FEATURES & SPECIFICATIONS

INTENDED USE
The 2RTLED combines digital LED lighting and controls technologies with patented high-performance optical design to offer the most advanced luminaire for general-ambient lighting applications. High-efficacy light engine delivers long life and excellent color, ensuring a superior quality lighting installation that is highly efficient and sustainable.

CONSTRUCTION
Rugged, one-piece cold-rolled steel reflector assembly with embossed facets. Coated polyester powder-paint after fabrication.
Rigid structure with ballast box and end plates. End plates include integral T-bar clips.
Impact-modified acrylic prismatic refractor with polymer light-diffusing film.
Luminaires may be mounted end-to-end and continuously wired.

OPTICS
Volumetric illumination is delivered by creating an optimal mix of light to walls, partitions, vertical and horizontal work surfaces — rendering the interior space, objects and occupants in a more balanced, complementary luminous environment.
Light distribution is carefully controlled at high angles, providing just enough luminous flux to create the volumetric effect.
Linear faceted reflector cavity softens and distributes light into the space while minimizing luminous contrast between the fixture and ceiling.
Regressed two-piece refractor system obscures and integrates individual LED images and uniformly washes the reflector cavity with light.
Sloped end plates provide a smooth, luminous transition between fixture and ceiling while enhancing the perception of fixture depth.

ELECTRICAL
Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 2RTLED is rated to deliver L80 performance for 50,000 hours.
Standard nLight™ embedded controls continuously monitor system performance, allow for constant lumen management / compensation function, facilitate simple “plug-and-play” network and controls upgrading via Cat-5 cable.
LED AccuDrive ™ driver delivers full-range dimming from 0-10V control signal.
Driver disconnect provided where required to comply with US and Canadian codes.

INSTALLATION
Drivers and internal components accessed via plenum. Driver tray may be removed from fixture during service.
Maintenance: LED boards include plug-in connectors for easy replacement or servicing.
Suitable for direct insulation contact.

ORDERING INFORMATION
For shortest lead times, configure products using bolded options.

Example: 2RTLED 4600L D50 LP835 N80

<table>
<thead>
<tr>
<th>Series</th>
<th>Lamp type</th>
<th>Voltage</th>
<th>Driver</th>
<th>Lamp</th>
<th>Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>2RTLED</td>
<td>4600L</td>
<td>(blank)</td>
<td>D50</td>
<td>LP835</td>
<td>N80</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MVOLT (120 - 277V)</td>
<td>50W</td>
<td>82 CRI, 3500 Kelvin</td>
<td>nLight with 80% (L80) lumen management</td>
</tr>
</tbody>
</table>

1 Approximate lumen output.
2 Approximate input power (watts).

Catalog Number
Notes
Type

LISTING
CSA Certified to meet U.S. and Canadian standards.
Protected by one or more of US Patent Nos. 7,229,192; D541,467; D541,468; D544,633; D544,634; D544,992; D544,933 and additional patents pending.

WARRANTY
Five-year warranty coverage of luminaires includes fixture construction, LED light engine, driver and nLight control device. Terms and conditions apply.

Specifications
- Length: 48 (121.9)
- Width: 24 (61.0)
- Depth: 3-1/8 (7.9)
- All dimensions are inches (centimeters).

Notes
1 Approximate lumen output.
2 Approximate input power (watts).
PHOTOMETRICS

2RTLED 4600L LP835, 4,574 delivered lumens, test no. LTL19341, tested in accordance to IESNA LM-79.

Coefficients of Utilization

<table>
<thead>
<tr>
<th>Zone</th>
<th>Lumens</th>
<th>% Lamp</th>
<th>% Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>0° - 30°</td>
<td>1449</td>
<td>31.7</td>
<td>31.7</td>
</tr>
<tr>
<td>0° - 40°</td>
<td>2299</td>
<td>50.3</td>
<td>50.3</td>
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<tr>
<td>0° - 60°</td>
<td>3791</td>
<td>82.9</td>
<td>82.9</td>
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<tr>
<td>0° - 90°</td>
<td>4574</td>
<td>100.0</td>
<td>100.0</td>
</tr>
<tr>
<td>90° - 180°</td>
<td>0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>0° - 180°</td>
<td>4574</td>
<td>100.0</td>
<td>100.0</td>
</tr>
</tbody>
</table>

Efficiency: 100.0%

LED Energy Comparison to T5/T8

<table>
<thead>
<tr>
<th>System</th>
<th>Lamp type</th>
<th>Ballast factor</th>
<th>Input watts</th>
<th>Watts saved by using LED</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-N100</td>
<td>LED</td>
<td>1.0</td>
<td>50</td>
<td>--</td>
</tr>
<tr>
<td>LED-N80F</td>
<td>LED</td>
<td>1.0</td>
<td>40</td>
<td>--</td>
</tr>
<tr>
<td>Two-lamp T8</td>
<td>F3T8U</td>
<td>0.88</td>
<td>55</td>
<td>5</td>
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<tr>
<td>Two-lamp T5</td>
<td>F28T5HO</td>
<td>1.0</td>
<td>58</td>
<td>8</td>
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</tbody>
</table>

Notes

1. With slight 80% lumen management input watts start at 40 and gradually increasing to 50 at 50,000 hrs.