



Coves Perimeter Features

whitegoods



whitegoods

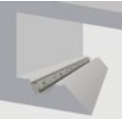
Whitegoods has developed the widest range of architectural cove and perimeter lighting systems. Starting with the Edgeless Cove, designed as the very first knife-edge detail with integral lighting source, to the versions that now offer the highest efficiencies and smallest footprint. All designed to fully integrate into the architecture and of course they all hold true to our constant principles.

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

Coves



Edgeless Cove



Mini Edgeless Cove



Box Cove



Mini Box Cove



Box Cove 2



20 Linear Mini Edgeless Cove



Edgeless P Nose Cove

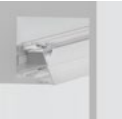


Edgeless Nose Cove

Perimeter



V Cove



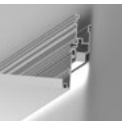
Z Cove



20 Linear Mini Z Cove



20 Linear Perimeter
Flush Lens



20 Linear Perimeter
Regressed Lens



ProTools 60 Linear
Perimeter Recessed



ProTools 60 Linear
Wall Graze Recessed





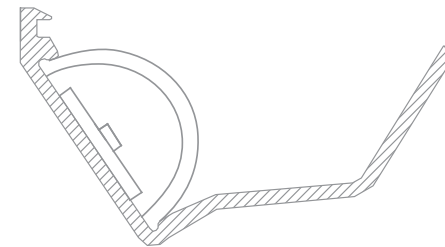
The original edgeless cove

Standardized
high performance
optics across all
cove systems

Whitegoods pioneered the use of knife edge cove profiles with fully integrated lighting solutions for continuous runs of light without gaps or shadows. The Whitegoods Edgeless Cove is the original, and still the best of its kind, despite many imitators.

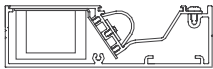
Whitegoods offers the widest range of cove products to suit any application. Coves can be tailored to the specific lengths and are supplied with factory made standard corners, or custom corners.

All Whitegoods products are designed with simple installation and maintenance in mind. Specification is simple too, and we have a fast and accurate system for supplying submittal drawings and documentation.

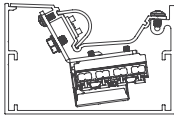


Range Logic

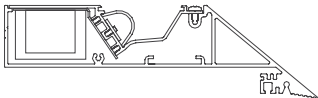
Coves



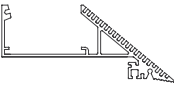
Box Cove
Surface Mount



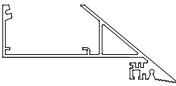
Box Cove 2
Surface/Mullion Mount



Edgeless Cove
Plaster Trim

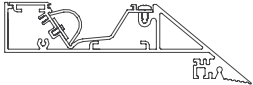


Edgeless P Nose Cove
Plaster Trim



Edgeless Nose Cove
Plaster Trim

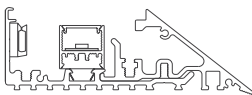
Mini Coves



Mini Edgeless Cove
Plaster Trim

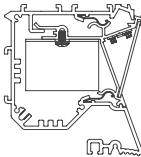


Mini Box Cove
Surface Mount

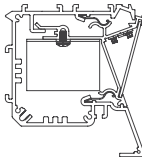


20 Linear Mini Edgeless Cove
Plaster Trim

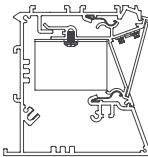
Perimeter



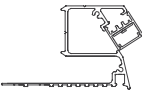
Z Cove
Plaster Trim



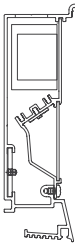
Z Cove
Bezel Trim



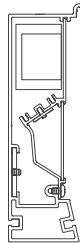
Z Cove
Grid Trim



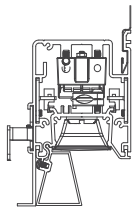
20 Linear Mini Z Cove
Plaster Trim



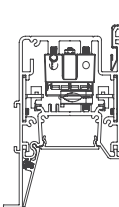
V Cove
Plaster Trim



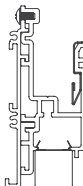
V Cove
Bezel Trim



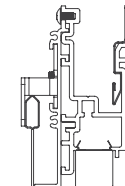
ProTools 60 Linear Wall Graze
Recessed



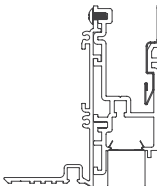
ProTools 60 Linear Perimeter
Recessed



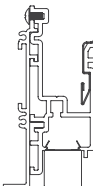
20 Linear Perimeter Flush Lens
Return Trim



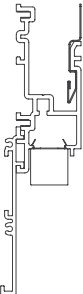
20 Linear Perimeter Flush Lens
Grid Trim



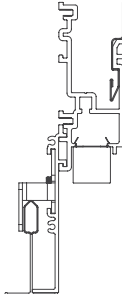
20 Linear Perimeter Flush Lens
Plaster Trim



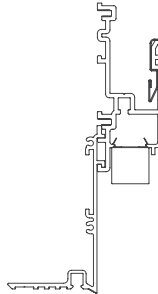
20 Linear Perimeter Flush Lens
Bezel Trim



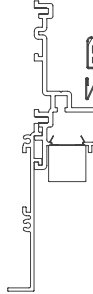
20 Linear Perimeter Regressed Lens
Return Trim



20 Linear Perimeter Regressed Lens
Grid Trim



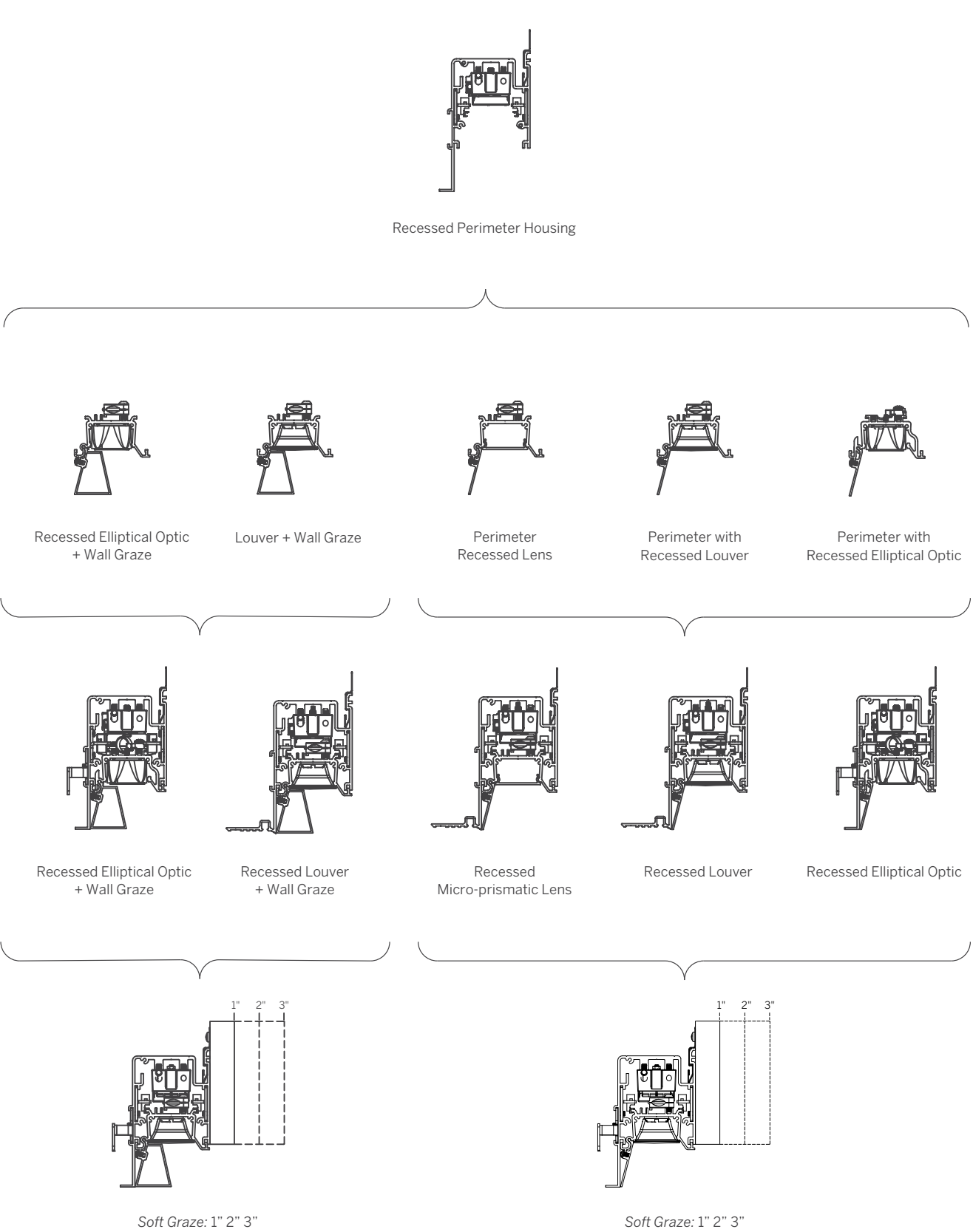
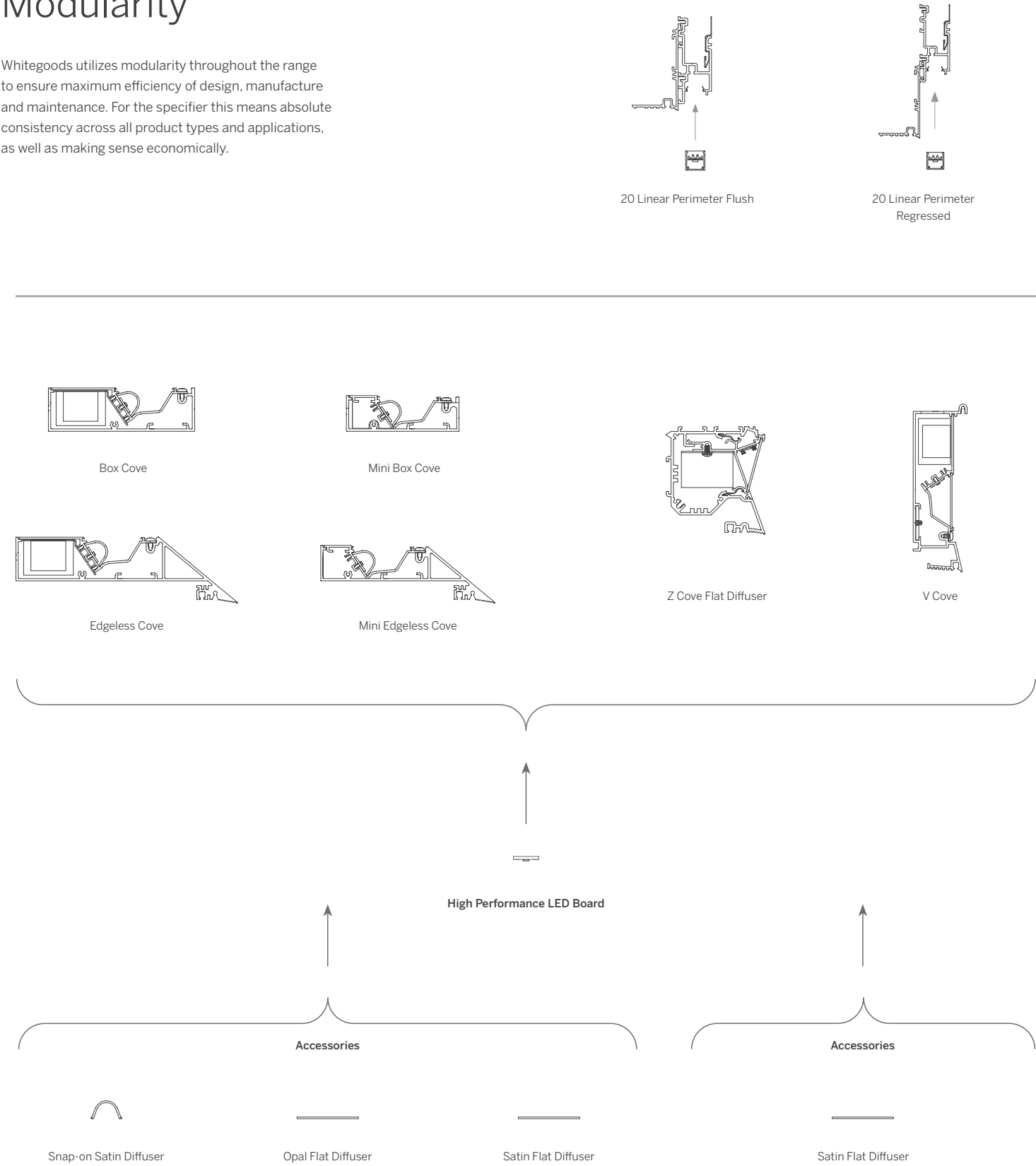
20 Linear Perimeter Regressed Lens
Plaster Trim



20 Linear Perimeter Regressed Lens
Bezel Trim

Modularity

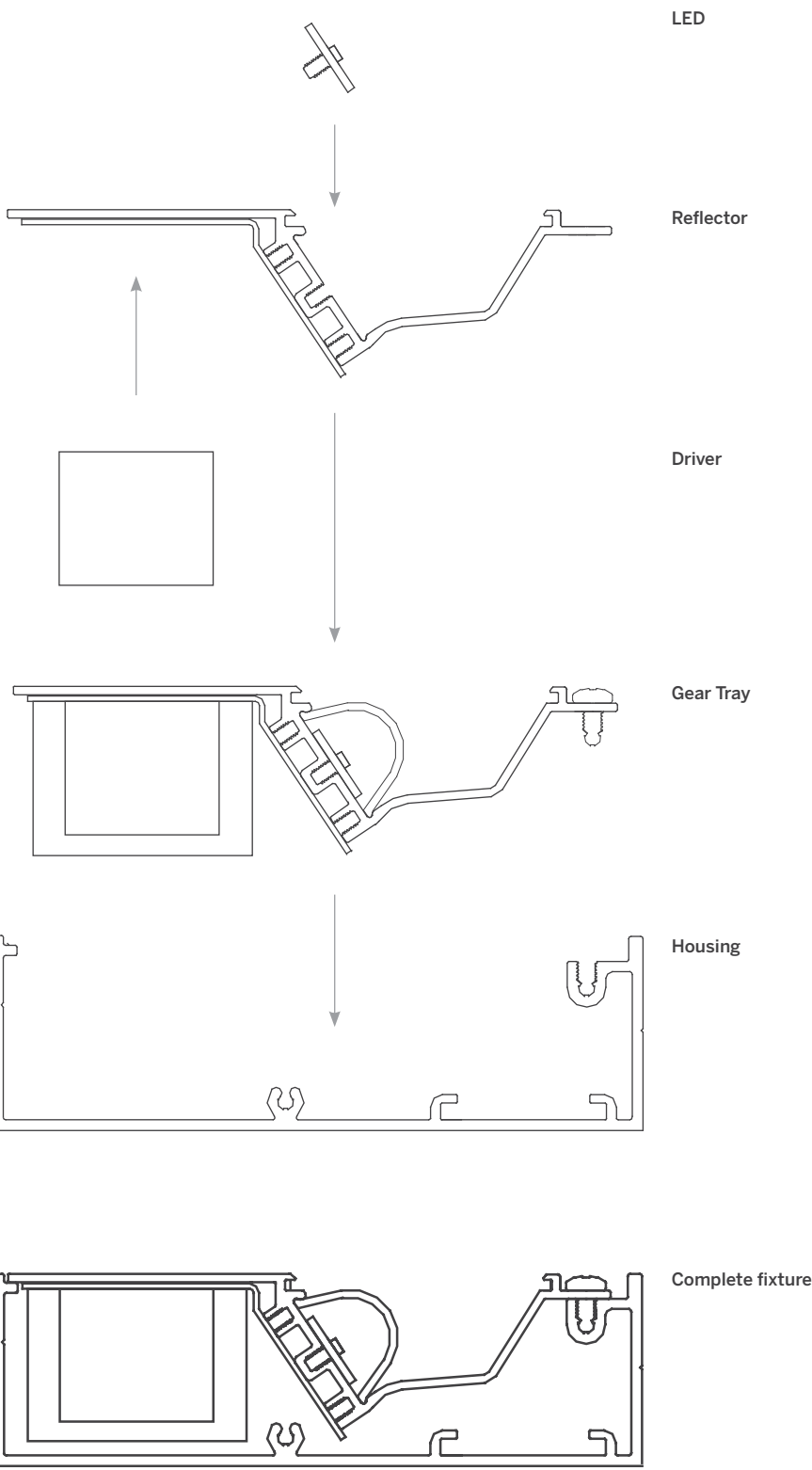
Whitegoods utilizes modularity throughout the range to ensure maximum efficiency of design, manufacture and maintenance. For the specifier this means absolute consistency across all product types and applications, as well as making sense economically.



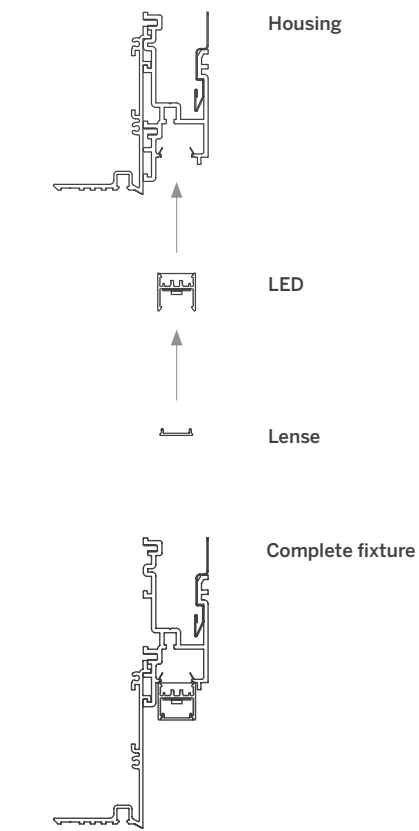
Infinite Service Life

This modular design guarantees a long service life without the need to impact the original installation. The electronic components can be maintained or upgraded separately from the fixture housing.

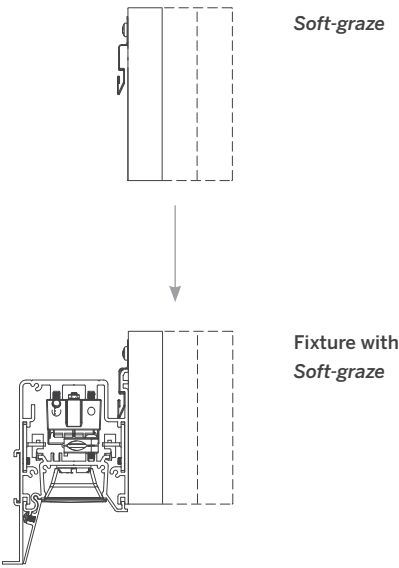
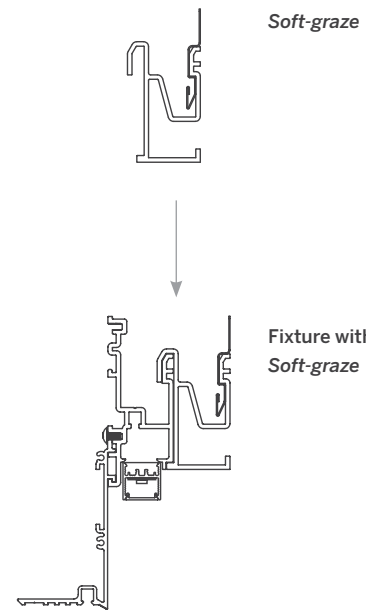
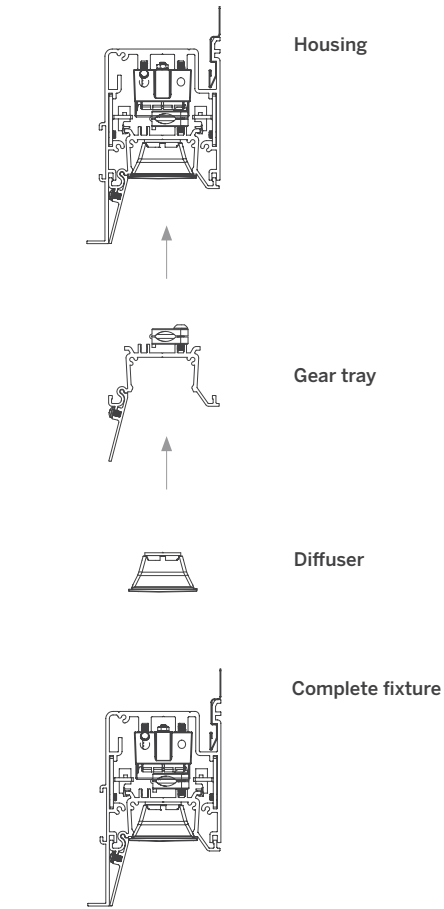
Coves



20 Linear Perimeter



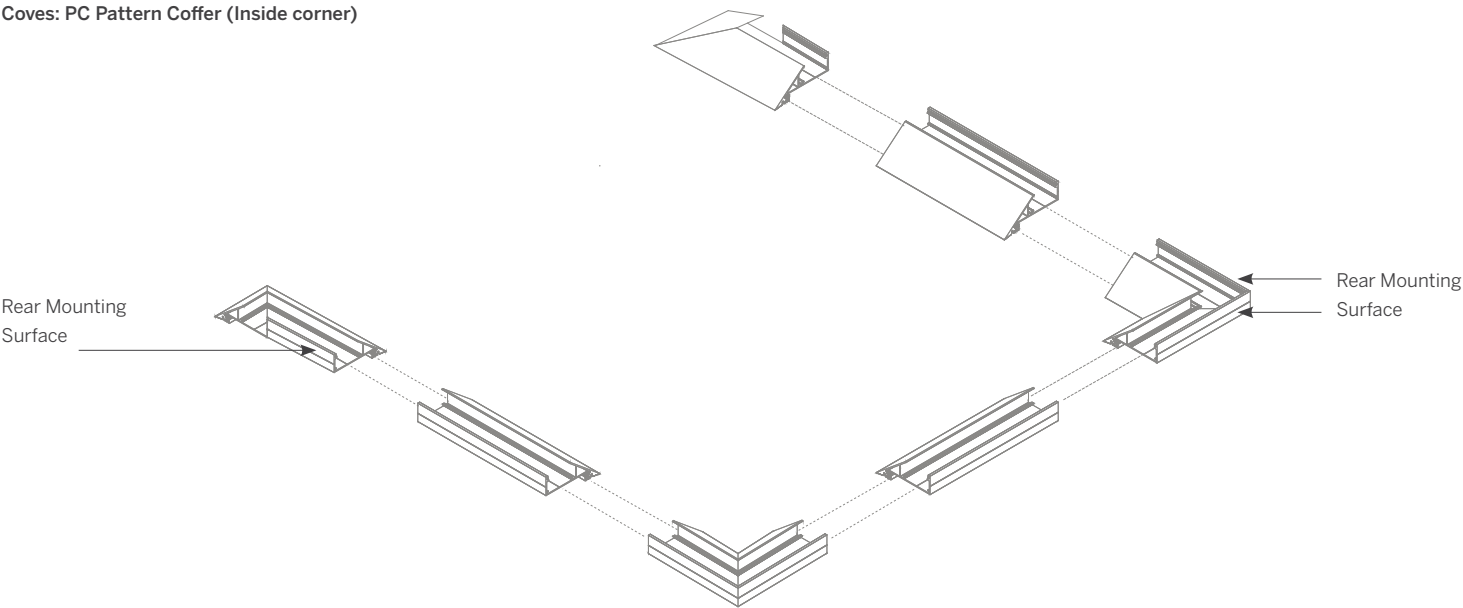
ProTools 60 Linear Perimeter



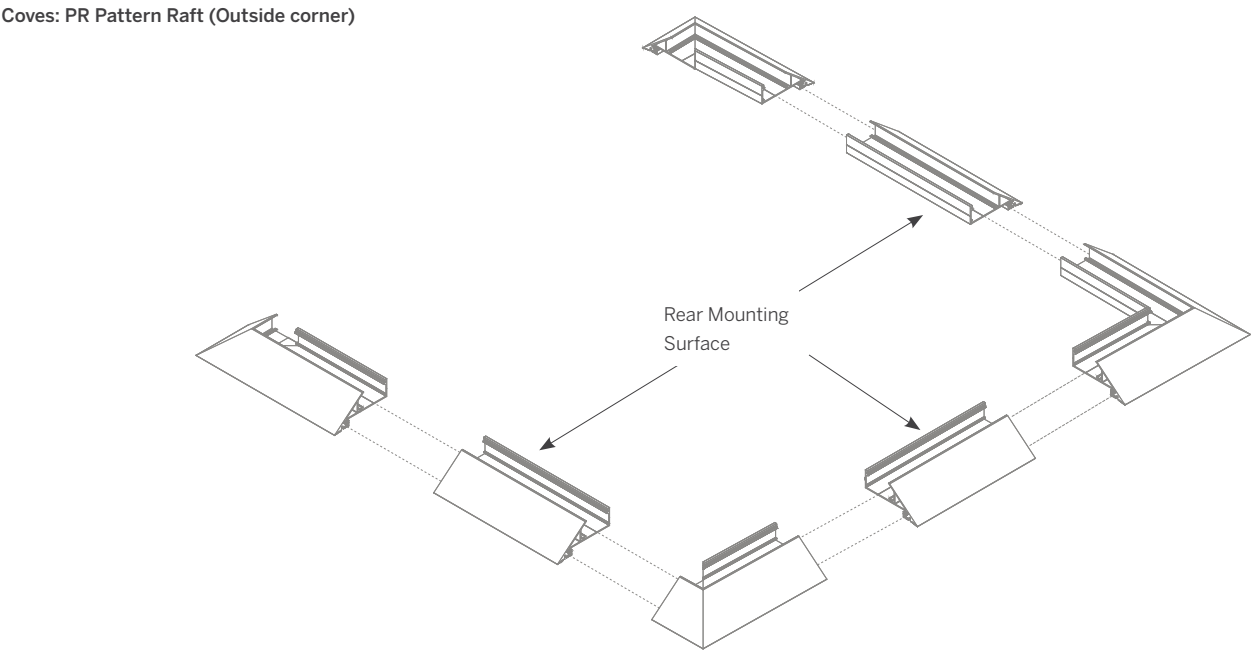
Coves Configuration Logic

Whitegoods Cove 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: PC Pattern Coffe (Inside corner)

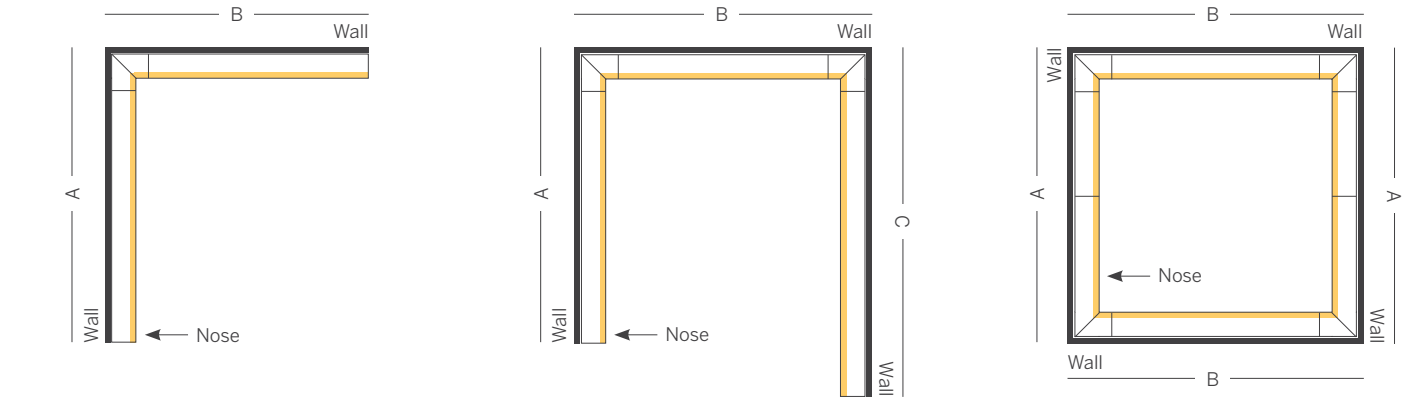


Coves: PR Pattern Raft (Outside corner)

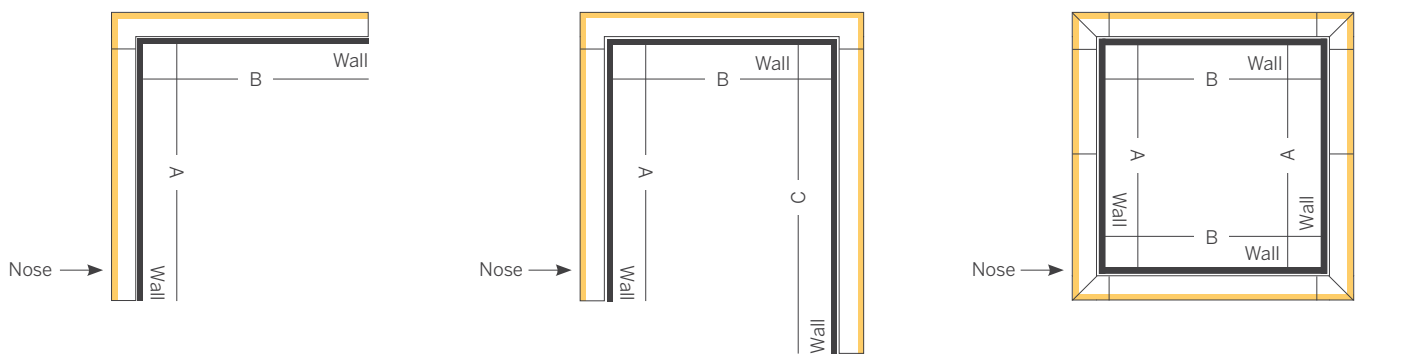


Cove Measurements Logic:
A, B, C, = Wall Length

Coves: PC Pattern Coffe (Inside corner)

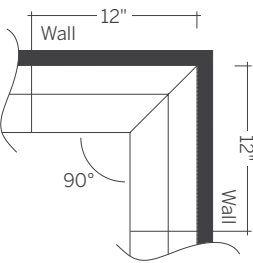


Coves: PR Pattern Raft (Outside corner)

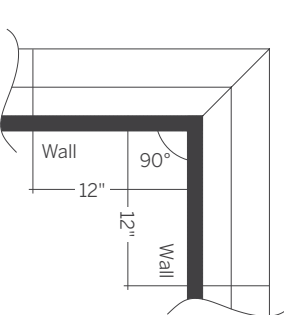


Standard Corners - Plan View

90° Coffe

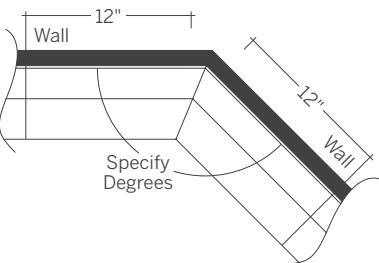


90° Raft

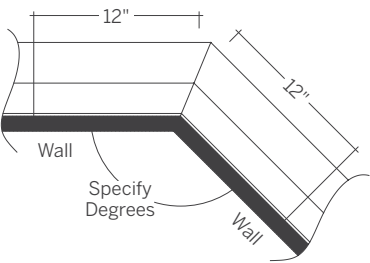


Custom Corners - Plan View

Custom Coffe Angle



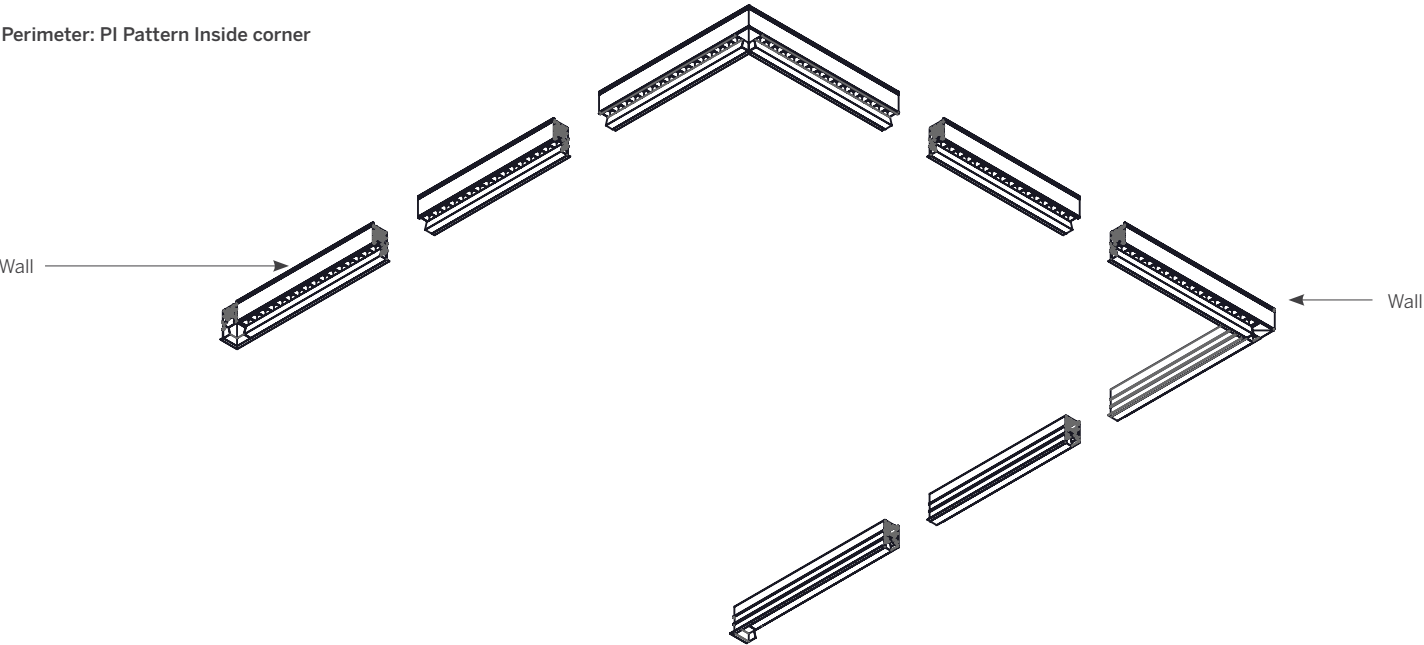
Custom Raft Angle



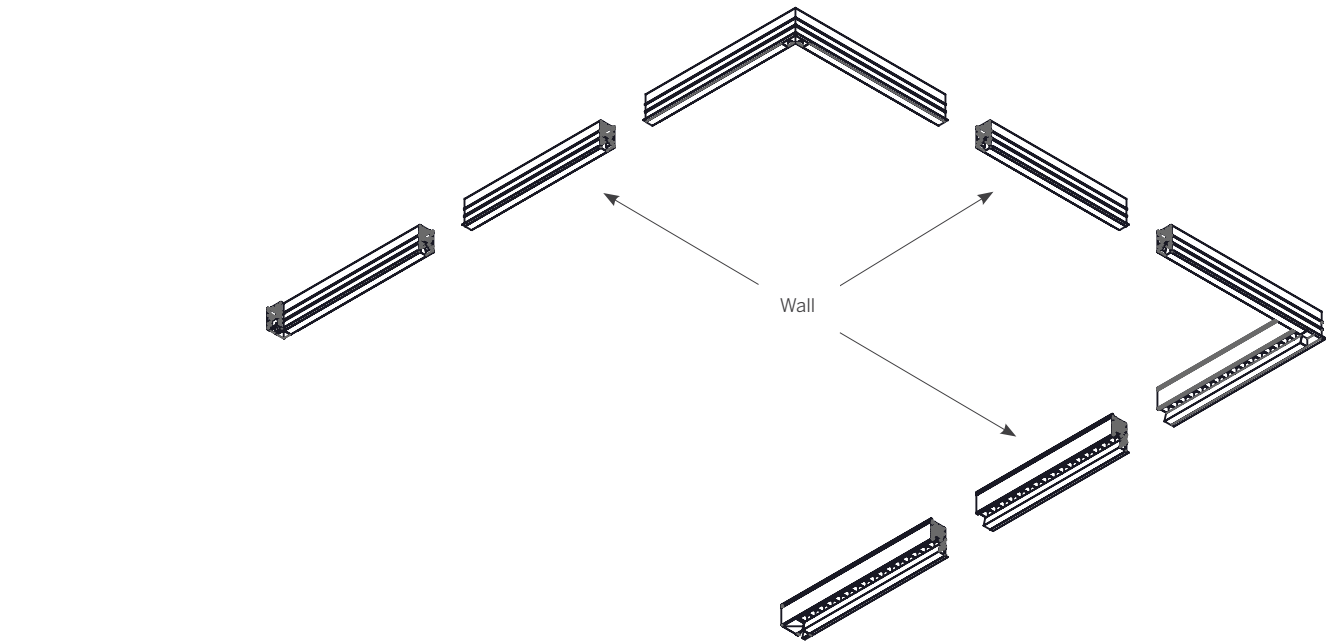
Perimeter Configuration Logic

Whitegoods 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.

Perimeter: PI Pattern Inside corner

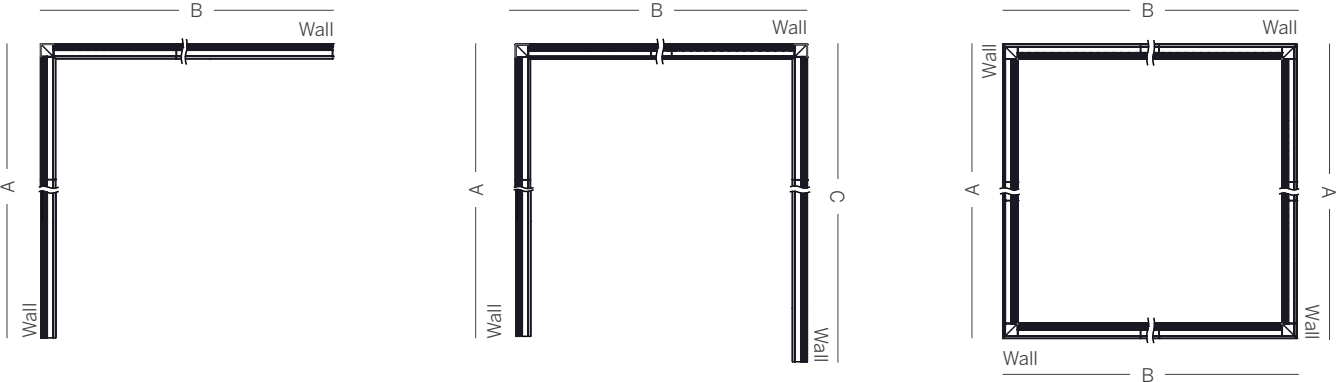


Perimeter: PO Pattern Outside corner

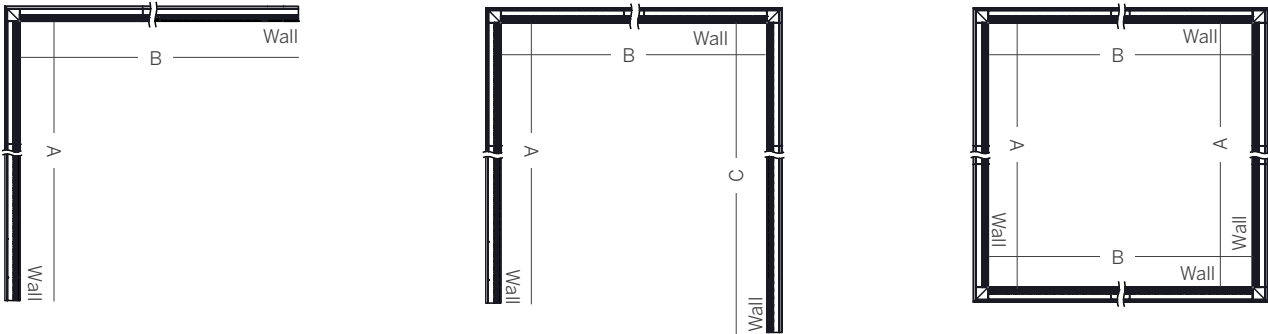


Perimeter Measurements Logic:
A, B, C, = Wall Length

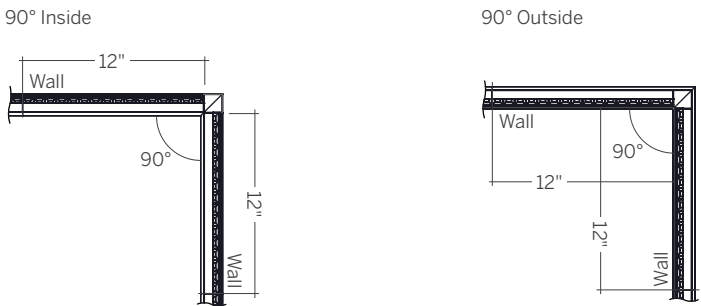
Perimeter: PI Pattern Inside corner



Perimeter: PO Pattern Outside corner



Standard Corners - Plan View





LED Technology

Whitegoods developed a specific LED light source optimized for our linear products, using the highest performance and quality LED devices available on a form factor that best fits our product mechanically and electronically. We use this LED throughout our entire range of 20 Linear, Linear, Cove and Perimeter lighting systems. Additionally, we standardize on the highest quality drivers and control devices to ensure that our system works at peak performance and consistency mile after mile.

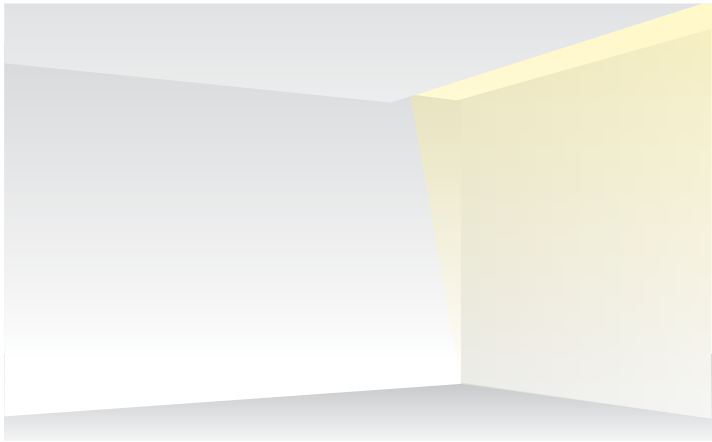
Whitegoods products are developed in a modular fashion that allows easy repair or replacement of the light source without upsetting the installation. We term this: future proofing.



- Replaceable light source guarantees sustainability
- Available in any continuous length to accommodate exacting installations
- Multiple wattages and lumen output for maximum flexibility within any application
- Constant Current, 90+ CRI, 3 step MacAdam
- Four standard color temperatures from 2700K-4000K, Tunable White (2200K - 4000K)
- Compatible with all common dimmer and control standards.
- High efficiency design delivers up to 125 lumens/watt
- L70 (TM21 Projected 85°C) 72,000 hours
- Used throughout Whitegoods 20 Linear, Linear, Cove and Perimeter products for color and performance consistency
- 5-year warranty

Applications

Washlight



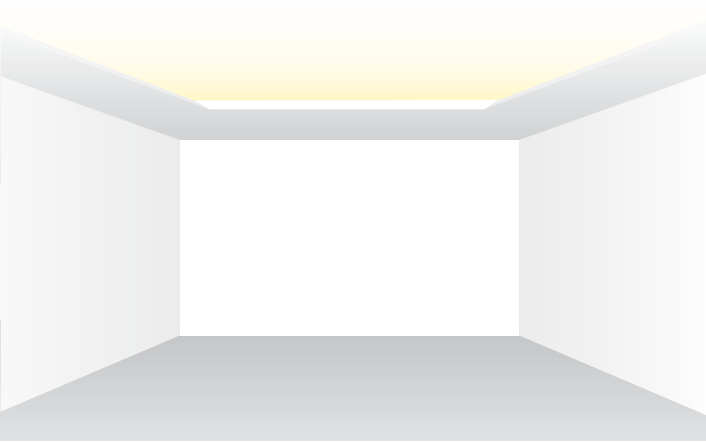
The aim of wall washing, or in fact washing any surface with light (wall, ceiling or floor), is to create an even 'wash' of light across the surface. The wall wash is a great way to introduce light into a room as the brightness of the vertical surfaces around us play a crucial role in our perception of a space.

Use Whitegoods Cove products in a built-out ceiling cove to illuminate the ceiling indirectly and bounce light to the wall - evenly washing the wall and illuminating the space in front of the wall. The Cove hides the source of light and makes the entire wall the feature by evenly illuminating it from above the ceiling plane to the floor, allowing the wall to seemingly appear to extend to infinity above the wall plane.

Products

- Edgeless Cove
- Mini Edgeless Cove
- Box Cove
- Mini Box Cove
- Box Cove 2
- 20 Linear Mini Edgeless Cove

Coffer

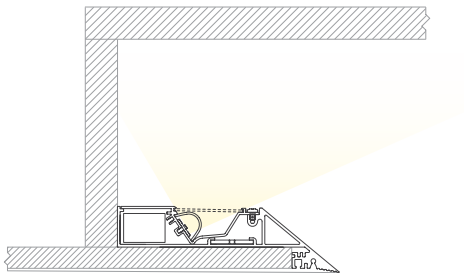
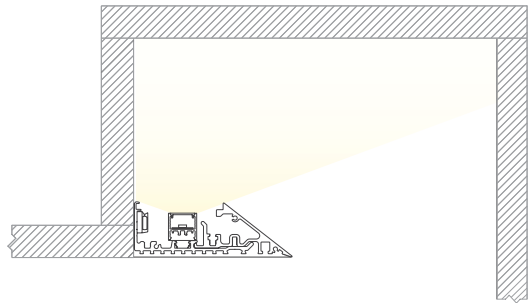


When soft diffuse light comes from above, a natural feel is imparted to a space. It is understandable when you consider that the vast majority of natural light that we experience comes to us from above.

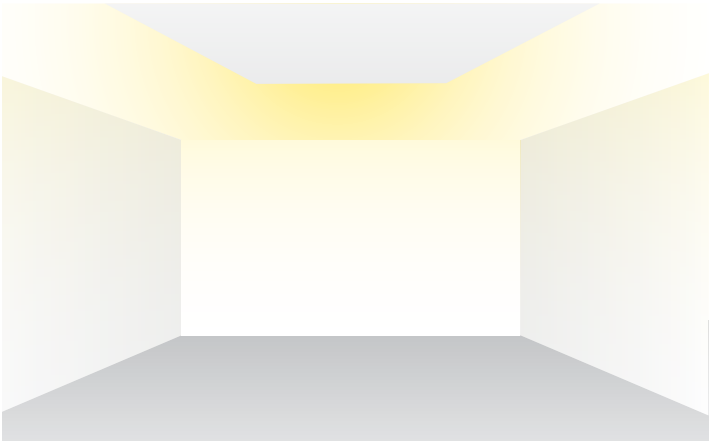
Creating a coffer (inside corners) within the ceiling provides an opportunity to deliver light in this way. Although the technique does require some ceiling depth, it is no more than is typically required for recessed downlights. For example, 4" - 6" between the top of the luminaire and the ceiling is all you need to deliver light to the ceiling and indirect illumination to the space below. Of course, a greater distance such as 8"-12" will deliver the most even illumination to the ceiling.

By integrating the luminaire into the ceiling and hiding the source of light, the occupant of the space realizes a very soothing and glare-free environment. This technique suits hospitality, lobby, conference room, residential and large area settings especially well.

Note that Whitegoods coves are designed to throw low angle light forward into the space, as well as soft illumination above and bounce light behind to evenly illuminate the cove as well.



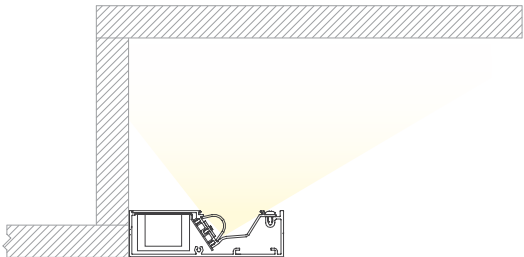
Raft (Outside Corners)



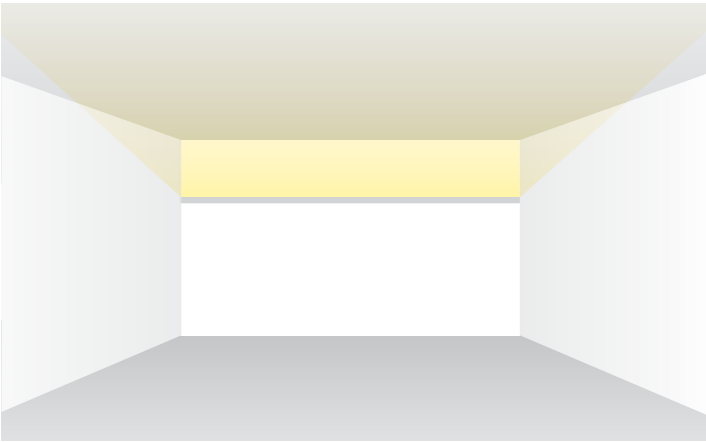
By designing a raft (ceiling cloud) in the middle of a space, the low angle light from a Whitegoods cove product can be used to illuminate the ceiling and redirect light onto adjacent vertical surfaces. A classic way to accentuate the ceiling plane can also illuminate the entire space without glare.

This technique does require some ceiling depth, but is no more than typically required for recessed downlights. For example, 4" - 6" between the top of the luminaire and the ceiling is all you need to deliver light to the ceiling and indirect illumination to the space below. Of course, a greater distance such as 8"-12" will deliver the most even illumination to the ceiling.

By integrating the luminaire into the ceiling and hiding the source of light, the occupant of the space realizes a very soothing and glare-free environment. This technique suits hospitality, lobby, conference room, residential and large area settings especially well.



Surface Wallmount



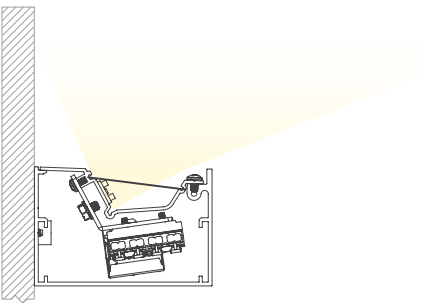
A discrete wall mounted uplight uses the ceiling plane to reflect light evenly into the room, as well as brings volume to the space. When the luminaire is completely indirect, hiding the source of light, and runs wall-to-wall, it creates a dramatic effect delineating the elevation.

Whitegoods uplights throw low angle light far into the room, and a soft fill light above and to the back wall. Special end mounting hardware can be specified for clearspan applications. Box Cove and Box Cove 2 can be mounted directly to a window mullion for a very integrated, minimal apperance in the space.

If you desire a completely glare-free environment that brings volume to the space and mounts to any surface, the Whitegoods wall mounted products are your best bet.

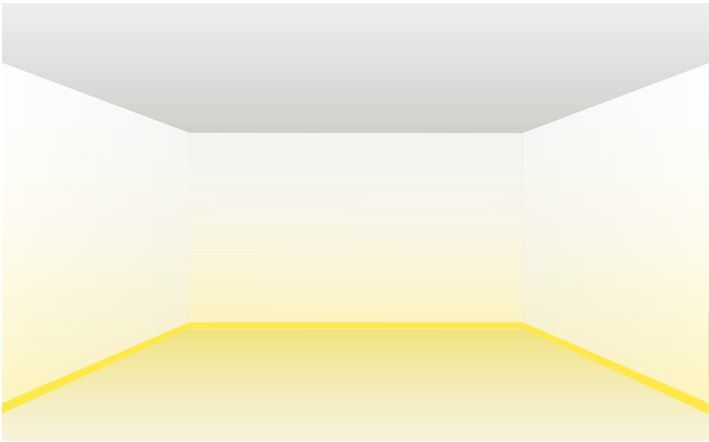
Products

- Box Cove
- Mini Box Cove
- Box Cove 2



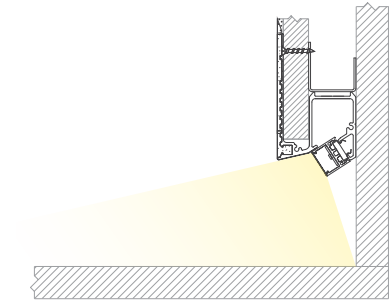
Applications

Concealed Linear Downlight (Floor Wash)

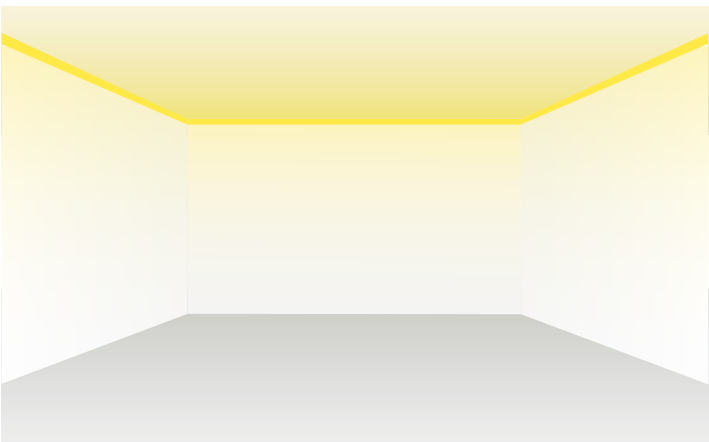


Some spaces do not call for high levels of illumination. Perhaps in a gallery or museum, or a hotel corridor, for example, where the boundaries of a space can be defined by enough light, allowing users to safely navigate their way. Or simply to create a specific atmosphere or mood in a space.

Whatever the reason, by stopping the wall short of the floor surface and creating a set back skirting detail, space can be made for linear light sources to be integrated. Recessing the foot of the wall by 2" - 6" creates a gap where light can flow down out of the bottom of the wall and across the floor.

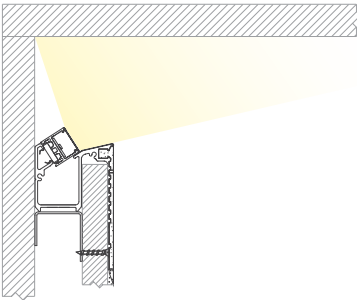


Concealed Linear Uplight (Ceiling Wash)

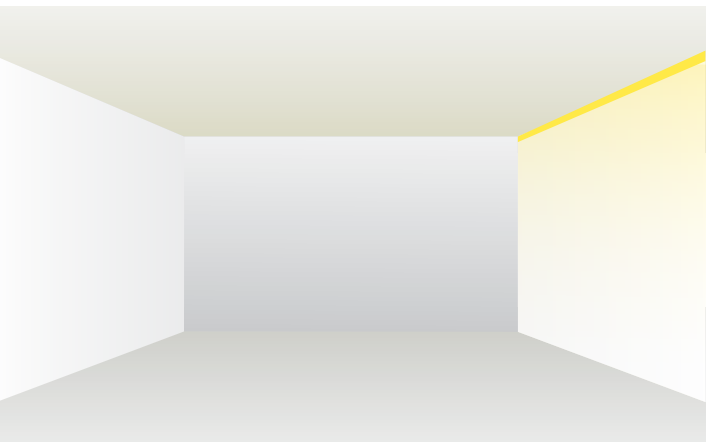


Another simple and highly effective way to deliver natural feeling even light into a space is via a concealed linear light source, detailed into the top edge of a wall surface, just before it meets the ceiling. By virtue of its position, the light source is naturally concealed.

The detail is relatively simple to achieve by stopping the wall surface just short of the ceiling (say 6" - 12") and creating a small pocket there at the top of the wall, which can be used to incorporate a luminaire. Some luminaires are very small, less than an inch wide, so the pocket detail does not need to be large.



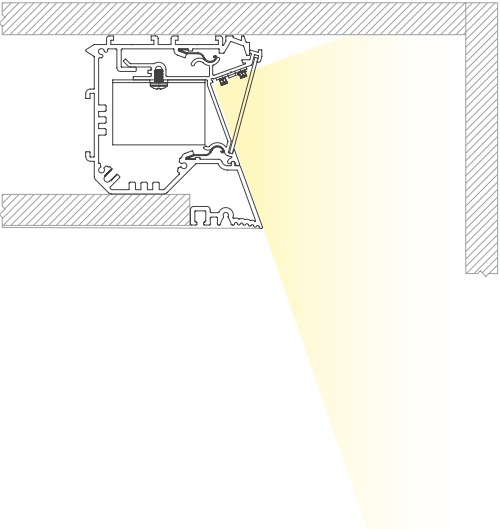
Perimeter



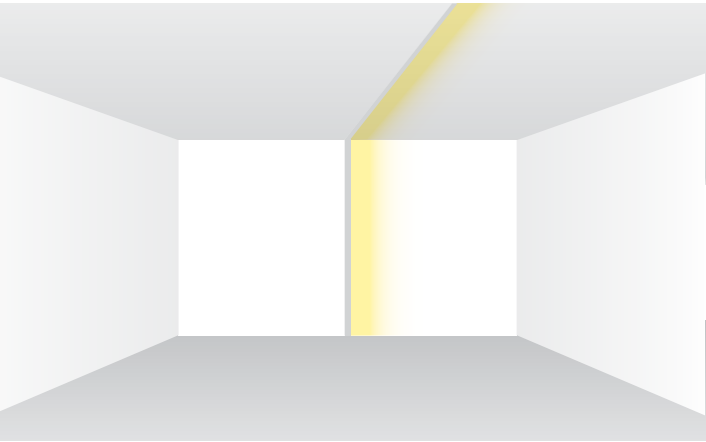
A perimeter lighting system is a significant design element in the space as it creates a focal point for interest or way-finding, and it contributes general illumination to a space.

The light source in a typical perimeter system will originate from above the finished ceiling plane to illuminate the wall from the very top with an even level of illumination, gradually fading as it reaches the floor. Light reflected from the wall will illuminate the space in front of the wall, and often be the only source of light required in spaces such as hallways.

A well designed perimeter lighting system will integrate cleanly into any ceiling type and place the light source in a location where it does not cause a glare nuisance or detract from the visual experience. See Whitegoods various Perimeter systems for a product that meets these requirements, and uses matching LED with all other Whitegoods linear products.



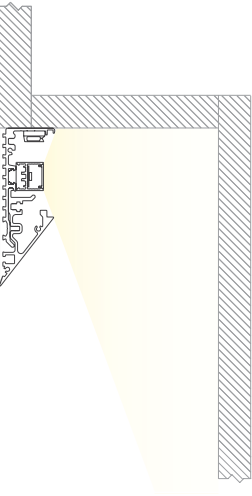
Configurations



Modular product design, coupled with application engineering support from the Whitegoods team allow your creativity to become reality. If complicated configurations are required to deliver glare-free light into the space and simultaneously create exciting interiors, then a cove configuration may be the solution.

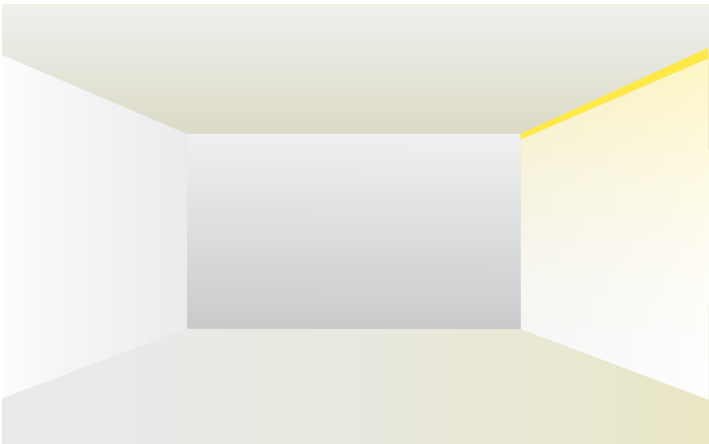
The housing in all Whitegoods products (see 20 Linear, Linear and Downlights) are designed to integrate into the architecture seamlessly, and to accept the gear tray, which holds the electronic power and light source. Providing a product in this manner leaves plenty of room for your imagination. Angles across the wall or ceiling, single or multiple plane configurations, corners of nearly any angle including from wall-to-ceiling or wall-to-wall are possible,

And the light is always hidden from normal view to contribute evenly distributed, glare-free illumination into the space.



Applications

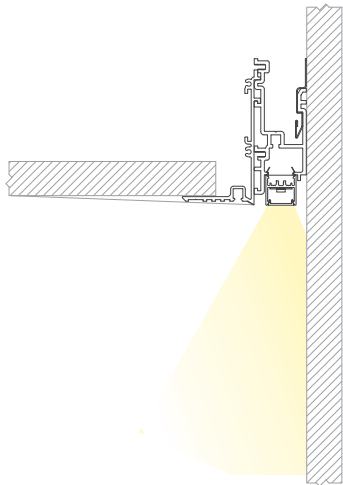
20 Linear Perimeter LIne of Light



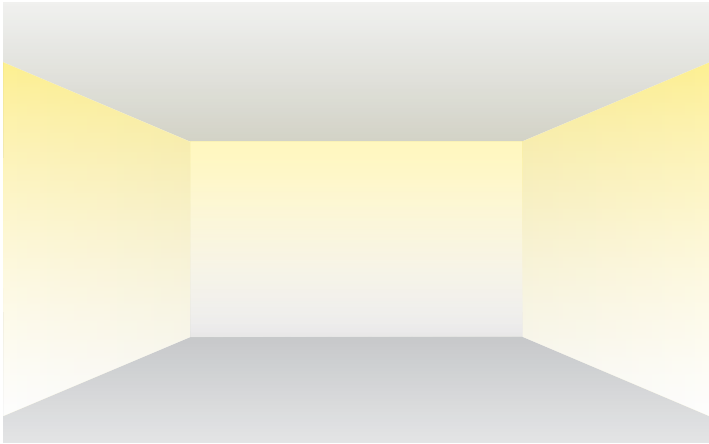
Perimeter lighting is a masterful way to 'float' the ceiling plane off of the wall surface, while concealing the light source and providing usable light to the space.

Another simple and highly effective way to add natural feeling light into a space is via a concealed linear light source detailed into the intersection of the wall and ceiling. This luminaire, typically recessed into the ceiling and providing an even illumination from a homogeneously illuminated lens, gives definition to the space, and functional light to the perimeter.

A perfect application to define lobby and conference space perimeters, as well as vanity light over a mirror by virtue of the fact that the source of light is hidden from normal viewing angles (including mirror reflection), while functional illumination is distributed down the wall and into the space.



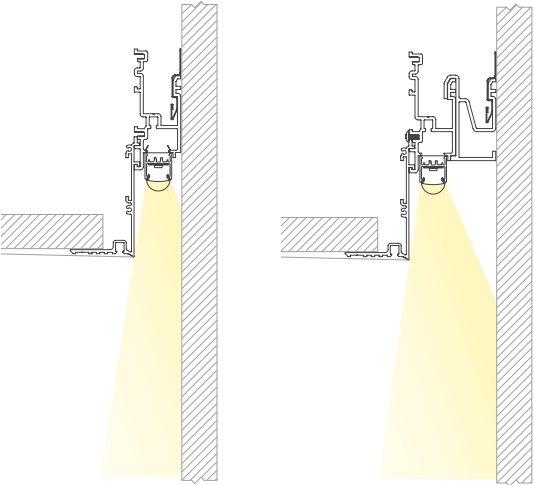
20 Linear Perimeter Wall Graze



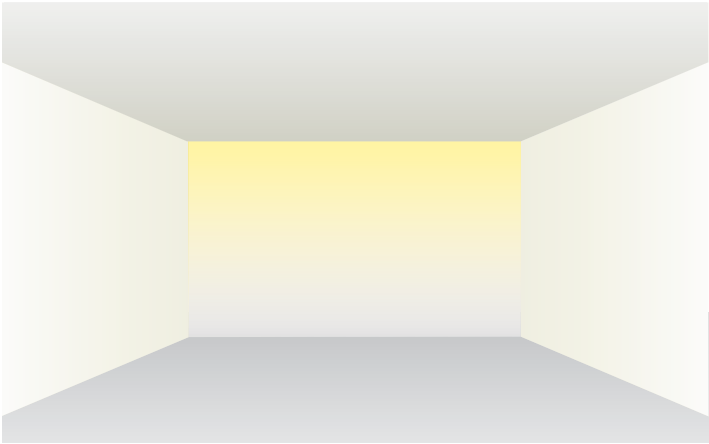
Wall grazing is used to highlight textured walls, such as brick, stone or patterned relief, to provide a focal wall or simply increase the perceived brightness of the space. By recessing the luminaire above the ceiling plane, the entire wall is illuminated and becomes the focal point of the space. Recommended for walls up to 10', applications include lobby and conference space perimeters, as well as vanity light over a mirror by virtue of the fact that the source of light is hidden from normal viewing angles (including mirror reflection), while functional illumination is distributed down the wall and into the space.

The 20 Linear Perimeter, with its minimal aperture provides the perfect detail for perimeter applications while minimizing the effect of the luminaire on the space.

Soft-Graze
This feature simply extends the optic further from the wall, softening the contrast effect on the wall and placing the light down the front of the feature wall.

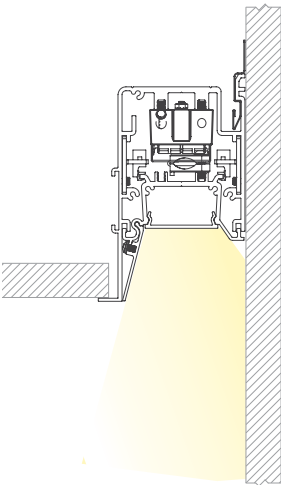


ProTools 60 Linear Perimeter

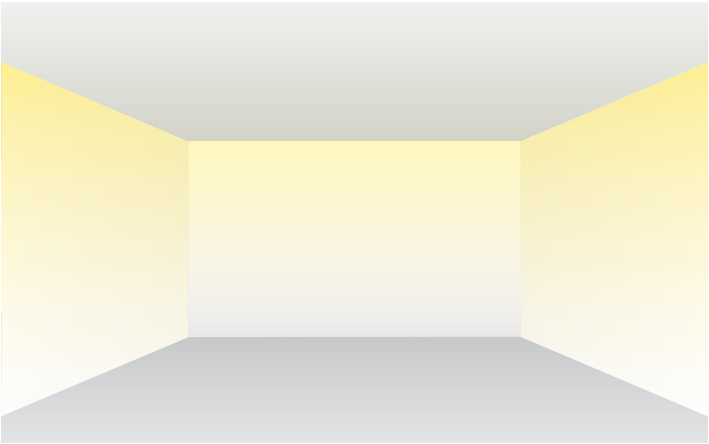


Perimeter lighting is a masterful way to 'float' the ceiling plane off of the wall surface, while concealing the light source and providing usable light to the space. A continuous perimeter lighting system that delivers an even wash of light at the top of the wall, from above the finished ceiling, and gradually diminishes closer to the floor. The Perimeter system can be used to illuminate corridors and provide definition to feature walls.

The micro-prismatic lens delivers even illumination on the wall and floor below. Its high-efficiency coupled with the recessed position make it the most efficient and glare-free way to illuminate the perimeter of a room.

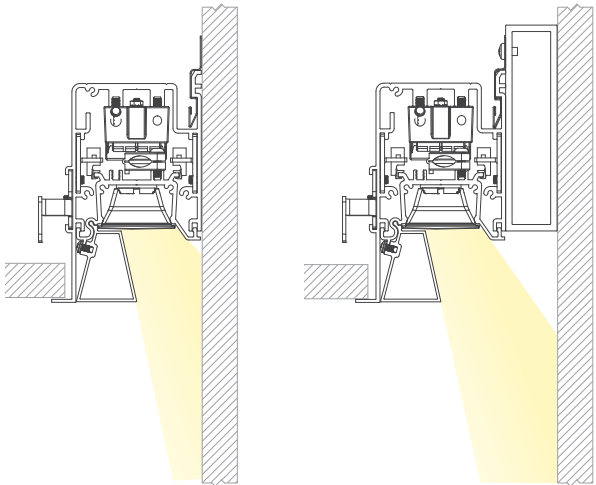


ProTools 60 Linear Wall Graze



Wall grazing is used to highlight textured walls, such as brick, stone or patterned relief, to provide a focal wall or simply increase the perceived brightness of the space. By adding a tight, elliptical beam to the wall graze distribution, light is driven further down the wall and delivers a sheet of light from above the finished ceiling to the base of the wall. The recessed louver cuts viewing angles to the light source when viewed from any angle, and the choice of low or no brightness finishes on the wall-side reflector ensures that the wall is the brightest object in the space.

Soft-Graze
This feature simply extends the optic further from the wall, softening the contrast effect on the wall and placing the light down the front of the feature wall.



Ease of specification

Edgeless Cove									
Model	Fixation	Pattern	Length	Power ³	CRI/ CCT ⁴	Driver ⁵	Lens	Finish ⁷	Options
WG-EC	RPT	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 TW ⁶	E1 L1 POE BT DALI TQ	SSD (std) SDC	W (std) F	LEC REC LREC LWR RWR EM
				L M H	WD RGBW	D010 L3DAE L3DOE EL96 DMX			

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 ease of installation and maintenance.
- High efficiency linear LED in a range of outputs, including static white, tunable white, warm dim and RGBW.
- Integral drivers and through wiring.
- Lengths and angles factory cut to exact field dimensions.
- Mitered and welded corners available with continuous illumination.
- Made in the USA.

Gypsum Ceiling Mounting

79" 190mm

5" minimum 12" typical offset

13" 330mm

2.2" 56mm

End Caps
EC-LEC/REC

End Wall Returns
EC-LWR/RWR

Model	Fixation	Pattern	Length	Power ³	CRI/ CCT ⁴	Driver ⁵	Lens	Finish ⁷	Options
WG-EC	RPT	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 TW ⁶	E1 L1 POE BT DALI TQ	SSD (std) SDC	W (std) F	LEC REC LREC LWR RWR EM
				L M H	WD RGBW	D010 L3DAE L3DOE EL96 DMX			

Model

- WG-EC = Edgeless Cove

Fixation

- RPT = Recessed plaster trim

Pattern

- S = Straight run¹
- PC = Standard pattern: coffer 2, 3 or 4 sided with 90° inside corners²
- PR = Standard pattern: rafter 2, 3 or 4 sided with 90° outside corners²
- PPI = Wall to wall / wall to ceiling, 90° inside corner²
- PPO = Wall to wall / wall to ceiling, 90° outside corner²
- PZ = Non-standard patterns and/or corners other than 90°; consult factory²

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)

Power³

- 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
- TW = Tunable White 2200K - 4000K⁶
- WD = Warm Dim 1800K-3000K
- RGBW = 3000K White

Driver (integral)⁵

- E1 = eidoLED 0.1% dimming, 0-10V (120-277V)
- L1 = Lutron 3% dimming, EcoSystem (120-277V)
- POE = Power over Ethernet
- BT = Wireless CAS - Casambi (Must specify BT with E1 or DALI)
- DALI = eidoLED DALI DT8 0.1% (120-277V)
- TQ = T-series for Lutron Quantum 0.1 % (120-277V) [TW only]
- D010 = Osram, 10%, 0-10V dimming, 120-277V [WD only]
- L3DAE = Lutron Hi-lume 3% EcoSystem, 120-277V [WD only]
- L3DOE = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V (remote) [WD only]
- DMX = Osram + eidoLED 24V, DMX dimming [WD + RGBW Only]

Lens

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

Finish⁷

- W = White, 15% gloss, RAL 9010 / Tiger Drylac 0090.70301 (standard)
- F = Custom finish, specify RAL

Options

- LEC = Left end cap
- REC = Right end cap
- LREC = Left & Right end caps
- LWR = Left wall return
- RWR = Right wall return
- EM = Emergency LED driver (remote)

Notes

- 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 specsheet.
- Wattage shown does not include power supplies/drivers.
- Refer to specsheet for delivered lumens data for all product configurations.
- TW offset up to 75 (100W/ft) power level.
- See power supply page for details.
- See Tiger Drylac color chart: inter-lux.com/tiger

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

38 Whitegoods Coves / Perimeter

Website Product Page

inter•lux

tools for lighting

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Edgeless Cove

The Original Edgeless 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.
- 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.

QS

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Installation

IES / 3D Drawings

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Spec Page

Edgeless Cove Specs Photometry

Quickship Order Form

Coves + Perimeter - Integral Drivers

CC1.3 Static White LED

CC1.3 Tunable White LED

Corner Patterns

Related Products

Mini Edgeless Cove

Box Cove

Mini Box Cove

Box Cove 2

20 Linear Mini Edgeless Cove

Edgeless Nose Cove

Edgeless P Nose Cove

24 Whitegoods Coves / Perimeter

inter-lux.com/whitegoods 25



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.