

VGC02 - Gas Station Light



SPECIFICATIONS

Construction

- The die-cast housing conducts LED heat to optimize performance and extend lifespan.
- Optical-electrical separation design ensures excellent heat dissipation.
- The LED housing is hermetically sealed against moisture and contaminants, with an IP66 rating.
- Multiple installation hole specifications are reserved for non-explosive and explosive environments.

Optics

- Available in lumen packages with lumen output ranging from 3,700lm to 24,400lm.
- Optional Type III light type for precise projection and less light pollution.
- The PC lens optimizes light uniformity and controls glare.



LED Module

- Light engines are available in color selectable version, the CCT can be changed to three CCTs (3000K, 4000K, 5000K).
- CRI > 80, guaranteeing accurate and outstanding color rendering.

Electrical

- Universal 120-277 VAC or 120-347VAC or 277-480 VAC input voltage.
- Each model supports 3 levels wattage field-selectable.
- 0-10V dimmable, down to 10%.
- PF > 0.9, THD < 20% (Excluding 23W).
- Standard surge suppression 6KV.optional SPD 10KV (120-277V) and 20KV (277-480V or 120-347VAC).
- Operating Temperature Range: -40°C to +50°C (-40°F to +122°F).

Controls

- Optional microwave sensor.
- Optional bluetooth sensor or bluetooth controller.

Applications

- Suitable for commercial buildings, parking lots, gas stations, secure entrances, exterior, and more.

Lifespan

- Estimated 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Warranty

- Five-year limited warranty.

Certifications

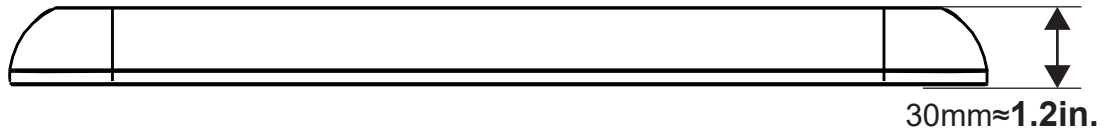
- UL cUL wet location listed.

Note

- Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C (±5°C). Specifications subject to change without notice.

ULTRA-THIN DESIGN

Ultra-thin gas station fixture: breaking free from traditional bulk! Efficient installation, energy-saving durability, precise lighting & safety protection—fully meets gas station needs.



WATTAGE SELECT

Each model supports 3 positions wattage regulation: LV1, LV2, LV3.

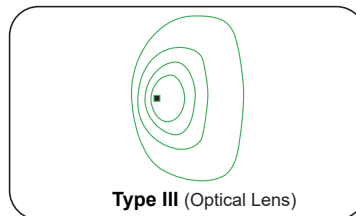
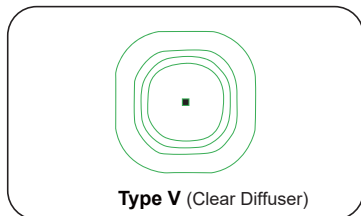


CCT SELECT

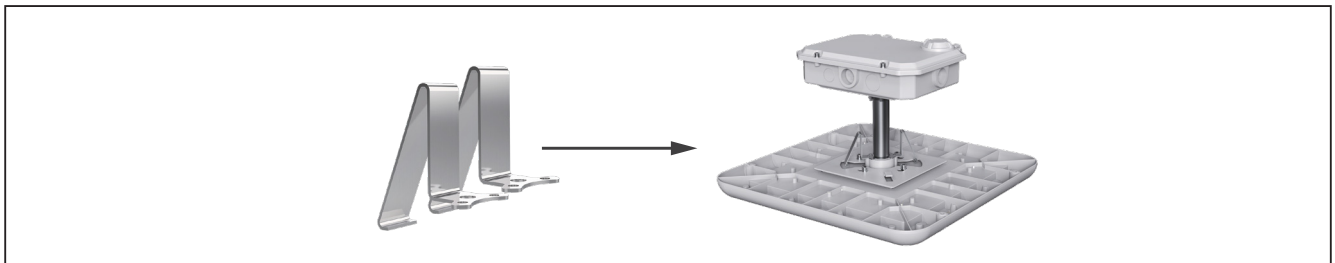
Offer three CCT selectable (3000K, 4000K, 5000K)



PHOTOMETRICS



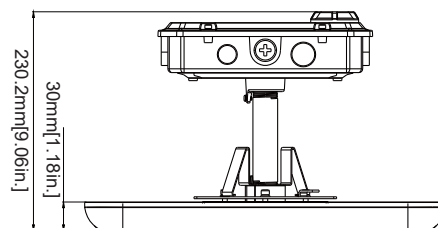
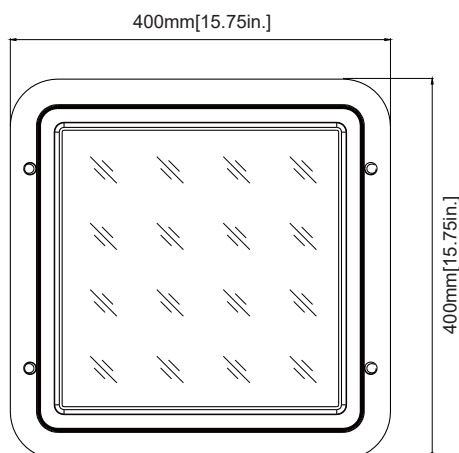
SPRING FITTING



Back spring clip design enables easy single-person installation, even at higher mounting heights, cutting construction difficulty and cost significantly.

DIMENSION

Unit: mm/inch



PERFORMANCE DATA

VGC02 72W								
SETTING	SYSTEM WATTS	Distribution	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
LV1	72W	Clear Diffuser	12000lm	167lm/W	12900lm	179lm/W	12500lm	174lm/W
LV2	45W		7800lm	173lm/W	8100lm	180lm/W	8100lm	180lm/W
LV3	23W		4000lm	174lm/W	4000lm	174lm/W	4100lm	178lm/W

VGC02 72W								
SETTING	SYSTEM WATTS	Distribution	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
LV1	72W	Type III	11000lm	153lm/W	11900lm	165lm/W	11500lm	160lm/W
LV2	45W		7200lm	160lm/W	7500lm	167lm/W	7500lm	167lm/W
LV3	23W		3700lm	161lm/W	3700lm	161lm/W	3800lm	165lm/W

VGC02 140W								
SETTING	SYSTEM WATTS	Distribution	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
LV1	140W	Clear Diffuser	22700lm	162lm/W	24400lm	174lm/W	24000lm	171lm/W
LV2	112W		18500lm	165lm/W	19800lm	176lm/W	19500lm	174lm/W
LV3	84W		14300lm	170lm/W	15200lm	180lm/W	15000lm	179lm/W

VGC02 140W								
SETTING	SYSTEM WATTS	Distribution	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
LV1	140W	Type III	20800lm	149lm/W	22600lm	161lm/W	22000lm	157lm/W
LV2	112W		17000lm	152lm/W	18200lm	163lm/W	17900lm	160lm/W
LV3	84W		13100lm	156lm/W	14000lm	167lm/W	13800lm	164lm/W

ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	310	72	120	0.60
		72	208	0.35
		72	240	0.30
		72	277	0.26
		72	347	0.21
		72	480	0.15
1	600	140	120	1.17
		140	208	0.67
		140	240	0.58
		140	277	0.51
		140	347	0.40
		140	480	0.29

ORDERING GUIDE

VGC02 140W 27V DDK Y Y Y Y

Fixture Type	Wattage	Input Voltage	CCT	Finish	Lens	CCT and Wattage Selectable	Internal Code
VGC02 Gas Station Light	140W (140W/112W/ 84W)Selectable 72W (72W/45W/ 23W)Selectable	27V 120-277V 34V 120-347V 48V 277-480V	DDK Field-selectable color temperature 3000K/4000K/ 5000K	D Dark Bronze B Black W White SG Silver Gray	CD Clear Diffuser T3 Type III	AD With Selectable Switch MAD Motion Sensor and Power Selectable Switch	Blank Alphanumeric