# Coves
Perimeter
Features

whitegoods

whitegoods

Whitegoods has developed another range of minimal lighting tools, which utilize the form factor of LED to reduce even further their visual impact, and of course they all hold true to our constant principles.

Our Philosophy

– Reduction of detail
– Seamless architectural integration
– Logical, modular systems and families
  of products
– Ease of specification, installation
  and maintenance

Flexible design
Modular manufacturing
Ease of specification
Speed of delivery
Easy Installation
and maintenance
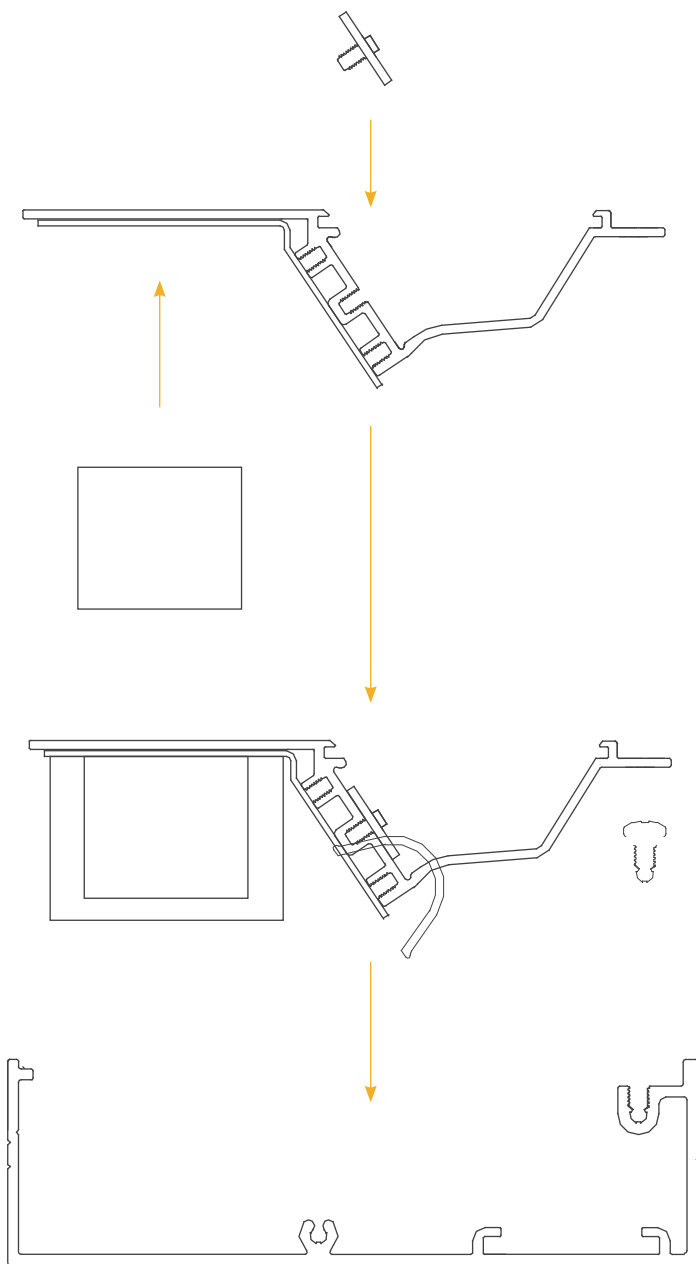
LED

High performance, quality led technology
>90 CRI, 3-Step MacAdam, 2700-4000K white
120 Lumens/watt average (delivered)
RA 91-94 (2700K - 4000K)
Conformal coated for protection against humidity standard
Standardized led is used in all Whitegoods Coves, Perimeters
and Linears to ensure color and performance uniformity

Reflector

Low angle forward throw reflector with max beam at
125 degrees
Back light reflector delivers soft, even illumination above
and on the back wall of the cove
Snap-on diffuser and optional dust cover

Driver

Compatible with all dimming systems and POE
Integral and remote drivers available
Top quality dimmable drivers for complete
dimming range

Gear Tray

Unitized assembly of all electronic components simplifies
manufacturing, installation and maintenance
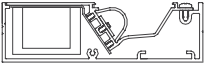Standard and custom illuminated corners are available

Housing

Housings finished and stocked for quick shipment
Precision extruded aluminum for true dimensions and
tolerances
Housing provided in standard and any custom length
Standard and non-standard corners factory fabricated
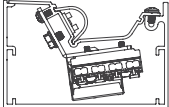Made in the USA
5-year warrantee
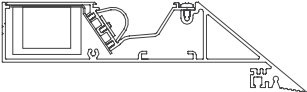
Cove + Perimeter Luminaires
for every application
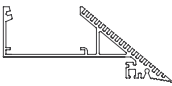
Coves

Box Cove
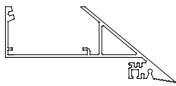Surface Mount

NEW

Box Cove 2
Surface/Mullion Mount

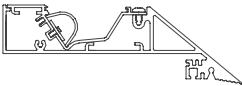

Edgeless Cove
Plaster Trim

Edgeless P Nose Cove
Plaster Trim

Edgeless Nose Cove
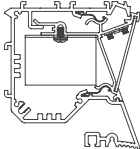Plaster Trim

Mini Coves
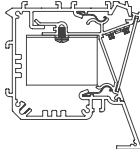

Mini Edgeless Cove
Plaster Trim
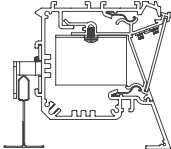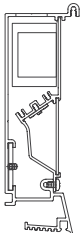

Mini Box Cove
Surface Mount
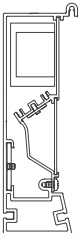
Perimeter Coves

Z Cove
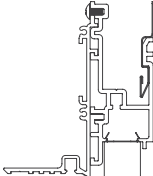Plaster Trim

Z Cove
Bezel Trim

Z Cove
Grid Trim
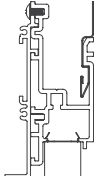
V Cove
Plaster Trim
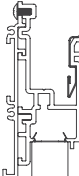
V Cove
Bezel Trim
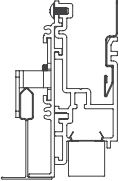
20 Linear Perimeter
Flush Lens Plaster Trim
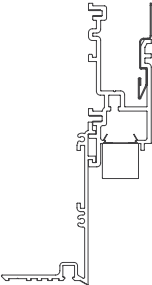
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Flush Lens Bezel Trim
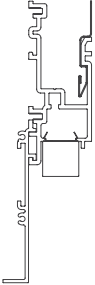
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Flush Lens Return Trim
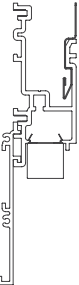
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Flush Lens Grid Trim
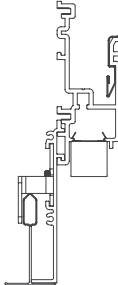
20 Linear Perimeter
Regressed Lens Plaster Trim

20 Linear Perimeter
Regressed Lens Bezel Trim
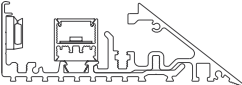
20 Linear Perimeter
Regressed Lens Return Trim
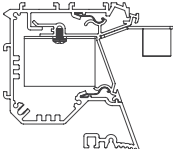
20 Linear Perimeter
Regressed Lens Grid Trim
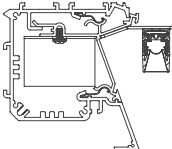
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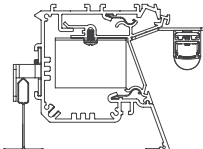
20 Mini Edgeless Cove
Plaster Trim
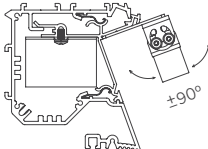
20 Z Cove Graze
Plaster Trim
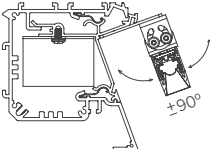
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Bezel Trim
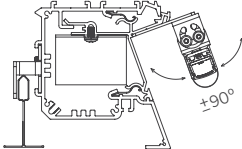
20 Z Cove Graze
Grid Trim

±90°
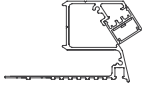
20 Z Cove Adjustable Graze
Plaster Trim

±90°

20 Z Cove Adjustable Graze
Bezel Trim

±90°

20 Z Cove Adjustable Graze
Grid Trim

20 Mini Z Cove
Plaster Trim

Configuration logic

Whitegoods Cove and Perimeter luminaire systems can be specified to any length and in most any pattern. Our designed configuration software determines the exact dimensions required for each and every section. Corners are prefabricated in our factory to keep things simple in the field.

Coves: Coffer (Inside Corner)

Rear Mounting Surface

Rear Mounting Surface

Coves: Raft (Outside Corner)

Rear Mounting Surface
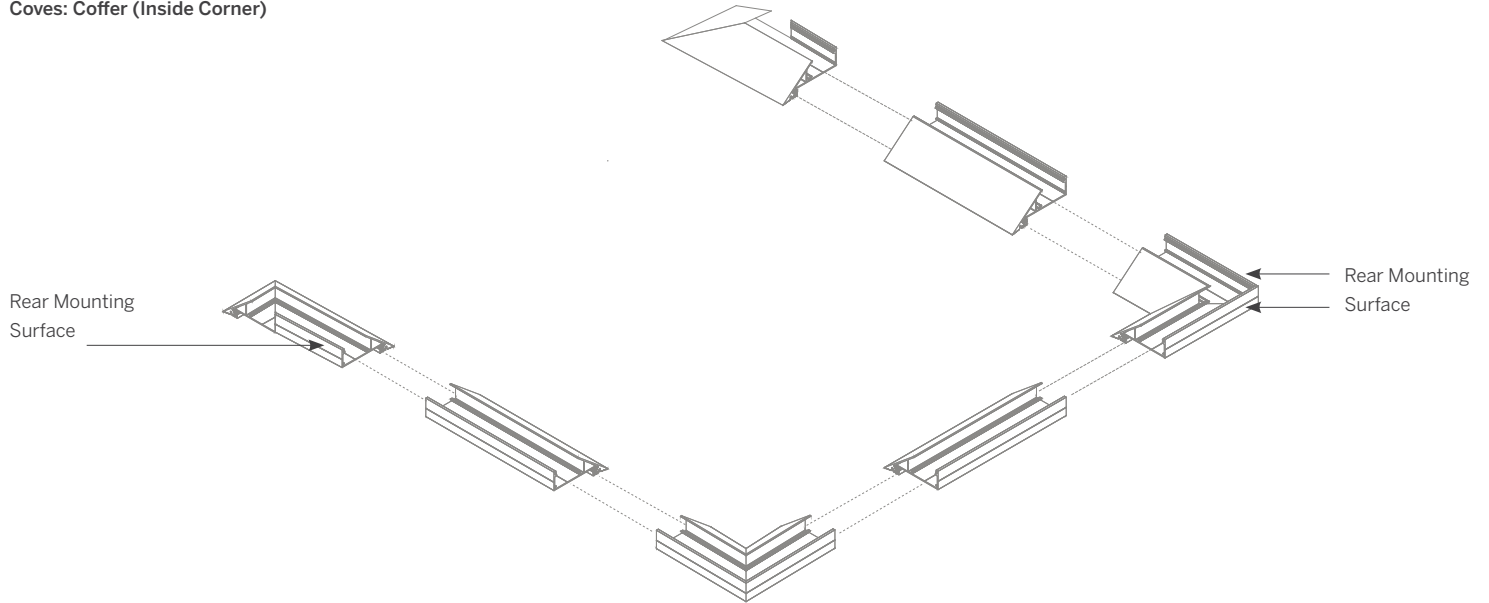
Measurement logic

A, B, C, = Wall Length

Coves: Coffer (Inside Corner)
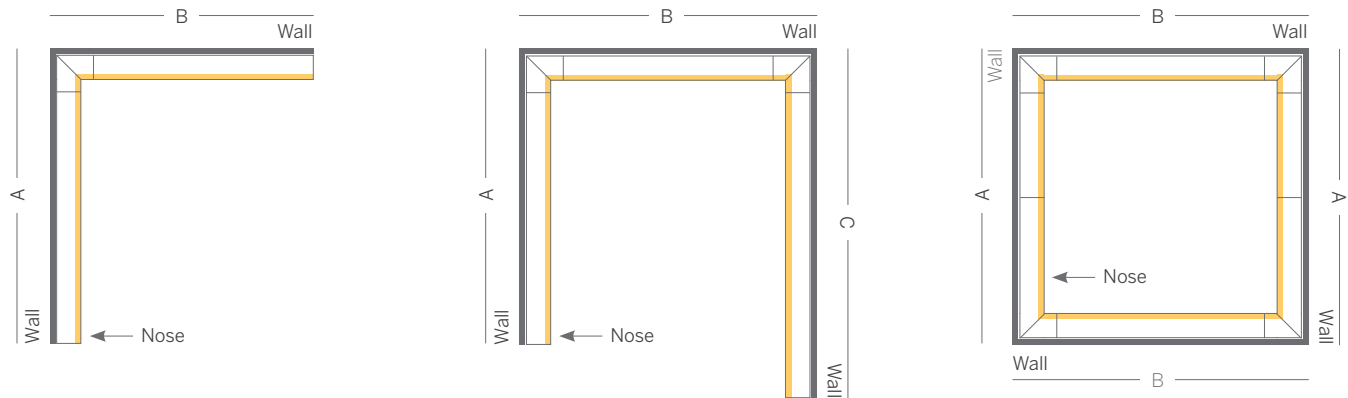
Coves: Raft (Outside Corner)
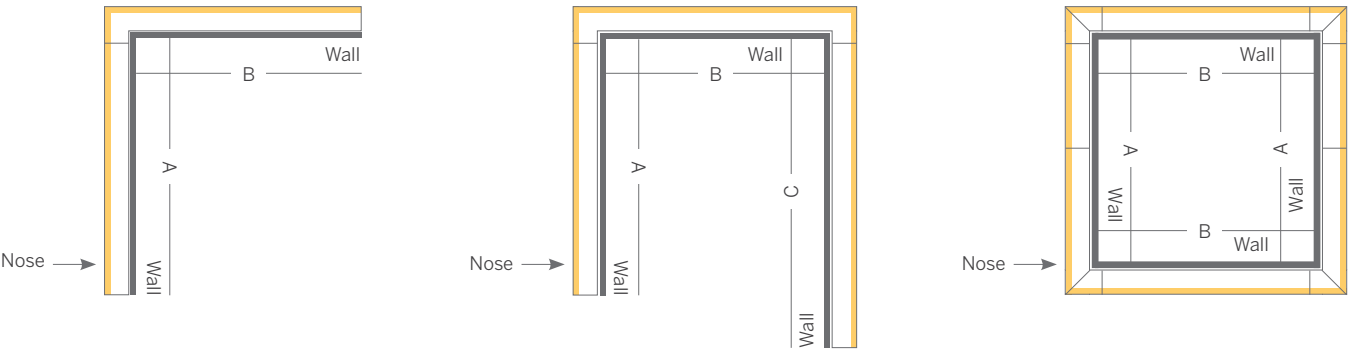
Standard Corners - Plan View

90° Coffer

90° Raft

Custom Corners - Plan View

Custom Coffer Angle

Custom Raft Angle
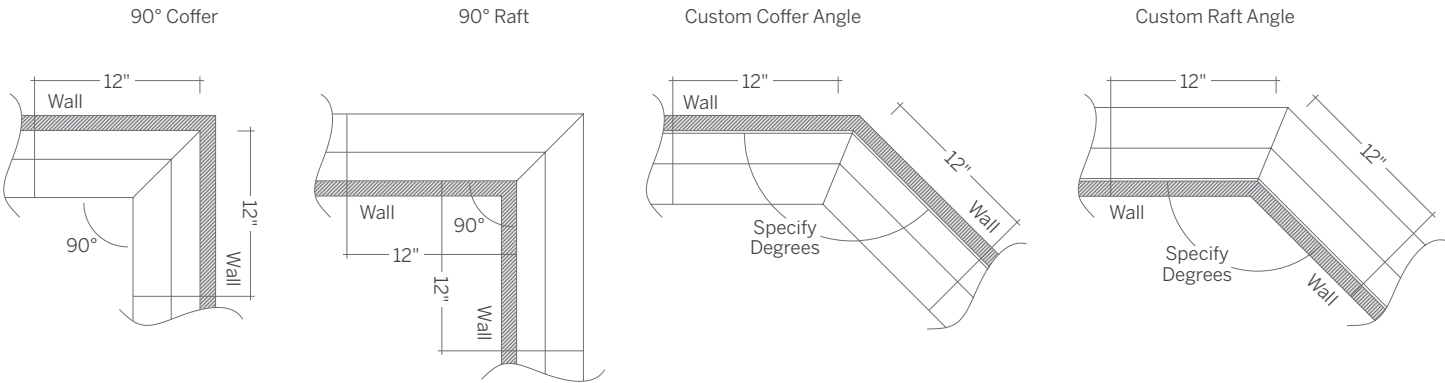
Whitegoods Linear LED Technology

- Whitegoods has designed and developed cutting edge linear LED boards to meet the specific demands of the architectural lighting industry including unique patented features.
- Field replaceable boards for sustainability.
- Available continuous length to accommodate exacting installations.
- Multiple wattages and lumen outputs for maximum flexibility within any application.

- 90 CRI as standard.
- 3 step MacAdam.
- Constant Current and Constant Voltage utilizing identical chip technology for consistent results across all products.
- Four standard color temperatures from 2700K-4000K.
- Compatible with all common dimmer and control standards such as 0-10V, 3-wire, forward-phase with neutral, ELV, DALI and DMX.

- High efficiency design delivers a range of excellent performance characteristics, with output available exceeding 120 lumens per watt.
- Used throughout Whitegoods 20 Linear, Linear, Cove and Perimeter products for identical color and performance throughout the range.
- 5-year warranty.

CV1.2 LED Specifications

Power (w/ft)	CCT (k)	Lum.Flux (lm/ft)*	lm/watt
3	2700	376	125
3	3000	376	125
3	3500	384	128
3	4000	384	128
6	2700	752	125
6	3000	752	125
6	3500	767	128
6	4000	767	128
10	2700	1253	125
10	3000	1253	125
10	3500	1278	128
10	4000	1278	128
13	2700	1629	125
13	3000	1629	125
13	3500	1662	128
13	4000	1662	128

*Nominal lumens

Ease of specification
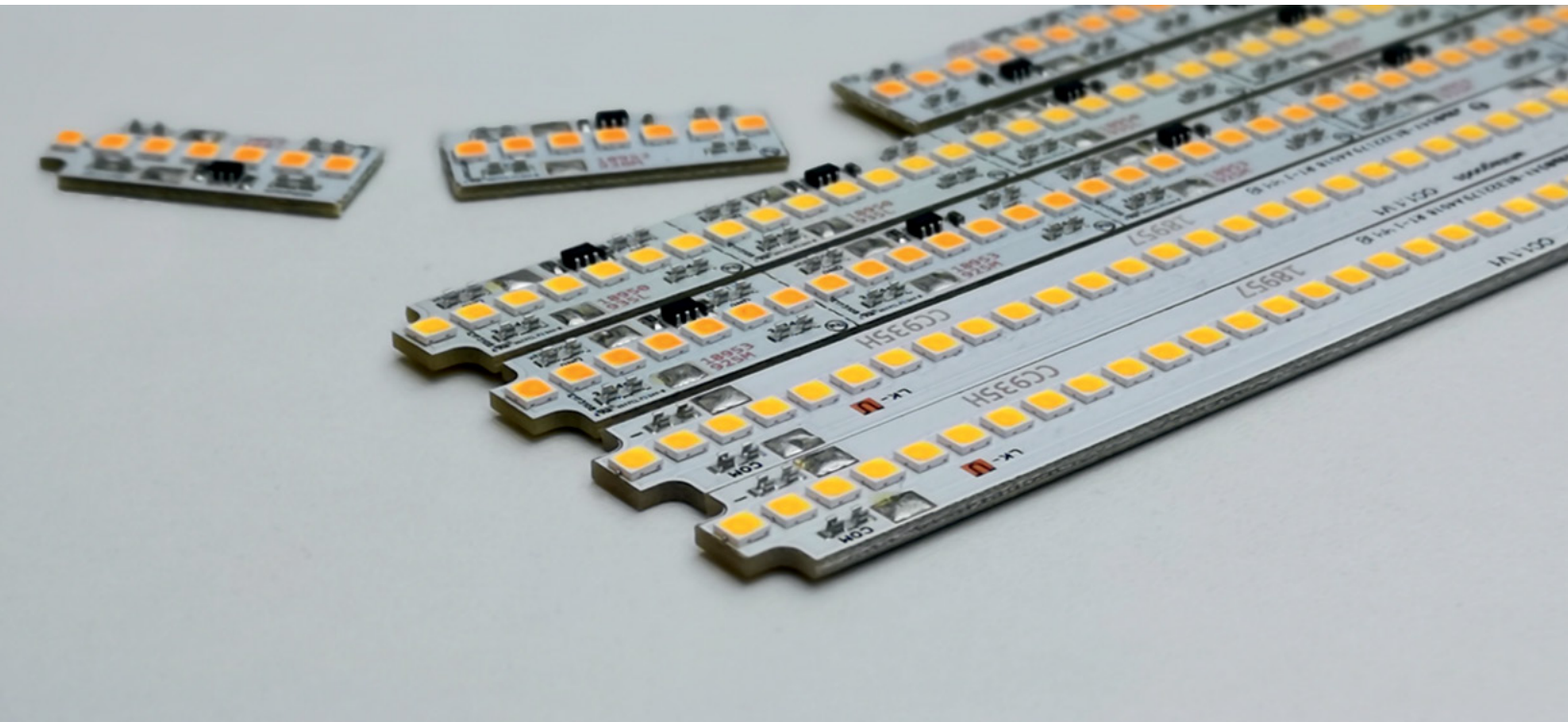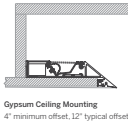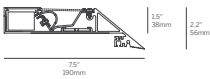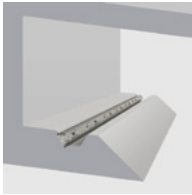
Edgeless Cove

Model	Fixation	Pattern	Length	Power[3]	CRI/CCT[4]	Driver[5]	Lens	Finish	Options
WG-EC	RPT	S[1] PC[2] PR[2] PZ[2]	A A x B A x B x C A x B x A x B	L M H XH	927 930 935 940	X S D010 L3DAE L3DOE DFPN	SSD (std) SDC	W (std) F	LEC REC LREC LWR RWR

Catalog Page

Edgeless Cove

The original continuous knife edge cove system featuring plaster-in precision for clean, minimal effect

- Delivers a continuous, even wash of directed light to the ceiling above, and redirected light to softly illuminate the back of the cove.
- Light source positioned for optimum horizontal spread of illumination.
- Light source is not visible from any viewing angle up to and including direct horizontal view.
- Satin Diffuser for high efficiency and soft edge beam without striations.

- Removable light source sub assembly for simple installation and maintenance.
- High efficiency linear LED in a range of outputs.
- Integral drivers and through wiring.
- Lengths and angles factory cut to exact field dimensions.
- Mitered corners available with continuous illumination.
- Made in the USA.

Housing	Precision extruded aluminum for true dimensions and tolerances Housing provided in any exact length Unitized gear tray with LED and driver for easy final installation Standard and tailored lengths Corners: standard and non-standard Finishes: RAL 9010 white 15% gloss Optional clear dust cover
Integration	Fixation into gypsum for minimal visual detail and true knife edge
Distribution	Asymmetric forward throw with max. beam at 125 degrees Redirected light for soft, even illumination of the ceiling and back wall Snap-on diffuser standard
LED	>90 CRI, 3-Step MacAdam, 2700-4000K white 3W - 13W per foot, 120 Lumens/watt average[6] RA 91-94 (2700K - 4000K) Conformal coated for protection against humidity standard
Driver	Integral driver Compatible with quality constant voltage drivers
Connectivity	POE
Weight	3lbs per foot
Operating Temp	Suitable for operation in maximum ambient temperature of 35C (95F)
Warranty	5-year Limited (see complete company warranty information)
Certifications	ETL and ETL-C for dry and damp location, CE
Voltages	120-277VAC, 347VAC

Model
- WG-EC = Edgeless Cove

Fixation
- RPT = Recessed plaster trim

Pattern
- S = Straight run[2]
- PC = Standard patterns coffer 2, 3 or 4 sided with 90° corners[2]
- PR = Standard patterns raft 2, 3 or 4 sided with 90° corners[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]
- L = 3W/ft low power (24V)
- M = 6W/ft medium power (24V)
- H = 10W/ft high power (24V)
- XH = 13W/ft extra high power (24V)

CRI / CCT[4]
90+ CRI minimum (Low/Mid/High/Extra High)
- 927 = 2700K, (276/552/920/1196 lm/ft)
- 930 = 3000K, (276/552/920/1196 lm/ft)
- 935 = 3500K, (282/563/938/1220 lm/ft)
- 940 = 4000K, (282/563/938/1220 lm/ft)

Driver (integral)[5]
- X = No driver, ordered separately
- S = Standard driver 120-277V
- D010 = Osram, 10%, 0-10V dimming, 120-277V
- L3DAE = Lutron Hi-lume 1% EcoSystem, 120-277V
- L3DOE = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V (remote)
- DFPN = Lutron Forward Phase 1%, 120VAC

Lens
- SSD = Snap On Satin Diffuser (standard)
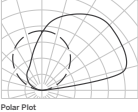- SDC = Satin Clear Dust Cover

Finish
- W = White, 15% gloss, RAL9010 (standard)
- F = Custom finish

Options
- LEC = Left end cap
- REC = Right end cap
- LREC = Left & Right end caps
- LWR = Left wall return
- RWR = Right wall return

Emergency Remote Only
- Emergency LED battery backup available, order separately.

1.5"
38mm

2.2"
56mm

.75"
190mm

Gypsum Ceiling Mounting
4" minimum offset, 12" typical offset

Polar Plot

Efficiency		Power (W/FT)			
73.4%		L 3W	M 6W	H 10W	XH 13W
CCT	2700K	276	552	920	1196
	3000K	276	552	920	1196
	3500K	282	563	938	1220
	4000K	282	563	938	1220
		Lumens per foot (delivered)			

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Whitegoods reserves the right to change any information without prior notice.

Notes
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 spec sheet.
3. Wattage shown does not include power supplies/drivers.
4. Delivered lumens with Snap On Satin diffuser shown.
5. Integral driver, except L3DOE (remote only). See power supply page for details.

ETL

inter-lux.com/whitegoods 21

20 Whitegoods Coves / Perimeters

Website Product Page

Edgeless Cove

Description

- Light source positioned for optimum horizontal spread of illumination.
- Light source is not visible from any viewing angle up to and including direct horizontal view.
- Delivers continuous soft wash of directed light to above surface.
- Satin Diffuser for high efficiency and soft edge beam without striations.
- Removable light source sub assembly for simple installation and maintenance.
- High efficiency linear LED in a range of outputs.
- Integral drivers and through wiring.
- Lengths and angles factory cut to exact field dimensions.
- Mitered corners available with continuous illumination.

DOWNLOADS

Specsheets
- Edgeless Cove Specsheet
- Corner Patterns
- Edgeless Cove PR 2 Sided Submittal
- Edgeless Cove PR 3 Sided Submittal
- Edgeless Cove PR 4 Sided Submittal
- Edgeless Cove PC 2 Sided Submittal
- Edgeless Cove PC 3 Sided Submittal
- Edgeless Cove PC 4 Sided Submittal
- Edgeless Cove Straight Run Submittal
- Cove Video

Application Guides
- Edgeless Cove and Box Cove Application Guide

Installation Instructions
- EC LED Installation Instructions

Downloads
- EC revit
- Power Supplies
- CV2 LED Specsheet
- WG EC IES
- EC 3D Model

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The application of light to the surfaces around us is a critical factor in our perception of any space.

When proper consideration is given to the architecture, function and the desired atmosphere, lighting can become a truly integrated part of the overall environment being created, often unseen although defining and enhancing the space.