

# RUSH CS Series

The Martin RUSH CS Series is a color LED cove lighting system designed to illuminate interior walls and other indoor spaces. These high output, cost effective lighting strips are a great fit for indoor lobbies, lounges or other spaces. The fixtures offer both basic and advanced control modes, allowing these venues the ultimate flexibility to establish the exact look they need without adding unneeded complexity to the lighting design, installation or operation. Designed to be easy to install and use, the RUSH CS Series is a perfect fit for a variety of applications.

Available in both wide and graze options in varying lengths, integrators can install up to 10 meters on a single Power Supply Unit (PSU). To power the units, the RUSH CS Series uses a hybrid power and data cable system that reduces wiring and installation costs by using a single cable for both power and data.

The series is available in a variety of sizes. The RUSH CS 300 Graze and 300 Wide are 303mm ( 11.9 in) in length. The RUSH CS 600 Graze and 600 Wide are 603mm ( 23.7 in) in length. The RUSH CS 900 Graze and 900 Wide are 903mm ( 35.6 in) in length. And the RUSH CS 1200 Graze is 1203mm ( 47.4 in) in length.

High-output indoor LED cove lighting fixture

Multiple control modes & pre-programmed CTC presets

Easy installation of up to 10m on a single PSU

## FEATURES

- CREE XP-E2 R/G/B LED
- 18 x 65° beam angle—Graze
- 124° beam angle—Wide
- Electronic dimming
- CTC preset control channel
- Easy mounting bracket system
- Hybrid power & data in/out
- DMX and RDM control

## TECHNICAL SPECIFICATIONS

### Physical

#### CS300 Wide

Length: 303 mm (11.9 in.)

Width: 46 mm (1.8 in.)

Height including bracket: 57 mm (2.2 in.)

Weight: 0.8 kg (1.8 lbs.)

#### CS300 Graze

Length: 303 mm (11.9 in.)

Width: 46 mm (1.8 in.)

Height including bracket: 65 mm (2.6 in.)

Weight: 1 kg (2.2 lbs.)

#### CS600 Wide

Length: 603 mm (23.7 in.)

Width: 46 mm (1.8 in.)

Height including bracket: 57 mm (2.2 in.)



## GALLERY



Weight: 1.1 kg (2.4 lbs.)

CS600 Graze  
Length: 603 mm (23.7 in.)  
Width: 46 mm (1.8 in.)  
Height including bracket: 65 mm (2.6 in.)  
Weight: 1.4 kg (3.1 lbs.)

CS900 Wide  
Length: 903 mm (35.6 in.)  
Width: 46 mm (1.8 in.)  
Height including bracket: 57 mm (2.2 in.)  
Weight: 1.5 kg (3.3 lbs.)

CS900 Graze  
Length: 903 mm (35.6 in.)  
Width: 46 mm (1.8 in.)  
Height including bracket: 65 mm (2.6 in.)  
Weight: 2 kg (4.4 lbs.)

CS1200 Wide  
Length: 1203 mm (47.4 in.)  
Width: 46 mm (1.8 in.)  
Height including bracket: 57 mm (2.2 in.)  
Weight: 1.8 kg (4.0 lbs.)

CS1200 Graze  
Length: 1203 mm (47.4 in.)  
Width: 46 mm (1.8 in.)  
Height including bracket: 65 mm (2.6 in.)  
Weight: 2.5 kg (5.5 lbs.)

Power Supply Unit  
Length: 302 mm (11.9 in.)  
Width: 195 mm (7.7 in.)  
Height: 58 mm (2.3 in.)  
Weight: 4.2 kg (9.3 lbs.)

Dynamic Effects  
Color mixing: RGB  
Color temperature control: Off, 2800 K, 3200 K, 4000 K, 5600 K, 7200 K  
Intensity: 0 - 100%

Control and Programming  
Control systems: DMX, RDM  
DMX channels: 3, 6  
DMX compliance: USITT DMX512/1990  
RDM compliance: ANSI E1.20

#### Optics

CS300/CS600/CS900/CS1200 Wide  
Light source: Cree XP-E2 RGB LEDs  
Beam angle: 124°  
Minimum LED lifetime: 50 000 hours (to >70% luminous output)\*

CS300/CS600/CS900/CS1200 Graze  
Light source: Cree XP-E2 RGB LEDs  
Beam angle: 18° x 65°  
Minimum LED lifetime: 50 000 hours (to >70% luminous output)\*  
*\*Figure obtained under manufacturer's test conditions*

Construction  
Housing: Aluminum  
Finish: Clear anodized (standard) or white (optional)  
Lens: Frosted polycarbonate  
Ingress protection: IP20  
RoHS compliant

Installation  
Orientation: Any  
Mounting: Direct with included brackets and user-supplied fasteners  
Minimum distance to illuminated surfaces: 0.2 m (8 in.)

Connections  
Mains input: C13 IEC 60320  
DMX in, out: 5-pin XLR  
Fixture DC power and data in, thru: 6-pin custom connectors

Electrical  
AC power: 100 -240 V nominal, 50/60 Hz  
Power supply unit: Auto-ranging electronic switch-mode  
DC output voltage: 36 V  
Maximum output current: 12 A  
Maximum power consumption: 485 W  
Mains inlet fuse: T 6.3 A, 250 V

Typical Power and Current  
Fixture power consumption: 12 W per foot +/- 1 W, PF 0.97 +/- 0.05  
*Power figures are typical, not maximum. Measurements made at nominal voltage. Allow for +/- 10% deviation. PF = Power factor.*

Thermal  
Cooling: Convection  
Maximum surface temperature: 55° C (131° F)  
Maximum ambient temperature (Ta max.): 40° C (104° F)  
Minimum ambient temperature (Ta min.): -30° C (-22° F)

Approvals

#### PSU

EU Safety: EN60950-1

EU EMC: EN 61000-4-2, EN61000-4-4, EN61000-4-5

US Safety: UL60950-1

US EMC: CFR 47 Part 15 Class A

Australia/NZ: Pending

#### Wide & Graze fixture

EU Safety: EN60598-2-1, EN62031, EN61347-1, EN61347-2-11, EN 62471, EN62493

EU EMC: EN55015, EN55103-2, EN55032, EN61000-3-2, EN61000-3-3, EN61547, EN61000-4-2, EN61000-4-4, EN61000-4-5

US Safety: UL 2018

US EMC: CFR 47 Part 15 Class A

Canadian Safety: CSA C22.2 No. 9.0

Australia/NZ: Pending

#### Included Items

User manual

Two adjustable mounting brackets

Power cables (supplied with RUSH CS Series PSU)

Power input cable, US type: IEC C13 female to NEMA 5-15P male, 1.5 m (4.9 ft.)

Power input cable, universal: IEC C13 female to bare ends, 1.5 m (4.9 ft.)

#### Accessories

##### Cables

Power + Data Extension Cable with 6-pin custom connectors, 1 m (3.3 ft.): P/N 91611846

Power + Data Extension Cable with 6-pin custom connectors, 5 m (16.4 ft.): P/N 91611847

Power + Data Extension Cable with 6-pin custom connectors, 10 m (32.8 ft.): P/N 91611848

#### Related Items

Martin® Software Uploader 1: P/N 91611399

#### Ordering Information

##### Wide Lighting Fixtures

RUSH® CS300 Wide, 124° (1 ft., RGB): P/N 90480175

RUSH® CS600 Wide, 124° (2 ft., RGB): P/N 90480185

RUSH® CS900 Wide, 124° (3 ft., RGB): P/N 90480195

RUSH® CS1200 Wide, 124° (4 ft., RGB): P/N 90480205

##### Graze Lighting Fixtures

RUSH® CS300 Graze, 18°x 65° (1 ft., RGB): P/N 90480170

RUSH® CS600 Graze, 18°x 65° (2 ft., RGB): P/N 90480180

RUSH® CS900 Graze, 18°x 65° (3 ft., RGB): P/N 90480190

RUSH® CS1200 Graze, 18°x 65° (4 ft., RGB): P/N 90480200

#### Power Supply Unit

RUSH® CS Series PSU: P/N 90480210

