

# Mini Box Cove (Plaster Trim)



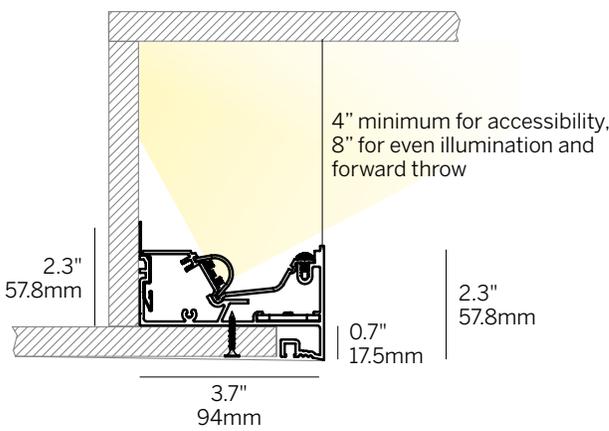
## Contents

- 1 overview
- 2 specifications / configurator
- 3 photometry

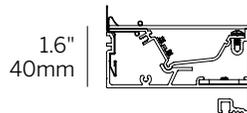


**Continuous, plaster-in square-fronted linear cove system for clean, minimal effect with optimized distribution for maximum throw of light from a small luminaire.**

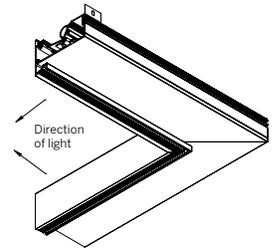
- Continuous surface wall mounted cove system that delivers an even wash of directed light to the ceiling above, and redirected light to softly illuminate the wall behind the fixture.
- Light source positioned for optimum vertical spread of illumination.
- Extruded aluminum housing, easily installed internal LED tray assembly. Remote driver. Field replaceable LED boards.
- Efficacy up to 169 lumens per watt (delivered) @ 3000K, see photometry page for details.
- 90+ CRI, 3 Step MacAdam (Static White).
- L70 (TM21 Projected 85°C) Static White / Tunable White / RGBW 50,000 hours. Warm Dim 36,000 hours.
- ETL and ETL-C for dry and damp locations, CE, Chicago Plenum.
- Satin clear diffuser for high efficiency and soft edge beam without striations.
- Lengths and angles factory cut to exact field dimensions. Standard and custom corners.
- Powdercoat painted.



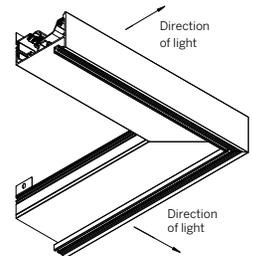
Snap On Satin Diffuser (SSD)



Satin Clear Wipedown Cover (SWC)



Pattern Coffin (PC)



Pattern Raft (PR)

Ordering Information									
Model	Fixation	Pattern	Length	Power <sup>3</sup>	CRI/CCT <sup>4</sup>	Driver <sup>5</sup>	Lens	Finish	Options
WG-MBC	RPT	S <sup>1</sup> PC <sup>2</sup> PR <sup>2</sup> PZ <sup>2</sup>	A A x B A x B x C A x B x A x B	P0 P1 P2 P3 P4  L M H	927 930 935 940 TW1840 TW2765  WD RGBW	E1 L1 D2DT6 D2DT8  D010 DPH L3DAE L3DOE	SSD (std) SWC	W (std) F	AWNRF BT CP LEC REC LREC EM

### Model

- WG-MBC = Mini Box Cove

### Fixation

- RPT = Recessed Plaster Trim

### Pattern

- S = Straight run<sup>1</sup>
- PC = Standard patterns coffer 2, 3 or 4 sided with 90° inside corners<sup>2</sup>
- PR = Standard patterns raft 2, 3 or 4 sided with 90° outside corners<sup>2</sup>
- PZ = Non-standard patterns and/or corners other than 90°, consult factory<sup>2</sup>

### Length

- A, B, C = specify inches to the nearest 0.25" (i.e. 72.25")  
For patterns specify each length (i.e. 2 sided: A x B = 72.25" x 48";  
3 sided: A x B x C; 4 sided: A x B x A x B)

### Power<sup>3</sup>

- P0 = 1.5 W/ft
- P1 = 3 W/ft
- P2 = 6 W/ft
- P3 = 10 W/ft
- P4 = 15 W/ft
- L = 2.7 W/ft WD low power (24V)
- M = 5.5 W/ft WD medium power (24V) [RGBW 7.6 W/ft]
- H = 8 W/ft WD high power (24V)

### CRI / CCT (90+ CRI minimum)<sup>4</sup>

- 927 = 2700K
- 930 = 3000K
- 935 = 3500K
- 940 = 4000K
- TW1840 = Tunable white 1800K - 4000K
- TW2765 = Tunable white 2700K - 6500K
- WD = Warm Dim 1800K - 3000K
- RGBW = 3000K White

### Driver (remote)<sup>5</sup>

- E1 = eldoLED 0.1% dimming, 0-10V (120-277V)
- L1 = Lutron 1% dimming, EcoSystem (120-277V)
- D2DT6 = DALI-2 (DT6), 0.1% dimming (120-277V)
- D2DT8 = DALI-2 (DT8), 0.1% dimming (120-277V) [TW only]
- D010 = eldoLED, 10%, 0-10V dimming, 120-277V [WD only]
- DPH = Phase Dimming, 1% dimming, 120V only [WD only]
- L3DAE = Lutron Hi-lume 1% EcoSystem, 120-277V [WD only]
- L3DOE = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V [WD only]
- EL96 = eldoLED 0-10V, 0.1% dimming (120-277V) [WD only]
- DALI = eldoLED DALI (DT6), 0.1% dimming (120-277V) [WD only]
- DMX = eldoLED 24V, DMX dimming [WD + RGBW Only]

### Lens

- SSD = Snap On Satin Diffuser (standard)
- SWC = Satin Clear Wipedown Cover

### Finish

- W = White, 15% gloss, RAL 9010 (standard)
- F = Custom finish, specify RAL

### Options

- AWNRF = Lutron Athena Wireless Node RF (specify with E1, D2DT6, D2DT8, EL96 or DALI)
- BT = Wireless CAS – Casambi (specify with E1, D2DT6, D2DT8, D010, EL96, DALI or DMX)
- CP = Chicago Plenum rated, complies with CCEA requirements
- LEC = Left end cap
- REC = Right end cap
- LREC = Left & Right end caps
- EM = Emergency LED driver (remote)

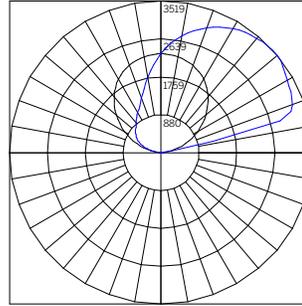
- Standard setup assumes the cove ends at a perpendicular wall and the LED board is setback from the end to minimize light on the perpendicular wall. Contact us for options.
- See pattern specs sheet.
- Wattage shown does not include power supplies/drivers.
- See photometric data sheet for delivered lumens.
- See power supply page for details.

# Mini Box Cove (Plaster Trim)

## WG-MBC-...-SSD-W<sup>1</sup>

Delivered Lumens Per Foot

	Power							
	P0 [1.5 W/ft]	P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]	P4 [15 W/ft]	L [2.7 W/ft]	M [5.5 W/ft] <sup>3</sup>	H [8.0 W/ft]
CCT								
927	243	470	884	1358	2001	-	-	-
930	254	490	920	1415	2084	-	-	-
935	263	507	953	1466	2182	-	-	-
940	265	520	978	1505	2241	-	-	-
TW <sup>2</sup>	141	255	457	694	-	-	-	-
WD <sup>2</sup>	-	-	-	-	-	204	424	613
RGBW <sup>3</sup>	-	-	-	-	-	-	346	-



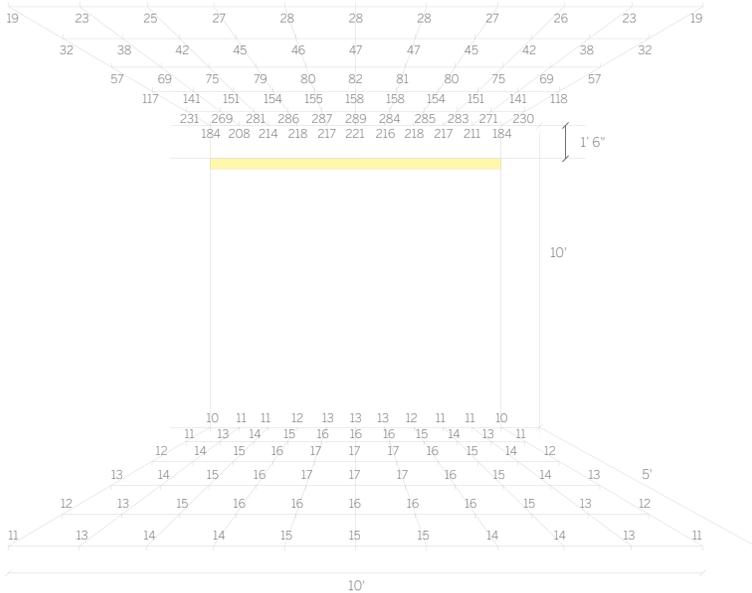
Beam Angle (0-180) = 53.4  
Beam Angle (90-270) = 115.9

	Power Multiplier							
	P0 [1.5 W/ft]	P1 [3 W/ft]	P2 [6 W/ft]	P3 [10 W/ft]	P4 [15 W/ft]	L [2.7 W/ft]	M [5.5 W/ft] <sup>3</sup>	H [8.0 W/ft]
9XX	0.12	0.23	0.44	0.67	1.00	-	-	-
TW	0.06	0.12	0.21	0.32	-	-	-	-
WD	-	-	-	-	-	0.09	0.19	0.28
RGBW	-	-	-	-	-	-	0.16	-

- 1 Polar Plot and Isofootcandle diagram are applicable to part number noted; use Multiplier table(s) to approximate other Power / CCT options.
- 2 TW lumen data at maximum output (4000K). WD lumen data at maximum output (3000K).
- 3 RGBW lumen data at maximum output with 3000K White LED. M-**RGBW** power level wattage is 7.6W/ft.

CCT Multiplier			
927	930	935	940
0.92	0.95	1.00	1.03

## WG-MBC-SW-S-...-P2-935-...-SSD-W 10'-0" ceiling height



Surface reflectances:

80% Ceiling  
50% Wall  
20% Floor

Illuminance points are spaced 1'-0" on center.  
Illuminance values are shown in units of foot-candles.

## WG-MBC-SW-S-...-P4-935-...-SSD-W 20'-0" ceiling height

