# GRAZE DUAL PIXEL RGBW

Dual Bending · Pixel RGBW

Date | Fixture type

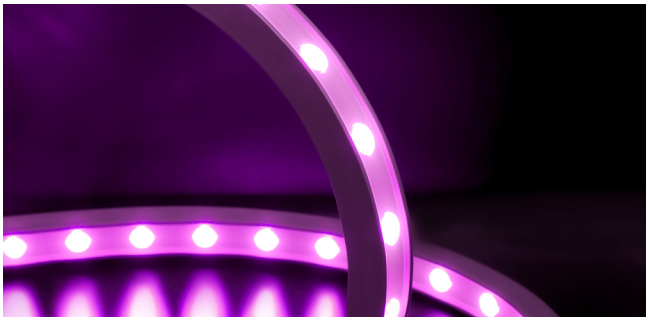
Project name | Project phase

## Features

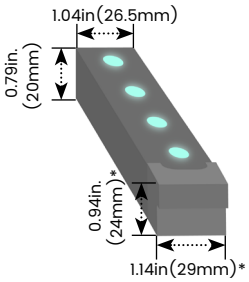
- Top & side-bending flexible grazer with addressable RGBW
- IP67 rated, ideal for outdoor uses
- 3 years warranty

## Applications

Front desk, hallways, offices, displays, facades, lobbies, etc.

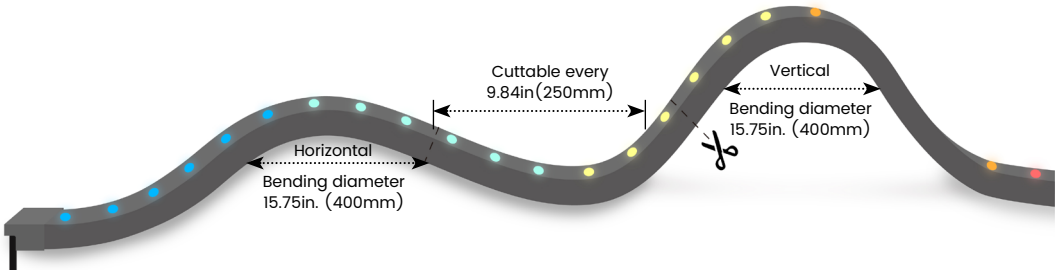


## Dimensions




*1.14 × 0.94in. (29 × 24mm) refers to the end cap dimensions.

## Bending Directions & Diameters




## Order Code

| Model | Environment | Voltage | CCT | Power | End Cap |
|---|---|---|---|---|---|
| **GD35**<br>**GD3045** | **W7**-Wet (IP67) | **24V**-DC24V | **PRGBW27K**-Pixel RGBW2700K<br>**PRGBW30K**-Pixel RGBW3000K<br>**PRGBW35K**-Pixel RGBW3500K<br>**PRGBW40K**-Pixel RGBW4000K | **5.5**-5.49W/ft | **PEC** Plastic |

## Assembly Builder

| Left Feed Entry | | |
|---|---|---|
| **B** Bottom | **OW** | Open wire 3.28ft (1m) |
| **C** Closed | **MC** | Male connector with 11.81in. (300mm) cable |
| | **FC** | Female connector with 11.81in. (300mm)cable |
| | **NA** | Only for Closed Feed Entry |

## Assembly Builder

| Right Feed Entry | | | Length | |
|---|---|---|---|---|
| **B** Bottom | **OW** | Open wire 3.28ft (1m) | **Max. nominal** | 16.4ft (5m) |
| **C** Closed | **MC** | Male connector with 11.81in. (300mm) cable | **Increment** | 9.84in. (250mm) |
| | **FC** | Female connector with 11.81in. (300mm)cable | | |
| | **NA** | Only for Closed Feed Entry | | |

*We will list the nearest actual manufacturing length on the quotation, based on your requested length.

## Mounting Order Code

| Product Code |
|---|
| Please select on the Mounting Options page |

# GRAZE DUAL PIXEL RGBW

Dual Bending · Pixel RGBW

## Lumen Output (lm/ft)

| CCT | 35° | 30*45° |
|---|---|---|
| R | 41 | 41 |
| G | 101 | 101 |
| B | 20 | 20 |
| W27K | 105 | 105 |
| W30K | 109 | 109 |
| W35K | 111 | 111 |
| W40K | 111 | 111 |
| PRGBW27K | 241 | 241 |
| PRGBW30K | 249 | 249 |
| PRGBW35K | 256 | 256 |
| PRGBW40K | 256 | 256 |
| Max. Run for Class 2* | 14.6ft (4.5m) | 14.6ft (4.5m) |
| Max. Run Supported Length | 16.4ft (5m) | 16.4ft (5m) |

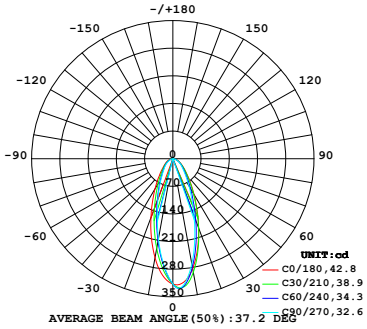
*Typically installations in USA and Canada comply with Class 2 requirements

## Techinical Details

| | |
|---|---|
| Efficacy | 45lm/W @PRGBW30K 30*45° |
| CRI | Ra≥80 |
| IC Model | UCS512HE |
| Pixel Size | 9.8in./pixel (250mm/pixel) |
| Storage Temperature | -13°F~104°F (-25°C~ 40°C) |
| Operating Temperature | -13°F~104°F (-25°C~ 40°C) |

## Photometry

GD3045-W7-24V-RGBW27K-5.5-PEC-B-OW-B-OW
GRAZE DUAL PIXEL RGBW, Dual Bend, 35*45°, RGBW27K, 5.49W/ft

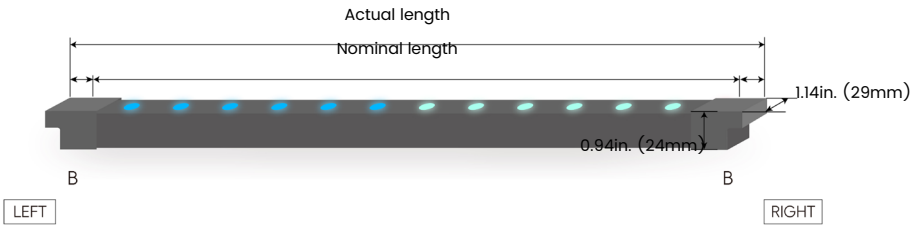


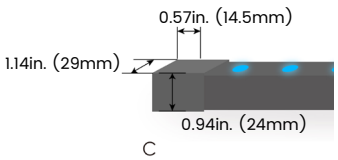

Zonal Lumen Summary

| Zone | Lumen | % Fixture |
|---|---|---|
| 0-30 | 133.0 | 55.0% |
| 0-40 | 171.2 | 70.8% |
| 0-60 | 219.3 | 90.6% |
| 0-90 | 240.1 | 99.2% |
| 0-180 | 241.9 | 100.0% |

## Feed Entry / End Cap Options

**PEC: Plastic end cap – IP67, factory-made only**

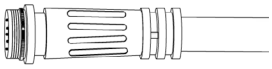



## Connector Wire Options



**OW:** Open wire, **Dry only**
Standard 3.28ft (1m),20 AWG,
wire length customizable

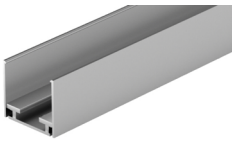
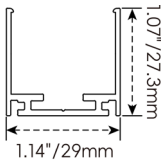


**MC:** Male connector, **Wet**
Standard 11.81in. (300mm), 20 AWG



**FC:** Female connector, **Wet**
Standard 11.81in. (300mm), 20 AWG

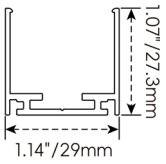
## Mounting Options



**GD-SC**

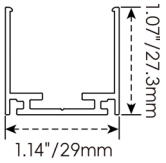
| | |
|---|---|
| Name | Straight surface channel |
| Material | Aluminum |
| Standard Length | 37.6in. (955mm) |




**GD-BCA**

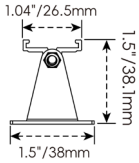
| | |
|---|---|
| Name | Bendable surface channel |
| Material | Aluminum |
| Standard Length | 37.6in. (955mm) |
| Min. Bending Radius | 11.81in. (300mm) |



**GD-CL**

| | |
|---|---|
| Name | Mounting clip |
| Material | Aluminum |
| Standard Length | 1.18in.(30mm) |



**GD-AC**

| | |
|---|---|
| Name | Adjustable clip |
| Material | Aluminum |
| Standard Pkg | 1pcs |
| *Must be used with matching channel and mounting clip | |

## Additional Accessories (Optional, purchase for extra)



**MCB-5P-67**
Male connector,
11.81in. (300mm) black cable,
5 pin, IP67, Wet, 20 AWG



**FCB-5P-67**
Female connector,
11.81in. (300mm) black cable,
5 pin, IP67, Wet, 20 AWG

# GRAZE DUAL PIXEL RGBW



## Drivers

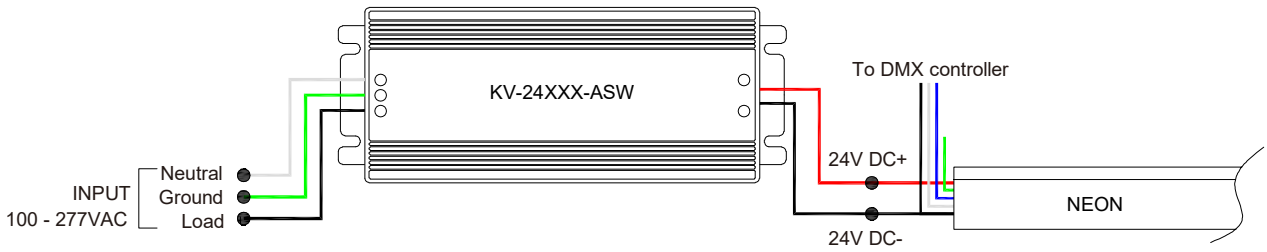
**Non-dimmable**

| Code | Max Load | Input | Output | Class 2 | With Junction Box | Environment | Size (L x W x H) |
|---|---|---|---|---|---|---|---|
| KV-24030-ASW | 30W | 100-277VAC | 24V | Yes | No | Dry/Damp | 6.1 x 2.1 x 0.8in. (155 × 54 × 20 mm) |
| KV-24060-ASW | 60W | 100-277VAC | 24V | Yes | No | Dry/Damp | 7 x 2.4 x 0.9in. (178 × 61 × 24 mm) |
| KV-24096-ASW | 96W | 100-277VAC | 24V | Yes | No | Dry/Damp/Wet | 9.1 x 2.8 x 1.7in. (230 × 70 × 43 mm) |

**Controllers Options**

| Code | Description |
|---|---|
| DINA-DR micro | DMX 60 channels, DMX Stand Alone controller with 10 scenes, USB connectivity for programming |
| SLESA-U9 | DMX 256 channels, USB connection, standalone mode with 1 area and 20 scenes |
| STICK-GA2 | DMX 512 channels, ready to use (pre-loaded with 8 scenes and 170 RGB fixtures) |
| STICK-CW4 | DMX 1024 channels, up to 36 scenes stored and directly recalled via 6 touch sensitive buttons |

## Wiring Diagram



# GRAZE DUAL PIXEL RGBW



## 24V Voltage Drop & Maximum Wire Length Chart

Based on 24V voltage with a 3% voltage drop allowance. Indicates the maximum wire length from the power supply to the start of the run.

| Total load | 8AWG | 10AWG | 12AWG | 14AWG | 16AWG | 18AWG | 20AWG | 22AWG |
|---|---|---|---|---|---|---|---|---|
| 10W / 0.4A | 1588ft (484.0m) | 999ft (304.5m) | 628ft (191.4m) | 395ft (120.4m) | 248ft (75.5m) | 156ft (47.5m) | 98ft (29.8m) | 61ft (18.5m) |
| 20W / 0.8A | 794ft (242.0m) | 499ft (152.1m) | 314ft (95.7m) | 197ft (60.0m) | 124ft (37.8m) | 78ft (23.7m) | 49ft (14.9m) | 30ft (9.1m) |
| 30W / 1.3A | 529ft (161.2m) | 333ft (101.5m) | 209ft (63.7m) | 131ft (39.9m) | 82ft (24.9m) | 52ft (15.8m) | 32ft (9.7m) | 20ft (6.1m) |
| 40W / 1.7A | 397ft (121.0m) | 249ft (75.9m) | 157ft (47.8m) | 98ft (29.8m) | 62ft (18.9m) | 39ft (11.8m) | 24ft (7.3m) | 15ft (4.5m) |
| 50W / 2.1A | 317ft (96.6m) | 199ft (60.6m) | 125ft (38.1m) | 79ft (24.0m) | 49ft (14.9m) | 31ft (9.4m) | 19ft (5.7m) | 12ft (3.6m) |
| 60W / 2.5A | 264ft (80.4m) | 166ft (50.6m) | 104ft (31.7m) | 65ft (19.8m) | 41ft (12.5m) | 26ft (7.9m) | 16ft (4.8m) | 10ft (3.0m) |
| 70W / 2.9A | 226ft (68.8m) | 142ft (43.2m) | 89ft (27.1m) | 56ft (17.0m) | 35ft (10.6m) | 22ft (6.7m) | 14ft (4.2m) | 8ft (2.4m) |
| 80W / 3.3A | 198ft (60.3m) | 124ft (37.8m) | 78ft (23.7m) | 49ft (14.9m) | 31ft (9.4m) | 19ft (5.7m) | 12ft (3.6m) | 7ft (2.1m) |
| 90W / 3.8A | 176ft (53.6m) | 111ft (33.8m) | 69ft (21.0m) | 43ft (13.1m) | 27ft (8.2m) | 17ft (5.1m) | 10ft (3.0m) | 6ft (1.8m) |
| 100W / 4.2A | 158ft (48.1m) | 99ft (30.1m) | 62ft (18.9m) | 39ft (11.8m) | 24ft (7.3m) | 15ft (4.5m) | 9ft (2.7m) | 6ft (1.8m) |
| 110W / 4.6A | 144ft (43.8m) | 90ft (27.4m) | 57ft (17.3m) | 35ft (10.6m) | 22ft (6.7m) | 14ft (4.2m) | 9ft (2.7m) | 5ft (1.5m) |
| 120W / 5.0A | 132ft (40.2m) | 83ft (25.3m) | 52ft (15.8m) | 32ft (9.7m) | 20ft (6.1m) | 13ft (3.9m) | 8ft (2.4m) | 5ft (1.5m) |
| 130W / 5.4A | 122ft (37.1m) | 76ft (23.1m) | 48ft (14.6m) | 30ft (9.1m) | 19ft (5.7m) | 12ft (3.6m) | 7ft (2.1m) | 4ft (1.2m) |
| 140W / 5.8A | 113ft (34.4m) | 71ft (21.6m) | 44ft (13.4m) | 28ft (8.5m) | 17ft (5.1m) | 11ft (3.3m) | 7ft (2.1m) | 4ft (1.2m) |
| 150W / 6.3A | 105ft (32.0m) | 66ft (20.1m) | 41ft (12.5m) | 26ft (7.9m) | 16ft (4.8m) | 10ft (3.0m) | 6ft (1.8m) | 4ft (1.2m) |
| 160W / 6.7A | 99ft (30.1m) | 62ft (18.9m) | 39ft (11.8m) | 24ft (7.3m) | 15ft (4.5m) | 9ft (2.7m) | 6ft (1.8m) | 3ft (0.9m) |
| 170W / 7.1A | 93ft (28.3m) | 58ft (17.6m) | 36ft (10.9m) | 23ft (7.0m) | 14ft (4.2m) | 9ft (2.7m) | 5ft (1.5m) | 3ft (0.9m) |
| 180W / 7.5A | 88ft (26.8m) | 55ft (16.7m) | 34ft (10.3m) | 22ft (6.7m) | 13ft (3.9m) | 8ft (2.4m) | 5ft (1.5m) | 3ft (0.9m) |
| 190W / 7.9A | 83ft (25.3m) | 52ft (15.8m) | 33ft (10.0m) | 20ft (6.0m) | 13ft (3.9m) | 8ft (2.4m) | 5ft (1.5m) | 3ft (0.9m) |
| 200W / 8.3A | 79ft (24.0m) | 49ft (14.9m) | 31ft (9.4m) | 19ft (5.7m) | 12ft (3.6m) | 7ft (2.1m) | 4ft (1.2m) | 3ft (0.9m) |
| 210W / 8.8A | 75ft (22.8m) | 47ft (14.3m) | 29ft (8.8m) | 18ft (5.4m) | 11ft (3.3m) | 7ft (2.1m) | 4ft (1.2m) | 2ft (0.6m) |
| 220W / 9.2A | 72ft (21.9m) | 45ft (13.7m) | 28ft (8.5m) | 18ft (5.4m) | 11ft (3.3m) | 7ft (2.1m) | 4ft (1.2m) | 2ft (0.6m) |
| 230W / 9.6A | 69ft (21.0m) | 43ft (13.1m) | 27ft (8.2m) | 17ft (5.1m) | 10ft (3.0m) | 6ft (1.8m) | 4ft (1.2m) | 2ft (0.6m) |
| 240W / 10.0A | 66ft (20.1m) | 41ft (12.5m) | 26ft (7.9m) | 16ft (4.8m) | 10ft (3.0m) | 6ft (1.8m) | 4ft (1.2m) | 2ft (0.6m) |
| 250W / 10.4A | 63ft (19.2m) | 40ft (12.1m) | 25ft (7.6m) | 15ft (4.5m) | 9ft (2.7m) | 6ft (1.8m) | 3ft (0.9m) | 2ft (0.6m) |