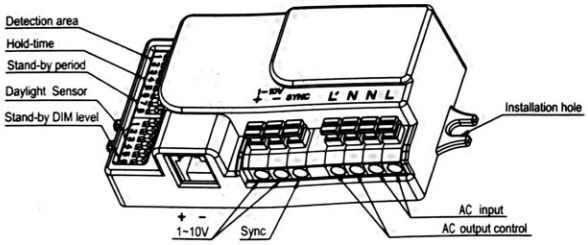
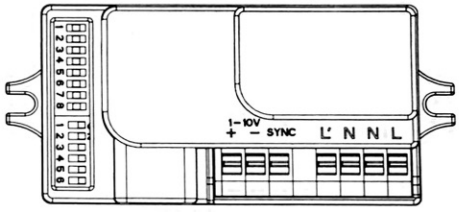


Figure 3-11

Structure of motion sensor





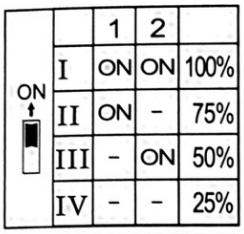
LED Parking Garage Light

Hale Series

Installation

Setting:

By selecting the combination on the DIP switch, sensor data can be precisely set for each specific application.

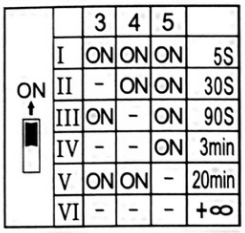


	1	2	
I	ON	ON	100%
II	ON	-	75%
III	-	ON	50%
IV	-	-	25%

Detection area

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application .

Factory setting: I

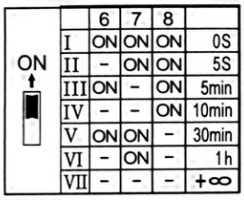


	3	4	5	
I	ON	ON	ON	5S
II	-	ON	ON	30S
III	ON	-	ON	90S
IV	-	-	ON	3min
V	ON	ON	-	20min
VI	-	-	-	+∞

Hold time

Refers to the time period the lamp remains at 100% illumination after no motion detected.

Factory setting: VI

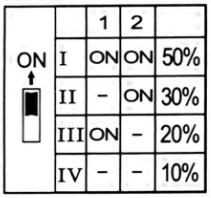


	6	7	8	
I	ON	ON	ON	0S
II	-	ON	ON	5S
III	ON	-	ON	5min
IV	-	-	ON	10min
V	ON	ON	-	30min
VI	-	ON	-	1h
VII	-	-	-	+∞

Stand-by period

Refers to the time period the lamp remains at a low light level before it completely switches off in the long absence of people. When set to Disable mode, the low light is maintained until motion is detected.

Factory setting: I

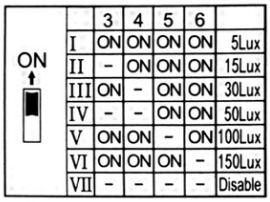


	1	2	
I	ON	ON	50%
II	-	ON	30%
III	ON	-	20%
IV	-	-	10%

Stand-by dimming level

The low light level you would like to have after the hold time in the long absence of people.

Factory setting: I



	3	4	5	6	
I	ON	ON	ON	ON	5Lux
II	-	ON	ON	ON	15Lux
III	ON	-	ON	ON	30Lux
IV	-	-	ON	ON	50Lux
V	ON	ON	-	ON	100Lux
VI	ON	ON	ON	-	150Lux
VII	-	-	-	-	Disable

Daylight sensor

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold.

When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level.

100lux, 100lux,50lux: twilight operation, 10lux, 5lux: darkness operation only.

Note that daylight sensor is active only when lamp totally switches off.

Factory setting: VII

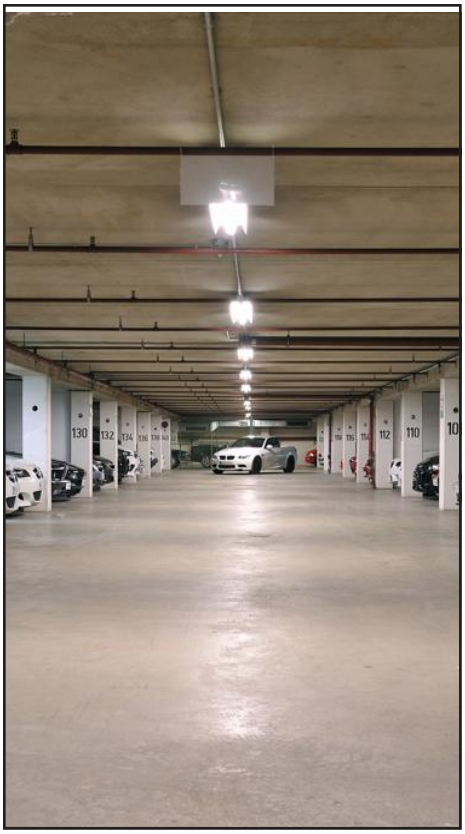
Warning / Avertissement

MIN 75°C SUPPLY CONDUCTOR
THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

LES FILS D'ALIMENTATION 75°C MIN
CE PRODUIT DOIT ÊTRE INSTALLÉ SELON LE CODE D'INSTALLATION PERTINENT, PAR UNE PERSONNE QUI CONNAÎT BIEN LE PRODUIT ET SON FONCTIONNEMENT AINSI QUE LES RISQUES INHÉRENTS.

Due to continuous product improvement, information in this document is subject to change.

LED Parking Garage Light

Hale Series

Application