



Industrial & Commercial LED Lighting Company

4403 Greenbriar Dr, Stafford, Texas 77477  
Tel No. 1-800-8385070  
Monday - Friday 8:30 AM to 5:30 PM

## 241 SERIES GAS STATION LED CANOPY LIGHT



100W



150W



180W



### Introduction:

- UL cUL DLC certificate
- High CRI
- Philips Lumileds Chips (**only for 150W**)
- IP65 driver, Input voltage 100-277Vac
- No UV or IR in the beam
- Easy to install and operate
- Energy saving, Long lifespan
- Light is soft and uniform, Safe to eyes
- Instant start, NO flickering, NO humming
- Green and eco-friendly without mercury.

### Typical Applications:

- **100W & 150W**
  - Widely used in gas station
  - Service station
  - Underground parking lot
  - Warehouse
  - Garage
  - Work floor
  - Factory and so on.
- **180W**
  - Gas station
  - Service station
  - Toll station

**Technical Characteristic:**

• **100W:**

Color temperature	4000K	5000K	5700K
CRI	>80		
Lumen	12400 - 12800 LM		
Input Power	100W		
Viewing Angle	110°		
Input Voltage	100-277Vac 50/60Hz		
Driver model	China Brand Driver		
PFC	>0.9		
Waterproof Rating	WET (IP65)		

• **150W:**

Color temperature	2700 - 6500K		
CRI	>80		
Lumen	14500 - 16700LM		
Input Power	150W		
Viewing Angle	100°		
Input Voltage	100-277Vac 50/60Hz		
Driver model	CLG-150-48A (Mean Well Driver)		
PFC	>0.9		
Waterproof Rating	WET (IP65)		

• **180W:**

Color temperature	4000K	4500K	5000K	5700K
CRI	>80			
Lumen	24000 - 25000LM			
Input Power	180W			
Viewing Angle	110°			
Input Voltage	100-277Vac 50/60Hz			
Driver model	HLG-185H-48A (Mean Well Driver)			
PFC	>0.9			
Waterproof Rating	WET (IP65)			

**Materials:**

• **100W:**

LED Type	Lumileds 2835
LED QTY	300 PCS
Housing	Aluminum
Housing color	White
Cover	Stripe lens

• **150W:**

LED Brand	PHILIPS LUMILEDS
LED Type	LUXEON 3030 2D (1.5W)
LED QTY	168 PCS
Housing	Aluminum
Housing color	White
Cover	Drop lens (Stripe lens)

**• 180W:**

LED Type	2835 (0.2W)
LED QTY	1095 PCS
Housing	Aluminum
Housing color	White
Cover	Frosted lens

**Other Technical Specifications:**
**• 100W:**

Operating Temperature	-20°C TO 45°C
Operating Humidity	20%-90% RH
Storage Temperature	-30°C TO 80°C
Storage Humidity	10%-95%
Application	Outdoor / Indoor
Safety Certification	UL、cUL、DLC
Warranty Time	5 Years

**• 150W:**

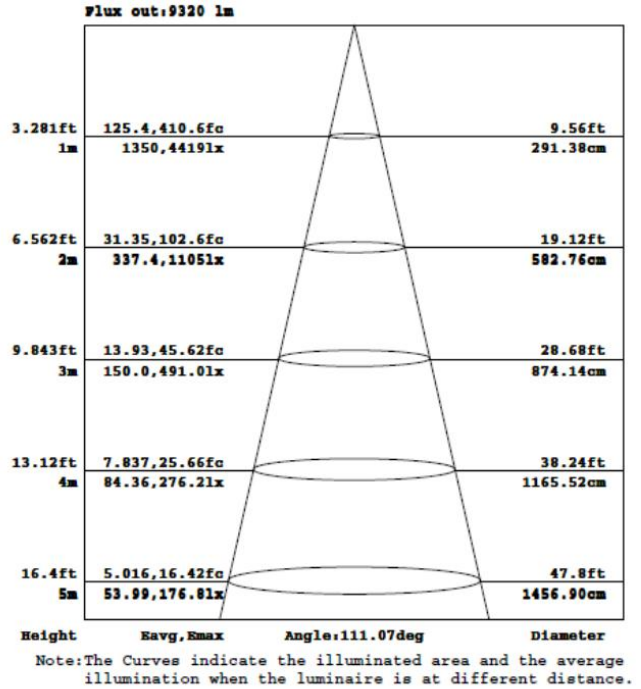
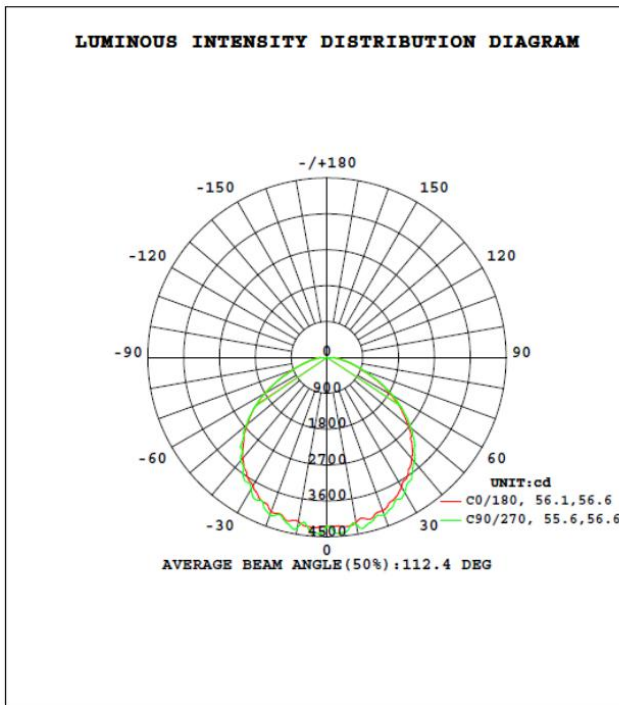
Operating Temperature	-20°C TO 45°C
Operating Humidity	20%-90% RH
Storage Temperature	-30°C TO 80°C
Storage Humidity	10%-95%
Application	Outdoor / Indoor
Safety Certification	UL
Warranty Time	5 Years

**• 180W:**

Operating Temperature	-20°C TO 45°C
Operating Humidity	20%-90% RH
Storage Temperature	-30°C TO 80°C
Storage Humidity	10%-95%
Application	Outdoor / Indoor
Safety Certification	UL
Warranty Time	5 Years

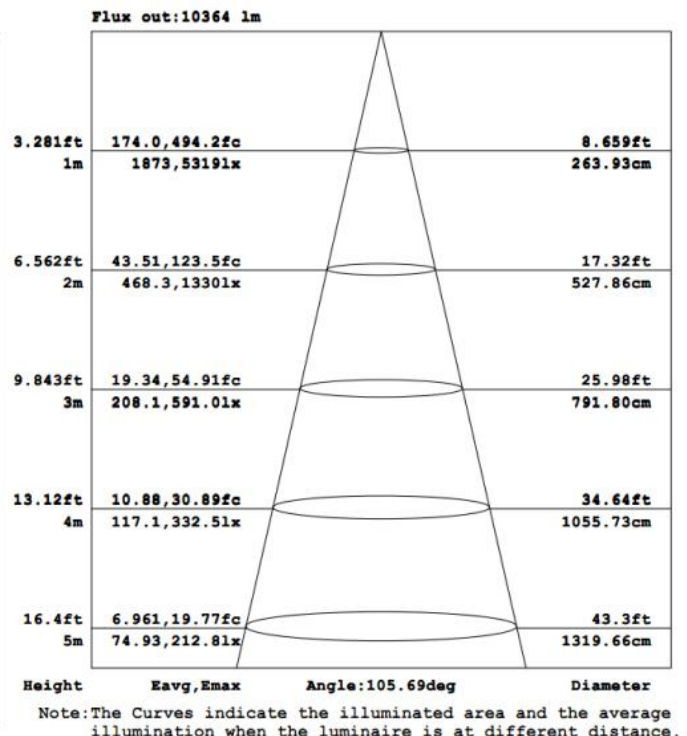
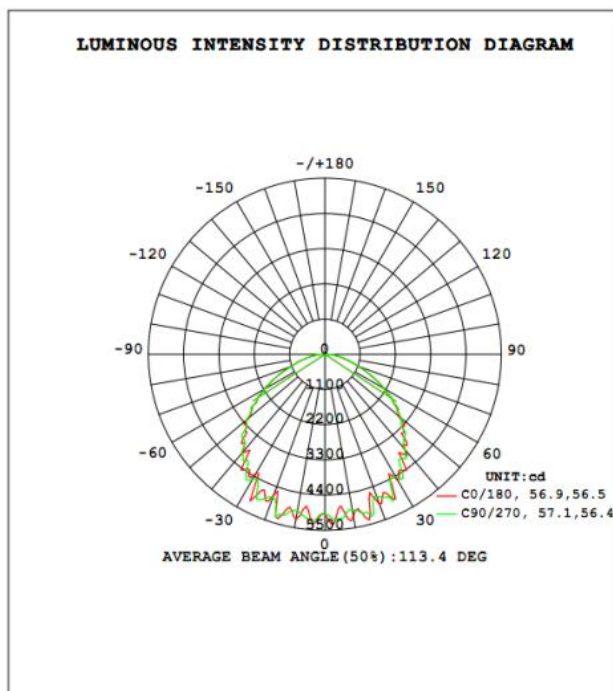
**Light Distribution Testing Parameters:**
**• 100W:**

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 124.77 lm/W
MODEL		I <sub>max</sub> (cd)	4434	S/MH (C0/180)	1.32	
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	1.35	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	12487	η UP, DN (C0-180)	0.2, 50.4	
NOMINAL FLUX (lm)	12486.7	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.2, 49.2	
LAMPS INSIDE	1	η up (%)	0.4	CIBSE SHR NOM	1.50	
TEST VOLTAGE (V)	120.0	η down (%)	99.6	CIBSE SHR MAX	1.50	



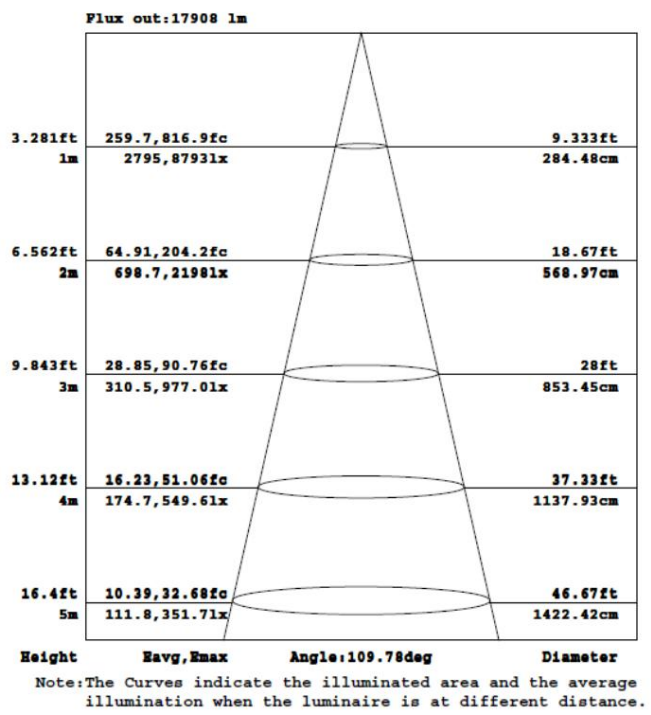
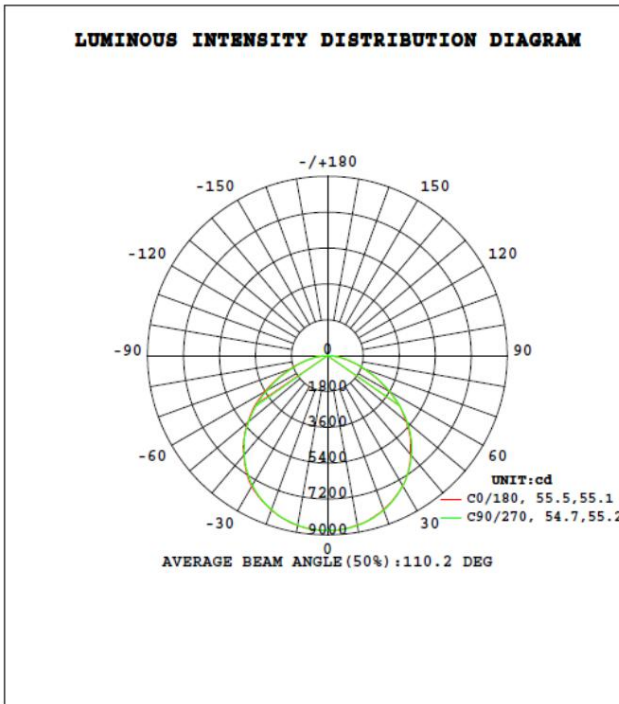
• 150W:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 100.85 lm/W			
MODEL	150W	Imax (cd)	5421	S/MH (C0/180)	1.32
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.35
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	14705	η UP, DN (C0-180)	0.1, 49.6
NOMINAL FLUX (lm)	14705.4	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 50.2
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	277.0	η down (%)	99.9	CIBSE SHR MAX	1.35



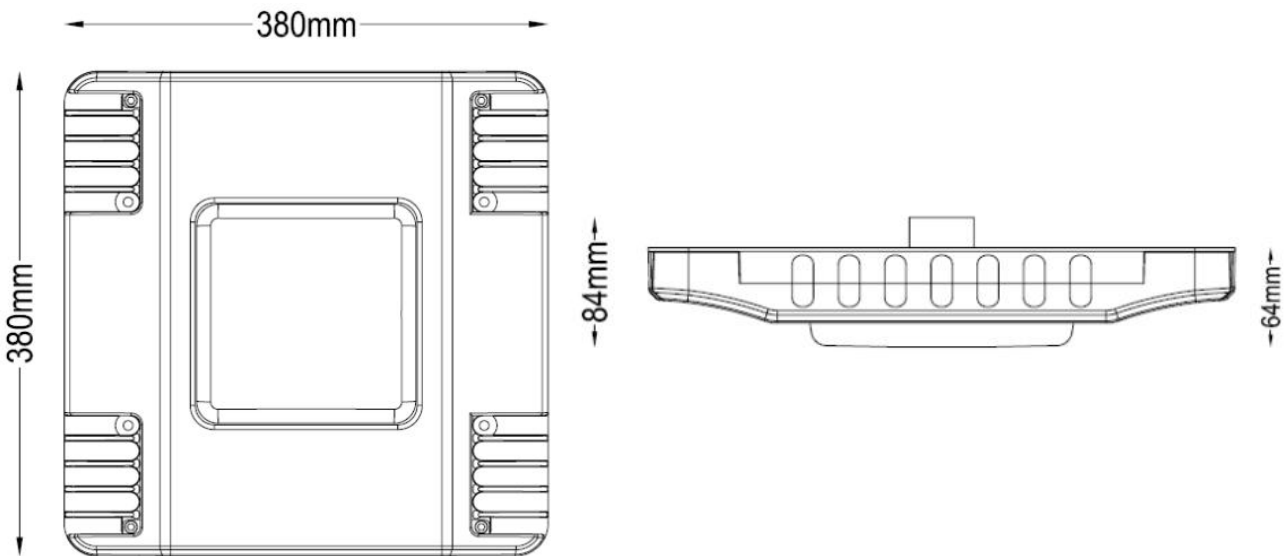
• 180W:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 133.74 lm/W			
MODEL		Imax (cd)	8781	S/MH (C0/180)	1.28
NOMINAL POWER (W)	180	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	24401	η UP, DN (C0-180)	0.2, 50.0
NOMINAL FLUX (lm)	24401.1	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 49.7
LAMPS INSIDE	1	η up (%)	0.3	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120.0	η down (%)	99.7	CIBSE SHR MAX	1.35

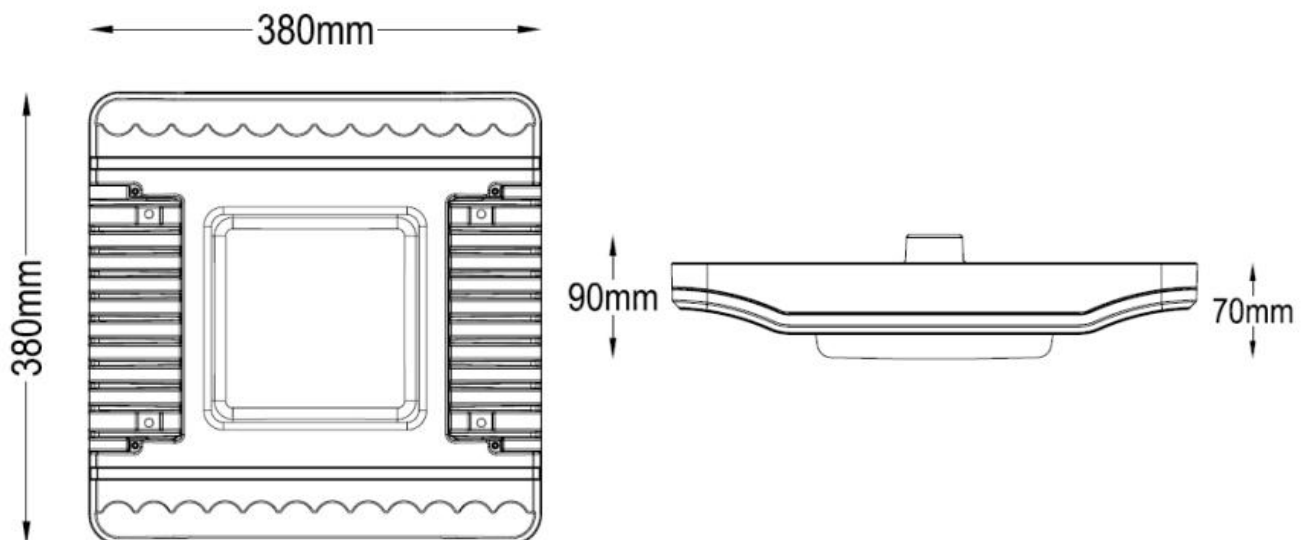


Dimension

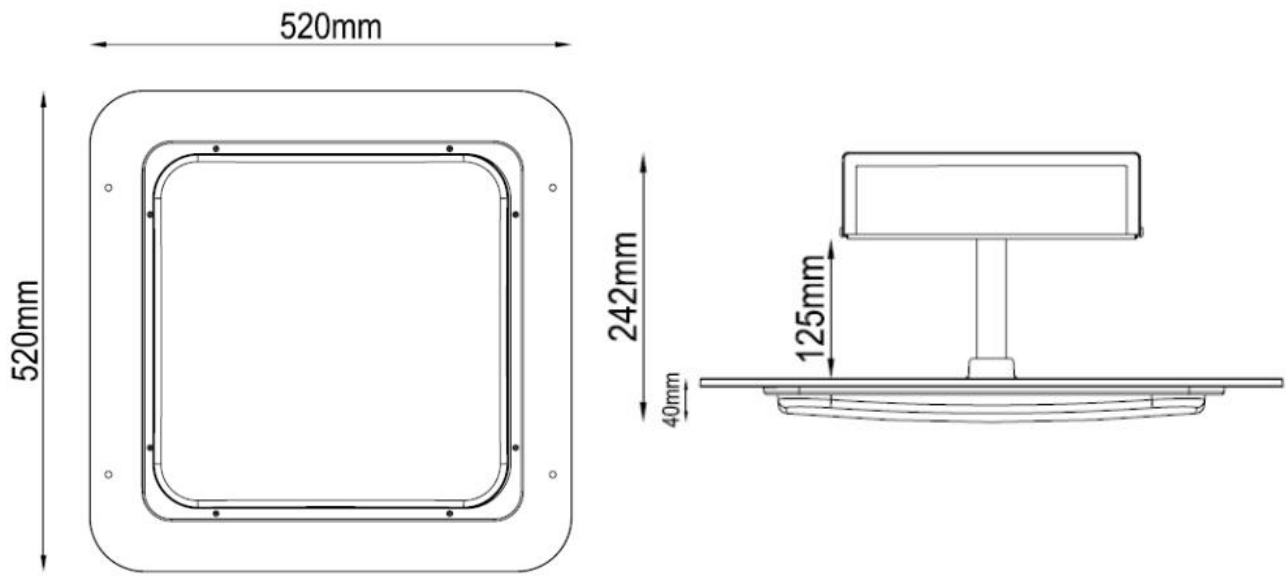
• 100W:



• 150W:



- 180W:



### Application

- 100W & 150W



- 180W



DVDLIGHTS - INDUSTRIAL & COMMERCIAL LED LIGHTING COMPANY - 241 SERIES GAS STATION LED CANOPY LIGHT

Ordering Guide

**Example:** 241C2-100W

PRODUCT TYPE	PRODUCT NAME	CCT FIXED	INPUT VOLTAGE	WATTAGE FIXED
GAS STATION CANOPY LIGHTS	241	C= 5000K	2 = 120-277V	100W
				150W
				180W

Troubleshooting

Troubles	Check points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies
Out of working	Please check the connection

Safety Precaution

- Please turn off power before install or change assembly parts.
- The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- No-professionals, must not install and disassemble the lamps.