HYPERLITE

www.hi-hyperlite.com

Use hyperlite LED parking garage canopy light
enjoy brighter life now

If you need more information about our lights,
please contact us by email or phone call

Email: info@hi-hyperlite.com
Toll-free number: +1(855) 688 7879

HYPERLITE

LED LIGHTING
www.hi-hyperlite.com

learn more
Instruction handbook

Thanks for your purchase!

LED PARKING GARAGE CANOPY LIGHT
VEGA Series

c (UL) us
LISTED

IP 65

FEATURES & SPECIFICATIONS

◆ HOUSING

The aluminum case provides excellent thermal transfer to extend component life.
Operation temperature -40°F to 122°F Components are RoHS compliant.
IP 65.

◆ DISTRIBUTION

PC lens with wide Type V light distribution, makes the whole LED canopy light more
concentrated and more evenly distributed.

◆ LED LIGHT ENGINE

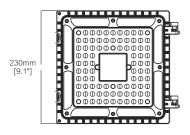High performance LED delivering up to 130 lumens per watt. CRI>70 for option.

◆ LISTING

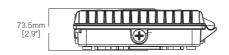UL, DLC premium, CE, RoHS, approved Listed by UL to meet UL 1598 standards for wet location.
Please check the DLC Qualified Products list to confirm (www.designlights.org/QPL)
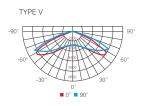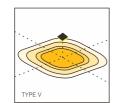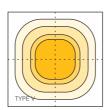
◆ WARRANTY

5 years warranty.

DIMENSION

230mm [9.1"]

73.5mm [2.9"]

CES-LS-VG-45W/65W

Model	Power	Lumens	Efficiency	Input Voltage	Color Temperature	CRI	PF	Beam Angle
CES-LS- VEGA -45W50LA	45W	5850LM	130lm/w	100-277VAC	5000K	>70	0.9	Type V
CES-LS-VEGA-65W50LA	65W	8450LM						

IP Grade	Operation temperature	Net Weight	Gross Weight	Size
IP 65	-40°F to 122°F	3.7lbs	4.7lbs	11" * 11" * 4.6"
		4.0lbs	5.0lbs	

ILLUMINATION FIGURE

TYPE V

-90° 90°
-60° 60°
-30° 30°
0°
■ 0° ■ 90°

TYPE V

TYPE V

INSTALLATION

- Surface Ceiling Mounting

- Piping Mounting

3/4inch

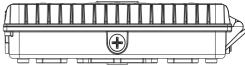1/2inch   Reducer

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HYPERLITE LED Luminaire

Industrial LED Parking Garage Canopy Lighting
(Vega Series)

Features
• UL&CUL No E483348 Suitable for Wet Locations
• IP65 Rated Ingress Protection

ATTENTION	BEFORE YOU INSTALL

Read these instructions completely and carefully.

⚠ WARNING/ADVERTISEMENT

RISK OF ELECTRIC SHOCK
• Turn power off before inspection, installation or removal.
• Properly ground electrical enclosure.
• Follow all NEC and local codes.
• Use only UL or IEC approved wire for input/output connections.

Prepare Electrical Wiring

Electrical Requirements
The LED driver must be supplied with 100-277 VAC, 50/60 Hz per product label and connected to an individual properly grounded branch circuit, protected by a 15 or 20 ampere circuit breaker.

Grounding Instructions
The grounding and bonding of the overall system shall be done in accordance with National Electric Code (NEC) Article 600 and local codes.

Save These Instructions
Use only in the manner intended by the manufacturer.
If you have any questions, contact the manufacturer.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

*Please connect the input wire in correct way, white is ACN, black is ACL, GREEN is ground connection.
*Please also make sure the wire connection is fixed perfectly before using.

Announcements:

1.This equipment is only for professional installation. Non-professional personnel shall not remove or install the equipment.

2.Please read the instruction manual before installation and keep it for future reference.

3.To avoid damage, falling, electric shock or fire, please do not modify the lamp or replace accessories without confirming with the supplier.

4.Maintenance/installation and replacement the lamps , please confirm to cut off the power supply, and the lamps have set up a cooling. Please make sure the lamps and has been properly installed before processing power.

5.Ensure the accurate and reliable connection.

6.Ensure that the product around the vent, the lamp cannot violate any fire prevention regulations when using.

Sensor

Wiring diagram

Sensor

Sensor

Sensor

Technical data

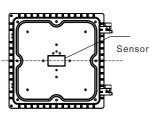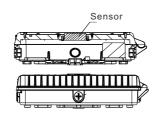| Operating voltage	120~277 VAC 50/60Hz	Microwave power	<0.3mW
Switching capacity	Max.3.0A@120Vac,Max.2.0A@277Vac	Interfaces	6-pole pluggable clamp terminal (L,N,N,L',1-10v+,1-10v-)for 0.75- 1.5mm 2 cable
Standby power	<1W		
Detection area	50%/100%		
Hold-time	5s/30s/1min/10min	Mounting height	Max.6m(ceiling mounted)
Daylight threshold	2Lux/10Lux/50Lux Disable	Detection range	Max.14x6m(ceiling mounted) Max.10m(wall mounted
Stand-by period	0s/30s/20min/+∞	Detection angle	30°-150°
Stand-by dimming level	10%/20%/30%/50%	Operating temperature	-20°C~+60°C
Microwave frequency level	5.8GHz ± 75MHz		

On/off control
Stand-by period
Detection area
Stand-by dimming level
Hold-time
Remote control setting
Daylight sensor

CERTIFICATE OF COMPLIANCE
UL CERTIFICATION

Certificate Number: E483348
Report Reference: E483348
Issue Date: 2017-DECEMBER-26

Additional Information:
See the UL Online Certifications Directory at www.ul.com/database for additional information

▲ Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.
▲ Look for the UL Certification Mark on the product

NAMING RULES

CES-LS- VEGA -45WXY-RSC   Example: CES-LS-VEGA -45W50LA-R8S1OT

CES-LS-VEGA   -   45W   X   Y   R   S   C

		X	Y	R	S	C
Series	Power	CCT	Driver	CRI	Sensor	Color
CES-LS-VEGA	45W 65W	**30** 3000K **40** 4000K **50** 5000K **57** 5700K	**LA** no-dimming **HB** dimming	**R8** Ra>80 **R9** Ra>90 **Blank** Ra>70	**S1** Photocell **S2** Motion sensor **S4** Photocell and motion sensor **Blank** No sensors	**BZ** Bronze **WH** White **OT** Other

DLC CERTIFICATION

File E483348
Project 4788072763

How to search the DLC and Get rebate

1. Visit official website: www.designlights.org, and input 'CES-LS-SHELL', you would get all results.

2. Comparing the search result to the lights you bought, you would get some important data, such as Report Data, Zonal Lumen and so on. Our lights are all listed in DLC organization.

3. Contact local energy sector, you provide the necessary information to them, then you would get rebate.

FOOTCANDLE LIGHT GUIDE

Footcandles are the most common unit of measure used by lighting professionals to calculate light levels in businesses and outdoor spaces. A footcandle is defned as the illuminance on a one square foot surface from a uniform source of light. The Illuminating Engineering Society (IES) recommends the following footcandle levels to ensure adequate illumination and safety for occupants. Below is a guideline for common areas to assist in achieving appropriate light levels with the greatest energy-efciency.

Building Area & Task	Average Maintained Footcandles (Horizontal) (FC)	Range of Maintained Footcandles (Horizontal) (FC)	Average Maintained Footcandles (Vertical) (FC)	Range of Maintained Footcandles (Vertical) (FC)	Comments
WAREHOUSING & STORAGE					
Bulky Items—Large Labels	10		5		
Small Items—Small Labels	30		15		
Cold Storage	30-40	10-30	10	5-15	
Open Warehouse	30-40	10-30			
Warehouse w/Aisles	30-40	10-30	10	5-15	
COMMERCIAL OFFICE					
Open Office	40	30-50			@30" Above Finished Floor (AFF)
Private Office	40	30-50			@30" AFF
Conference Room	30				Matte surface reflectance for the table 40% recommended
Restroom	18	75-30			
Lunch & Break Room	15	5-20			
EDUCATIONAL (SCHOOLS)					
Classroom	40	30-50			@30" AFF
Gymnasium					
Class I (Pro or Div. 1 College)	125		30		
Class II (Div. 2 or 3 College)	80		20		
Class III (High School)	50		150		
Class IV (Elementary)	30		100		
Auditorium	75	3-10	5	2.5-10	
Corridor	25	10-40			

Building Area & Task	Average Maintained Footcandles (Horizontal) (FC)	Range of Maintained Footcandles (Horizontal) (FC)	Average Maintained Footcandles (Vertical) (FC)	Range of Maintained Footcandles (Vertical) (FC)	Comments
INDUSTRIAL/MANUFACTURING					
Assembly					
Simple (Large Item)	30		15	15-60	
Difficult (fine)	100	10-30	10	50-200	
Component Manufacturing					
Large	30	10-30	30	15-60	
Medium	70-80	25-100	50	25-100	
EXTERIOR					
Parking (Covered)	5				1FC min, 10:1 Max to Min Uniformity
Parking (Open) (Medium Activity)					
Lighting Zone 3 (Urban)	1.5	75-3	0.8	0.4-1.6	
Lighting Zone 2 (suburban)	1	0.5-2	0.6	0.3-1.2	
Gas Station Canopy	12.5	10-15			
Safety (Building Exterior)	1	0.5-2			If security is an issue- raise average level to 3
RETAIL					
General Retail (Ambient)		50			
Department Store	40	20 - 80	15	7.5-30	
Perimeter			75	35-150	
Accent Lighting (Displays)					3-10 times greater than ambient light levels
AUTOMOTIVE					
Showroom	70-80	25-100	10	7.5-30	
Service Area	50	25-10	30	15-30	
Sales Lot (Exterior)					
Lighting Zone 3 (Urban)	20	10-40	20	10-40	
Lighting Zone 2 (Suburban)	15	7.5-30	15	7.5-30	
GROCERY					
Circulation	20	10-40	7.5	3.5-15	
General Retail	70-80	25-100	20	10-40	
Perimeter			50	25-100	
BANKING					
ATM	20	10-40	15		Vertical at face of ATM

▲ This guide is a collaborative efort of Energy Trust of Oregon and the Lighting Design Lab, Seattle, Washington.

NOTES:
• This guide is based on information gathered from the IES 'The Lighting Handbook' 10th Edition. It is highly recommended that all lighting professionals refer to the full IES guide when specifying lighting projects.
• At least half of users are in the 25 - 65 age range

• Horizontal—horizontal plane that average maintained foot-candles are measured
• Vertical—vertical plane the average maintained foot-candles are measured
• It is the responsibility of the to determine and provide appropriate lighting levels for each space

HYPERLITE

HYPERLITE

Linear High Bay
SKY Series

- Patented super slim, minimalist-inspired design
- Various beam angle: 30°/ 60°/ 90°/ 120°/ shelf beam 20°
- High purity profiled aluminum, with excellent heat dissipation
- Exclusive optical lens optimizes the light distribution, promotes light efficiency
- 5 years warranty

More products...

High Bay Light
HERO Series

- Pure aluminum by cold forging, excellent heat dissipation
- High light efficiency, up to 150lm/w
- Multiple beam angle, lens or reflectors for various demands
- Super compact design, N.W.: 2.38kg; 1428pcs in 20GP container
- 5 years warranty

High Bay Light
APOLLO Series

- Classic UFO High bay, with 3D fin type heat sink, excellent heat dissipation
- Compact design without reflector, bigger PCB brings better heat conduction
- Top quality long lifespan chip with LM-80 and Meanwell driver
- High light efficiency, up to 150lm/w
- 5 years warranty

Area Light
ARES Series

- Maximum power up to 300w, up to 150lm/w
- Optimized mount kit allows single person installation
- Demountable design, easy for maintenance
- Up-to-date design, with vertical lens and gather 4 LED in one bulb
- 5 years warranty

HYPERLITE

www.hi-hyperlite.com