

ProTools 60 Linear

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

Smart lighting is not always the brightest

Our perception of a space is primarily based on what we see at a glance when we enter that space. Specifically, our eye is automatically drawn to the brightest object in the room before we are really able to appreciate what else the space has to offer. In architecture the goal is to illuminate the surfaces and objects that you wish to be the focus of the space:

- Feature walls
- Merchandise
- Stairways
- Art objects
- Furniture, to name a few

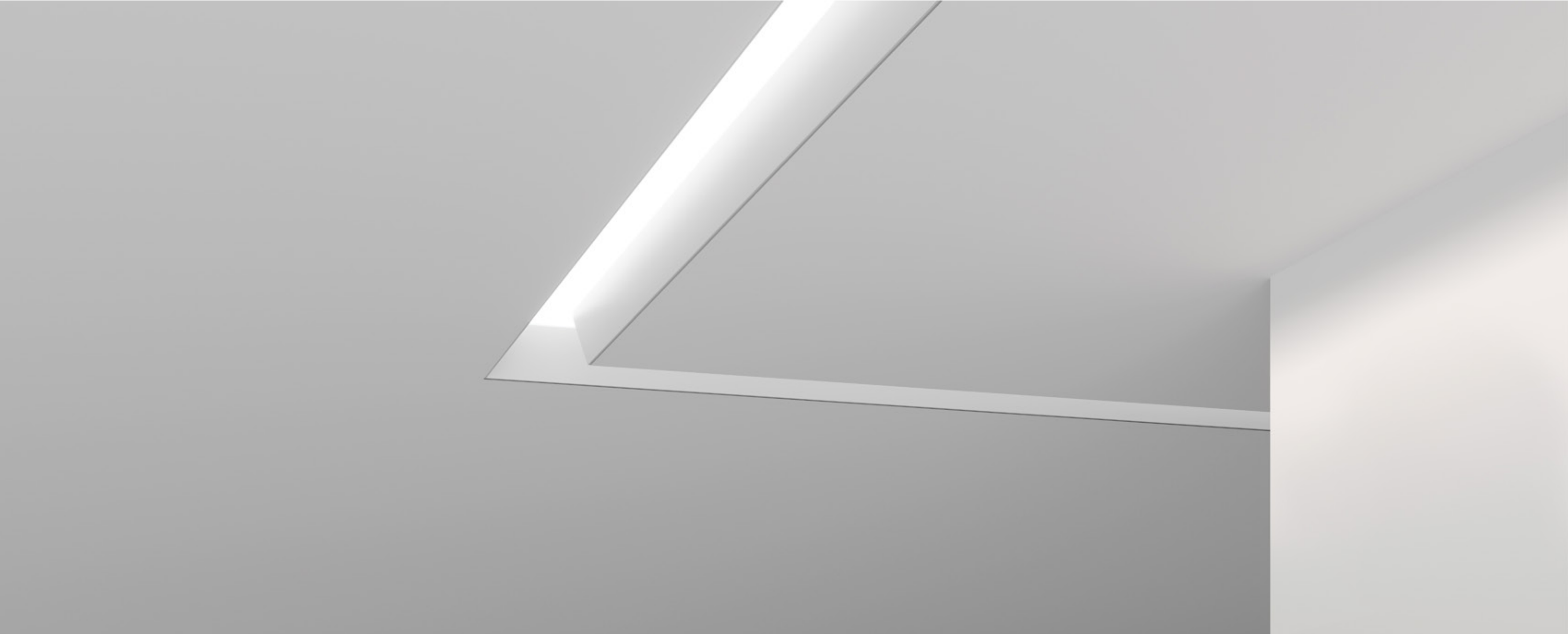
Another focal point could be a decorative luminaire such as a wall sconce or decorative pendant that acts as a feature in the space by virtue of its brightness.

Rarely is the focal point of the room an architectural light fixture such as a recessed downlight or a linear fixture. The objective of these luminaires is to deliver light to the focal points of the space.

Yet, in many architectural interiors the light ends up being the brightest element in the space, the place that immediately draws your eye and becomes the focal point of the design. Bright stripes of light dominating the visual message of the space.

Whitegoods provides tools for the designer to address this issue with a curated range of lighting tools that seamlessly integrate into the architecture while making the absolute minimum visual impact on the space. ProTools 60 Linear is another range of products specially designed to put your interior in the right light.

Whitegoods ProTools 60 Linear is a complete range of high performance, extremely low brightness luminaires that are used to put light where it is meant to be without becoming the brightest object in the space.





Introduction

ProTools 60 Linear Product Range

ProTools 60 Linear is designed to

- Deliver light only where it is intended.
- Eliminate brightness and disturbing glare.
- Transfer the focal point from the light fixture to the objects being illuminated.
- Offer a complete range of distribution options for all lighting design requirements
- Provide a common aesthetic to the space in the form of a minimalistic channel.
- Be easy to specify, produce and install.
- Accommodate both standard dimensions and custom configurations.
- Be compatible with the leading control systems on the market and provide full range, non-flicker dimming.
- Integrate with POE systems to allow greater system wide connectivity.

Features and Benefits

- World-class efficiency that starts with a proprietary LED board that is used throughout all Whitegoods linear and cove products.
- Optical design that decreases light loss and focuses light on the task.
- Brightness control techniques using recessed louvers and low brightness finishes that minimize or eliminate glare and increase visual comfort.
- All optical inserts will fit a common range of housings for maximum modularity.
- Housings are designed to accept all optical inserts as well as accommodate all mounting options. The top performing drivers and control devices are standard in all ProTools 60 Linear products delivering 100% to .1% dimming range without flicker, suitable for spaces using the highest definition video cameras.
- Tight binning, high CRI LEDs are used to deliver consistent color uniformity, including a proprietary Tuneable White.

Design Guide

- A quick photometric reference guide on utilizing ProTools 60 Linear in your space is provided at the end of this catalog.
- We provide you with all the photometric data required to confirm the light levels for your space using ProTools 60 Linear. This data can be found on the website product page for the specific products you intend to utilize.

Regressed lens for evenly illuminated, continuous line of light slightly set above the finished ceiling to minimize the brightness while still delivering wide angle illumination.

Regressing the lens into the ceiling plane allows the linear nature of the product to be the feature rather than the brightness of the lens. Wide angle light illuminates vertical surfaces and widens the perception of the space.

Recessed lens and louver options further remove the distracting brightness from the occupant's vision and allow the features and architecture of the interior to be on display.

By recessing the lens, we also minimize the size of the lens, minimizing glare surface and improving visual cut-off, and we can use a higher transmittance lens to increase efficiency. Lastly, any gap or imperfection in the lens fit is eliminated.

The recessed louver eliminates nearly all visual access to the LED source from any viewing angle. Use it to completely 'quiet' the luminaire in the ceiling and focus on the object being illuminated.

Whether one wishes to illuminate a vertical plane for space clarity or way-finding, or to accent a fine wall-covering or architectural feature, ProTools 60 Linear Wall Wash and Grille Optics can accomplish the task.

The optical system delivers accent level illumination to the work plane while effectively hiding the source.

With the Wall Graze and Perimeter systems, the finished wall extends above the ceiling plane, and the wall is rendered full height. The Wall Wash delivers light to the top of the wall, creating illumination across the plane and all the way to the floor.

With modular design comes enhanced reconfigurability to meet any illumination or geometric requirements of the space. A common housing that installs into or onto any surface can be populated with any optical insert to deliver just the right light to the intended surfaces.

ProTools 60 Linear has standard lengths to fit all ceiling modules as well as the option to tailor the length to the space.

Standard corners for every mounting method can be used to make rectilinear configurations. The modularity inherent in this system would then allow you to have multiple optical inserts in the same run.



Pro Tools 16 Linear Downlight

Overview

	Model 16	Model 16-2	Model 16-3	Model 16-4	Model 16-5	Model 16-6	Model 16-7	Model 16-8	Model 16-9
Power	100 W	150 W	200 W	250 W	300 W	350 W	400 W	450 W	500 W
Beam diameter at 10 m	1.1 m	1.2 m	1.3 m	1.4 m	1.5 m	1.6 m	1.7 m	1.8 m	1.9 m
Beam diameter at 20 m	2.2 m	2.4 m	2.6 m	2.8 m	3.0 m	3.2 m	3.4 m	3.6 m	3.8 m
Beam diameter at 30 m	3.3 m	3.6 m	3.9 m	4.2 m	4.5 m	4.8 m	5.1 m	5.4 m	5.7 m
Beam diameter at 40 m	4.4 m	4.8 m	5.2 m	5.6 m	6.0 m	6.4 m	6.8 m	7.2 m	7.6 m
Beam diameter at 50 m	5.5 m	6.0 m	6.5 m	7.0 m	7.5 m	8.0 m	8.5 m	9.0 m	9.5 m
Beam diameter at 60 m	6.6 m	7.2 m	7.8 m	8.4 m	9.0 m	9.6 m	10.2 m	10.8 m	11.4 m
Beam diameter at 70 m	7.7 m	8.4 m	9.1 m	9.8 m	10.5 m	11.2 m	11.9 m	12.6 m	13.3 m
Beam diameter at 80 m	8.8 m	9.6 m	10.4 m	11.2 m	12.0 m	12.8 m	13.6 m	14.4 m	15.2 m
Beam diameter at 90 m	9.9 m	10.8 m	11.7 m	12.6 m	13.5 m	14.4 m	15.3 m	16.2 m	17.1 m
Beam diameter at 100 m	11.0 m	12.0 m	13.0 m	14.0 m	15.0 m	16.0 m	17.0 m	18.0 m	19.0 m
Beam diameter at 110 m	12.1 m	13.2 m	14.3 m	15.4 m	16.5 m	17.6 m	18.7 m	19.8 m	20.9 m
Beam diameter at 120 m	13.2 m	14.4 m	15.6 m	16.8 m	18.0 m	19.2 m	20.4 m	21.6 m	22.8 m
Beam diameter at 130 m	14.3 m	15.6 m	16.9 m	18.2 m	19.5 m	20.8 m	22.1 m	23.4 m	24.7 m
Beam diameter at 140 m	15.4 m	16.8 m	18.2 m	19.6 m	21.0 m	22.4 m	23.8 m	25.2 m	26.6 m
Beam diameter at 150 m	16.5 m	18.0 m	19.5 m	21.0 m	22.5 m	24.0 m	25.5 m	27.0 m	28.5 m
Beam diameter at 160 m	17.6 m	19.2 m	20.8 m	22.4 m	24.0 m	25.6 m	27.2 m	28.8 m	30.4 m
Beam diameter at 170 m	18.7 m	20.4 m	22.1 m	23.8 m	25.5 m	27.2 m	28.9 m	30.6 m	32.3 m
Beam diameter at 180 m	19.8 m	21.6 m	23.4 m	25.2 m	27.0 m	28.8 m	30.6 m	32.4 m	34.2 m
Beam diameter at 190 m	20.9 m	22.8 m	24.7 m	26.6 m	28.5 m	30.4 m	32.3 m	34.2 m	36.1 m
Beam diameter at 200 m	22.0 m	24.0 m	26.0 m	28.0 m	30.0 m	32.0 m	34.0 m	36.0 m	38.0 m
Beam diameter at 210 m	23.1 m	25.2 m	27.3 m	29.4 m	31.5 m	33.6 m	35.7 m	37.8 m	39.9 m
Beam diameter at 220 m	24.2 m	26.4 m	28.6 m	30.8 m	33.0 m	35.2 m	37.4 m	39.6 m	41.8 m
Beam diameter at 230 m	25.3 m	27.6 m	29.9 m	32.2 m	34.5 m	36.8 m	39.0 m	41.2 m	43.4 m
Beam diameter at 240 m	26.4 m	28.8 m	31.2 m	33.6 m	36.0 m	38.4 m	40.6 m	42.8 m	44.8 m
Beam diameter at 250 m	27.5 m	30.0 m	32.5 m	35.0 m	37.5 m	40.0 m	42.5 m	45.0 m	46.5 m
Beam diameter at 260 m	28.6 m	31.2 m	33.8 m	36.4 m	39.0 m	41.6 m	44.1 m	46.6 m	48.9 m
Beam diameter at 270 m	29.7 m	32.4 m	35.1 m	37.8 m	40.5 m	43.2 m	45.7 m	48.2 m	50.3 m
Beam diameter at 280 m	30.8 m	33.6 m	36.4 m	39.2 m	42.0 m	44.8 m	47.3 m	49.8 m	51.7 m
Beam diameter at 290 m	31.9 m	34.8 m	37.7 m	40.6 m	43.5 m	46.4 m	48.9 m	51.4 m	53.1 m
Beam diameter at 300 m	33.0 m	36.0 m	39.0 m	42.0 m	45.0 m	48.0 m	51.0 m	53.0 m	55.0 m
Beam diameter at 310 m	34.1 m	37.2 m	40.3 m	43.4 m	46.5 m	49.6 m	52.6 m	55.6 m	57.5 m
Beam diameter at 320 m	35.2 m	38.4 m	41.6 m	44.8 m	48.0 m	51.2 m	54.2 m	57.2 m	59.5 m
Beam diameter at 330 m	36.3 m	39.6 m	42.9 m	46.2 m	49.5 m	52.8 m	55.8 m	58.8 m	60.9 m
Beam diameter at 340 m	37.4 m	40.8 m	44.2 m	47.6 m	51.0 m	54.4 m	57.4 m	60.4 m	62.3 m
Beam diameter at 350 m	38.5 m	42							

Notes

1. Beam diameter is calculated at 10 m (32.8 ft) intervals.










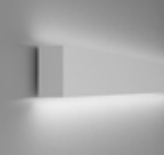
Features

- 16000-hour LED life expectancy
- 100,000 on/off cycles
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- All ProTools 60 Linear products have specification sheets where you can learn about the product as well as easily specify the product.
- The Specification Sheet can be accessed through the website in various ways:
 - Select the product from the brand page
 - Select the product from the downloadable Product Overview PDF
 - Select the product from the website search bar
- From the Product Page you can access all information relative to the specific product you require.

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Click images to go to product pages

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ProTools 60 Linear Features

Quality of Light

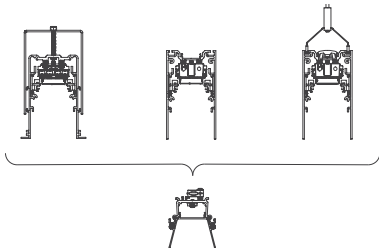
Quality of light starts with the LED technology. Standard is 90+ CRI and 3-Step MacAdam Ellipse binning. These LED devices are used in all Whitegoods Linear products to ensure high quality and uniformity throughout any space designed using multiple Whitegoods products. Next, best of class drivers are used that precisely regulate the LED at full power as well as through a dimming range from 100% to 0.1% without flicker. Finally, precision optics are incorporated to place the light where it is intended, control brightness and not distort the color or the beam of light that is delivered to the space.

Modularity

A key feature in all Whitegoods products is a modular approach to product and systems design. By developing interchangeable components within a product range, inventory, assembly, installation and specification are positively affected. A modular system reduces production time and speeds the install housing to the jobsite when it is needed.

ProTools 60 Linear is easy to specify; one linear form with many performance options. A common housing fitting all mounting requirements, and optical inserts with all the required lighting distributions allow even the most complex combinations to be easily configured.

Standards to fit most application requirements, and customization to fit every space



Technology

Proprietary LED boards provide the most efficient and effective linear lighting solution that combines efficiency and brightness control in a small, integrate-able package. Whitegoods has specially designed a selection of constant current LED boards to be used consistently throughout its linear range. We even conformal coat the boards to protect them against humidity.

Lumens Per Watt	Lumens Per Foot	CCT	CRI	L70	SDCM
170	350 - 2500	2700K - 4000K	92	50,000 HRS	3

*nominal LED board lumens at 3000K

Tuneable White Light

Tuneable White allows you to select any color temperature between 2200K and 4000K, while maintaining the same high quality color rendering as the standard LED. This feature is often used in health and wellness applications, as well as work spaces to increase productivity, architectural spaces to match natural light, and for design focus in retail and hospitality environments.

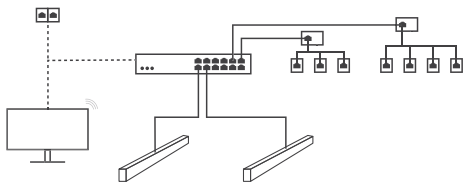
Color Temperature	Description	Typical Usage
4000K	Cool	Office, Exterior
3500K	Neutral Cool	Office
3000K	Neutral Warm	Office, Residential
2700K	Warm: Halogen Incandescent	Residential, Hotel
2200K	Very Warm Incandescent	Residential

Control and Connectivity

ProTools 60 Linear is compatible with the major dimming technologies available on the market today: 0-10V, Lutron, DMX, DALI. In combination with our proprietary Constant Current LED boards, full-range, flicker-free dimming is available, even for high-definition video camera.

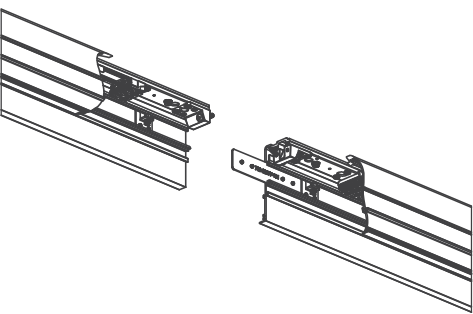
Wireless systems such as Casambi can be used for ease of localized control where flexibility and accessibility are considerations.

The use of POE (power over ethernet) technology allows ProTools 60 Linear products to be included into a local area network of electrical devices that can be easily configured for maximum control flexibility while minimizing wiring.



Mechanical Integrity

Whitegoods has introduced the *Sure-lock* to ensure that the individual fixtures in a continuous run are not just aligned, but also drawn tightly together to create the most minimal seam. Passive means of holding fixtures together does not work. *Sure-lock* pulls the fixtures together and maintains a tight joint for the life of the installation.



Delivering Illumination Without the Brightness



Typical Flush Lens



ProTools 60 Linear Recessed Lens

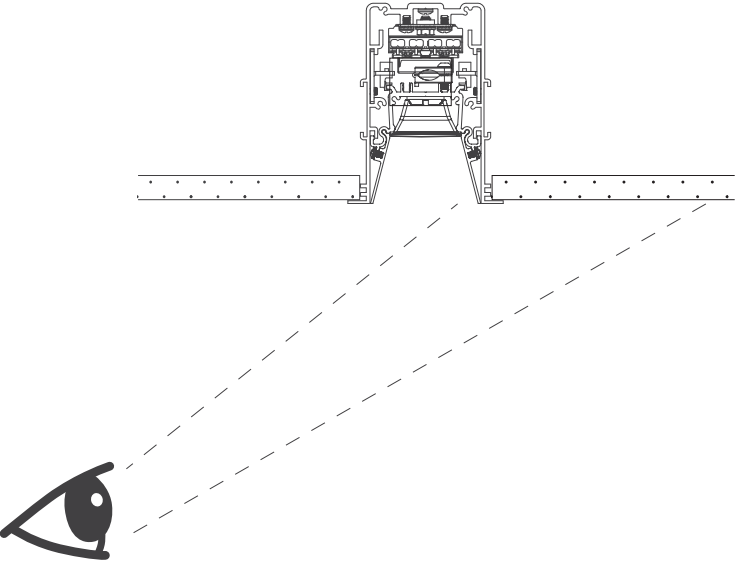
Luminance

Luminance is the measure of how bright an object appears to the human eye and is a reading of the amount of light (candelas/m²) that reaches your eye. The luminance value, combined with the visual cut-off angle, is important in determining if a luminaire will be a glare nuisance in the space.

The relationship between the luminance values of the luminaire and the ceiling will indicate the contrast between them. A contrast ratio > 5:1 (luminaire to ceiling luminance) indicates that the luminaire will be a focal point in the space as it is significantly brighter than its surroundings.

A ratio < 5:1 (ex. 3:1) will indicate a very 'quiet' luminaire that will most likely not stand-out as the brightest object in the space.

All ProTools 60 Linear luminance values are indicated on their photometric reports. These photometric reports are also used to calculate the light levels in a space, and thus can be used to determine luminance of a surface such as walls and ceilings.



Unified Glare Rating

Unified Glare Rating is an indicative rating that designers can use to create a space that avoids the discomfort and distraction of glare. For luminaires, this rating is primarily based on a calculation that takes into account:

- Luminance value of the luminaire
- Background luminance
- Viewing angle to the light source as seen by people in the space

UGR is one way to compare the relative glare or brightness control of one luminaire versus another. A rating of <19 is acceptable for most spaces. The UGR rating for each ProTools 60 Linear luminaire is located on the photometric report and available at inter-lux.com/whitegoods.

$$UGR = 8 \log \left[\frac{0.25}{L_b} \sum \left(\frac{L^2 \omega}{p^2} \right) \right]$$

Efficiency

ProTools 60 Linear starts with the highest lumen per watt rating from the proprietary LED boards that are used throughout the Whitegoods brand. The design and technology that delivers light only where it is needed and simultaneously minimizes glare are sympathetic design features. High efficiency optics that include low brightness features are utilized to deliver light only where it is needed.

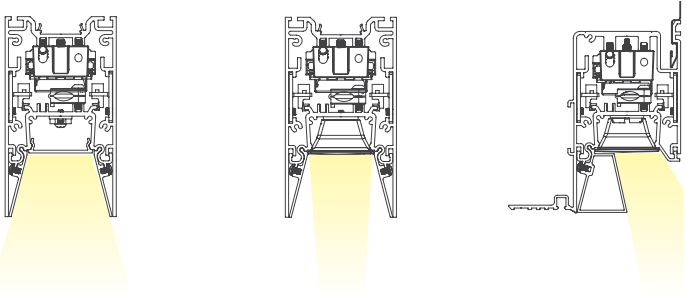
Luminaire efficiency is a measure of the light output of the luminaire in relation to the light output of the light source (LED). The higher the percentage of light that is emitted by the luminaire, the greater the efficiency. LED efficacy is represented by the amount of light emitted by the bare LED in ratio to the power expended to produce that light expressed in lumens per watt.

The system efficacy would be the ratio of light emitted from the luminaire in relation to the power expended, expressed in delivered lumens/watt. Thus the more light that is allowed to exit the luminaire, the more efficient the design is and the fewer watts per square foot could be your design – if all the light goes where you need it!

We feel that beam control is also a factor in luminaire efficiency. That is why ProTools 60 Linear is offered with various optics and reflectors to accommodate any application in the most efficient manner.

LED Efficiency (180 lumens per watt)		
Lens	Luminaire	System Efficacy
Recessed Micro-prismatic Lens	59%	78 lumens per watt
Recessed Black Louver	87%	101 lumens per watt
Regressed Opal Lens	54%	72 lumens per watt

*Based on 3000K LED



Protools 60 Linear Wall Graze / Soft Graze

All feature walls are not created equal -so why graze them in the same way?

ProTools 60 Llnear Wall Graze and Soft Graze allow you to illuminate a wall surface with the appropriate set-back so you can control the amount of contrast that is visible on a textured or patterned surface.

Absolute brightness control eliminates glare and ensures that the wall is the brightest feature.

The luminaire housing allows the wall to be illuminated full height and from above the ceiling plane.

The Soft Graze bracket integrates seamlessly between the wall and the luminaire to offer fine-tuning of the wall contrast for just the right effect.

Of course further fine tuning is possible by specifying any of the standard color temperatures available from 2700-4000K. Or specify Tuneable White that allows you to change the color temperature from 2200K to 4000K at any time.

Additionally, flicker-free, full-range dimming is standard and an absolute requirement in video spaces.

A range of lumen output options and optics are suited to graze walls from 8' to above 30' in height.

Wall Graze



Soft Graze 1"



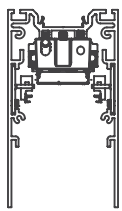
Soft Graze 2"



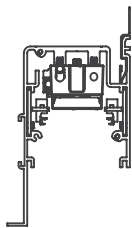
Soft Graze 3"



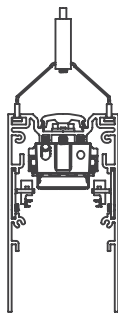
ProTools 60 Linear Family



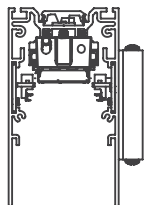
Surface/Recessed Housing



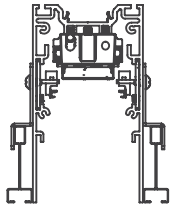
Recessed Perimeter Housing



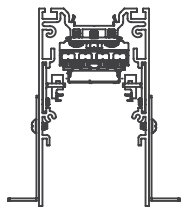
Suspended
(WG-60PTL-S)
(WG-60PTLDI-S)



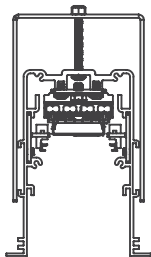
Wall/Mullion Mount
(WG-60PTL-WM/MM)
(WG-60PTLDI-WM/MM)



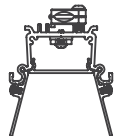
Recessed Grid
(WG-60PTL-RGS)



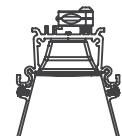
Recessed Plaster Trim
(WG-60PTL-RPT)



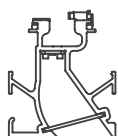
Recessed Bezel Trim
(WG-60PTL-RBT)



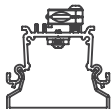
Recessed
Micro-prismatic Lens
(RML)



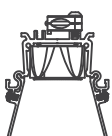
Recessed Louver
(RLW)
(RLB)



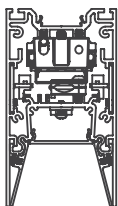
Wall Wash Lens
(WW + RML)



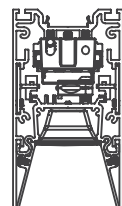
Regressed Opal Lens
(ROL)



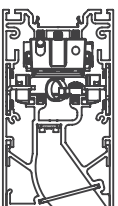
Recessed Narrow Optic
(RNO)



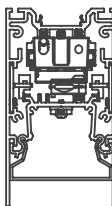
Recessed
Micro-prismatic Lens
(RML)



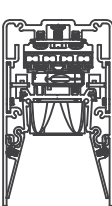
Recessed Louver
(RLW)
(RLB)



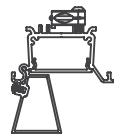
Recessed Lens + Wall Wash
(RML + WW)



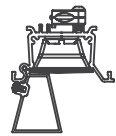
Regressed Opal Lens
(ROL)



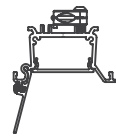
Recessed Narrow Optic
(RNO)



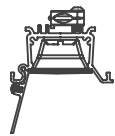
Lens + Wall Graze
(REO + WG)



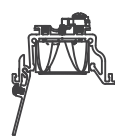
Louver + Wall Graze
(RLW + WG)
(RLB + WG)



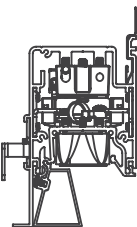
Perimeter
Recessed Lens
(RML)



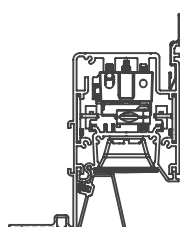
Perimeter with
Recessed Louver
(RLW)
(RLB)



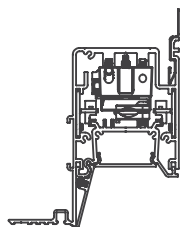
Perimeter with
Recessed Elliptical Optic
(REO)



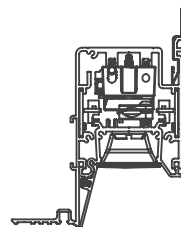
Recessed Lens
+ Wall Graze
(REO + WG)



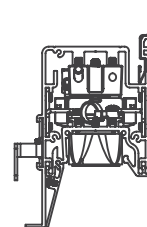
Recessed Louver
+ Wall Graze
(RLB + WG)
(RLW + WG)



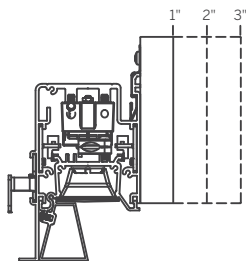
Recessed
Micro-prismatic Lens
(RML)



Recessed Louver
(RLW)
(RLB)



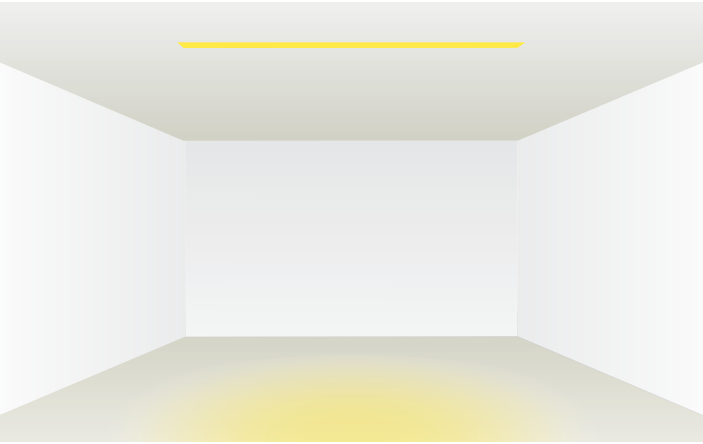
Recessed Elliptical Optic
(REO)



Soft Graze: 1" 2" 3"
(SG - 1, SG - 2, SG - 3)

ProTools 60 Linear Applications

Downlight



Regressed Opal Lens

Delivers wide angle general illumination for open spaces such as offices, corridors and classrooms.

Recessed Micro-prismatic Lens

General illumination with greater brightness control. Spaces where wide angle illumination is required and the source of illumination is not intended as a feature of the space.

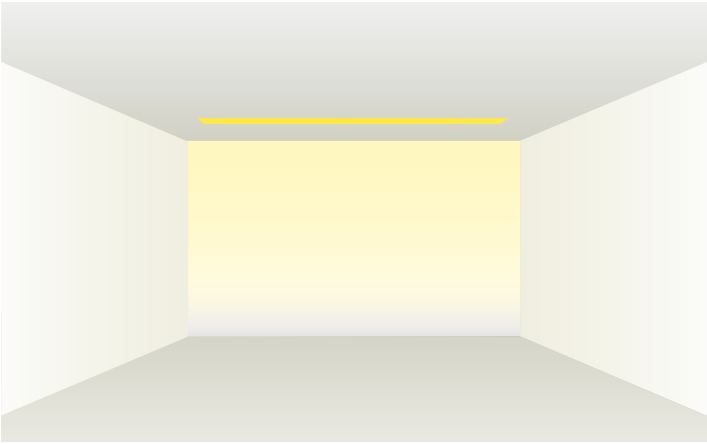
Recessed Louver

This optic delivers narrow to wide angle illumination and a deep recessed louver that eliminates any direct source of brightness. Most applicable for spaces where the object to be illuminated is intended to be the most visible object in the space.

Mounting Options

- Recessed in any ceiling type
- Surface mounted
- Suspended
- Wall mounted
- Perimeter mounting

Wall Wash



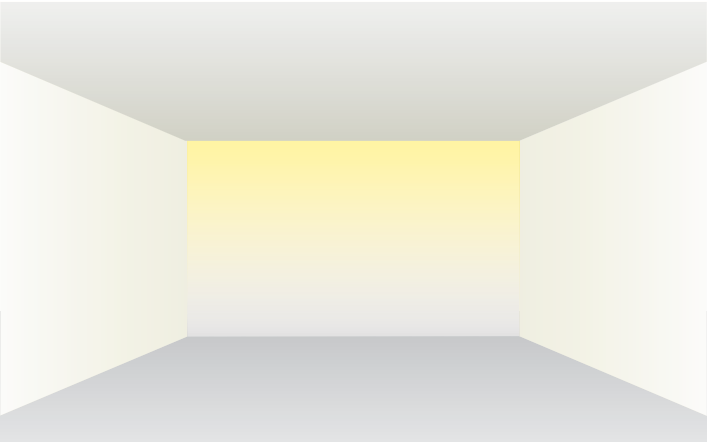
Recessed Micro-prismatic Lens

Spaced appropriately from the wall, even illumination is applied up to 20' ceiling height. Classic wall wash from soft start at the ceiling, majority of light concentrated at the visual range and light all the way to the base of the wall. Deep recessed lens and a choice of reflector finishes can render the wall as the focal point, rather than the fixture aperture

Mounting Options

- Recessed in any ceiling type
- Surface mounted
- Suspended

Wall Graze / Soft-Graze



Recessed Micro-prismatic Lens

The specially designed recessed housing positions the optic above the junction of the wall and ceiling and allows the finished wall to continue past the finished ceiling to deliver a soft grazing light down the wall.

Use the Recessed Lens in up to 30 foot ceiling heights when the light is to obviously emanate from above the ceiling and gradually diminish towards the floor.

Recessed Louver

By adding a tighter beam of light 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.

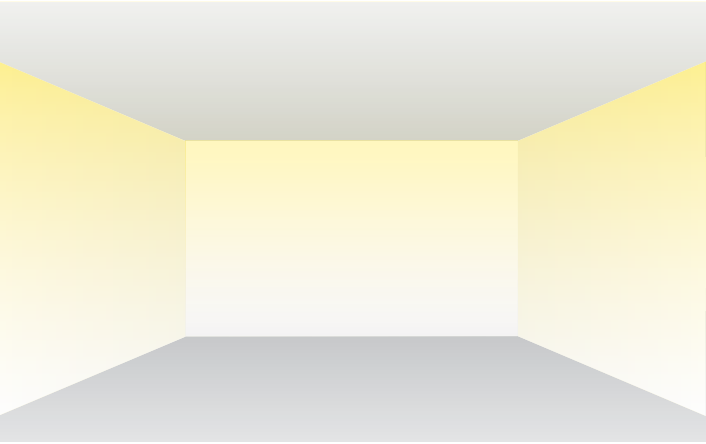
Soft-Graze

This feature simply extends the optic further from the wall and softens the contrast effect on the wall. All texture or imperfections of the wall will be less noticeable while you still have the option of using this fine grazing light.

Mounting Options

- Recessed in any ceiling type
- Perimeter mounting

Perimeter



Recessed Micro-prismatic Lens

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.

Recessed Louver

Adding narrow beam optics and a deeply recessed louver in the perimeter system can deliver high levels of light to accent a wall feature up to 25 feet high, and illuminate objects below such as furniture or plant walls - while eliminating all source of glare.

Soft-Graze

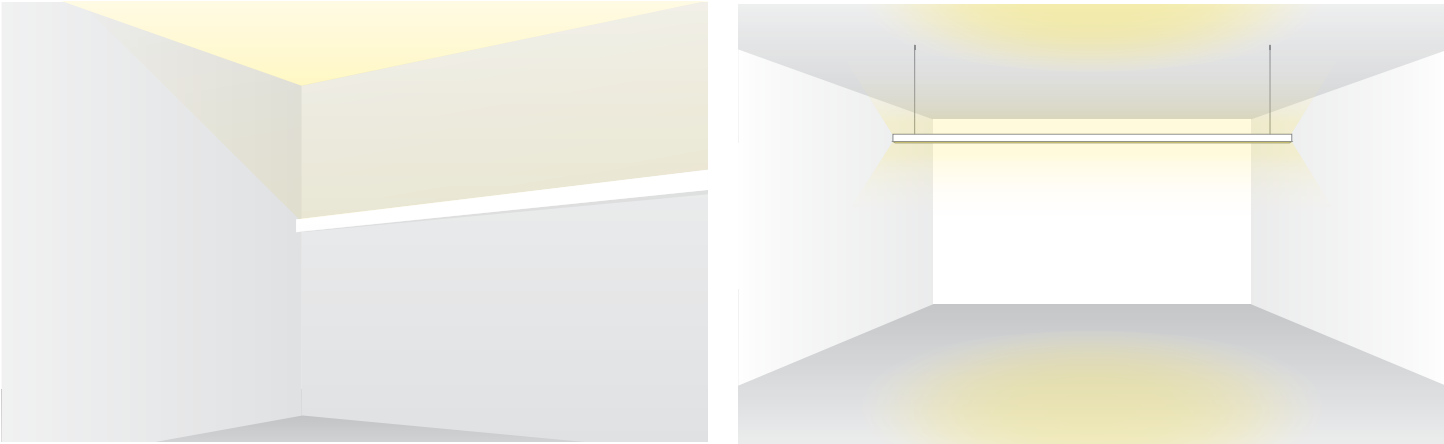
This feature simply extends the optic further from the wall, softens the contrast effect on the wall and projects more light to horizontal surfaces and features on the floor below.

Mounting Options

- Recessed in any ceiling type
- Perimeter mounting

Indirect

Direct/Indirect



Batwing

ProTools 60 Linear uplight optics are accomplished through high efficiency refractor lenses specially designed for our LED boards. The Batwing is the wide angle lens that also delivers an even level of light directly above the luminaire. Use this lens when you are as close to the ceiling as 6 inches, use low power LED and still get light out into the space. Typical distances from the ceiling would be 12 inches and more for higher light output.

Asymmetric

The asymmetric lens is used to direct the majority of the light to one direction. Using this uplight option in a wall mount luminaire will put much less light on the wall and more into the space being illuminated.

Mounting Options

- Suspended
- Wall Mount

Direct Light

The downlight component of any Direct/Indirect luminaire utilizes the same optical inserts, thus the same optics as previously referenced under: Downlight.

Indirect Light

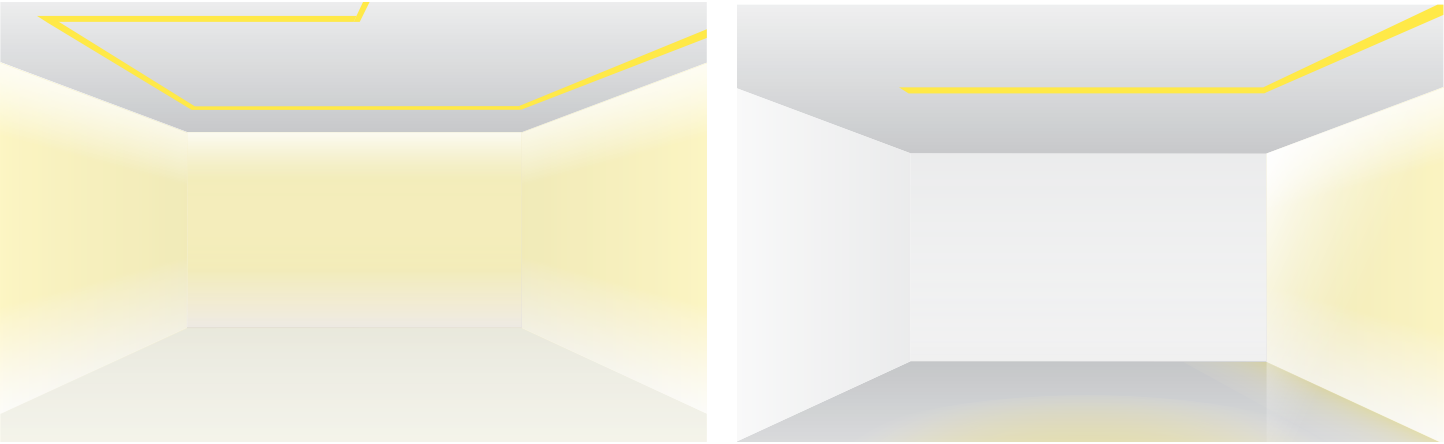
The uplight component of any Direct/Indirect luminaire utilizes the same optical inserts, thus the same optics as previously referenced under: Indirect.

Mounting Options

- Suspended
- Wall Mount

Configurations

Combinations



Configurations

All ProTools 60 Linear products are capable of being combined to produce continuous runs of any length. Our Housings can be produced to exact dimensions, the illuminated lenses (Regressed and Recessed) can fill the entire housing with light. Only the Recessed Louver has practical length limitations and cannot accommodate any length - so the LED/louver is provided in 12 inch increments and the difference is filled LED with a recessed snap-in cover, finished to the same color as the housing and evenly applied to both ends of a run. Of course we can customize that.

We provide corners in 90 degree standard as well as custom. In the same plane, or in two planes such as wall-to-ceiling and wall-to-wall.

Mounting Options

- Recessed
- Surface Mount
- Suspended
- Wall Mount
- Perimeter

Combinations

Because ProTools 60 Linear has been designed in such a modular fashion, we can populate the housings with different optical inserts - even in a single luminaire or run of multiple luminaires.

As long as you specify in 12 inch segments with minimum 24 inch lengths, we can accommodate your space with a multiple function linear solution.

A Combination is appropriate in spaces where a clean, low brightness, continuous appearance in combination with different lighting applications are required, such as retail, conference rooms and lobbies.

Mounting Options

- Recessed
- Surface Mount
- Suspended
- Wall Mount



ProTools 60 Linear Downlight
Recessed

- 2.4” aperture, integrated solution that is compatible with all ceiling types
- Standard and tailored run lengths, including corners
- Downlight inserts for spaces up to 30’ high
- Control and connectivity options
- Choice of beam spreads to accommodate all applications
- Extreme brightness control and the elimination of disturbing glare
- Modularity of insert modules for ultimate design flexibility
- Consistent LED technology throughout the Whitegoods product range
- Flexible design allows exact wall-to-wall dimensions
- Flicker-free full range dimming with standard driver (Eldoled)
- Manufactured in the USA

Housing Precision extruded aluminum for true dimensions and tolerances
Toolless component assembly from below
Perfect fit with inserts, louvers and lenses
Standard and tailored lengths including corner configurations
Recessed snap-in cover for non-illuminated section
Finishes: white, silver and custom

Integration Fixation into gypsum, hard ceilings and all grid ceiling types

Distribution 30, 35, 50, 80, 105 degree symmetrical downlight

LED >90 CRI, 3-Step MacAdam, 2700-4000K static white
3W - 15W per foot, 180 Lumens/watt average*
RA 91-94 (2700-4000K)
Conformal coated for protection against humidity optional
L70 (TM21 Projected 85C) 72,000 hours
Tuneable white 2200-4000K, 180 lumens per watt average

Optic Recessed micro-prismatic lens - diffusion with maximum efficiency
Regressed opal acrylic lens - evenly illuminated line of light
Recessed louver in white or black - extreme cut-off
Recessed narrow optic - narrow beam
UGR average rating of 19

Reflector White: high efficiency (standard with RLW)
Black: no brightness (standard with RLB)
Silver: low brightness
All 15% gloss
Custom finish available

Driver Compatible with quality constant current drivers

Connectivity POE
Wireless

Weight 4lbs per foot

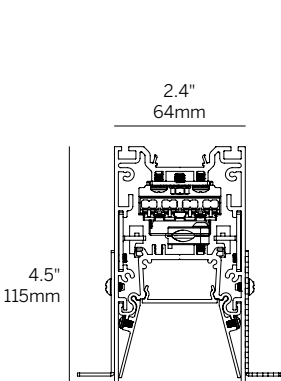
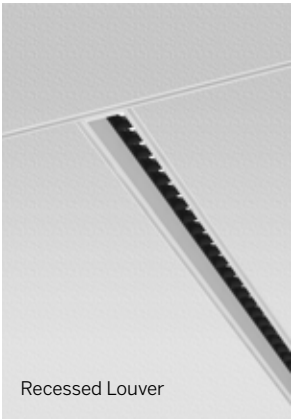
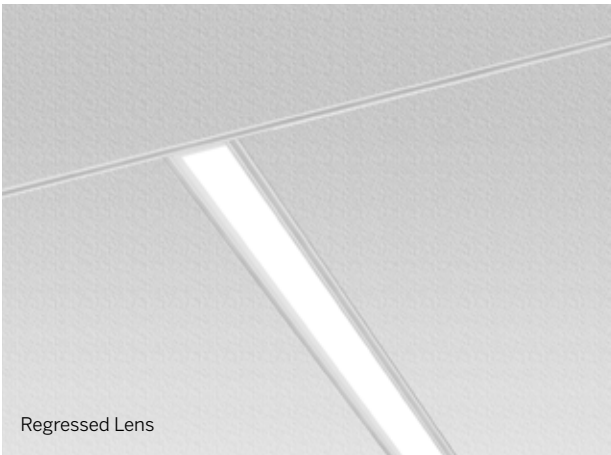
Operating Temp Suitable for operation in maximum ambient temperature of 35C (95F)

Warranty 5-year Limited (see complete company warranty information)

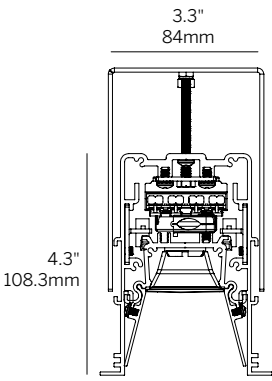
Certifications ETL and ETL-C for dry and damp location, CE, Chicago plenum

Voltages 120-277VAC, 347VAC

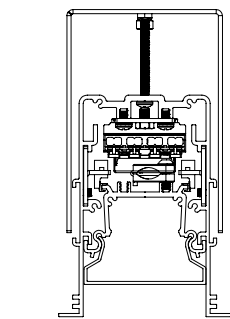
*nominal lumens



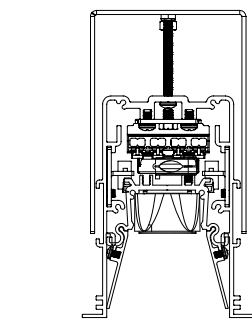
Recessed Micro-prismatic Lens (RML)



Recessed Louver (RLW, RLB)



Regressed Opal Lens (ROL)



Recessed Narrow Optic (RNO)

ProTools 60 Linear Downlight
Recessed

Model	Fixation	Pattern	Length ²	CRI/CCT	Optic	Beam	Power ⁴	Driver ⁵	Housing Finish ⁶	Reflector Finish ⁶	Options
WG-60PTL	RPT RBT RG9 RG15 RGS	S P ¹ PZ ¹	48 96 XX ³	927 930 935 940 TW	RML ROL RLW ³ RLB ³ RNO	80 105 35 50 30	P1 P2 P3 P4	E1 L1 L0 A3 POE BT TQ DMX	W S F	W B S F	CP EM NYC TF

Model

- WG-60PTL = ProTools 60 Linear Downlight

Fixation

- RPT = Recessed plaster trim
- RBT = Recessed trim for hard ceiling
- RG9 = Recessed trim for 9/16” grid
- RG15 = Recessed trim for 15/16” grid
- RGS = Recessed trim for slot ceiling

Pattern

- S = Straight run
- P = Standard patterns 2, 3 or 4 sided with 90° corners on the same plane¹
- PZ = Non-standard patterns and/or corners other than 90° on multiple planes, consult factory¹

Length²

- 24 = 24”
- 48 = 48”
- 96 = 96”
- XX = Specify inches to the nearest 0.25”³

CRI/CCT

- 90+ CRI
- 927 = 2700K
- 930 = 3000K
- 935 = 3500K
- 940 = 4000K
- TW = Tuneable white 2200-4000K

Optic

- RML = Recessed micro-prismatic lens
- ROL = Regressed opal lens
- RLW = Recessed louver white (supplied with white reflectors standard)³
- RLB = Recessed louver black (supplied with black reflectors only)³
- RNO = Recessed narrow optic

Beam

- 80 = 80° (RML)
- 105 =105° (ROL)
- 35 = 35° (RLW, RLB)
- 50 = 50° (RLW, RLB)
- 30 = 30° (RNO)

Power⁴

Lens (ROL/RML)

- P1 = 3W/ft (300/330 lm/ft)
- P2 = 6W/ft (565/620 lm/ft)
- P3 = 10W/ft (870/950 lm/ft)
- P4 = 15W/ft (1280/1400 lm/ft)

Tuneable White (ROL/RML)

- P2 = 6W/ft (274-281/299-307 lm/ft)
- P3 = 10W/ft (405-426/442-466 lm/ft)

Louver (RLW/RLB/RNO)

- P2 = 6W/ft (890/850/940 lm/ft)
- P3 = 10W/ft (1340/1280/1400 lm/ft)
- P4 = 15W/ft (1920/1835/2000 lm/ft)

Driver⁵

- E1 = EldoLED 0.1% dimming, 0-10V (120-277V)
- L1 = Lutron 1% dimming, Ecosystem (120-277V)
- L0 = Lutron 0.1% dimming, Ecosystem (120-277V)
- A3 = Advance 1% dimming, 0-10V (347V ONLY)
- PoE = Power over Ethernet
- BT = Wireless CAS – Casambi
- TQ = T-Series for Lutron Quantum 0.1% (120-277V) (Tunable white ONLY)
- DMX = EldoLED 0.1% dimming DMX (120-277V)

Housing Finish⁶

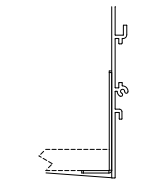
- W = White, 15% gloss, Tiger Drylac 49/11350 (standard)
- S = Silver, 15% gloss, Tiger Drylac 49/90500
- F = Custom finished trim, specify RAL

Reflector Finish⁶

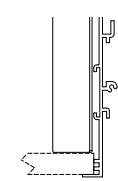
- W = White, 15% gloss, Tiger Drylac 49/11350 (standard with RLW)
- B = Black, 15% gloss, Tiger Drylac 44/90053 (standard with RLB)
- S = Silver, 15% gloss, Tiger Drylac 49/90500
- F = Custom finished trim, specify RAL

Options

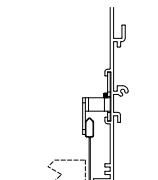
- CP = Chicago Plenum Rated
- EM = Emergency (remote)
- NYC = 6’ whip per run
- TF = Top feed



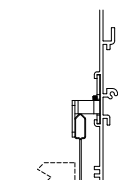
Plaster trim (RPT)



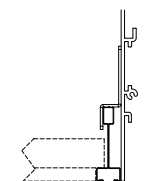
Recessed trim (RBT)



9/16” grid (RG9)



15/16” grid (RG15)



Slot (RGS)

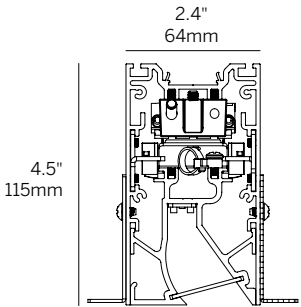
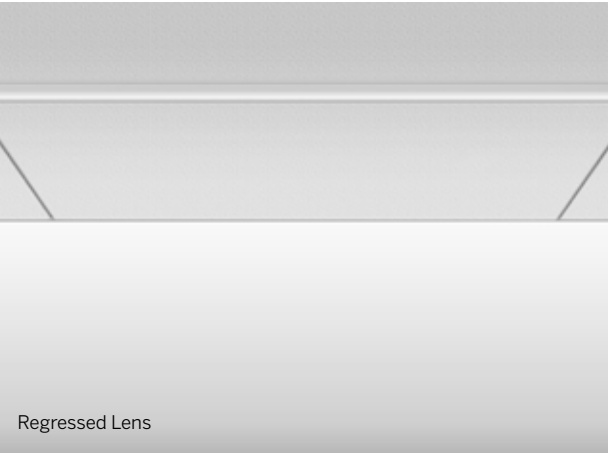
Whitegoods reserves the right to change any information without prior notice.

Notes

- ¹ See pattern spec sheet.
- ² Individual fixture lengths less than 2’ may require remote driver.
- ³ Specify Lensed products to nearest 0.25”. Specify Louvered and Tuneable White products in 12” increments for continuous light. Louver supplied in 12” increments, balance of the run will have recessed blank covers on ends.
- ⁴ Values are approximate delivered lumens for 3000K LEDs; refer to product data sheet for additional details. For RLB/RLW, delivered lumens with 50 degree beam.
- ⁵ See power supply page for details.
- ⁶ See Tiger Drylac color chart: inter-lux.com/tiger

ProTools 60 Linear Wall Wash
Recessed

- 2.4” aperture, integrated solution that is compatible with all ceiling types
- Standard and tailored run lengths, including corners
- Wash to 30’ wall height
- Extreme brightness control and the elimination of disturbing glare
- Modularity of insert modules for ultimate design flexibility
- Consistent LED technology throughout the Whitegoods product range
- Evenly illuminate the wall from top to the bottom with smooth gradation
- Flexible design allows exact wall-to-wall dimensions
- Flicker-free full range dimming with standard driver (Eldoled)
- Manufactured in the USA



Recessed Lens + Wall Wash (LML + WW)

Housing	Precision extruded aluminum for true dimensions and tolerances Toolless component assembly from below Perfect fit with inserts, louvers and lenses Standard and tailored lengths including corner configurations Recessed snap-in cover for non-illuminated section Finishes: white, silver and custom
Integration	Fixation into gypsum, hard ceilings and all grid ceiling types
Distribution	Wall Wash
LED	>90 CRI, 3-Step MacAdam, 2700-4000K static white, constant current 3W - 15W per foot, 180 Lumens/watt average* RA 91-94 (2700-4000K) Conformal coated for protection against humidity optional L70 (TM21 Projected 85C) 72,000 hours Tuneable white 2200-4000K, 180 lumens per watt average
Optic	Linear micro-prismatic lens - diffusion and high efficiency UGR average rating of 19
Reflector	White: high efficiency Silver: low brightness All 15% gloss Custom finish available
Driver	Compatible with quality constant current drivers
Connectivity	POE Wireless
Weight	4lbs 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, Chicago plenum
Voltages	120-277VAC, 347VAC

*nominal lumens

ProTools 60 Linear Wall Wash
Recessed

Model	Fixation	Pattern	Length ²	CRI/CCT	Optic	Beam	Power ⁴	Driver ⁵	Housing Finish ⁶	Reflector Finish ⁶	Options
WG-60PTLWW	RPT RBT RG9 RG15 RGS	S P ¹ PZ ¹	24 48 96 XX ³	927 930 935 940 TW	LML	WW	P1 P2 P3 P4	E1 L1 L0 A3 POE BT TQ DMX	W S F	W S F	CP EM NYC TF

Model
■ WG-60PTLWW = ProTools 60 Linear Wall Wash

Fixation
■ RPT = Recessed plaster trim
■ RBT = Recessed trim for hard ceiling
■ RG9 = Recessed trim for 9/16” grid
■ RG15 = Recessed trim for 15/16” grid
■ RGS = Recessed trim for slot ceiling

Pattern
■ S = Straight run
■ P = Standard patterns 2, 3 or 4 sided with 90° corners on the same plane¹
■ PZ = Non-standard patterns and/or corners other than 90° on multiple planes, consult factory¹

Length²
■ 24 = 24”
■ 48 = 48”
■ 96 = 96”
■ XX = Specify inches to the nearest 0.25”³

CRI/CCT
90+ CRI
■ 927 = 2700K
■ 930 = 3000K
■ 935 = 3500K
■ 940 = 4000K
■ TW = Tuneable white 2200-4000K

Optic
■ LML = Linear micro-prismatic lens

Beam
■ WW = Wall Wash

Power⁴
Static White
■ P1 = 3W/ft (225 lm/ft)
■ P2 = 6W/ft (420 lm/ft)
■ P3 = 10W/ft (640 lm/ft)
■ P4 = 15W/ft (950 lm/ft)

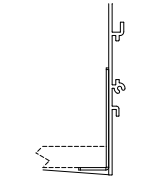
Tuneable White
■ P2 = 6W/ft
■ P3 = 10W/ft

Driver⁵
■ E1 = EldoLED 0.1% dimming, 0-10V (120-277V)
■ L1 = Lutron 1% dimming, Ecosystem (120-277V)
■ L0 = Lutron 0.1% dimming, Ecosystem (120-277V)
■ A3 = Advance 1% dimming, 0-10V (347V ONLY)
■ PoE = Power over Ethernet
■ BT = Wireless CAS – Casambi
■ TQ = T-Series for Lutron Quantum 0.1% (120-277V) (Tunable white ONLY)
■ DMX = EldoLED 0.1% dimming DMX (120-277V)

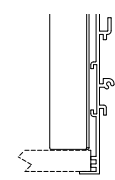
Housing Finish (Includes kick reflector)⁶
■ W = White, 15% gloss, Tiger Drylac 49/11350 (standard)
■ S = Silver, 15% gloss, Tiger Drylac 49/90500
■ F = Custom finished trim, specify RAL

Reflector Finish (Wall side only)⁶
■ W = White, 15% gloss, Tiger Drylac 49/11350
■ S = Silver, 15% gloss, Tiger Drylac 49/90500
■ F = Custom finished trim, specify RAL

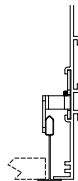
Options
■ CP = Chicago Plenum Rated
■ EM = Emergency (remote)
■ NYC = 6’ whip per run
■ TF = Top feed



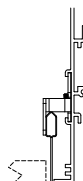
Plaster trim (RPT)



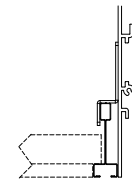
Recessed trim (RBT)



9/16” grid (RG9)



15/16” grid (RG15)



Slot (RGS)

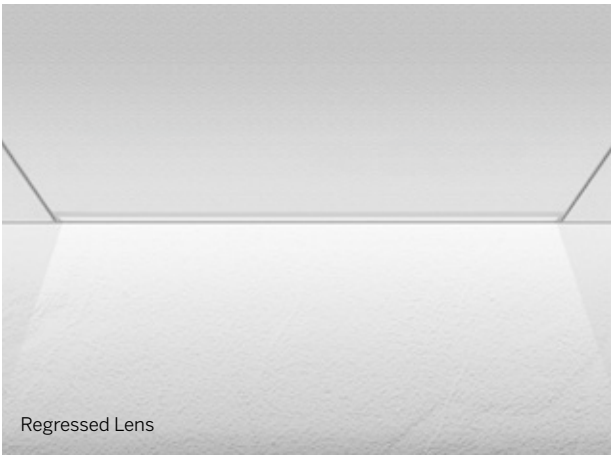
Whitegoods reserves the right to change any information without prior notice.

Notes
1 See pattern spec sheet.
2 Individual fixture lengths less than 2’ may require remote driver.
3 For Lensed products, specify to nearest 0.25”.
4 Values are approximate delivered lumens for 3000K LEDs; refer to product data sheet for additional details.
5 See power supply page for details.
6 See Tiger Drylac color chart: inter-lux.com/tiger



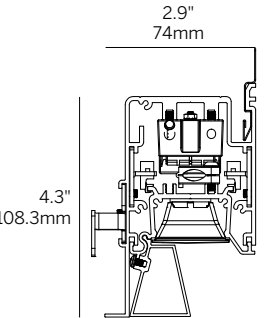
ProTools 60 Linear Wall Graze
Recessed

- 2.4” aperture, integrated solution that is compatible with all ceiling types
- Standard and tailored run lengths, including corners
- Graze to 30’ wall height
- Extreme brightness control and the elimination of disturbing glare
- Consistent LED technology throughout the Whitegoods product range
- Easy to install housing allows the wall to continue above the finished ceiling
- Flexible design allows exact wall-to-wall dimensions
- Flicker-free full range dimming with standard driver (Eldoled)
- Manufactured in the USA

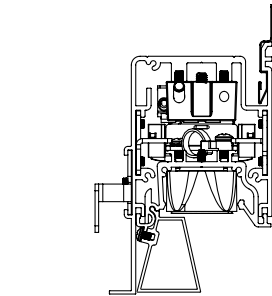


Housing	Precision extruded aluminum for true dimensions and tolerances Toolless component assembly from below Perfect fit with inserts, louvers and lenses Standard and tailored lengths including corner configurations Recessed snap-in cover for non-illuminated section Finishes: white, silver and custom
Integration	Fixation into gypsum, hard ceilings and all grid ceiling types Finished wall continues past the ceiling line
Distribution	Wall Graze
LED	>90 CRI, 3-Step MacAdam; 2700K-4000K static white, constant current 3W - 15W per foot, 180 Lumens/watt average* RA 91-94 (2700-4000K) Conformal coated for protection against humidity optional L70 (TM21 Projected 85C) 72,000 hours
Optic	Recessed louver in white or black - extreme cut-off Recessed elliptical optic - high efficiency graze UGR average rating of 19
Reflector	White: high efficiency (standard with RLW) Black: no brightness (standard with RLB) Silver: low brightness All 15% gloss Custom finish available
Driver	Compatible with quality constant current drivers
Connectivity	POE Wireless
Weight	4lbs 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
Voltages	120-277VAC, 347VAC

*nominal lumens



Recessed Louver
(RLW, RLB + WG)



Recessed Elliptical Optic
(REO + WG)

ProTools 60 Linear Wall Graze
Recessed

Model	Fixation	Pattern	Length ²	CRI/CCT	Optic	Beam	Power ⁴	Driver ⁵	Housing Finish ⁶	Options
WG-60PTLWG	RPT RBT RG9 RG15	S P ¹ PZ ¹	24 48 96 XX ³	927 930 935 940	RLW ³ RLB ³ REO	WG	P2 P3 P4	E1 L1 L0 A3 POE BT	W S F	CP EM NYC TF

Model
■ WG-60PTLWG = ProTools 60 Linear Wall Graze

Fixation
■ RPT = Recessed plaster trim
■ RBT = Recessed trim for hard ceiling
■ RG9 = Recessed trim for 9/16” grid
■ RG15 = Recessed trim for 15/16” grid

Pattern
■ S = Straight run
■ P = Standard patterns 2, 3 or 4 sided with 90° corners on the same plane¹
■ PZ = Non-standard patterns and/or corners other than 90° on multiple planes, consult factory¹

Length²
■ 24 = 24”
■ 48 = 48”
■ 96 = 96”
■ XX = Specify inches to the nearest 0.25”³

CRI/CCT
90+ CRI
■ 927 = 2700K
■ 930 = 3000K
■ 935 = 3500K
■ 940 = 4000K

Optic
■ RLW = Recessed louver white (supplied with white reflectors standard)³
■ RLB = Recessed louver black (supplied with black reflectors only)³
■ REO = Recessed elliptical optic

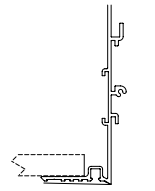
Beam
■ WG = Wall Graze

Power⁴
Static White
■ P2 = 6W/ft (675 lm/ft)
■ P3 = 10W/ft (1020 lm/ft)
■ P4 = 15W/ft (1460 lm/ft)

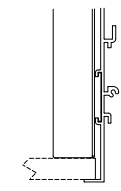
Driver⁵
■ E1 = EldoLED 0.1% dimming, 0-10V (120-277V)
■ L1 = Lutron 1% dimming, Ecosystem (120-277V)
■ L0 = Lutron 0.1% dimming, Ecosystem (120-277V)
■ A3 = Advance 1% dimming, 0-10V (347V ONLY)
■ PoE = Power over Ethernet
■ BT = Wireless CAS – Casambi

Housing Finish (Includes kick reflector)⁶
■ W = White, 15% gloss, Tiger Drylac 49/11350
■ S = Silver, 15% gloss, Tiger Drylac 49/90500
■ F = Custom finished trim, specify RAL

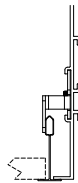
Options
■ CP = Chicago Plenum Rated
■ EM = Emergency (remote)
■ NYC = 6’ whip per run
■ TF = Top feed



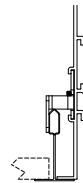
Plaster trim (RPT)



Recessed trim (RBT)



9/16” grid (RG9)



15/16” grid (RG15)



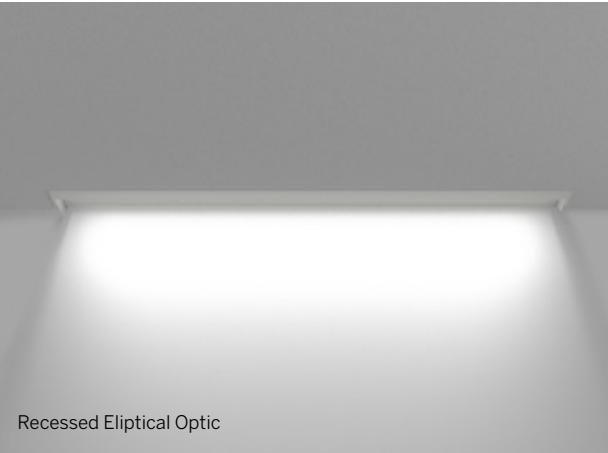
Wall mount clip

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

- Notes**
- 1 See pattern spec sheet.
 - 2 Individual fixture lengths less than 2’ may require remote driver.
 - 3 Specify Lensed products to nearest 0.25”. Specify Louvered and Tuneable White products in 12” increments for continuous light. Louver supplied in 12” increments, balance of the run will have recessed blank covers on ends.
 - 4 Values are approximate delivered lumens for 3000K LEDs with RLW-WG configuration; refer to product data sheet for additional details.
 - 5 See power supply page for details.
 - 6 See Tiger Drylac color chart: inter-lux.com/tiger

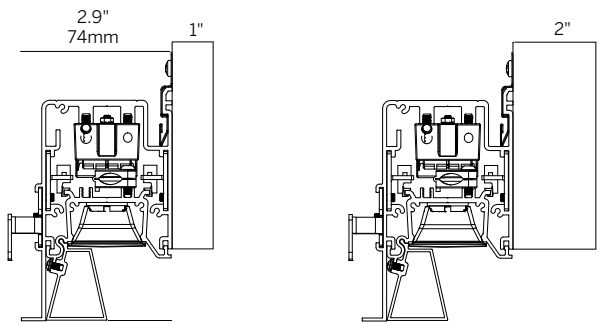
ProTools 60 Linear Soft Graze
Recessed

- 2.4” aperture, integrated solution that is compatible with all ceiling types
- Standard and tailored run lengths, including corners
- Graze to 30’ wall height
- Soft Graze to vary light center from the wall
- Extreme brightness control and the elimination of disturbing glare
- Consistent LED technology throughout the Whitegoods product range
- Easy to install housing allows the wall to continue above the finished ceiling
- Flexible design allows exact wall-to-wall dimensions
- Flicker-free full range dimming with standard driver (Eldoled)
- Manufactured in the USA



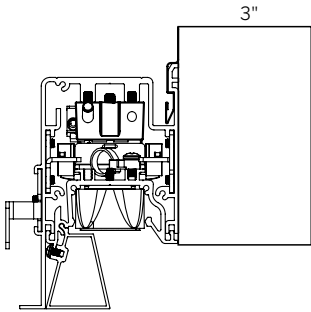
Housing	Precision extruded aluminum for true dimensions and tolerances Toolless component assembly from below Perfect fit with inserts, louvers and lenses Standard and tailored lengths including corner configurations Soft Graze adds 1” - 3” additional set-off for less dramatic graze Recessed snap-in cover for non-illuminated section Finishes: white, silver and custom
Integration	Fixation into gypsum, hard ceilings and all grid ceiling types Finished wall continues past the ceiling line
Distribution	Soft Graze
LED	>90 CRI, 3-Step MacAdam; 2700K-4000K static white, constant current 3W - 15W per foot, 180 Lumens/watt average* RA 91-94 (2700-4000K) Conformal coated for protection against humidity optional L70 (TM21 Projected 85C) 72,000 hours
Optic	Recessed louver in white or black - extreme cut-off Recessed elliptical optic - high efficiency graze UGR average rating of 19
Reflector	White: high efficiency (standard with RLW) Black: no brightness (standard with RLB) Silver: low brightness All 15% gloss Custom finish available
Driver	Compatible with quality constant current drivers
Connectivity	POE Wireless
Weight	4lbs 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
Voltages	120-277VAC, 347VAC

*nominal lumens



Recessed Louver (SG1 + RLW, RLB)

Recessed Louver (SG2 + RLW, RLB)



Recessed Elliptical Lens (SG3 + REO)

ProTools 60 Linear Soft Graze
Recessed

Model	Fixation	Pattern	Length ²	CRI/CCT	Optic	Beam	Power ⁴	Driver ⁵	Housing Finish ⁶	Options
WG-60PTLSG1 WG-60PTLSG2 WG-60PTLSG3	RPT RBT RG9 RG15	S P ¹ PZ ¹	24 48 96 XX ³	927 930 935 940	RLW ³ RLB ³ REO	WG	P2 P3 P4	E1 L1 L0 A3 POE BT	W S F	CP EM NYC TF

- Model**
- WG-60PTLSG1 = ProTools 60 Linear Soft Graze 1” extension
 - WG-60PTLSG2 = ProTools 60 Linear Soft Graze 2” extension
 - WG-60PTLSG3 = ProTools 60 Linear Soft Graze 3” extension

- Fixation**
- RPT = Recessed plaster trim
 - RBT = Recessed trim for hard ceiling
 - RG9 = Recessed trim for 9/16” grid
 - RG15 = Recessed trim for 15/16” grid

- Pattern**
- S = Straight run
 - P = Standard patterns 2, 3 or 4 sided with 90° corners on the same plane¹
 - PZ = Non-standard patterns and/or corners other than 90° on multiple planes, consult factory¹

- Length²**
- 24 = 24”
 - 48 = 48”
 - 96 = 96”
 - XX = Specify inches to the nearest 0.25”³

- CRI/CCT**
- 90+ CRI
- 927 = 2700K
 - 930 = 3000K
 - 935 = 3500K
 - 940 = 4000K

- Optic**
- RLW = Recessed louver white (supplied with white reflectors standard)³
 - RLB = Recessed louver black (supplied with black reflectors only)³
 - REO = Recessed elliptical optic

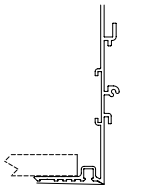
- Beam**
- WG = Wall Graze

- Power⁴**
- Static White
- P2 = 6W/ft (675 lm/ft)
 - P3 = 10W/ft (1020 lm/ft)
 - P4 = 15W/ft (1460 lm/ft)

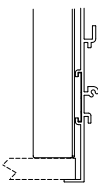
- Driver⁵**
- E1 = EldoLED 0.1% dimming, 0-10V (120-277V)
 - L1 = Lutron 1% dimming, Ecosystem (120-277V)
 - L0 = Lutron 0.1% dimming, Ecosystem (120-277V)
 - A3 = Advance 1% dimming, 0-10V (347V ONLY)
 - PoE = Power over Ethernet
 - BT = Wireless CAS – Casambi

- Housing Finish (Includes kick reflector)⁶**
- W = White, 15% gloss, Tiger Drylac 49/11350
 - S = Silver, 15% gloss, Tiger Drylac 49/90500
 - F = Custom finished trim, specify RAL

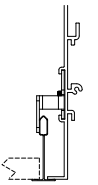
- Options**
- CP = Chicago Plenum Rated
 - EM = Emergency (remote)
 - NYC = 6’ whip per run
 - TF = Top feed



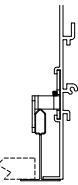
Plaster trim (RPT)



Recessed trim (RBT)



9/16” grid (RG9)



15/16” grid (RG15)



Wall mount clip

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

- Notes**
- 1 See pattern spec sheet.
 - 2 Individual fixture lengths less than 2’ may require remote driver.
 - 3 Specify Lensed products to nearest 0.25”. Specify Louvered and Tuneable White products in 12” increments for continuous light. Louver supplied in 12” increments, balance of the run will have recessed blank covers on ends.
 - 4 Values are approximate delivered lumens for 3000K LEDs with RLW-WG configuration; refer to product data sheet for additional details.
 - 5 See power supply page for details.
 - 6 See Tiger Drylac color chart: inter-lux.com/tiger

ProTools 60 Linear Perimeter
Recessed

- 2.4” aperture, integrated solution that is compatible with all ceiling types
- Standard and tailored run lengths, including corners
- Evenly illuminated perimeter lighting system
- *Soft Graze* option to vary light center from the wall
- Recessed optics minimizes brightness
- Consistent LED technology throughout the Whitegoods product range
- Easy to install housing allows the wall to continue above the finished ceiling
- Flexible design allows exact wall-to-wall dimensions
- Flicker-free full range dimming with standard driver (Eldoled)
- Manufactured in the USA

Housing Precision extruded aluminum for true dimensions and tolerances
Toolless component assembly from below
Perfect fit with inserts, louvers and lenses
Standard and tailored lengths including corner configurations
Soft Graze adds 1” - 3” additional set-off for less dramatic graze
Recessed snap-in cover for non-illuminated section
Finishes: white, silver and custom

Integration Fixation into gypsum, hard ceilings and all grid ceiling types
Finished wall continues past the ceiling line

Distribution Evenly illuminated regressed, recessed lens or *Soft Graze*

LED >90 CRI, 3-Step MacAdam, 2700-4000K static white
3W - 15W per foot, 180 Lumens/watt average*
RA 91-94 (2700-4000K)
Conformal coated for protection against humidity optional
L70 (TM21 Projected 85C) 72,000 hours
Tuneable white 2200-4000K, 180 lumens per watt average

Optic Recessed micro-prismatic lens - diffusion with maximum efficiency
Recessed louver in white or black - extreme cut-off
Recessed elliptical optic - high efficiency graze
UGR average rating of 19

Reflector White: high efficiency (standard with RLW)
Black: no brightness (standard with RLB)
Silver: low brightness
All 15% gloss
Custom finish available

Driver Compatible with quality constant current drivers

Connectivity POE
Wireless

Weight 4lbs per foot

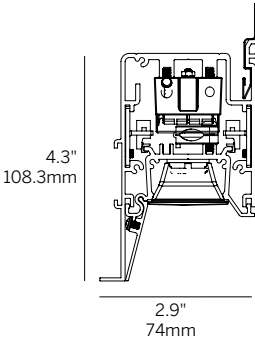
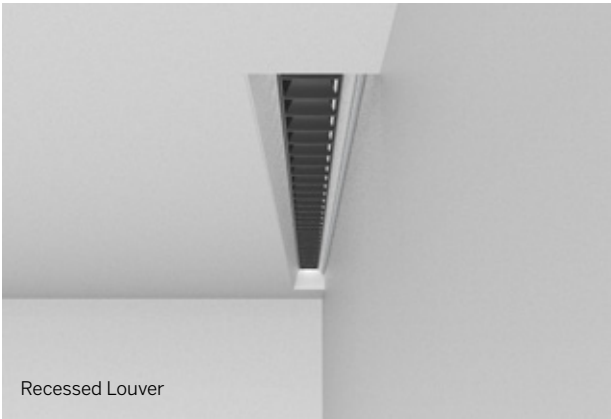
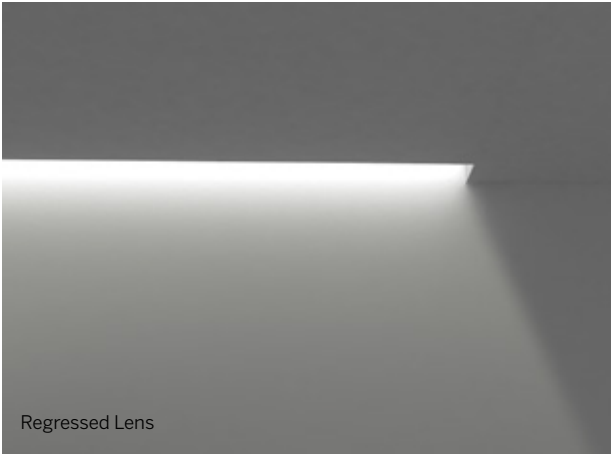
Operating Temp Suitable for operation in maximum ambient temperature of 35C (95F)

Warranty 5-year Limited (see complete company warranty information)

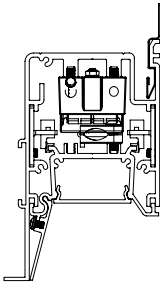
Certifications ETL and ETL-C for dry and damp location, CE, Chicago plenum

Voltagages 120-277VAC, 347VAC

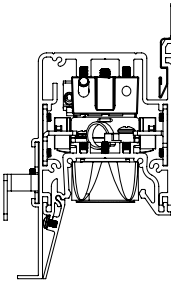
*nominal lumens



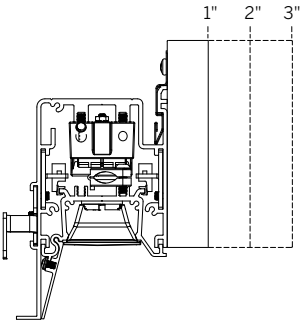
Recessed Louver (RLW, RLB)



Recessed Micro-prismatic Lens (RML)



Recessed Elliptical Optic (REO)



Soft Graze: 1” 2” 3” (SG1, SG2, SG3)

ProTools 60 Linear Perimeter
Recessed

Model	Fixation	Pattern	Length ²	CRI/CCT	Optic	Beam	Power ⁴	Driver ⁵	Housing Finish ⁶	Reflector Finish ⁶	Options
WG-60PTLP WG-60PTLPSG1 WG-60PTLPSG2 WG-60PTLPSG3	RPT RBT RG9 RG15	S P ¹ PZ ¹	24 48 96 XX ³	927 930 935 940 TW	RML RLW ³ RLB ³ REO	80 35 50 20x40	P1 P2 P3 P4	E1 L1 L0 A3 POE BT TQ DMX	W S F	W B S F	CP EM NYC TF

- Model**
- WG-60PTLP = ProTools 60 Linear Perimeter
 - WG-60PTLPSG1 = ProTools 60 Linear Perimeter *Soft Graze* 1” extension
 - WG-60PTLPSG2 = ProTools 60 Linear Perimeter *Soft Graze* 2” extension
 - WG-60PTLPSG3 = ProTools 60 Linear Perimeter *Soft Graze* 3” extension

- Fixation**
- RPT = Recessed plaster trim
 - RBT = Recessed trim for hard ceiling
 - RG9 = Recessed trim for 9/16” grid
 - RG15 = Recessed trim for 15/16” grid

- Pattern**
- S = Straight run
 - P = Standard patterns 2, 3 or 4 sided with 90° corners on the same plane¹
 - PZ = Non-standard patterns and/or corners other than 90° on multiple planes, consult factory¹

- Length²**
- 24 = 24”
 - 48 = 48”
 - 96 = 96”
 - XX = Specify inches to the nearest 0.25”³

- CRI/CCT**
90+ CRI
- 927 = 2700K
 - 930 = 3000K
 - 935 = 3500K
 - 940 = 4000K
 - TW = Tuneable white 2200-4000K

- Optic**
- RML = Recessed micro-prismatic lens
 - RLW = Recessed louver white (supplied with white reflectors standard)³
 - RLB = Recessed louver black (supplied with black reflectors only)³
 - REO = Recessed elliptical optic

- Beam**
- 80 = 80° (RML)
 - 35 = 35° (RLW, RLB)
 - 50 = 50° (RLW, RLB)
 - 20x40 = 20x40° (REO)

- Power⁴**
Lens (RML)
- P1 = 3W/ft (330 lm/ft)
 - P2 = 6W/ft (620 lm/ft)
 - P3 = 10W/ft (950 lm/ft)
 - P4 = 15W/ft (1400 lm/ft)
- Tuneable White (RML)
- P2 = 6W/ft (299-307 lm/ft)
 - P3 = 10W/ft (442-466 lm/ft)

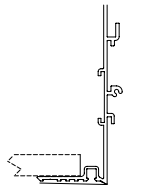
- Louver (RLW/RLB/RNO)
- P2 = 6W/ft (890/850/940 lm/ft)
 - P3 = 10W/ft (1340/1280/1400 lm/ft)
 - P4 = 15W/ft (1920/1835/2000 lm/ft)

- Driver⁵**
- E1 = EldoLED 0.1% dimming, 0-10V (120-277V)
 - L1 = Lutron 1% dimming, Ecosystem (120-277V)
 - L0 = Lutron 0.1% dimming, Ecosystem (120-277V)
 - A3 = Advance 1% dimming, 0-10V (347V ONLY)
 - PoE = Power over Ethernet
 - BT = Wireless CAS – Casambi
 - TQ = T-Series for Lutron Quantum 0.1% (120-277V) (Tunable white ONLY)
 - DMX = EldoLED 0.1% dimming DMX (120-277V)

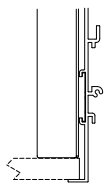
- Housing Finish⁶**
- W = White, 15% gloss, Tiger Drylac 49/11350 (standard)
 - S = Silver, 15% gloss, Tiger Drylac 49/90500
 - F = Custom finished trim, specify RAL

- Reflector Finish⁶**
- W = White, 15% gloss, Tiger Drylac 49/11350 (standard)
 - B = Black, 15% gloss, Tiger Drylac 44/90053
 - S = Silver, 15% gloss, Tiger Drylac 49/90500
 - F = Custom finished trim, specify RAL

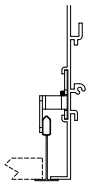
- Options**
- CP = Chicago Plenum Rated
 - EM = Emergency (remote)
 - NYC = 6’ whip per run
 - TF = Top feed



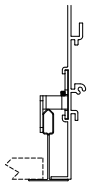
Plaster trim (RPT)



Recessed trim (RBT)



9/16” grid (RG9)



15/16” grid (RG15)



Wall mount clip

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

- Notes**
- 1 See pattern spec sheet.
 - 2 Individual fixture lengths less than 2’ may require remote driver.
 - 3 Specify Lensed products to nearest 0.25”. Specify Louvered and Tuneable White products in 12” increments for continuous light. Louver supplied in 12” increments, balance of the run will have recessed blank covers on ends.
 - 4 Values are approximate delivered lumens for 3000K LEDs; refer to product data sheet for additional details. For RLB/RLW, delivered lumens with 50 degree beam.
 - 5 See power supply page for details.
 - 6 See Tiger Drylac color chart: inter-lux.com/tiger

ProTools 60 Linear Downlight
Suspended

- 2.4” aperture, suspended direct illumination luminaire
- Standard and tailored run lengths, including corners
- Choice of beam spreads to accommodate all applications
- Extreme brightness control and the elimination of disturbing glare
- Modularity of insert modules for ultimate design flexibility
- Consistent LED technology throughout the Whitegoods product range
- Flexible design allows exact wall-to-wall dimensions
- Flicker-free full range dimming with standard driver (Eldoled)
- Manufactured in the USA

Housing Precision extruded aluminum for true dimensions and tolerances
Toolless component assembly from below
Field adjustable suspension height and position
Sure-lock mechanical connection system eliminates light leak
Standard and tailored lengths including corner configurations
Recessed snap-in cover for non-illuminated section
Finishes: white, black, silver and custom
Clear suspension cables with white ceiling escutcheons standard

Integration Ceiling canopy mounts to any ceiling surface

Distribution 30, 35, 50, 80, 105 degree symmetrical downlight
Wall Wash

LED >90 CRI, 3-Step MacAdam, 2700-4000K static white
3W - 15W per foot, 180 Lumens/watt average*
RA 91-94 (2700-4000K)
Conformal coated for protection against humidity optional
L70 (TM21 Projected 85C) 72,000 hours
Tuneable white 2200-4000K, 180 lumens per watt average

Optic Recessed micro-prismatic lens - diffusion with maximum efficiency
Regressed opal acrylic lens - evenly illuminated line of light
Recessed louver in white or black - extreme cut-off
Recessed narrow optic - narrow beam
Wall Wash optics - even vertical illumination
UGR average rating of 19

Reflector White: high efficiency (standard with RLW)
Black: no brightness (standard with RLB)
Silver: low brightness
All 15% gloss
Custom finish available

Driver Compatible with quality constant current drivers

Connectivity POE
Wireless

Weight 4lbs per foot

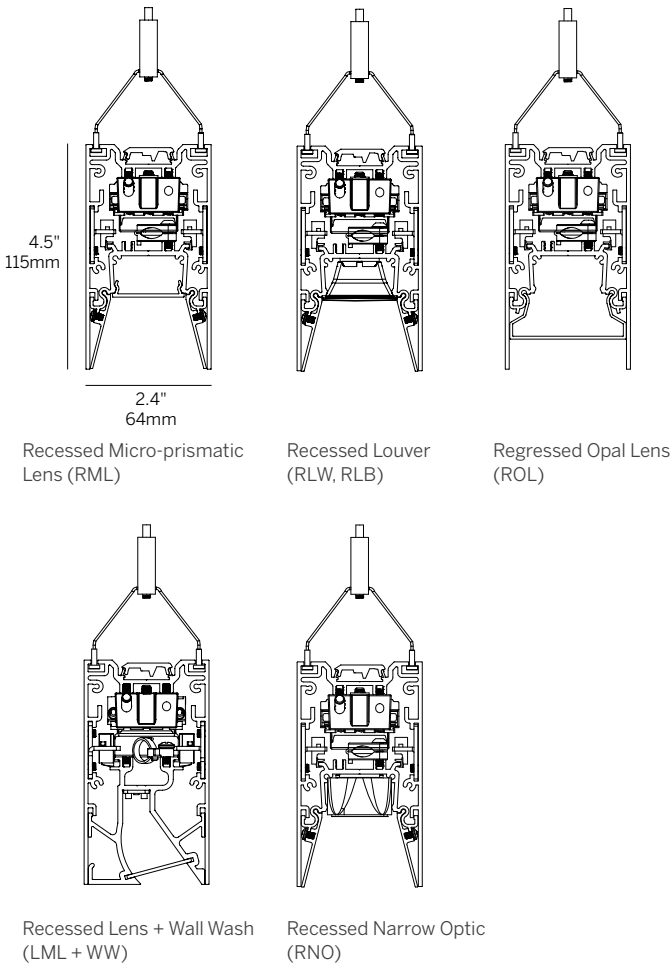
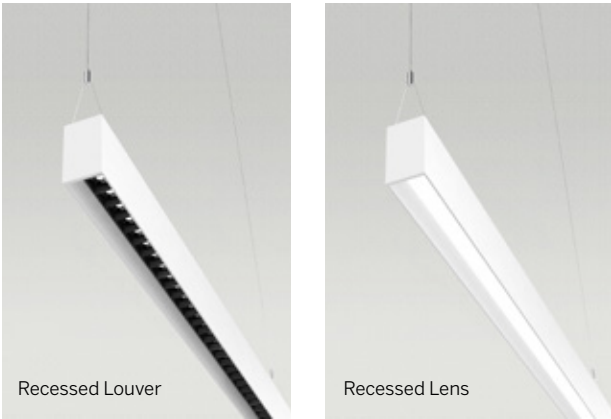
Operating Temp Suitable for operation in maximum ambient temperature of 35C (95F)

Warranty 5-year Limited (see complete company warranty information)

Certifications ETL and ETL-C for dry and damp location, CE

Voltages 120-277VAC, 347VAC

*nominal lumens



ProTools 60 Linear Downlight
Suspended

Model	Fixation	Pattern	Length ²	CRI/CCT	Optic	Beam	Power ⁴	Drive ⁵	Housing Finish ⁶	Reflector Finish ⁶	Options
WG-60PTL	S	S P ¹ PZ ¹	48 96 XX ³	927 930 935 940 TW	RML ROL RLW ³ RLB ³ RNO LML	80 105 35 50 30 WW	P1 P2 P3 P4	E1 L1 L0 A3 POE BT TQ DMX	W B S F	W B S F	EM PJG SC

Model

- WG-60PTL = ProTools 60 Linear Downlight

Fixation

- S = Suspended (Power suspension w/5” canopy standard. Non-feed suspensions provided with 2” canopy.)

Pattern

- S = Straight run
- P = Standard patterns 2, 3 or 4 sided with 90° corners on the same plane¹
- PZ = Non-standard patterns and/or corners other than 90° on multiple planes, consult factory¹

Length²

- 48 = 48”
- 96 = 96”
- XX = Specify inches to the nearest 0.25”³

CRI/CCT

- 90+ CRI
- 927 = 2700K
 - 930 = 3000K
 - 935 = 3500K
 - 940 = 4000K
 - TW = Tuneable white 2200-4000K

Optic

- RML = Recessed micro-prismatic lens
- ROL = Regressed opal lens
- RLW = Recessed louver white (supplied with white reflectors standard)³
- RLB = Recessed louver black (supplied with black reflectors only)³
- RNO = Recessed narrow optic
- LML = Linear micro-prismatic lens

Beam

- 80 = 80° (RML)
- 105 = 105° (ROL)
- 35 = 35° (RLW, RLB)
- 50 = 50° (RLW, RLB)
- 30 = 30° (RNO)
- WW = Wall Wash (LML)

Power⁴

- Lens (ROL/RML)
- P1 = 3W/ft (300/330 lm/ft)
 - P2 = 6W/ft (565/620 lm/ft)
 - P3 = 10W/ft (870/950 lm/ft)
 - P4 = 15W/ft (1280/1400 lm/ft)

Tuneable White (ROL/RML)

- P2 = 6W/ft (274-281/299-307 lm/ft)
- P3 = 10W/ft (405-426/442-466 lm/ft)

Louver (RLW/RLB/RNO)

- P2 = 6W/ft (890/850/940 lm/ft)
- P3 = 10W/ft (1340/1280/1400 lm/ft)
- P4 = 15W/ft (1920/1835/2000 lm/ft)

Wall Wash (LML)

- P1 = 3W/ft (225 lm/ft)
- P2 = 6W/ft (420 lm/ft)
- P3 = 10W/ft (640 lm/ft)
- P4 = 15W/ft (950 lm/ft)

Driver⁵

- E1 = EldoLED 0.1% dimming, 0-10V (120-277V)
- L1 = Lutron 1% dimming, Ecosystem (120-277V)
- L0 = Lutron 0.1% dimming, Ecosystem (120-277V)
- A3 = Advance 1% dimming, 0-10V (347V ONLY)
- PoE = Power over Ethernet
- BT = Wireless CAS – Casambi
- TQ = T-Series for Lutron Quantum 0.1% (120-277V) (Tunable white ONLY)
- DMX = EldoLED 0.1% dimming DMX (120-277V)

Housing Finish⁶

- W = White, 15% gloss, Tiger Drylac 49/11350 (standard)
- B = Black, 15% gloss, Tiger Drylac 44/90053
- S = Silver, 15% gloss, Tiger Drylac 49/90500
- F = Custom finished trim, specify RAL

Reflector Finish⁶

- W = White, 15% gloss, Tiger Drylac 49/11350 (standard with RLW)
- B = Black, 15% gloss, Tiger Drylac 44/90053 (standard with RLB)
- S = Silver, 15% gloss, Tiger Drylac 49/90500
- F = Custom finished trim, specify RAL

Options

- EM = Emergency (remote)
- PJG = Power suspension w/5” canopy on grid
- SC = Sloped ceiling suspension

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

Notes

- 1 See pattern spec sheet.
- 2 Individual fixture lengths less than 2’ may require remote driver.
- 3 Specify Lensed products to nearest 0.25”. Specify Louvered and Tuneable White products in 12” increments for continuous light. Louver supplied in 12” increments, balance of the run will have recessed blank covers on ends.
- 4 Values are approximate delivered lumens for 3000K LEDs; refer to product data sheet for additional details. For RLB/RLW, delivered lumens with 50 degree beam.
- 5 See power supply page for details.
- 6 See Tiger Drylac color chart: inter-lux.com/tiger

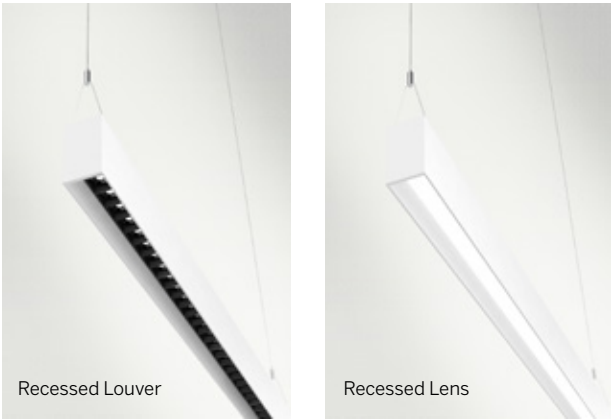
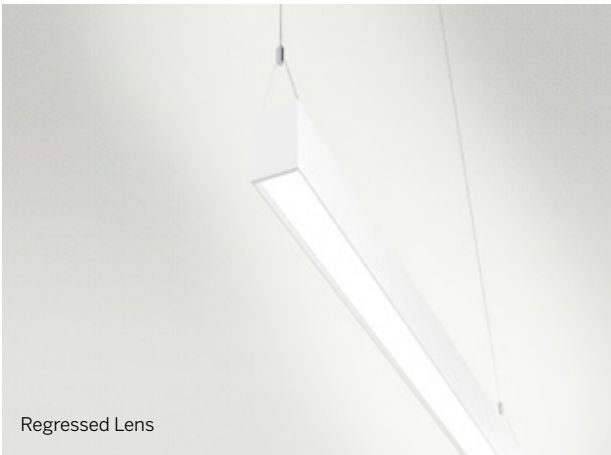
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ProTools 60 Linear Direct/Indirect
Suspended

- 2.4” aperture, suspended bi-directional luminaire
- Standard and tailored run lengths, including corner configurations
- Separately controllable up and down lighting with distribution options
- Choice of beam spreads to accommodate all applications
- Extreme brightness control and the elimination of disturbing glare
- Modularity of insert modules for ultimate design flexibility
- Consistent LED technology throughout the Whitegoods product range
- Flicker-free full range dimming with standard driver (Eldoled)
- Manufactured in the USA



Housing	Precision extruded aluminum for true dimensions and tolerances Toolless component assembly Field adjustable suspension height and position <i>Sure-lock</i> mechanical connection system eliminates light leak Standard and tailored lengths and corner configurations Recessed snap-in cover for non-illuminated section Finishes: white, black, silver and custom Clear suspension cables with white ceiling escutcheons standard
Integration	Ceiling canopy mounts to any ceiling surface
Distribution	30, 35, 50, 80, 105 degree symmetrical downlight Batwing and asymmetric uplight options Wall Wash
LED	>90 CRI, 3-Step MacAdam, 2700-4000K static white 3W - 15W per foot, 180 Lumens/watt average* RA 91-94 (2700-4000K) Conformal coated for protection against humidity optional L70 (TM21 Projected 85C) 72,000 hours Tuneable white 2200-4000K, 180 lumens per watt average
Optic	Recessed micro-prismatic lens - diffusion with maximum efficiency Regressed opal acrylic lens - evenly illuminated line of light Recessed louver in white or black - extreme cut-off Recessed narrow optic - narrow beam Wall Wash optics - even vertical illumination Snap-on acrylic uplight optic - batwing or assymetric distribution UGR average rating of 19
Reflector	White: high efficiency (standard with RLW) Black: no brightness (standard with RLB) Silver: low brightness All 15% gloss Custom finish available
Driver	Compatible with quality constant current drivers
Connectivity	POE Wireless
Weight	4lbs 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

*nominal lumens

ProTools 60 Linear Direct/Indirect
Suspended

Model	Fixation	Pattern	Length ²	CRI/ CCT	Direct			Indirect		Driver ⁵	Housing Finish ⁶	Reflector Finish ⁶	Options
					Optic	Beam	Power ⁴	Optic	Power ⁴				
WG-60PTLDI	S	S P ¹ PZ ¹	48 96 XX ³	927 930 935 940 TW	RML ROL RLW ³ RLB ³ RNO LML	80 105 35 50 30 WW	P1 P2 P3 P4	A W	P1 P2	E1 L1 L0 A3 POE BT TQ DMX	W B S F	W B S F	DC EM PJG SC X

- Model**
- WG-60PTLDI = ProTools 60 Linear Direct/Indirect
- Fixation**
- S = Suspended (Power suspension w/5" canopy standard. Non-feed suspensions provided with 2" canopy.)
- Pattern**
- S = Straight run
 - P = Standard patterns 2, 3 or 4 sided with 90° corners on the same plane¹
 - PZ = Non-standard patterns and/or corners other than 90° on multiple planes, consult factory¹
- Length²**
- 48 = 48"
 - 96 = 96"
 - XX = Specify inches to the nearest 0.25"³
- CRI/CCT**
- 90+ CRI
- 927 = 2700K
 - 930 = 3000K
 - 935 = 3500K
 - 940 = 4000K
 - TW = Tuneable white 2200-4000K
- Optic Direct**
- RML = Recessed micro-prismatic lens
 - ROL = Regressed opal lens
 - RLW = Recessed louver white (supplied with white reflectors standard)³
 - RLB = Recessed louver black (supplied with black reflectors only)³
 - RNO = Recessed narrow optic
 - LML = Linear micro-prismatic lens
- Optic Indirect**
- A = Asymmetric (standard)
 - W = Wide
- Beam**
- 80 = 80° (RML)
 - 105 = 105° (ROL)
 - 35 = 35° (RLW, RLB)
 - 50 = 50° (RLW, RLB)
 - 30 = 30° (RNO)
 - WW = Wall Wash (LML)
- Power Direct⁴**
- Lens (ROL/RML)
- P1 = 3W/ft (300/330 lm/ft)
 - P2 = 6W/ft (565/620 lm/ft)
 - P3 = 10W/ft (870/950 lm/ft)
 - P4 = 15W/ft (1280/1400 lm/ft)
- Tuneable White (ROL/RML)
- P2 = 6W/ft (630/690 lm/ft)
 - P3 = 10W/ft (935/1020 lm/ft)
- Louver (RLW/RLB/RNO)
- P2 = 6W/ft (890/850/940 lm/ft)
 - P3 = 10W/ft (1340/1280/1400 lm/ft)
 - P4 = 15W/ft (1920/1835/2000 lm/ft)
- Wall Wash (LML)
- P1 = 3W/ft (225 lm/ft)
 - P2 = 6W/ft (420 lm/ft)
 - P3 = 10W/ft (640 lm/ft)
 - P4 = 15W/ft (950 lm/ft)
- Power Indirect**
- Lens (W/A)⁴
- P1 = 3W/ft (490/500 lm/ft)
 - P2 = 6W/ft (920/935 lm/ft)
- Driver⁵**
- E1 = EldoLED 0.1% dimming, 0-10V (120-277V)
 - L1 = Lutron 1% dimming, Ecosystem (120-277V)
 - L0 = Lutron 0.1% dimming, Ecosystem (120-277V)
 - A3 = Advance 1% dimming, 0-10V (347V ONLY)
 - PoE = Power over Ethernet.
 - BT = Wireless CAS – Casambi
 - TQ = T-Series for Lutron Quantum 0.1% (120-277V) (Tunable white ONLY)
 - DMX = EldoLED 0.1% dimming DMX (120-277V)
- Housing Finish⁶**
- W = White, 15% gloss, Tiger Drylac 49/11350 (standard)
 - B = Black, 15% gloss, Tiger Drylac 44/90053
 - S = Silver, 15% gloss, Tiger Drylac 49/90500
 - F = Custom finished trim, specify RAL
- Reflector Finish⁶**
- W = White, 15% gloss, Tiger Drylac 49/11350 (standard with RLW)
 - B = Black, 15% gloss, Tiger Drylac 44/90053 (standard with RLB)
 - S = Silver, 15% gloss, Tiger Drylac 49/90500
 - F = Custom finished trim, specify RAL
- Options**
- DC = Dual circuit
 - EM = Emergency (remote)
 - PJG = Power suspension w/5" canopy on grid
 - SC = Sloped ceiling suspension
 - X = No direct light

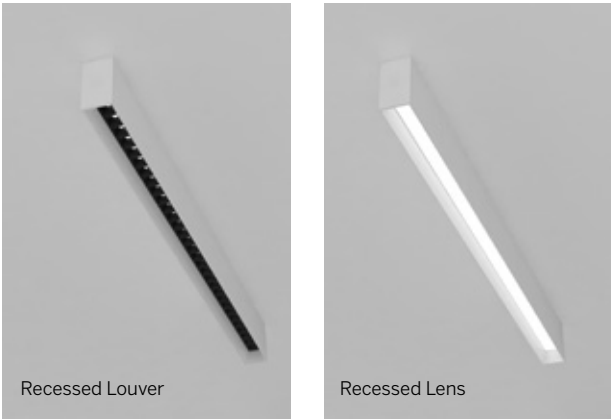
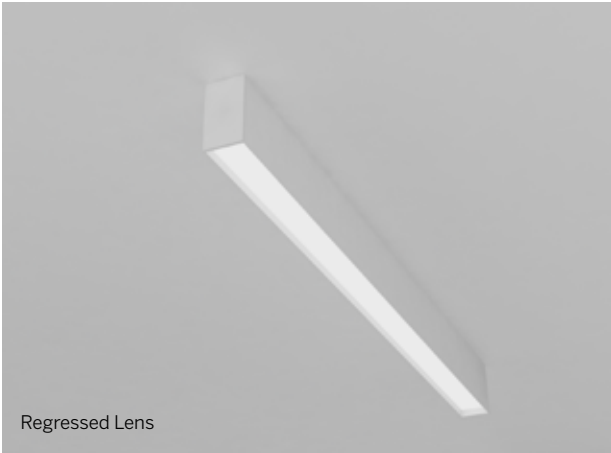
Whitegoods reserves the right to change any information without prior notice.

- Notes**
- ¹ See pattern spec sheet.
 - ² Individual fixture lengths less than 2' may require remote driver.
 - ³ Specify Lensed products to nearest 0.25". Specify Louvered and Tuneable White products in 12" increments for continuous light. Louver supplied in 12" increments, balance of the run will have recessed blank covers on ends.
 - ⁴ Values are approximate delivered lumens for 3000K LEDs; refer to product data sheet for additional details. For RLB/RLW, delivered lumens with 50 degree beam.
 - ⁵ See power supply page for details.
 - ⁶ See Tiger Drylac color chart: inter-lux.com/tiger



ProTools 60 Linear Downlight
Surface Mount

- 2.4” aperture, integrated solution that is compatible with all ceiling types
- Standard and tailored run lengths, including corners
- Downlight, Wall Wash and wall graze distribution for ceiling heights to 30’
- Modularity of insert modules for ultimate design flexibility
- Extreme brightness control eliminates disturbing glare
- Consistent LED technology throughout the Whitegoods product range
- Flexible design allows exact wall-to-wall dimensions
- Flicker-free full range dimming with standard driver (Eldoled)
- Manufactured in the USA



Housing	Precision extruded aluminum for true dimensions and tolerances Toolless component assembly from below Perfect fit with inserts, louvers and lenses <i>Sure-lock</i> mechanical connection system eliminates light leak Standard and tailored lengths including corner configurations Recessed snap-in cover for non-illuminated section Finishes: white, black, silver and custom
Integration	Fixation onto any surface type End wall mechanical and power connection option
Distribution	30, 35, 50, 80, 105 degree symmetrical downlight Wall Wash
LED	>90 CRI, 3-Step MacAdam, 2700-4000K static white 3W - 13W per foot, 180 Lumens/watt average* RA 91-94 (2700-4000K) Conformal coated for protection against humidity optional L70 (TM21 Projected 85C) 72,000 hours Tuneable white 2200-4000K, 180 lumens per watt average
Optic	Recessed micro-prismatic lens - diffusion with maximum efficiency Regressed opal acrylic lens - evenly illuminated line of light Recessed louver in white or black - extreme cut-off Recessed elliptical optic - high efficiency graze Wall Wash optics - even vertical illumination UGR average rating of 19
Reflector	White: high efficiency (standard with RLW) Black: no brightness (standard with RLB) Silver: low brightness All 15% gloss Custom finish available
Driver	Compatible with quality constant current drivers
Connectivity	POE Wireless
Weight	4lbs 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, Chicago plenum
Voltages	120-277VAC, 347VAC

*nominal lumens

ProTools 60 Linear Downlight
Surface Mount

Model	Fixation	Pattern	Length ²	CRI/CCT	Optic	Beam	Power ⁴	Driver ⁵	Housing Finish ⁶	Reflector Finish ⁶	Options
WG-60PTL	SM	S P ¹ PZ ¹	24 48 96 XX ³	927 930 935 940 TW	RML ROL RLW ³ RLB ³ RNO LML	80 105 35 50 30 WW	P1 P2 P3 P4	E1 L1 L0 A3 POE BT TQ DMX	W B S F	W B S F	EM EW EWP

Model

- WG-60PTL = ProTools 60 Linear Downlight

Fixation

- SM = Surface Mount

Pattern

- S = Straight run
- P = Standard patterns 2, 3 or 4 sided with 90° corners on the same plane¹
- PZ = Non-standard patterns and/or corners other than 90° on multiple planes, consult factory¹

Length²

- 24 = 24"
- 48 = 48"
- 96 = 96"
- XX = Specify inches to the nearest 0.25"³

CRI/CCT

- 90+ CRI
- 927 = 2700K
- 930 = 3000K
- 935 = 3500K
- 940 = 4000K
- TW = Tuneable white 2200-4000K

Optic

- RML = Recessed micro-prismatic lens
- ROL = Regressed opal lens
- RLW = Recessed louver white (supplied with white reflectors standard)³
- RLB = Recessed louver black (supplied with black reflectors only)³
- RNO = Recessed narrow optic
- LML = Linear micro-prismatic lens

Beam

- 80 = 80° (RML)
- 105 = 105° (ROL)
- 35 = 35° (RLW, RLB)
- 50 = 50° (RLW, RLB)
- 30 = 30° (RNO)
- WW = Wall Wash (LML)

Power⁵

- Lens (ROL/RML)
- P1 = 3W/ft (300/330 lm/ft)
- P2 = 6W/ft (565/620 lm/ft)
- P3 = 10W/ft (870/950 lm/ft)
- P4 = 15W/ft (1280/1400 lm/ft)

Tuneable White (ROL/RML)

- P2 = 6W/ft (274-281/299-307 lm/ft)
- P3 = 10W/ft (935/1020 lm/ft)

Louver (RLW/RLB/RNO)

- P2 = 6W/ft (890/850/940 lm/ft)
- P3 = 10W/ft (1340/1280/1400 lm/ft)
- P4 = 15W/ft (1920/1835/2000 lm/ft)

Wall Wash (LML)

- P1 = 3W/ft (225 lm/ft)
- P2 = 6W/ft (420 lm/ft)
- P3 = 10W/ft (640 lm/ft)
- P4 = 15W/ft (950 lm/ft)

Driver²

- E1 = EldoLED 0.1% dimming, 0-10V (120-277V)
- L1 = Lutron 1% dimming, Ecosystem (120-277V)
- L0 = Lutron 0.1% dimming, Ecosystem (120-277V)
- A3 = Advance 1% dimming, 0-10V (347V ONLY)
- PoE = Power over Ethernet
- BT = Wireless CAS – Casambi
- TQ = T-Series for Lutron Quantum 0.1% (120-277V) (Tunable white ONLY)
- DMX = EldoLED 0.1% dimming DMX (120-277V)

Housing Finish⁶

- W = White, 15% gloss, Tiger Drylac 49/11350 (standard)
- B = Black, 15% gloss, Tiger Drylac 44/90053
- S = Silver, 15% gloss, Tiger Drylac 49/90500
- F = Custom finished trim, specify RAL

Reflector Finish⁶

- W = White, 15% gloss, Tiger Drylac 49/11350 (standard with RLW)
- B = Black, 15% gloss, Tiger Drylac 44/90053 (standard with RLB)
- S = Silver, 15% gloss, Tiger Drylac 49/90500
- F = Custom finished trim, specify RAL

Options

- EM = Emergency (remote)
- EW = End wall bracket
- EWP = End wall power bracket

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

Notes

- 1 See pattern spec sheet.
- 2 Individual fixture lengths less than 2’ may require remote driver.
- 3 Specify Lensed products to nearest 0.25”. Specify Louvered and Tuneable White products in 12” increments for continuous light. Louver supplied in 12” increments, balance of the run will have recessed blank covers on ends.
- 4 Values are approximate delivered lumens for 3000K LEDs; refer to product data sheet for additional details. For RLB/RLW, delivered lumens with 50 degree beam.
- 5 See power supply page for details.
- 6 See Tiger Drylac color chart: inter-lux.com/tiger

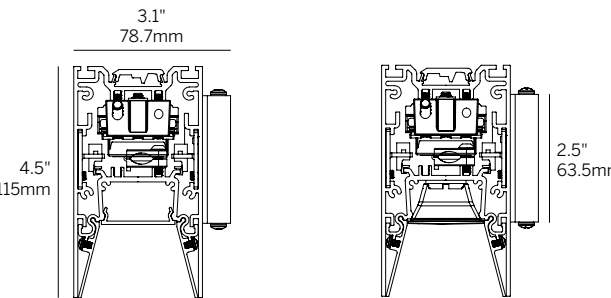
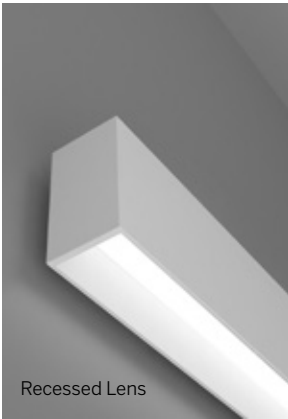
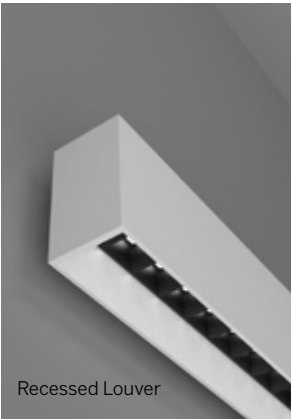
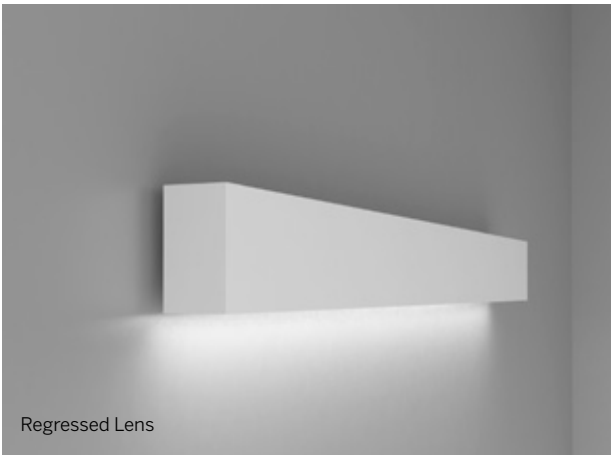
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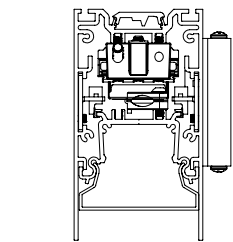
ProTools 60 Linear Downlight
Wall / Mullion Mount

- 2.4" aperture, wall mount downlight with multiple distributions
- Specialized mounting bracket to mount directly to 2.5" window mullion
- Standard and tailored run lengths, including corners
- Modularity of insert modules for ultimate design flexibility
- Extreme brightness control eliminates disturbing glare
- Consistent LED technology throughout the Whitegoods product range
- Flexible design allows exact wall-to-wall dimensions
- Flicker-free full range dimming with standard driver (Eldoled)
- Manufactured in the USA

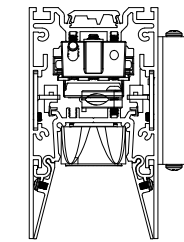


Recessed Micro-prismatic Lens (RML)

Recessed Louver (RLW, RLB)



Regressed Opal Lens (ROL)



Recessed Elliptical Optic (REO)

ProTools 60 Linear Downlight
Wall / Mullion Mount

Model	Fixation	Pattern	Length ²	CRI/CCT	Optic	Beam	Power ⁴	Driver ⁵	Housing Finish ⁶	Reflector Finish ⁶	Options
WG-60PTL	WM MM	S P ¹ PZ ¹	24 48 96 XX ³	927 930 935 940 TW	RML ROL RLW ³ RLB ³ REO	80 105 35 50 20x40	P1 P2 P3 P4	E1 L1 L0 A3 POE BT TQ DMX	W B S F	W B S F	EM EW

Model

- WG-60PTL = ProTools 60 Linear Downlight

Fixation

- WM = Wall Mount
- MM = Mullion Mount

Pattern

- S = Straight run
- P = Standard patterns 2, 3 or 4 sided with 90° corners on the same plane¹
- PZ = Non-standard patterns and/or corners other than 90° on multiple planes, consult factory¹

Length²

- 24 = 24"
- 48 = 48"
- 96 = 96"
- XX = Specify inches to the nearest 0.25"³

CRI/CCT

90+ CRI

- 927 = 2700K
- 930 = 3000K
- 935 = 3500K
- 940 = 4000K
- TW = Tuneable white 2200-4000K

Optic

- RML = Recessed micro-prismatic lens
- ROL = Regressed opal lens
- RLW = Recessed louver white (supplied with white reflectors standard)³
- RLB = Recessed louver black (supplied with black reflectors only)³
- REO = Recessed elliptical optic

Beam

- 80 = 80° (RML)
- 105 = 105° (ROL)
- 35 = 35° (RLW, RLB)
- 50 = 50° (RLW, RLB)
- 20x40 = 20x40° (REO)

Power⁴

Lens (ROL/RML)

- P1 = 3W/ft (300/330 lm/ft)
- P2 = 6W/ft (565/620 lm/ft)
- P3 = 10W/ft (870/950 lm/ft)
- P4 = 15W/ft (1280/1400 lm/ft)

Tuneable White (ROL/RML)

- P2 = 6W/ft (630/690 lm/ft)
- P3 = 10W/ft (935/1020 lm/ft)

Louver (RLW/RLB/RNO)

- P2 = 6W/ft (890/850/940 lm/ft)
- P3 = 10W/ft (1340/1280/1400 lm/ft)
- P4 = 15W/ft (1920/1835/2000 lm/ft)

Driver⁵

- E1 = EldoLED 0.1% dimming, 0-10V (120-277V)
- L1 = Lutron 1% dimming, Ecosystem (120-277V)
- L0 = Lutron 0.1% dimming, Ecosystem (120-277V)
- A3 = Advance 1% dimming, 0-10V (347V ONLY)
- PoE = Power over Ethernet
- BT = Wireless CAS – Casambi
- TQ = T-Series for Lutron Quantum 0.1% (120-277V) (Tunable white ONLY)
- DMX = EldoLED 0.1% dimming DMX (120-277V)

Housing Finish⁶

- W = White, 15% gloss, Tiger Drylac 49/11350 (standard)
- B = Black, 15% gloss, Tiger Drylac 44/90053
- S = Silver, 15% gloss, Tiger Drylac 49/90500
- F = Custom finished trim, specify RAL

Reflector Finish⁶

- W = White, 15% gloss, Tiger Drylac 49/11350 (standard with RLW)
- B = Black, 15% gloss, Tiger Drylac 44/90053 (standard with RLB)
- S = Silver, 15% gloss, Tiger Drylac 49/90500
- F = Custom finished trim, specify RAL

Options

- EM = Emergency (remote)
- EW = End wall bracket

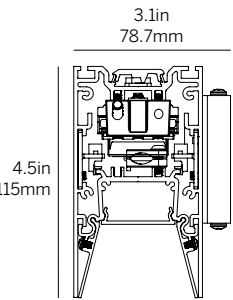
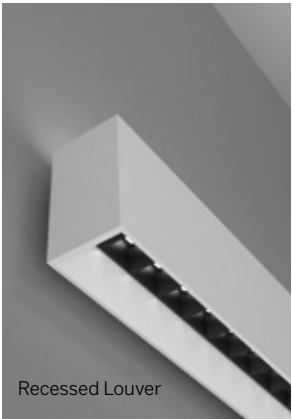
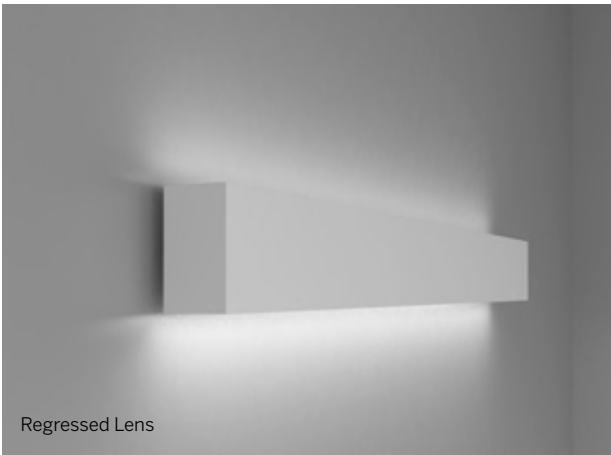
Whitegoods reserves the right to change any information without prior notice.

- Notes**
- See pattern spec sheet.
 - Individual fixture lengths less than 2' may require remote driver.
 - Specify Lensed products to nearest 0.25". Specify Louvered and Tuneable White products in 12" increments for continuous light. Louver supplied in 12" increments, balance of the run will have recessed blank covers on ends.
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 - See power supply page for details.
 - See Tiger Drylac color chart: inter-lux.com/tiger

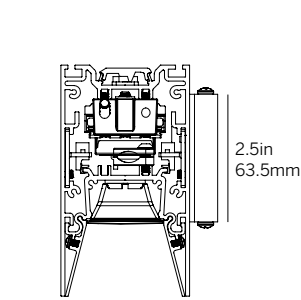


ProTools 60 Linear Direct/Indirect
Wall / Mullion Mount

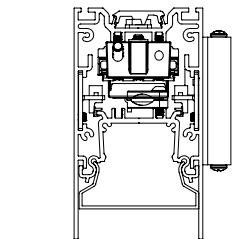
- 2.4” aperture, wall mount bi-directional luminaire
- Specialized mounting bracket to mount directly to 2.5” window mullion
- Standard and tailored run lengths, including corners
- Separately controllable up and down lighting with distribution options
- Choice of beam spreads to accommodate all applications
- Extreme brightness control and the elimination of disturbing glare
- Modularity of insert modules for ultimate design flexibility
- Consistent LED technology throughout the Whitegoods product range
- Flicker-free full range dimming with standard driver (Eldoled)
- Manufactured in the USA



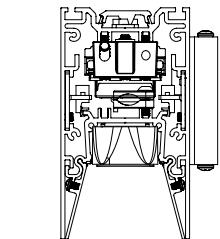
Recessed Micro-prismatic Lens (RML)



Recessed Louver (RLW, RLB)



Regressed Opal Lens (ROL)



Recessed Elliptical Optic (REO)

Housing	Precision extruded aluminum for true dimensions and tolerances Toolless component assembly from below Mounts to horizontal 2” x 4” box or direct to the mounting surface <i>Sure-lock</i> mechanical connection system eliminates light leak Standard and tailored lengths including corner configurations Recessed snap-in cover for non-illuminated section Finishes: white, silver and custom
Integration	Ceiling canopy mounts to any wall or mullion.
Distribution	35, 50, 80, 105, 20x40 degree symmetrical downlight Asymmetric uplight standard
LED	>90 CRI, 3-Step MacAdam, 2700-4000K static white 3W - 15W per foot, 180 Lumens/watt average* RA 91-94 (2700-4000K) Conformal coated for protection against humidity optional L70 (TM21 Projected 85C) 72,000 hours Tuneable white 2200-4000K, 180 lumens per watt average
Optic	Recessed micro-prismatic lens - diffusion with maximum efficiency Regressed opal acrylic lens - evenly illuminated line of light Recessed louver in white or black - extreme cut-off Recessed elliptical optic - high efficiency graze Snap-on acrylic uplight optic - assymetric distribution UGR average rating of 19
Reflector	White: high efficiency (standard with RLW) Black: no brightness (standard with RLB) Silver: low brightness All 15% gloss Custom finish available
Driver	Compatible with quality constant current drivers
Connectivity	POE Wireless
Weight	4lbs 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

*nominal lumens

ProTools 60 Linear Direct/Indirect
Wall / Mullion Mount

Model	Fixation	Pattern	Length ²	CRI/ CCT	Direct			Indirect		Driver ⁵	Housing Finish ⁶	Reflector Finish ⁶	Options
					Optic	Beam	Power ⁴	Optic	Power ⁴				
WG-60PTLDI	WM MM	S P ¹ PZ ¹	24 48 96 XX ³	927 930 935 940 TW	RML ROL RLW ³ RLB ³ REO	80 105 35 50 20x40	P1 P2 P3 P4	W A	P1 P2	E1 L1 L0 A3 POE BT TQ DMX	W B S F	W B S F	DC EM EW X

Model
■ WG-60PTLDI = ProTools 60 Linear Direct/Indirect

Fixation
■ WM = Wall Mount
■ MM = Mullion Mount

Pattern
■ S = Straight run
■ P = Standard patterns 2, 3 or 4 sided with 90° corners on the same plane¹
■ PZ = Non-standard patterns and/or corners other than 90° on multiple planes, consult factory¹

Length²
■ 24 = 24”
■ 48 = 48”
■ 96 = 96”
■ XX = Specify inches to the nearest 0.25”³

CRI/CCT
90+ CRI
■ 927 = 2700K
■ 930 = 3000K
■ 935 = 3500K
■ 940 = 4000K
■ TW = Tuneable white 2200-4000K

Optic Direct
■ RML = Recessed micro-prismatic lens
■ ROL = Regressed opal lens
■ RLW = Recessed louver white (supplied with white reflectors standard)³
■ RLB = Recessed louver black (supplied with black reflectors only)³
■ REO = Recessed elliptical optic

Optic Indirect
■ W = Wide (standard)
■ A = Asymmetric

Beam
■ 80 = 80° (RML)
■ 105 =105° (ROL)
■ 35 = 35° (RLW, RLB)
■ 50 = 50° (RLW, RLB)
■ 20x40 = 20x40° (REO)

Power Direct⁴
Lens (ROL/RML)
■ P1 = 3W/ft (300/330 lm/ft)
■ P2 = 6W/ft (565/620 lm/ft)
■ P3 = 10W/ft (870/950 lm/ft)
■ P4 = 15W/ft (1280/1400 lm/ft)

Tuneable White (ROL/RML)
■ P2 = 6W/ft (630/690 lm/ft)
■ P3 = 10W/ft (935/1020 lm/ft)

Louver (RLW/RLB/RNO)
■ P2 = 6W/ft (890/850/940 lm/ft)
■ P3 = 10W/ft (1340/1280/1400 lm/ft)
■ P4 = 15W/ft (1920/1835/2000 lm/ft)

Power Indirect⁴
Lens (W/A)
■ P1 = 3W/ft (490/500 lm/ft)
■ P2 = 6W/ft (920/935 lm/ft)

Driver⁵
■ E1 = EldoLED 0.1% dimming, 0-10V (120-277V)
■ L1 = Lutron 1% dimming, Ecosystem (120-277V)
■ L0 = Lutron 0.1% dimming, Ecosystem (120-277V)
■ A3 = Advance 1% dimming, 0-10V (347V ONLY)
■ PoE = Power over Ethernet
■ BT = Wireless CAS – Casambi
■ TQ = T-Series for Lutron Quantum 0.1% (120-277V) (Tunable white ONLY)
■ DMX = EldoLED 0.1% dimming DMX (120-277V)

Housing Finish⁶
■ W = White, 15% gloss, Tiger Drylac 49/11350 (standard)
■ B = Black, 15% gloss, Tiger Drylac 44/90053
■ S = Silver, 15% gloss, Tiger Drylac 49/90500
■ F = Custom finished trim, specify RAL

Reflector Finish⁶
■ W = White, 15% gloss, Tiger Drylac 49/11350 (standard with RLW)
■ B = Black, 15% gloss, Tiger Drylac 44/90053 (standard with RLB)
■ S = Silver, 15% gloss, Tiger Drylac 49/90500
■ F = Custom finished trim, specify RAL

Options
■ DC = Dual circuit
■ EM = Emergency (remote)
■ EW = End wall bracket
■ X = No direct light

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

- Notes**
- 1 See pattern spec sheet.
 - 2 Individual fixture lengths less than 2’ may require remote driver.
 - 3 Specify Lensed products to nearest 0.25”. Specify Louvered and Tuneable White products in 12” increments for continuous light. Louver supplied in 12” increments, balance of the run will have recessed blank covers on ends.
 - 4 Values are approximate delivered lumens for 3000K LEDs; refer to product data sheet for additional details. For RLB/RLW, delivered lumens with 50 degree beam.
 - 5 See power supply page for details.
 - 6 See Tiger Drylac color chart: inter-lux.com/tiger



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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.