

ARRLUX



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CANOPY LIGHT
SHINE SERIES **2018 V2**

SHINE-E SERIES FEATURES & BENEFITS

01.HOUSING

- Die cast aluminum housing.
- Slim appearance with 25mm thickness.
- Modular design allows for easy installation, replacement and maintenance.

02.FINISH

- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Standard color of White.

03.LED & OPTICAL ASSEMBLY

- Each PCB are mounted with a TVS (Transient Voltage Suppressors) to protect the LEDs from voltage transients induced by lightning and other transient voltage events.
- High-uniformity LED optics are constructed of durable optical polycarbonate that is impact and UV resistant.
- The metal plate provides double protection for the LED light engine and prolongs LED optics life.
- Over 15 optical lenses are available for virtually any application.
- Each LED module are 100% tested prior to assembly which is IP67 rated.

04.MOUNTING

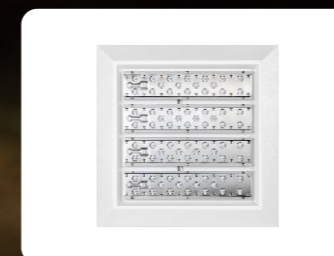
- Flush mount with cut-out hole of $\Phi 127$ mm.
- Ideal for gas station lighting application.

05.Electrical/ Key Components/ Controls

- 120-277VAC and 347-480VAC available.
- Surge protection to 20kV/10kA per ANSI/IEEE C62.41.2-2002 available.
- High quality LEDs, driver and components, e.g. MOLEX, WAGO connectors.
- Multiple lighting control options are available, e.g. DALI, 1-10V.

06.Product Certifications

- UL/ CUL/ DLC/ LM79/ CB/ CE/ RoHS/ IK08
(Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org)


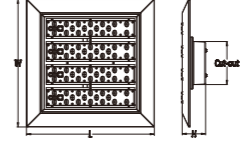


TECHNICAL PARAMETERS

PRODUCT MODEL

Power	120/160W	IP Rating	IP67
Input	120-277VAC or 220-240VAC or 347-480 VAC	SPD	Optional
PF	>0.95	Certificate/Qualification	UL/ CUL/ DLC/ LM79/ CB/ CE/ RoHS/ IK08
THD	<20%	DALI	Optional
L70/L90	>200,000H/>60,000H	1-10V	Optional
Operating Temperature	-40°C ~ +50°C	Photocell	/
Typical Efficacy	120-160lm/W	Smart Control	/
ANSI CCT	3000K/4000K/5000K/5700K	Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Min CRI	70* or 80 or 90	Color Options	White

* Standard

Model	CLA120/CLB160/ CLA120H/CLB160H	Net Weight	6.14kg(13.54lbs)
LED Modules	4	Gross Weight	6.95kg(15.32lbs)
LEDs	72	Product Dimensions	400x400x73.4mm 15.75"x15.75"x2.89"
Cut-out	Φ127(mm) Φ5"	Carton Dimensions	495x475x145mm 19.49"x18.70"x5.71"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 / 5000K	
CLA120	110W	120-277VAC	530mA	13365lm	14850lm	135
CLB160	156W	120-277VAC	700mA	18252lm	20280lm	130
CLA120H	110W	347-480VAC	530mA	13365lm	14850lm	135
CLB160H	156W	347-480VAC	700mA	18252lm	20280lm	130

ORDERING INFORMATION

MODEL (Nominal Power)		MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
CLA120 120W	CLA120H* 120W	-	T1M Type I Medium	30K 3045	★ WH White (RAL:9010)	00 Not required	10KA/20KA Surge Protection Device
CLB160 160W	CLB160H* 160W		T2M Type II Medium	±175K		04 DALI	Back Light Shield
			T3M Type III Medium	★ 40K 3985		05 1-10V dimming	
			T3L Type III Long	±275K			
			T4S Type IV Short	★ 50K 5028			
			T4M Type IV Medium	±283K			
			T5U Average beam angle 10°	57K 5665			
			T5V Average beam angle 25°	±355K			
			T5W Average beam angle 40°				
			T5S Average beam angle 60°				
			T5M Average beam angle 90°				
			T5L Average beam angle 120°				
			T5X Average beam angle 150°				
			T5D Diffuser				

- * DALI unavailable
- ★ Regularly stocked item

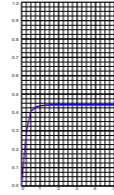
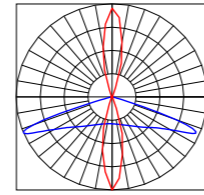
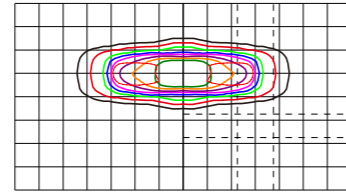
- Example 1: CLA120-T5S-50K-WH-00
- Example 2: CLB160H-T5U-50K-WH-05

ACCESSORIES OPTICS

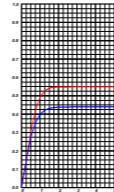
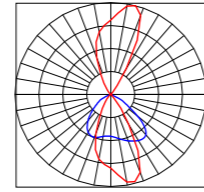
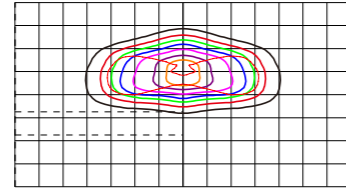
ISO Plot

Polar Curve

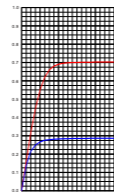
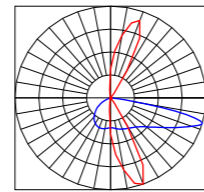
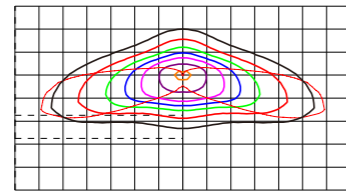
Cu Graph



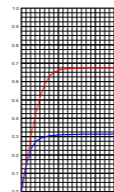
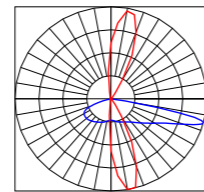
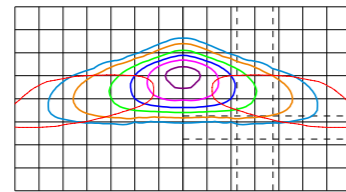
T1M Type I Medium



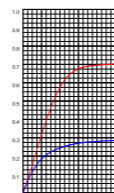
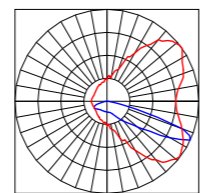
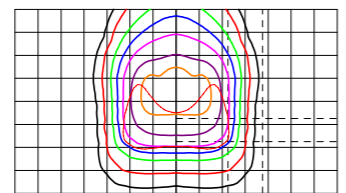
T2M Type II Medium



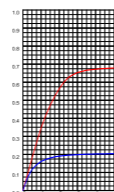
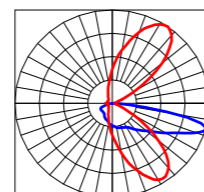
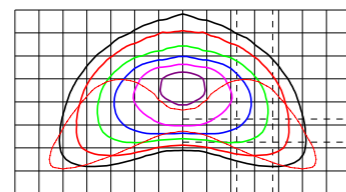
T3M Type III Medium



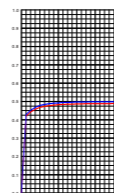
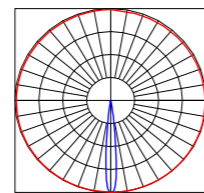
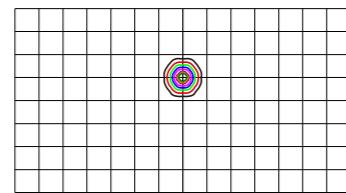
T3L Type III Long



T4S Type IV Short



T4M Type IV Medium

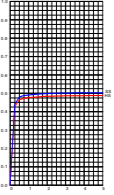
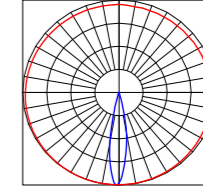
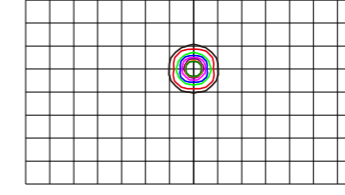


T5U Average beam angle 10°

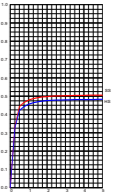
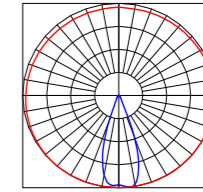
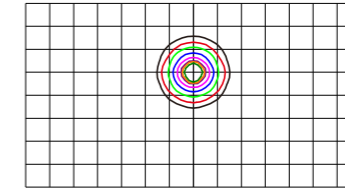
ISO Plot

Polar Curve

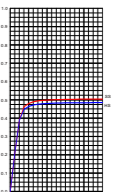
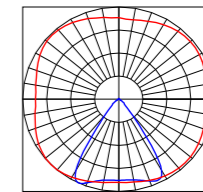
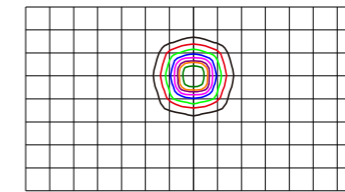
Cu Graph



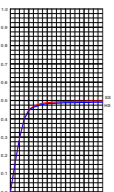
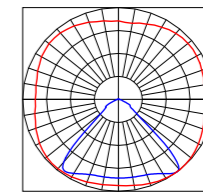
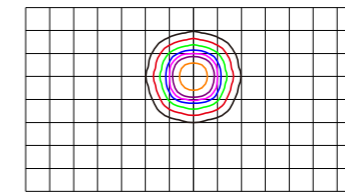
T5V Average beam angle 25°



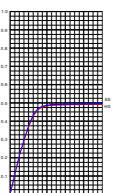
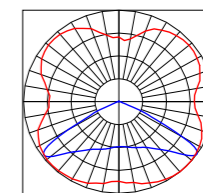
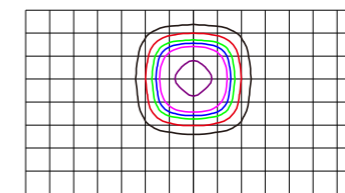
T5W Average beam angle 40°



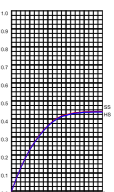
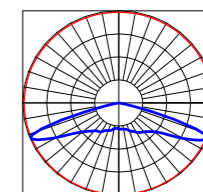
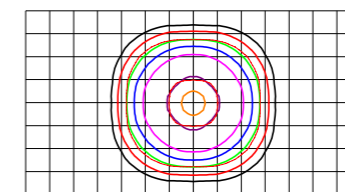
T5S Average beam angle 60°



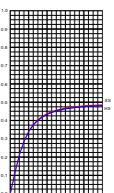
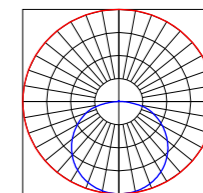
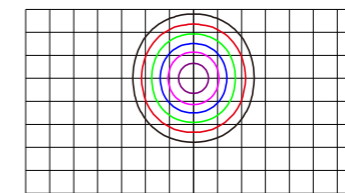
T5M Average beam angle 90°



T5L Average beam angle 120°



T5X Average beam angle 150°



T5D Diffuser

SHINE-D SERIES FEATURES & BENEFITS

01.HOUSING

- Die cast aluminum housing.
- Traditional box styling, simple style.
- Modular design allows for easy installation, replacement and maintenance.

02.FINISH

- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Standard color of White.

03.LED & OPTICAL ASSEMBLY

- Each PCB are mounted with a TVS (Transient Voltage Suppressors) to protect the LEDs from voltage transients induced by lightning and other transient voltage events.
- High-uniformity LED optics are constructed of durable optical polycarbonate that is impact and UV resistant.
- The metal plate provides double protection for the LED light engine and prolongs LED optics life.
- Over 15 optical lenses are available for virtually any application.
- Each LED module are 100% tested prior to assembly which is IP67 rated.

04.MOUNTING

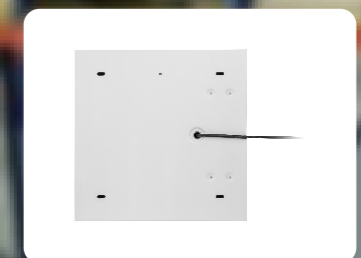
- Surface mount.
- Used for the traditional place like parking lot and so on.

05.Electrical/ Key Components/ Controls

- 120-277VAC and 347-480VAC available.
- Surge protection to 20kV/10kA per ANSI/IEEE C62.41.2-2002 available.
- High quality LEDs, driver and components, e.g. MOLEX, WAGO connectors.
- Multiple lighting control options are available, e.g. DALI, 1-10V.

06.Product Certifications

- UL/ CUL/ DLC/ LM79/ CB/ CE/ SAA/ RoHS
(Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org)





TECHNICAL PARAMETERS

PRODUCT MODEL

Power	120/160W	IP Rating	IP20
Input	120-277VAC or 220-240VAC or 347-480 VAC	SPD	Optional
PF	>0.95	Certificate/Qualification	UL/ CUL/ DLC/ LM79/ CB/ CE/ SAA/ RoHS
THD	<20%	DALI	Optional
L70/L90	>200,000H/>60,000H	1-10V	Optional
Operating Temperature	-40°C ~ +40°C	Photocell	/
Typical Efficacy	120-160lm/W	Smart Control	/
ANSI CCT	3000K/4000K/5000K/5700K	Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Min CRI	70* or 80 or 90	Color Options	White

* Standard

Model	CLA120-D/CLB160-D/ CLA120H-D/CLB160H-D	Net Weight	8.47kg(18.67lbs)	Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
LED Modules	4	Gross Weight	9.60kg(21.16lbs)	CLA120-D	110W	120-277VAC	530mA	3000K	4000/5000K	135
LEDs	72	Product Dimensions	423x423x89mm 16.65"x16.65"x3.50"	CLB160-D	156W	120-277VAC	700mA	18252lm	20280lm	130
Mounting options	Surface mount	Carton Dimensions	525x498x180mm 20.67"x19.61"x7.09"	CLA120H-D	110W	347-480VAC	530mA	13365lm	14850lm	135
				CLB160H-D	156W	347-480VAC	700mA	18252lm	20280lm	130

ORDERING INFORMATION

MODEL (Nominal Power)		MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
CLA120 120W	CLA120H* 120W	D	T1M Type I Medium	30K 3045	★ WH White (RAL:9010)	00 Not required	10KA/20KA Surge Protection Device
CLB160 160W	CLB160H* 160W		T2M Type II Medium	±175K		04 DALI	Back Light Shield
			T3M Type III Medium	★ 40K 3985		05 1-10V dimming	
			T3L Type III Long	±275K			
			T4S Type IV Short	★ 50K 5028			
			T4M Type IV Medium	±283K			
			T5U Average beam angle 10°	57K 5665			
			T5V Average beam angle 25°	±355K			
			T5W Average beam angle 40°				
			T5S Average beam angle 60°				
			T5M Average beam angle 90°				
			T5L Average beam angle 120°				
			T5X Average beam angle 150°				
			T5D Diffuser				

* DALI unavailable

★ Regularly stocked item

● Example 1: CLA120-D-T5S-50K-WH-00

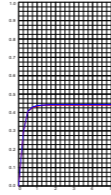
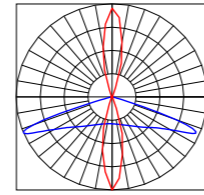
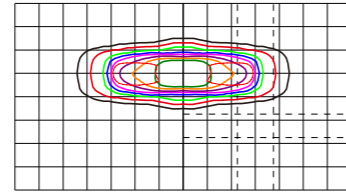
● Example 2: CLB160H-D-T5U-50K-WH-05

ACCESSORIES OPTICS

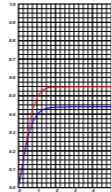
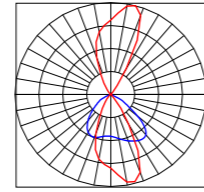
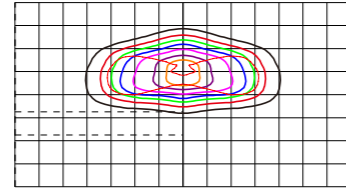
ISO Plot

Polar Curve

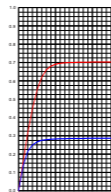
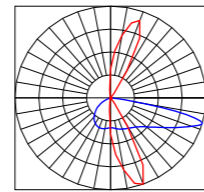
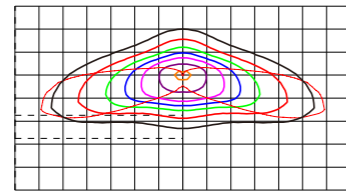
Cu Graph



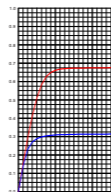
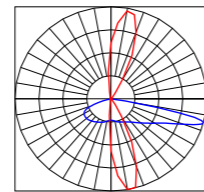
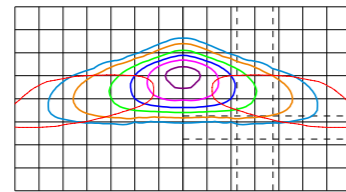
T1M Type I Medium



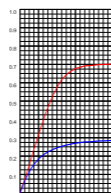
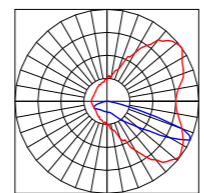
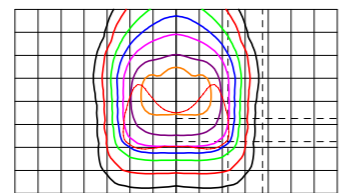
T2M Type II Medium



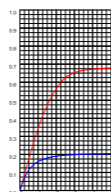
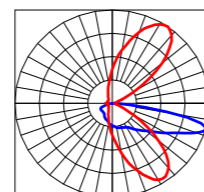
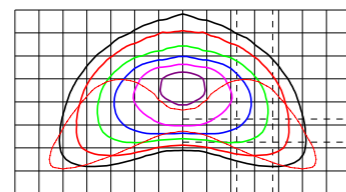
T3M Type III Medium



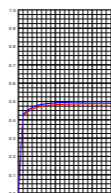
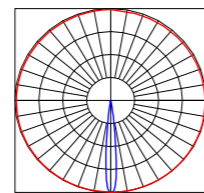
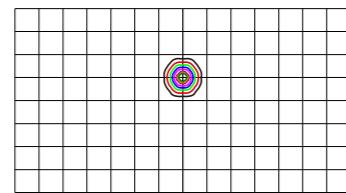
T3L Type III Long



T4S Type IV Short



T4M Type IV Medium

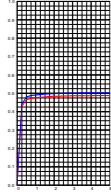
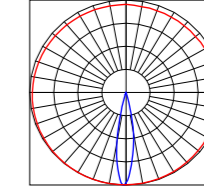
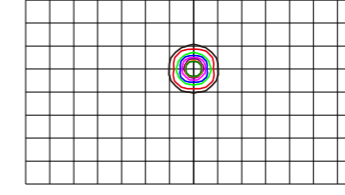


T5U Average beam angle 10°

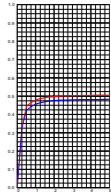
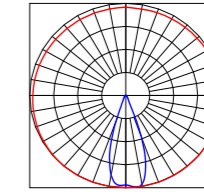
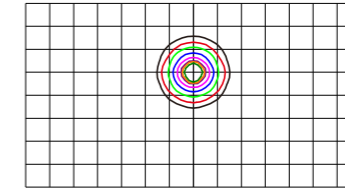
ISO Plot

Polar Curve

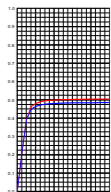
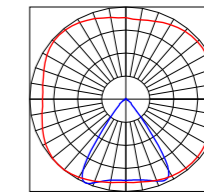
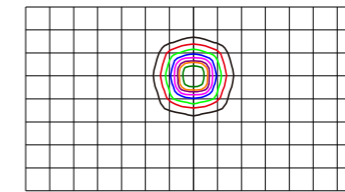
Cu Graph



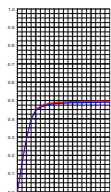
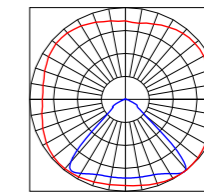
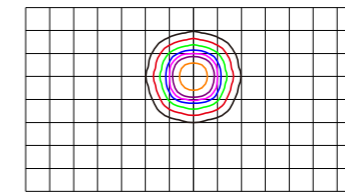
T5V Average beam angle 25°



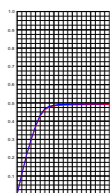
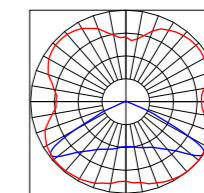
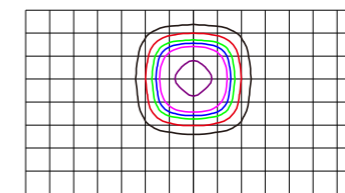
T5W Average beam angle 40°



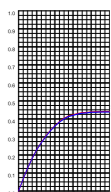
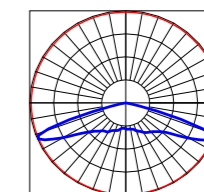
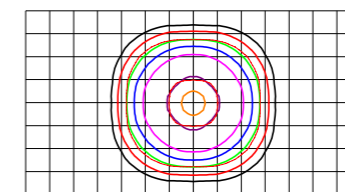
T5S Average beam angle 60°



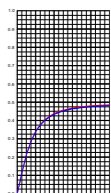
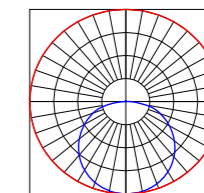
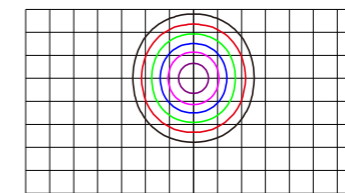
T5M Average beam angle 90°



T5L Average beam angle 120°



T5X Average beam angle 150°



T5D Diffuser

