

GUS2



PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____

GUS4



KEY FEATURES

- Energy-efficient, maintenance-free wrap fixture, available in two sizes and following wattages:
2 Ft: 18W and 25W
4 Ft: 36W and 50W
- Available CCT: **3000K, 3500K, 4000K and 5000K**
- Available with **smart controls**. Multi-sensor **remote** sold separately.
- UL Listed for **damp** locations
- **0-10V** dimming
- 5-Year, limited warranty



0-10V



100,000 HOURS



POWERED BY LIGHTCLOUD



BATTERY BACKUP



DAMP RATED

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed

Suitable for damp locations

Trade Agreements Act Compliant:

This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

DLC Listed

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements. DLC product ID:

GUS2-18W : P3XNNF50

GUS2-25W: PZTC3JT3

GUS4-36W: PWJ8PHRN

GUS4-50W: PURSGBQQ

LED CHARACTERISTICS

LEDs

Long-life, high-efficacy, discrete, surface-mount LEDs

Color Stability

LED Color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

Color Uniformity

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

CONSTRUCTION

Maximum Ambient Temperature

Suitable for use in up to 40°C (104°F)

Mounting

Surface mount. Can be mounted with chains or vhooks by others.

Housing

Die-formed 22 gauge, cold-rolled, post-painted steel. Post painting improves durability of the finish and eliminates the sharp edges making handling and installation safer.

Lens

Acrylic lens with diffusion for enhanced optical performance

Reflector:

Aluminum with high-reflectance (91%) powder coat applied post production for a more durable finish

Finish

Formulated for high durability and long-lasting color

Green Technology

Mercury and UV free. RoHs-compliant components.

PERFORMANCE

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

Wattage Equivalency:

Equivalent to (2) F32T8

TECHNICAL SPECIFICATIONS

ELECTRICAL

Drivers:

Constant Current, Class 2, Class P, 120-277V, 50/60 Hz,
GUS2 18W: 120V: 0.16A, 208V: 0.09A, 240V: 0.08A, 277V: 0.07A
GUS2 25W: 120V: 0.20A, 208V: 0.12A, 240V: 0.11A, 277V: 0.09A
GUS4 36W: 120V: 0.30A, 208V: 0.18A, 240V: 0.15A, 277V: 0.13A
GUS4 50W: 120V: 0.38A, 208V: 0.26A, 240V: 0.23A, 277V: 0.17A

Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems.
 Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:

GUS2 18W: 6.48% at 120V, 11.46% at 277V
GUS2 25W: 9.45% at 120V, 10.48% at 277V
GUS4 36W: 4.29% at 120V, 3.46% at 277V
GUS4 50W: 3.33% at 120V, 5.42% at 277V

Power Factor:

GUS2 18W: 98.7% at 120V, 96.9% at 277V
GUS2 25W: 98.1% at 120V, 92.1% at 277V
GUS4 36W: 99.6% at 120V, 95.8% at 277V
GUS4 50W: 99.7% at 120V, 96.6% at 277V

Surge Protection

2 kV

Battery Backup:

Battery backup will operate the fixture 90 minutes if power fails. Wired for 120-277V

Battery Backup Light Loss Factor:

GUS2:

22W: 0.39
 17W: 0.52
 11W: 0.78

GUS4:

44W: 0.36
 33W: 0.48
 22W: 0.72

PASSIVE INFRARED OCCUPANCY SENSOR (OPTIONAL)

Maximum Mounting Height: 13 ft

Voltage: 12V DC (+3V-0V)

Dimming: 0-10V dimming output, max 20mA sinking current

Operating Temperature: -20°C to 50°C (-4°F to 122°F)

Storage Temperature: -25°C - 70°C (-13°F - 158°F)

Operating Humidity: 5% - 93% without condensation

IP Rating: IP20

Warm Up Time: 45s +/-5s

Standby (w): <0.3W

Module Interaction: Wire AWG 22 (Grey Dim -, Purple Dim +, Yellow 12V DC)

On-Time Adjustment: 10s, 5min, 10min, 30min with +/-5% tolerance

(Factory Setting: 30min +/-5%)

Bi-Level: 0, 10%, 30%, 50% with +/-5% tolerance (Factory Setting: 10%)

Debounce Time: Day to Night: 5s

Night to Day: 30s

Open Circuit: ProtectionNo

Short Circuit Protection: Yes

MICROWAVE OCCUPANCY SENSOR (OPTIONAL)

- 12VDC Input, IC Solution
- On/off control
- Operating Voltage: 10-15V
- Detection Area: 25%/50%/75%/100%
- Microwave Frequency: 5.8GHz ± 75MHz
- Hold Time: 5 sec/30 sec/1 min/10 min/20 min/30 min
- Microwave Power: <0.3mW
- Switching Capacity: <40mA
- Daylight Threshold: 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable
- Mounting Height: 2.5 - 4.5 m/8.2 - 14.76 ft
- Operating Current: < 30mA
- Stand-by Period: 0 sec/10 sec/30 sec/1 min/5 min/10 min/+∞
- Detection Range: 3 - 7 m/ 9.84 - 22.96 Ft
- Control Method: 0-10V
- Stand-by Dimming Level: 10%/20%/30%/50%
- Detection Angle: 360° (Ceiling Mounted)
- Operating Temperature: -35°C to 70°C

Factory Default Setting:

- Detection area 100%
- Hold time 5sec
- Daylight threshold Disable
- Stand-by period 0 sec
- Stand-by dimming level 10%.

LIGHTCLOUD CONTROLLER (OPTIONAL)

Lightcloud Controller:

Integrated/embedded networked lighting control, luminaire-level lighting control. Fixture, Zone, and plug-load control from one powerful device, LLLC-capable of switching, 0-10V dimming, power/energy monitoring. Can also be used to extend the range of the Lightcloud mesh network communication protocols. Offers the capability to set the maximum light output to a less-than-maximum state of an individual luminaire at the time of installation or commissioning. The High-End trim functionality is field reconfigurable via the Lightcloud mesh network communication protocols. The Lightcloud controller can be attached to the fixture, junction box, or electrical panel.

DLC system - N1XMLOEATBA

LIGHTCLOUD BLUE CONTROLLER (OPTIONAL)

Lightcloud Blue is a Bluetooth Mesh wireless lighting control system that allows you to control RAB's various compatible devices. With RAB's patent-pending Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and large commercial applications using the Lightcloud Blue mobile app. Each device in a system can communicate with any other device, eliminating the need for a Gateway or Hub and maximizing the control system's reach. Learn more at www.lightcloud.com

DLC system - N1XMLOEATBA

TECHNICAL SPECIFICATIONS

LIGHTCLOUD BLUE CONTROLLER (CONTINUED)

Gateway Required

No

Communication Protocol

Bluetooth Mesh

Range

Up to 60 feet between standard building materials

Up to 200 feet clear line of sight

Spacing Criteria

Lightcloud Blue devices should be placed within the specified range to communicate within the Bluetooth Mesh network.

Factory Reset

Method 1: Delete from App

Open the app and access the device settings for the paired device. Be sure that the device is online and select 'Delete'. The device will flash on/off 5 times and return to full brightness.

Method 2: Manual

Locate the device identification button at the top of the Controller under the Lightcloud logo. Press and hold this button for 10s or until the indicator light begins flashing red. If the Controller is attached to a fixture, the fixture will also flash on/off 5x.

Status Indicator

The status indicator light is located around the circumference of the top of the Controller.

Solid Green - Nano is paired to the Lightcloud Blue app

Flashing Red - Nano has been restored to default factory settings

Device Identification Button

Located at the top of the controller under the Lightcloud logo.

Once the Controller has been provisioned to the Lightcloud Blue mobile app this button offers the following functionality:

- Press once to rapid identify this device in the Lightcloud Blue mobile app
- Press twice to toggle circuit on and off
- Press twice and hold to set dim level
- Press and hold for 10s to reset the device to factory settings and into pairing mode

OTHER

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the BUY American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

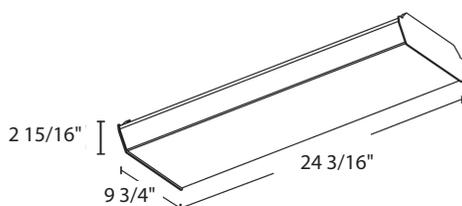
Warranty

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

DIMENSIONS

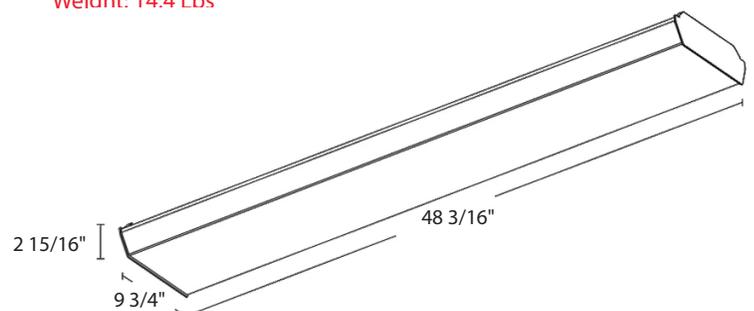
GUS2

Weight: 8.3 Lbs



GUS4

Weight: 14.4 Lbs



PERFORMANCE

GUS2	3000K	3500K	4000K	5000K
WATTAGE	25W			
INPUT WATTS	23W	23W	23W	23W
LUMENS	2,967	3,071	3,300	3,200
EFFICACY (LM/W)	129	132	141	137
CRI	84	83	84	84
VOLTAGE RATINGS	120-277V			

GUS2	3000K	3500K	4000K	5000K
WATTAGE	18W			
INPUT WATTS	20W	20W	20W	21W
LUMENS	2,560	2,650	2,847	2,761
EFFICACY (LM/W)	127	130	140	135
CRI	84	84	84	84
VOLTAGE RATINGS	120-277V			

GUS4	3000K	3500K	4000K	5000K
WATTAGE	50W			
INPUT WATTS	47W	47W	47W	46W
LUMENS	6,111	6,225	6,596	6,349
EFFICACY (LM/W)	130	134	141	137
CRI	84	83	84	84
VOLTAGE RATINGS	120-277V			

GUS4	3000K	3500K	4000K	5000K
WATTAGE	36W			
INPUT WATTS	36W	37W	36W	35W
LUMENS	4,671	4,758	4,672	4,853
EFFICACY (LM/W)	129	128	131	137
CRI	84	83	84	84
VOLTAGE RATINGS	120-277V			

ORDERING MATRIX

GUS

Family	Wattages/Size	Color Temp	Finish	Driver/Voltage	Options				
GUS			W	/D10					
18	18W, 2 ft	BLANK	5000K	W	White	/D10	120-277V, 0-10V Dimming	BLANK	No Option
25	25W, 2 ft	N	4000K					/E2*	Battery Backup
36	36W, 4 ft	YN	3500K					/LC	Lightcloud® Controller
50	50W, 4 ft	Y	3000K					/LC/E2*	Lightcloud® Controller w/ Battery Backup
								/LCB	Lightcloud® Blue-enabled
								/LCB/E2*	Lightcloud® Blue-enabled w/ Battery Backup

* Battery backup option only on 4ft models