Carving out shapes and forms with slender lines of light.
PLACING LIGHT WITH PRECISION (AND FLAIR).

Our Bionic and P-Series linear luminaires are engineered to enhance and amplify the beauty and character of architectural interiors with meticulously designed and wonderfully precise optical distributions — in patterns and bright finishes to add drama to any space.

1) **Slot sizes:** 2” - 3” - 4” - 5”
2) **Complex patterns:** Recessed, perimeter and suspended linear, 90’s, T’s, crosses and more.
3) **Optics:**
   - Satin Glow
   - Batwing

   - Asymmetric Ceiling Wash
   - Wall Wash
   - Wall Graze
   - Perimeter Fill

4) **Integrated control sensors:** Multiple sensors options, more on the way.
5) **Bold colors:** Twenty-one premium colors on hand. No set-up fees. Fast lead times.
### Extruded aluminum housings
- Accommodates up to 2" thick ceilings (recessed versions)
- Custom corners
- Seamless ceiling integration

### P23-33-43-53
- Hybrid steel/ aluminum
- Fast lead times
- Field trimmable wall-to-wall illumination. Custom lengths from standard components

### OPTICS KEY
- **Satin Glow**
- **Batwing**
- **Ceiling Wash**
- **Asymmetric Ceiling Wash**
- **Wall Wash**
- **Wall Graze**
- **Perimeter Fill**
- **Satin Glow**
Patterns

- C2: RECESSED 90°
- C3: T-SHAPE
- C4: CROSS
- C8: CEILING TO WALL

Patterns not available on all fixtures, consult spec sheets.
Prudential Ltg. has won nine IES Progress Report awards over the past couple of years for our Bionic & P40 Series Ceiling Wash, Batwing, Wall Wash, Wall Grazer and Perimeter Fill optics. Our new BIO2-LIN and P23 utilize the same optical design principles and microprism technology in our lenses and reflectors to create astounding optical control, shaping light in new and powerful ways—while maintaining high levels of efficacy. No need for old-school mechanical kickers or makeshift solves to achieve the desired effect. Now designers can graze, wash and fill with clean lines of light.
BIONIC & P-SERIES

Ceiling Wash

Distributes indirect light in a broad, low angle beam maximizing ceiling uniformity and minimizing glare. The extreme low angle batwing creates beautifully uniform ceilings (compare at right vs. a typical symmetric glow) and is exceedingly efficient at up to 113 lm/w. The Ceiling Wash is ideal for beautifully even classroom and open office lighting.

Ceiling Wash vs. Symmetric Glow

**Comparing Ceiling Wash vs. Symmetric Glow**

**Ceiling Wash**
- Distributes indirect light in a broad, low angle beam.
- Maximizes ceiling uniformity and minimizes glare.
- Ideal for beautifully even classroom and open office lighting.

**Symmetric Glow**
- Distributes indirect light in a broad, low angle beam.
- Maximizes ceiling uniformity and minimizes glare.
- Ideal for beautifully even classroom and open office lighting.

**Specifications**
- **4.5 Max/Min:** 29 Watts/ft.
- **47 FC Avg.**

**Available With:**
- BIONIC Lin
- BIO2-LIN
- P46
COMPARISON

Batwing vs. Satin Lens Glow

Batwing — 1.65 Spacing Criteria

17 17 18 17 15 17 18 17 17 17 17 17
19 20 20 19 20 19 20 20 20 20 20 20
24 26 25 26 24 21 24 26 25 26 25 26
29 31 32 31 29 29 31 32 31 32 31 32
31 32 33 31 31 31 33 31 31 31 31 31
31 32 33 31 31 31 33 31 31 31 31 31
29 31 32 31 29 29 31 32 31 32 31 32
17 18 20 19 17 17 18 17 17 18 17 17
19 20 20 19 20 19 20 20 20 20 20 20
17 18 17 17 17 17 18 17 17 17 17 17

Satin Lens Glow — 1.1 Spacing Criteria

13 17 19 17 15 13 15 17 17 17 13
16 19 24 19 17 15 19 24 19 16 16
18 22 32 22 18 17 22 32 22 18 18
22 33 40 33 22 21 22 33 40 33 22
26 35 42 35 26 24 26 35 42 35 26
26 35 42 35 26 24 26 35 42 35 26
22 33 40 33 22 21 22 33 40 33 22
16 19 24 19 17 15 19 24 19 16 16
13 17 19 17 15 13 15 17 17 17 13

3.3 Max/Min .36 Watts/Ft.  24 FC Avg.  Work Plane

BIONIC & P-SERIES

Batwing

Batwing’s wider distribution of light results in more even illumination over satin lensed symmetric glow. Spacing fixtures out at 12” or even 14” significantly reduces both installation costs and long-term energy usage vs. 10” spacing. It’s all about lowering watts per sq. ft and the Batwing is an excellent means of achieving that goal.

- New BIO2-LIN Batwing film has a soft, even aesthetic, much like a Satin Lens (SAL)
- Suspended, surface mounted or recessed

AVAILABLE WITH:

BIO2-LIN  P23  BIO-LIN  BIO-REC

NO SET-UP FEES — QUICK LEAD TIMES

PRUDENTIAL LIGHTING

Premium Colors

For paint chip samples, please email: info@prulite.com

Please note that as of May 1st, 2017 the following colors have been changed to matte finishes: YSTM, YSKM, YFGM, YSRM, YDAM. To match a previous order with a glossy finish please remove the ‘M’, e.g. ‘YST’ instead of ‘YSTM’.

For paint chip samples, please email: info@prulite.com
BIONIC & P-SERIES

Wall Wash

Superior optical performance translates to a smooth, clean gradient of light to wash walls evenly, creating just the right amount of highlight at eye level to subtly pique visual interest.

- Phenomenal wall wash efficacy (up to 100 lm/w)
- Sleek, minimal lensed wall wash with no open cavity or unsightly mechanical kicker
- Suspended, surface mounted or recessed
- Optional indirect illumination for suspended or wall mount
Photo rendering modification of existing Prudential Ltg. project

AVAILABLE WITH:
P23-PER
P43-PER
BIO-LIN
BIO-PER
P43
BIO-REC
BIO2-LIN
P23
P40 / P46
P43
BIO-LIN
BIO-REC
BIO-PER

BIONIC & P-SERIES

Wall Graze

A tight, focused beam grazes wall textures evenly, accenting and highlighting details to elevate the visual drama. Optional wall tilt bracket has 15° of tilt for precise aiming and exceptional detailing of wall textures.

- Excellent grazing efficacy (up to 88 lm/w)
- Sleek, minimal lensed wall grazer with no open cavity
- Suspended, surface mounted, recessed or regressed
- Optional indirect illumination for suspended or wall mount

Optional wall-mount bracket has 15° of tilt for precise aiming and exceptional detailing of wall textures.
BIONIC & P-SERIES

Perimeter Fill

We don’t just fabricate this lighting concept. We own it. It’s a perimeter optic that washes corridors in light, offering outstanding light distribution, far more energy efficient than typical soft glow solutions. Ideal for corridors or where budget and efficiency are important and the fixtures need to be tucked out of the way.

- Phenomenal efficacy (up to 100 lm/w)
- Suspended, surface mounted or recessed, perimeter lighting system
- Optional indirect illumination for suspended or wall mount versions

Perimeter Fill

Froedtert hospital installed our Perimeter Fill optic throughout their corridors, drastically reducing installation costs and energy usage compared with typical cove lighting used in hospitals.

Fill a Corridor with Light — from the Perimeter alone

Footcandles along the floor
Reflectances 80: 50: 20

P43-PSTD-FLSH/LED4-50-AWL-D1R

- 4000K at 10 Watts/Ft.
- 90 lm/w
- .9 LLF (Light Loss Factor)

Ceiling Height Watts/Sq. Ft. Average Illuminance Max/Min Max/Min Ratio

Standard Output - 675 lm/ft

<table>
<thead>
<tr>
<th>Ceiling Height</th>
<th>Watts/Sq. Ft.</th>
<th>Average Illuminance</th>
<th>Max/Min</th>
<th>Max/Min Ratio</th>
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<td>8 ft</td>
<td>675</td>
<td>57 fc</td>
<td>79/32</td>
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Reflectances:
- 80: 50: 20

Available with:
- BIO2-LIN
- P23-PER
- P40 / P46
- P43-PER
- BIO-LIN
- BIO-PER
P43: RECESSED LINEAR

**Series**
- LED Color
- Output
- Nominal Length
- Trim Color
- Shielding
- Distribution
- Circuitting
- Voltage
- Ceiling Systems
- Drivers
- Options & Controls

**P43-PER**

**Perimeter**

**P43-PSTD**

**P43-43 PERIMETER TILE FLANGE**

NOTE: Replace 8 in. per T parameter installations. Core Tx must be supported.

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**P44 & P46**

**Linear**

**Series**
- LED Color
- Output
- Nominal Length
- Trim Color
- Shielding
- Distribution
- Circuitting
- Voltage
- Ceiling Systems
- Drivers
- Options & Controls

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**INTEGRATED SENSORS**

- 205 WattStopper PR Occupancy
- LUX Philips LuxSensor Daylight Harvesting, used with Philips WFE Driver
- 3E Enlightened 2-Wire PR Daylight, Motion & Environmental Sensor

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**P44: LINEAR**

**P46: LINEAR**

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**NOTE:** For row lengths will be SYM. Not intended for row lengths of 8' and (1) 4', 12' row is (1) 8' and (2) 4' made up of 8' and 4'.

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**SENSORS:**
- 205 WattStopper PR Occupancy
- LUX Philips LuxSensor Daylight Harvesting, used with Philips WFE Driver
- 3E Enlightened 2-Wire PR Daylight, Motion & Environmental Sensor

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**CONTROLS:**
- WattStopper PIR Occupancy
- LUX Philips LuxSensor Daylight Harvesting, used with Philips WFE Driver
- 3E Enlightened 2-Wire PR Daylight, Motion & Environmental Sensor

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**OPTIONS & CONTROLS**
- WattStopper PIR Occupancy
- LUX Philips LuxSensor Daylight Harvesting, used with Philips WFE Driver
- 3E Enlightened 2-Wire PR Daylight, Motion & Environmental Sensor
### BIO-REC

#### Recessed Linear (Standard)

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<th>LED COLOR</th>
<th>OUT-PUT</th>
<th>NOMINAL LENGTH</th>
<th>TMX COLOR</th>
<th>SHIELD</th>
<th>DISTRIBUTION</th>
<th>CIRCUIT</th>
<th>VOLTAGE</th>
<th>CEILING SYSTEMS</th>
<th>DRIVERS</th>
<th>OPTIONS &amp; CONTROLS</th>
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**NOTE:** Replaces main T-Bar (emittance) for wall & ceiling. Cross T’s must be supported.

### BIO-LIN

#### Linear

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<th>OUT-PUT</th>
<th>NOMINAL LENGTH</th>
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<th>DISTRIBUTION</th>
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**NOTE:** Replaces main T-Bar (emittance) for wall & ceiling. Cross T’s must be supported.

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**BIONIC PERIMETER TILE FLANGE**

**P53 : Recessed Linear**

Note: Additional dimensions and specifications may be available in the original document. Please consult the complete version for specific details and dimensions.