High Performance Recessed Collection

HPR LED Luminaires

Project: Burlington Coat Factory HQ • Architect: KSS Architects • Burlington, NJ
High Performance Recessed LED

HPR LED delivers outstanding performance in a refined and flexible format. Available in a variety of styles, sizes and outputs, this recessed luminaire rises to meet most challenges.

Tailored Output

- Static White options: Standard (S), Boosted Standard (B), High (H), and Very High (V)
- Tunable White options: Boosted Standard (B) and Very High (V)

Tailored Color

- Static White options at 3000K, 3500K and 4000K CCT
- Tunable White option for two-source Tunable White light between 2700K and 6500K CCT
- 80+ and 90+ CRI options available

Tailored Control

- Dimming from 100% to 10%, standard; 1% available
- Industry-leading pre-qualified drivers and controls options available
- Integrated or networked daylight and occupancy sensors options available
- Simplified white light color tuning design and installation with the FineTune™ controls system

Flexible

LED and fluorescent light engines, mounting, and diffuser options.

Serviceable

Drop-down doors and quick-connects for drivers and light engines simplify repairs.

Declare 2.0

This product is enrolled in the International Living Future Institute (ILFI) Declare 2.0 Program and is third-party verified.
Wave Door

The undulating curves of Wave (WAV) provide an organic look and solid performance.

Available Sizes

| 2x2 | 2x4 |

CCT  3000K, 3500K, 4000K, or Tunable White (2700K – 6500K)
CRI  80+ (standard) or 90+
Output 3470 to 7069 total lumens
Efficacy 113 to 142 LPW
Curved Slotted Door

The perforated sides of the center optic give the Curved Slotted (CS) door a subtle glow.

**Available Sizes**

- 1x4
- 2x2
- 2x4

**CCT**
- 3000K, 3500K, 4000K, or Tunable White (2700K – 6500K)

**CRI**
- 80+ (standard) or 90+

**Output**
- 3236 to 6602 total lumens

**Efficacy**
- 112 to 132 LPW

**Additional Options**
- Enhanced Performance (EP)
- Fluorescent
Double Diffusing Door

The Double Diffusing (DD) door presents a clean ceiling line with a flat panel aesthetic.

Available Sizes

CCT 3000K, 3500K, 4000K, or Tunable White (2700K – 6500K)
CRI 80+ (standard) or 90+
Output 1489 to 5691 total lumens
Efficacy 93 to 114 LPW
Angled Narrow Rail (ANR) Option

\[
\begin{align*}
\text{Standard Rail} & : 9/16'' \\
\text{Angled Narrow Rail (HPR-ANR) Optional} & : 5/16''
\end{align*}
\]
Angled & Flat Door

HPR with the Angled (A) and Flat (F) doors offers a variety of center optic options.

Available Sizes

CCT  3000K, 3500K, 4000K, or Tunable White (2700K – 6500K)
CRI  80+ (standard) or 90+
Output 1489 to 6979 total lumens
Efficacy 93 to 140 LPW

Additional Options
- Enhanced Performance (EP)
- Angled Narrow Rail
- Diffuse, Slotted and Round Center Optics
- Fluorescent
The High Performance Wall (HPW, HPW LED) is a recessed, asymmetric wall wash that delivers uniform vertical illumination.

**Available Sizes**

- 2'
- 4'
- 8'

**CCT** 3000K, 3500K, 4000K, or Tunable White (2700K – 6500K)

**CRI** 80+ (standard) or 90+

**Output** 800 to 7812 total lumens

**Efficacy** 106 to 109 LPW

**Additional Options**

- Fluorescent
Integrated Sensors

The High Performance Recessed (HPR, HPR LED) Static White and Fluorescent collections accommodate daylight and occupancy sensors in the luminaire’s center optic. Tunable White luminaires using the FineTune™ controls system have simple plug-and-play integration with area sensors. The daylight sensor and controls provide continuous dimming within a controlled zone.

**Integrated Daylight Sensor**
- Measures the combined light levels of the daylight and electric light
- Dims the light based on available daylight
- 3000K, 3500K, or 4000K
- Low voltage 0-10V control wires

**Integrated Occupancy Sensor**
- Multi-cell, multi-tier Fresnel lens with a 360° view
- Detects small motions when mounted within 8’ of occupants
- 14’ diameter range
- Low voltage 0-10V control wires
Anatomy of a 100,000+ Hour Luminaire

1. **Cool Running LED Driver**
   Often, the driver is the weak link in the LED luminaire. Using mid-power LEDs run at a low current keeps driver case temperatures below 55°C. This results in LED drivers that easily last 100,000+ hours.

2. **Mid-Power LEDs**
   Like the driver, mid-power LEDs are run at low current, keeping them cool and resulting in lifetimes of at least 100,000 hours.

3. **Plush Pile Gaskets**
   Standard rubber gaskets do not stand up to the long life time of Finelite LED luminaires. We use plush pile gaskets that do not breakdown over time.

4. **Diffusers**
   Acrylic diffusers paired with LEDs that do not emit UV radiation means there will be no yellowing or cracking and diffusers will easily last more than 100,000 hours.

5. **Durable Powder Coat**
   Finelite luminaires are finished with a robust powder coat finish that can withstand many years of occasional cleaning.

6. **Serviceable**
   Sometimes things break. The HPR collection has replaceable LED arrays, drivers, even doors. With a unique ID# inside every luminaire, parts are easy to order and easy to install.
The High Performance Recessed collection is ideal for illuminating any interior application.

**Application Guide**

Ceiling Height: 9’0”
2x2 - High Output, 80+ CRI, 3500K
2x4 - High Output, 80+ CRI, 3500K
Reflectance: 80/50/20
Light levels are initial
Based on Angled door with DCO center optic

<table>
<thead>
<tr>
<th>Luminaire Spacing</th>
<th>2x2 Light Level (fc)</th>
<th>LPD (w/ft²)</th>
<th>Tailored Level*</th>
</tr>
</thead>
<tbody>
<tr>
<td>8’x8’</td>
<td>39.3</td>
<td>0.34</td>
<td>50%</td>
</tr>
<tr>
<td>8’x10’</td>
<td>48.8</td>
<td>0.41</td>
<td>75%</td>
</tr>
<tr>
<td>10’x10’</td>
<td>40.8</td>
<td>0.35</td>
<td>75%</td>
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<tr>
<td>10’x12’</td>
<td>46.6</td>
<td>0.40</td>
<td>100%</td>
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<table>
<thead>
<tr>
<th>2x4 Light Level (fc)</th>
<th>LPD (w/ft²)</th>
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<td>34.0</td>
<td>0.25</td>
<td>40%</td>
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<td>31.6</td>
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<td>44.3</td>
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<td>37.9</td>
<td>0.28</td>
<td>75%</td>
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</table>

* Represents % of maximum output.
# Collection At A Glance

<table>
<thead>
<tr>
<th>Center Optics (DCO/SCO/RCO)</th>
<th>Lens: Open or Frosted</th>
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</thead>
</table>

## Sizes

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Angled Door</th>
<th>ANR Door</th>
<th>Flat Door</th>
<th>CS Door</th>
<th>DD Door</th>
<th>WAVE Door</th>
<th>HPW</th>
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<tbody>
<tr>
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## Light Engine

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<thead>
<tr>
<th>LED</th>
<th>1, 2T8/2T5/T5HO</th>
<th>3T8/T5/T5HO</th>
<th>1FT40/50/55W</th>
<th>2FT40/50/55W</th>
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<tbody>
<tr>
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<td>✔</td>
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## Mounting

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<th>Grid Ceiling</th>
<th>Drywall Kit</th>
<th>Pendant*</th>
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## Special Features

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<tr>
<th>Enhanced Performance (EP)</th>
<th>LED</th>
<th>1, 2T8/2T5/T5HO</th>
<th>3T8/T5/T5HO</th>
<th>1FT40/50/55W</th>
<th>2FT40/50/55W</th>
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## Notes

* Not compatible with 1x1 or HPW. Not IC rated.
** Not available with 1x1
Door Styles & Optics

Door Styles

A - Angled
ANR - Angled Narrow Rail
F - Flat
WAV - Wave

CS - Curved Slotted
DD - Double Diffuse

Optics

DCO - Diffuse Center
SCO - Slotted Center
RCO - Round Center

DCO, SCO, and RCO only available on Angled (A), Angled Narrow Rail (ANR), and Flat (F) doors.
## Performance

### EP Standard Angled Rail Lumen Output - 3500K, 80 CRI

<table>
<thead>
<tr>
<th></th>
<th>2x2 Standard Output (S)</th>
<th>2x4 High Output (H)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Lumens</td>
<td>Watts</td>
</tr>
<tr>
<td>HPR - F/A - DCO</td>
<td>3397</td>
<td>28.5</td>
</tr>
<tr>
<td>HPR - ANR - DCO</td>
<td>3276</td>
<td>28.6</td>
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<tr>
<td>HPR - WAV</td>
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<td>HPR - CS</td>
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<td>28.5</td>
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<tr>
<td>HPR - DD</td>
<td>2720</td>
<td>28.5</td>
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### EP Standard Angled Rail Lumen Output - 3500K, 80 CRI

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<tbody>
<tr>
<td></td>
<td>Lumens</td>
<td>Watts</td>
</tr>
<tr>
<td>HPR - F/A - DCO</td>
<td>3099</td>
<td>28.5</td>
</tr>
<tr>
<td>HPR - ANR - DCO</td>
<td>3059</td>
<td>28.6</td>
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### Enhanced Performance (EP)

HPR LED-EP available in Angled (A), Angled Narrow Rail (ANR), and Flat (F) luminaire style. HPR LED-EP features excellent performance, long life and an optical design that delivers twice the luminance uniformity of standard products.

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Refer to www.finelite.com for additional photometry and product information. * Family Correlation
The Finelite LED Difference

- 10-year performance-based warranty
- 90% of initial light output at 100,000+ hours
- Dimming standard
- Replaceable LED light arrays

Finelite Commitment To You

- Ships in 10 working days for standard orders
- Focus on sustainability
- Buy American Act of 2009 Compliant

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