Mini Box Cove

BAA / BABA

inter•lux

Contents

1 overview
2 specifications / configurator
3 photometry

QS Quick Ship Available

Classic square-fronted continuous linear cove system for clean, minimal effect with optimized distribution for maximum throw of light.

- 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 Dust Cover (SDC)

Pattern Coffer (PC)

Pattern Raft (PR)

Plane To Plane
Inside Corner (PPI)

Plane To Plane
Outside Corner (PPO)

Mini Box Cove

inter•lux

Ordering Information

Model	Fixation	Pattern	Length	Power[3]	CRI/CCT[4]	Driver[5]	Lens	Finish	Options
WG-MBC	SW								
WG-MBC	SW	S[1] PC[2] PR[2] PPI[2] PPO[2] PZ[2]	A A x B A x B x C A x B x A x B	P0 P1 P2 P3 P4	927 930 935 940 TW1840 TW2765	E1 L1 D2DT6 D2DT8	SSD (std) SDC	W (std) F	AWNRF BT CP LEC REC LREC EM
				L M H	WD RGBW	D010 DPH L3DAE L3D0E EL96 DALI DMX			

Model
- WG-MBC = Mini Box Cove

Fixation
- SW = Surface Wall Mount

Pattern
- S = Straight run[1]
- PC = Standard patterns coffer 2, 3 or 4 sided with 90° inside corners[2]
- PR = Standard patterns raft 2, 3 or 4 sided with 90° outside corners[2]
- PPI = Wall to wall / wall to ceiling, 90° inside corner[2]
- PPO = Wall to wall / wall to ceiling, 90° outside corner[2]
- PZ = Non-standard patterns and/or corners other than 90°, consult factory[2]

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[3]
- 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)[4]
- 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)[5]
- 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]
- L3D0E = 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)
- SDC = Satin Clear Dust 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)

1 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.
2 See pattern specsheet.
3 Wattage shown does not include power supplies/drivers.
4 See photometric data sheet for delivered lumens.
5 See power supply page for details.

Mini Box Cove

inter•lux

WG-MBC-...-SSD-W
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][2]	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[1]	141	255	457	694	-	-	-	-
	WD[1]	-	-	-	-	-	204	424	613
	RGBW[2]	-	-	-	-	-	-	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][2]	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	-

CCT Multiplier			
927	930	935	940
0.92	0.95	1.00	1.03

1 TW lumen data is for cool white (4000K) WD lumen data is for warm white (3000K). Use multiplier table(s) to approximate other Power / CCT options.

2 RGBW lumen data is for maximum output (4000K). Use LED Lumen Multiplier table(s) to approximate other Power / CCT options.

3 Polar Plot and data are for cool white (4000K) TW tape LED. Use LED Lumen Multiplier table(s) to approximate other Power / CCT options.

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

WG-MBC-SW-S-...-P4-935-...-SSD-W
20'-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.