Philips Lightolier LyteCaster LED Downlights are ideal general purpose downlighting solution, providing comfortable, quality light. Available in new construction and remodeler frame with interchangeable light engine that is offered in two lumen packages. The downlight is wet location listed and comes in 3 standard option.

**Frame-In kit**

<table>
<thead>
<tr>
<th>Series</th>
<th>Lumens¹</th>
<th>Frame type</th>
<th>Dimming / Voltage</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>L4R</td>
<td>— 650 lm</td>
<td>A AirSeal IC, New Construction, Screw</td>
<td>E1 ELV/Triac dimming with 120V</td>
<td>VA Version A²</td>
</tr>
<tr>
<td>L4R</td>
<td>10 1000 lm</td>
<td>AN AirSeal IC, New Construction, Nail</td>
<td>Z10U 0-10V with Universa:120V/277V</td>
<td></td>
</tr>
<tr>
<td>06</td>
<td>650 lm</td>
<td>R AirSeal IC, Remodeler</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>1000 lm</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Light engine**

<table>
<thead>
<tr>
<th>Series</th>
<th>Lumens¹</th>
<th>CRI / CCT</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>L4R</td>
<td>— 650 lm</td>
<td>827 80 CRI / 2700K CCT</td>
<td>VA Version A²</td>
</tr>
<tr>
<td>L4R</td>
<td>10 1000 lm</td>
<td>830 80 CRI / 3000K CCT</td>
<td></td>
</tr>
<tr>
<td>L4R</td>
<td>10 1000 lm</td>
<td>835 80 CRI / 3500K CCT</td>
<td></td>
</tr>
<tr>
<td>L4R</td>
<td>10 1000 lm</td>
<td>840 80 CRI / 4000K CCT</td>
<td></td>
</tr>
<tr>
<td>L4R</td>
<td>10 1000 lm</td>
<td>927 90 CRI / 2700K CCT</td>
<td></td>
</tr>
<tr>
<td>L4R</td>
<td>10 1000 lm</td>
<td>930 90 CRI / 3000K CCT</td>
<td></td>
</tr>
</tbody>
</table>

**Trim**

<table>
<thead>
<tr>
<th>Series</th>
<th>Luminaire type</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>L4R</td>
<td>D Open Downlight</td>
<td>D Clear diffuse (with white flange)</td>
</tr>
<tr>
<td>L4R</td>
<td>B Baffle Downlight</td>
<td>W White (with white flange)</td>
</tr>
</tbody>
</table>

Note: Lumen output is calculated based on 80 CRI and 3500K CCT. Please consult adjustment factors table on page 5 for other lumen outputs.

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¹. When ordering a Frame-in kit and a Light engine, the lumen package code must match.
². Version A (VA) frames and light engines are not compatible with previous versions.
HardiePanel® Vertical Siding Product Description

HardiePanel® vertical siding is factory-primed fiber-cement vertical siding available in a variety of sizes and textures. Examples of these are shown below. Textures include smooth, stucco, Cedarmill® and Sierra 8. HardiePanel vertical siding is 5⁄16-in. thick and is available in 4x8, 4x9 and 4x10 sizes. Please see your local James Hardie dealer for texture and size availability.

HardiePanel vertical siding is available as a prefinished James Hardie product with ColorPlus® Technology. The ColorPlus coating is a factory applied, oven baked finish available on a variety of James Hardie siding and trim products. See your local dealer for availability of products, color and accessories.
Product Specs

The Product Selector is your quick-search home for complete specifications, installation instructions and product resources for all Integrity Ultrex fiberglass products. Use the drop-down menus below to narrow your search.

1. Select Product Type
   - Window
2. Select Product Series
   - Wood-Ultrex
3. Select Product
   - Casement & Awning

Or View Entire Product Resource Library

Wood-Ultrex

Casement and Awning Windows

A maintenance-free exterior, elegant wood interior and an airtight/watertight seal that stands up to driving rains and strong winds; what more could you want in a window? Integrity Wood-Ultrex Casement and Awning windows offer the clean lines you expect from Integrity and dual-axial roller gear operation for long-lasting performance and safety that never sag.

- Low-maintenance Ultrex exterior; rich pine interior
- DP50 performance
- Sash lifts and removes easily with no tools
- Folding nail fin and all installation accessories included
- 10-year manufacturing warranty/20-year glass seal warranty
- LoE3 glass with argon gas standard
- LoE3-366 and tempered glass available

See drawings for divided lite patterns and sizes

Specifications
Installation Guides
Energy Ratings
Architectural Drawings (2D & 3D Symbols)
Parts Manual

Architectural Detail Manual (ADM)
Click a link below to download detailed product information, including sizes, features, design pressures, NFRC values, egress information, elevations and section details. Documents can be opened and viewed using Adobe Acrobat Reader.

- Integrity Windows and Doors NFRC Values
- Integrity Wood-Ultrex and All Ultrex Accessories
- Integrity Wood-Ultrex Casement, Awning, Casement Picture and Casement Transom
- Product Performance and Information

Construction Specifications
Click a link below to download customizable specification information for use in preparing project documentation and submittals. Documents can be opened and viewed using Microsoft Word or a text editor of your choice.

- CSI for Awnings
- CSI for Casements

http://www.integritywindows.com/Spec-Finder-Pro-Casement-Awning-Wood-Ultrex/ 2/2/2014
YN-M22 Series
SPECIFICATIONS
Heat Pump Multi Zone DC Inverter ++
Ultra High Efficiency MULTI ZONE Systems
Two, Three, Four and Five Zones
Five matching indoor unit styles

STANDARD FEATURES (INDOOR UNITS):
- FIVE MODELS (WALL, DUCTED, CASSETTE, CEILING, FLOOR)
- FOUR CAPACITY OPTIONS (9,000 / 12,000 / 18,000 / 24,000 BTU)
- WIRELESS AND WIRED DIGITAL REMOTE CONTROLLERS
- COOL, HEAT, AUTO, FAN ONLY AND DEHUMIDIFICATION MODES
- PERMANENT WASHABLE RETURN AIR FILTERS
- ULTRA MODERN DESIGNS
- HIGH EFFICIENCY VARIABLE SPEED FAN MOTORS
- SELF ADJUSTING COOLING & HEATING CAPACITY CONTROLS
- STANDARD DIGITAL 4 LEAD CONTROL CIRCUITRY
- MIX INDOOR UNIT MODELS AND TYPES TO MATCH ANY DECOR
- MIX INDOOR UNIT CAPACITIES FOR EACH ZONE'S HEAT LOAD
- GROOVED COPPER TUBE, HYDROPHILIC ALUMINUM FIN COIL
- QUIET BUT POWERFUL BLOWER SYSTEM
- PERMANENTLY LUBRICATED FAN MOTOR W/ BALL BEARINGS
- ELECTRONIC MOTOR CONTROLLER
- RUST FREE CONDENSATE DRAIN PAN
- MULTIPLE POWER AND CONTROL WIRING KNOCKOUTS
- VARIOUS ACCESSORIES TO MATCH EACH MODEL TYPE
- OPTIONAL ENTALIZED CONTROLLER
- OPTIONAL DIGITAL PROGRAMMABLE THERMOSTATS

STANDARD FEATURES (OUTDOOR UNITS):
- AVAILABLE IN 2, 3, 4 and 5 ZONE VERSIONS
- ULTRA HIGH EFFICIENCY DC INVERTER ++ VERSIONS
- ULTRA HIGH FULL LOAD AND PARTIAL LOAD EFFICIENCIES
- COOLING AND HEATING FUNCTIONS DOWN TO -13 F AMBIENT
- QUIET AND HIGHLY EFFICIENT MAJOR BRAND COMPRESSOR
- HEAVY GAUGE ZINK COATED GALVANIZED STEEL CASING
- DURABLE POLYESTER-URETHANE PAINT
- CLEAN LOOKING LIGHT BEIGE COLOR
- HIGH EFFICIENCY VARIABLE SPEED ECM FAN MOTOR
- PERMANENTLY LUBRICATED FAN MOTOR W/ BALL BEARINGS
- AXIAL FLOW FAN(S) W/ HIGH AIR VOLUME
- ELECTRONIC EXPANSION VALVES FOR EACH CIRCUIT
- PLASTIC COATED WIRE FAN GUARD
- GROOVED COPPER TUBE, HYDROPHILIC ALUMINUM FIN COIL
- WHISPER QUIET OPERATION
- SELF TRAINING INTELLIGENT DEFRIST LOGIC
- FLARE TYPE BRASS SERVICE VALVES WITH PRESSURE PORTS
- FACTORY CHARGED FOR UP TO 25' LINE SET PER CIRCUIT
- STANDARDIZED CABINET DESIGN ACROSS MODELS
- ENVIRONMENTALLY FRIENDLY R410A REFRIGERANT

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PRODUCT GREEN GUIDE
Trifab™ VersaGlaze™ 451T Framing

Trifab™ VG (VersaGlaze™) Framing systems have all the versatility the name implies. There are enough fabrication, design and performance choices to please the most discerning building owner, architect and installer.

RATING SYSTEMS

LEED v4 BD+C: New Construction
- EA: Optimize Energy Performance
- EA: Renewable Energy Production
- MR: Environmental Product Declarations
- MR: Sourcing of Raw Materials
- MR: Material Ingredients
- MR: Source Reduction - Lead, Cadmium, and Copper
- MR: Construction and Demolition Waste Management
- EQ: Thermal Comfort
- EQ: Daylight
- EQ: Quality Views
- EQ: Acoustic Performance

Living Building Challenge 3.1
- IMP 06: Net Positive Energy
- IMP 07: Civilized Environment
- IMP 08: Healthy Interior
- IMP 09: Biophilic Environment
- IMP 10: Red List
- IMP 12: Responsible Industry
- IMP 13: Living Economy Sourcing
- IMP 14: Net Positive Waste
- IMP 16: Universal Access

FEATURES
- 2" (50.8mm) sightline
- 4-1/2" (114.3mm) depth
- Infill options up to 1-1/8" (26.6)
- High thermal performance
- Center, back, front, multi-plane glazed options
- Blast mitigation
- Hurricane resistance
- Structural silicone glazed (SSG) options
- Flush glazed from either the inside or outside
- Screw Spline, Shear Block, Slick or Type-B fabrication
- Standard anodized finishes only

DOCUMENTS

Declare™
Document no. KAW-0011 through Red List Free

Environmental Product Declaration
Document no. 47608332121.104.1
Product-specific Type III EPD

Material Transparency Summary
Document no. MTSC040EN
Manufacturer Material Ingredient Inventory

KAWNEER
AN AMERICAN COMPANY
MAY, 2018
PGGC050EN
Entrance Doors

1. Thermoplastic elastomer weatherstrip in blade-stop of frame jambs, header or transom bar.
2. Integral polymeric fin is attached to adjustable astragal creating an air barrier for a pair of doors.
3. Optional surface-applied bottom weatherstrip with flexible blade gasket. Extruded raised lip on threshold to provide a continuous contact surface for bottom weatherstrip.
4. Standard 1/4" beveled glass stops and water and dirt off without leaving residue.
5. Available in all finishes offered by Kawneer.

The 190 Narrow Stile Entrance
- Designed for moderate traffic in applications such as stores, offices and apartment buildings.
- Vertical stiles measure 2 1/8"; top rail 2 1/4" and bottom rail 3 7/8".
- Results in a slim look that meets virtually all construction requirements.

The 350 Medium Stile Entrance
- Provides extra strength for applications such as schools, institutions and other high traffic applications.
- Vertical stiles and top rail measure 3 1/2".
- Bottom rail measures 6 1/2" for extra durability.

The 500 Wide Stile Entrance
- Creates a monumental visual statement for applications such as banks, libraries and public buildings.
- Vertical stiles and top rail are 5"; bottom rail measures 6 1/2".
- Results in superior strength for buildings experiencing heavy traffic conditions.

Economy
Kawneer's Sealair™ bulb neoprene weatherstripping forms a positive seal around the door frame and provides a substantial reduction in air infiltration, resulting in improved comfort and economies in heating and cooling costs. The system is wear and temperature-resistant and replaces conventional weathering. Bottom weatherstrip at the interior contains a flexible blade gasket to meet and contact the threshold, enhancing the air and water infiltration performance characteristics.

For the Finishing Touch
Architectural Class I anodized aluminum finishes are available in clear and Permanodic™ color choices.

Painted finishes, including fluoropolymer, that meet AAMA 2605 are offered in many standard choices and an unlimited number of specially designed colors.

Solvent-free powder coatings add the green element with high performance, durability and scratch resistance that meet the standards of AAMA 2604.

General
- Heights vary to 10'; widths range from approximately 3' to 4'.
- Door frame face widths range to a maximum of 4', while depths range to 6'.
- Door operation is single or double-acting with maximum security locks or Touch Bar Panics standard.
- Architect's Classic one inch round, bent bar push/pull hardware is available in various finishes and sizes.
- Infill range from under 1/4" to more than 1".

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Morcross, GA 30092

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kawneer.com

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