APPLICATION
Round aperture downlight is suitable for applications that require a tunable white, long life LED lamp source and a lensed wet location reflector.

PRODUCT DATA

LED MODULE: Tunable white LED module provides a standard continuously adjustable range of color temperatures from 1800K to 6500K and dims down to a level of 0.5%. Control color temperature and dimming level with either 0-10V or DMX. DMX mode is RDM compatible and enables selection of linear or square response. Both the LED engine and driver are accessible through the aperture for future upgrades or maintenance. Engineered heat sink provides passive cooling for optimum heat management of the LED engine. 90 CRI is standard.

POWER: 2000L = 37W.

REFLECTOR: The parabolic reflector redirects spill light from the engine, and eliminates high angle glare. A 5/8" overlap flange is standard. Supplied with Specular Clear Alzak, other reflector finishes are available in order to provide maximum flexibility to the designer.

LENS: Non-conductive frosted lens is molded of polycarbonate and attaches to reflector with unique self-bayonetting design. This eliminates any visible hardware. Lens is suitable for wet locations. Optional tamperproof feature (TP) prevents unauthorized access to fixture.

HOUSING: Heavy-gauge galvanized steel housing provides a secure mounting platform for the electrical components and protects the optical assembly. Standard plaster flange allows one-inch ceiling thickness with custom depth available. LED module is accessible from below.

MOUNTING: Universal mounting brackets adjust vertically and accept L-Bar interlocking, expandable c-channel hanger bars which are supplied standard. L-bars are suitable for T-bar, wood joist and metal joist ceiling styles. Additional features on last page.

ELECTRICAL: 120 or 277 VAC, 50-60 Hz.

JUNCTION BOX: Heavy-gauge galvanized junction box pre-wired with grounding pigtail. Easy access covers. Multiple conduit knockouts listed for through branch circuit wiring. RJ-45 sockets are provided for DMX digital control connections.

* Expected lamp life to be 50,000 hours with 70% lumen maintenance when ambient temperatures do not exceed 45°C. Lower ambient temperatures yield longer lamp life.

CALIBER PLUS
ARCHITECTURAL

SERIES 6VTWWL Shower Lens
LED Tunable White Recessed Downlight, 1151 Lumen

Tunable White

5 Year Warranty

Flat non-conductive polycarbonate lens.

Optional tamperproof (TP) hardware prevents unauthorized access.

For Damp Locations

Catalog #: 6VTWWL
Example: 6VTWWL20E1

<table>
<thead>
<tr>
<th>Fixture Series</th>
<th>Lumens</th>
<th>Control/Dimming</th>
<th>Input/Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>6VTWWL</td>
<td>20 = 1753-1796 Delivered Lumens (3000K)</td>
<td>65K* = 0-10V Dual Controllers, 1800K - 6500K range linear response</td>
<td>E1 = 120V, E2 = 277V</td>
</tr>
<tr>
<td>6VLEDWL</td>
<td>84° Lensed Reflector for Wet Location</td>
<td>DMX65K** = 1800K to 3000K or 1800K-6500K BLE65K = Bluetooth, 1800K to 6500K range linear response</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Trim</th>
<th>Trim Finish</th>
<th>w/polished flange</th>
</tr>
</thead>
<tbody>
<tr>
<td>6VLEDWL</td>
<td>SCLPF – Soft Specular Clear Alzak</td>
<td>TP – Optional Tamperproof†</td>
</tr>
</tbody>
</table>

For white painted flange, drop "PF" from Catalog #. For other finishes, consult reflector section.

* One 0-10V controller for dimming and one 0-10V controller for color temperature
** Refer to table for available DMX personalities
† Tamperproof option negates dead front description

Options

- 1.5" = Accommodates ceilings up to 1.5" thick

Manufactured and tested to UL#1598, UL#8750 and CSA standards. Fixtures are not designed for direct contact with insulation. All Pathway® products meet or exceed requirements as established by the National Electrical Code. Specifications subject to change without notice. Alzak® is a registered trademark of Alcoa.
Tunable White Performance Features

- Proprietary flexible silicon reflector/mixing chamber enhances color uniformity and efficacy.
- Custom designed DLM module style light engine assembly.
- Matched LED emitter and driver pair to insure color consistency.
- LED Emitter temperature monitored to enable driver to adjust drive current to compensate for temperature variations, assuring color and lumen output consistency over full operating temperature range.
- LED emitter utilizes multiple warm white, cool white and red LEDs to enable precise color tuning just below the black body curve for superior white light.
- Lumen output maintained to within 10% of specified value over entire adjustable CCT range.
- Color consistency maintained within 3 SCDM throughout the full specified operating range.
- CRI>90 is maintained at 3000K over full dimming range.
- Dimmable to 0.5%.
- 15 DMX Personalities available.
- RDM compliant.
- Bluetooth control available.

Precise Color Tuning Below Black Body Locus

1800K - 6500K
## Tunable White 1800K-6500K (DMX65K Option)

**DMX Personalities**

Multiple DMX personalities are supported in the DMX-RDM implementation. The table below lists all the available personalities. In the absence of programming, the default mode is mode 5, Tunable white 6500K SQ.

<table>
<thead>
<tr>
<th>MODE</th>
<th>PERSONALITY</th>
<th>ADDRESS A</th>
<th>ADDRESS B</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Tunable White 6500K SQ</td>
<td>CCT</td>
<td>Brightness</td>
<td>CCT Tuning 1800K-6500K Square Law Response</td>
</tr>
<tr>
<td>6</td>
<td>Tunable White 3000K SQ</td>
<td>CCT</td>
<td>Brightness</td>
<td>CCT Tuning 1800K-3000K Square Law Response</td>
</tr>
<tr>
<td>7</td>
<td>Tunable White 6500K</td>
<td>CCT</td>
<td>Brightness</td>
<td>CCT Tuning 1800K-6500K Linear Response</td>
</tr>
<tr>
<td>8</td>
<td>Tunable White 3000K</td>
<td>CCT</td>
<td>Brightness</td>
<td>CCT Tuning 1800K-3000K Linear Response</td>
</tr>
<tr>
<td>9</td>
<td>Tunable White R 6500K SQ</td>
<td>Brightness</td>
<td>CCT</td>
<td>CCT Tuning 1800K-6500K Square Law Response, Reverse Address</td>
</tr>
<tr>
<td>10</td>
<td>Tunable White R 3000K SQ</td>
<td>Brightness</td>
<td>CCT</td>
<td>CCT Tuning 1800K-3000K Square Law Response, Reverse Address</td>
</tr>
<tr>
<td>11</td>
<td>Tunable White R 6500K</td>
<td>Brightness</td>
<td>CCT</td>
<td>CCT Tuning 1800K-6500K Linear Response, Reverse Address</td>
</tr>
<tr>
<td>12</td>
<td>Tunable White R 3000K</td>
<td>Brightness</td>
<td>CCT</td>
<td>CCT Tuning 1800K-3000K Linear Response, Reverse Address</td>
</tr>
<tr>
<td>13</td>
<td>Warm Cool Group 6500K SQ</td>
<td>Brightness for warm white</td>
<td>Brightness for cool white</td>
<td>CCT Tuning 1800K-6500K Square Law Response</td>
</tr>
<tr>
<td>14</td>
<td>Warm Cool Group 3000K SQ</td>
<td>Brightness for warm white</td>
<td>Brightness for cool white</td>
<td>CCT Tuning 1800K-3000K Square Law Response</td>
</tr>
<tr>
<td>15</td>
<td>Warm Cool Group 6500K</td>
<td>Brightness for warm white</td>
<td>Brightness for cool white</td>
<td>CCT Tuning 1800K-6500K Linear Response</td>
</tr>
<tr>
<td>16</td>
<td>Warm Cool Group 3000K</td>
<td>Brightness for warm white</td>
<td>Brightness for cool white</td>
<td>CCT Tuning 1800K-3000K Linear Response</td>
</tr>
<tr>
<td>17</td>
<td>Cool Warm Group 6500K SQ</td>
<td>Brightness for cool white</td>
<td>Brightness for warm white</td>
<td>CCT Tuning 1800K-6500K Square Law Response, Reverse Address</td>
</tr>
<tr>
<td>18</td>
<td>Cool Warm Group 3000K SQ</td>
<td>Brightness for cool white</td>
<td>Brightness for warm white</td>
<td>CCT Tuning 1800K-3000K Square Law Response, Reverse Address</td>
</tr>
<tr>
<td>19</td>
<td>Cool Warm Group 6500K</td>
<td>Brightness for cool white</td>
<td>Brightness for warm white</td>
<td>CCT Tuning 1800K-6500K Linear Response, Reverse Address</td>
</tr>
<tr>
<td>20</td>
<td>Cool Warm Group 3000K</td>
<td>Brightness for cool white</td>
<td>Brightness for warm white</td>
<td>CCT Tuning 1800K-3000K Linear Response, Reverse Address</td>
</tr>
</tbody>
</table>

**NOTES:**

1. SQ suffix refers to a square law profile for dimming from 100%-0.5%
2. Blank suffix refers to a linear profile for dimming from 100%-0.5%
3. Address A refers to the first address of two sequential addresses
4. Address B refers to the second address of two sequential addresses
5. Tunable white personalities require two sequential DMX addresses
6. 512 DMX addresses are valid between 0 and 511.
7. RDM is used to set the DMX address and personality
Tunable White Bluetooth Info
BLE Mesh and Casambi App Control Functions

Tunable White fixture can be controlled wirelessly using Bluetooth (BLE) in conjunction with the Casambi App for iOS and Android devices. In case of Android devices, we recommend using the higher end devices, since the BLE hardware is some low-end Android devices are not as effective at signal detection over a large physical area, where the light Fixtures might be located.

Available Wireless Switch Options
Features & Benefits

- Communicates wirelessly with other Magnum devices using Casambi radio frequency technology.
- Wireless - no additional wire to run so installation is fast and easy. Install them where you want them and then move them anytime.
- Self-powered - no batteries to replace and no on-going maintenance.
- Decorator style rocker pads capable of performing switching and dimming functions

<table>
<thead>
<tr>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Mounting</td>
</tr>
</tbody>
</table>

Pathway Lighting Products, Inc., P.O. Box 591, Old Saybrook, CT 06475-0591
voice 800.342.0592 • fax 800.207.0090 • www.pathwaylighting.com • e-mail: sales@pathwaylighting.com
Available Reflector Finishes

- Clear Soft Specular “SCL”
- Pewter Diffused “EPW” Soft Specular “SPW”
- Haze Diffused “HAZ”
- Straw Diffused “EST” Soft Specular “SST”
- Bronze Diffused “EBZ” Soft Specular “SBZ”
- Wheat Diffused “EWT” Soft Specular “SWT”

Our standard reflector finish is soft specular clear Alzak (SCL) with a polished self-flange (PF). Additional hues are noted to left. Several of these are offered in both a soft specular and a diffused/matte finish. For colors not shown, contact our sales department for advice on custom anodized finishes.

Specified suffix of desired finish.
Example: 4VLEDSCLPF
For white painted flange omit PF.

Standard Hanger Bars

Interlocking L-Bar hanger bars are now standard with all recessed Coventry Architectural lighting fixtures. Installer friendly features include:
- L-Bars are fabricated from identical L-shaped cross sections that form a sturdy ½” by 1-1/2” C-channel profile for superior rigidity.
- Pre-marked with spacing locations for 24” T-bar; 16” and 24” joist ceilings (wood and metal).
- Extension locks with an easy-to-use integral twist tab. No separate fastener.
- Interlocking and expandable to 24”. Can be increased to 36” or 48” with the use of one additional bars.
- Allows for offset mounting.
- Integral and barbed nail spike for wood joist ceilings.
- Fits into the c-channel notches on our butterfly mounting bracket.
- Complete details including video demonstration is available at www.pathwaylighting.com.

To increase the included L-Bar set to a 36” length, order two model #015-954 and use one per side. To increase to a 48” length, order one #LBAR which is a complete set of four bars and use two per side.