LED RECESSED DOWNLIGHTING

JESCO LIGHTING GROUP
LED RECESSED DOWNLIGHTING

With the rapid change in LED technology, JESCO Lighting introduces its next generation of Residential, Commercial and Architectural LED Recessed Downlights. In this release, we have expanded the line to include a 4" and 6" Retrofit Module for previously installed line voltage housings with an Edison-based socket. The redesigned 4" and 6" Commercial and Residential LED Downlights now feature a dedicated housing and LED light engine, qualifying it as a high efficiency luminaire, which are connected with a quick-connect cable allowing for simple installation of the light engine after the housing is installed in a completed ceiling. The new high-performance specification-grade Architectural Downlights in 4", 6" and 8" are designed to meet the specific needs of commercial and institutional buildings.

All fixtures are safety agency approved; selected models meet Energy Star and California Energy Commission, Title 24 rigid requirements. With a CRI of up to 90 and efficacy of up to 64 lm/W, JESCO fixtures offer low-energy, low maintenance, low-heat, long life operation, and provide significant savings on electricity, maintenance and re-lamping costs and A/C tonnage.

APPLICATIONS:

Government and Office buildings
• Entries, lobbies, corridors and hallways
• Conference rooms

Shopping Malls and Retail Stores
• Open-traffic area, entries, passageways, merchandise displays, showrooms, restrooms, food service areas

Hospital and Health Care Facilities
• Entries, reception area, corridors, treatment rooms, doctors/nurses/technicians offices, food service and restrooms.

Theaters and Museum
• Lobbies, food service areas, aisle ways, restrooms

Hotels
• Lobbies, reception areas, guest rooms, bar and dining areas, meeting and exercise rooms
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Downlights:  RLH-6015N-IC-30
Pendants:   AP09h-GU24/LED
            AP09h-BU
            AP09h-ICL
            AP09h-LB
            AP09h-L03
            AP09h-L03ICL
**LED POWER SUPPLY DRIVER**
- Constant current dimmable driver.
- High efficiency, high power factor, long life.

**EDISON BASE ADAPTER**
- Included Edison base adapter installs directly into the existing E26 socket as used with JESCO 4” & 6” housings.

**HEAT SINK**
- Passively cooled, silent, advanced aluminum heat sink allows LEDs to operate at high power for maximum light output and long lifespan.

**LED ENGINE**
- LEDs provide consistent color in 2700K or 4000K with high CRI.
- Long lamp life of 35,000 hours at 70% of initial lumens.

**MOUNTING**
- Mounts securely in existing housings with torsion springs or friction clips.
- Designed for use with JESCO housings and other existing downlight housings – see product specifications for complete listing.

**LIGHT OUTPUT**
- The light output of the 10W unit is comparable to a 50W MR16 or 50W PAR20.
- The 14W unit is comparable to a 23W CFL or 65W PAR38.

**LISTINGS**
- c-UL-us, Energy Star.
- Title24, LM-79, Lighting Facts.
- Complies with FCC part 15 subpart B

**TRIMS**
- Reflector and Stepped Baffle trim options (sold separately).

**LENS**
- Unique lens design optimizes light distribution and provides uniform light output with lamp like appearance.

**HEATSINK**
- Passively cooled, silent, advanced aluminum heat sink allows LEDs to operate at high power for maximum light output and long lifespan.

**LED POWERSUPPLYDRIVER**
- Constant current dimmable driver.
- High efficiency, high power factor, long life.

**EDISONBASEADAPTER**
- Included Edison base adapter installs directly into the existing E26 socket as used with JESCO 4” & 6” housings.

**HEATSINK**
- Passively cooled, silent, advanced aluminum heat sink allows LEDs to operate at high power for maximum light output and long lifespan.

**LEDENGINE**
- LEDs provide consistent color in 2700K or 4000K with high CRI.
- Long lamp life of 35,000 hours at 70% of initial lumens.

**MOUNTING**
- Mounts securely in existing housings with torsion springs or friction clips.
- Designed for use with JESCO housings and other existing downlight housings – see product specifications for complete listing.

**LISTINGS**
- c-UL-us, Energy Star.
- Title24, LM-79, Lighting Facts.
- Complies with FCC part 15 subpart B

**TRIMS**
- Reflector and Stepped Baffle trim options (sold separately).

**LENS**
- Unique lens design optimizes light distribution and provides uniform light output with lamp like appearance.
**4” APERTURE LED RETROFIT MODULE FOR RECESSED HOUSINGS**

Easily convert any 4” incandescent recessed downlight to the latest in LED technology without special tools or rewiring. The unit is provided with a detachable Edison base adapter that screws into the existing incandescent socket, suitable for use in either IC or Non-IC applications. The 10W module comes complete with LED array, heat sink and driver, produces comparable light output to that of a 50W PAR20 or 50W MR16 and can be dimmed by most standard incandescent dimmers. Available with Step Baffle or Reflector trim option.

**FEATURES**

- Up to 650 lm from 10W.
- High CRI of 88.
- Advanced heat sink provides superior thermal management for 35,000 hours of operation with 70% lumen maintenance.
- Unique polycarbonate lens provides uniform light output with lamp like appearance.
- Securely mounts into housing with friction clips.
- Step Baffle or Reflector trims available in a variety of finishes.
- Socket bracket provides a convenient location for existing socket.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>RLR-4010-27</th>
<th>RLR-4010-40</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>LED Retrofit Module</td>
<td>LED Retrofit Module</td>
</tr>
<tr>
<td><strong>Input Voltage</strong></td>
<td>100-130V AC 50/60Hz</td>
<td>100-130V AC 50/60Hz</td>
</tr>
<tr>
<td><strong>Wattage</strong></td>
<td>10.26W</td>
<td>10.26W</td>
</tr>
<tr>
<td><strong>CCT</strong></td>
<td>2700K</td>
<td>4000K</td>
</tr>
<tr>
<td><strong>Lumens</strong></td>
<td>432 lm</td>
<td>650 lm</td>
</tr>
<tr>
<td><strong>Efficacy</strong></td>
<td>42 lm/W</td>
<td>63 lm/W</td>
</tr>
<tr>
<td><strong>CRI</strong></td>
<td>88</td>
<td>80</td>
</tr>
<tr>
<td><strong>Power Factor</strong></td>
<td>&gt;0.89</td>
<td>&gt;0.89</td>
</tr>
<tr>
<td><strong>Lamp Life</strong></td>
<td>35,000 hours</td>
<td>35,000 hours</td>
</tr>
<tr>
<td><strong>Dimmable</strong></td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>5” Ø × 4 ⅜” H</td>
<td>5” Ø × 4 ⅜” H</td>
</tr>
<tr>
<td><strong>Environment</strong></td>
<td>Indoor, Dry, Damp</td>
<td>Indoor, Dry, Damp</td>
</tr>
</tbody>
</table>

Dimmable with standard incandescent dimmer. Can be dimmed to 10%. Specifications subject to change without notice.

**COMPATIBLE 4” LINE VOLTAGE RECESSED HOUSINGS**

**RS2000B**
New Construction
Non-IC Universal

**RS2000BA**
New Construction
Non-IC Universal Airtight

**RS2000ICA**
New Construction
IC Airtight

**RS2000R**
Remodeling
Non-IC

**RS2000RA**
Remodeling
Non-IC Airtight

Additional compatible Housings but not limited to:
H99 Series HALO, L3 Series LITHONIA.
4” REFLECTOR TRIMS FOR LED RETROFIT MODULES

**RLT-R4001-HZ-WH**
Reflectors Trim
Dims: 5” Ø

<table>
<thead>
<tr>
<th>Model</th>
<th>Reflector</th>
<th>Trim</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLT-R4001-HZ-WH</td>
<td>Haze</td>
<td>White</td>
</tr>
</tbody>
</table>

**RLT-R4001-SN-SN**
Reflectors Trim
Dims: 5” Ø

<table>
<thead>
<tr>
<th>Model</th>
<th>Reflector</th>
<th>Trim</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLT-R4001-SN-SN</td>
<td>Satin Nickel</td>
<td>Satin Nickel</td>
</tr>
</tbody>
</table>

**RLT-R4001-WH-WH**
Reflectors Trim
Dims: 5” Ø

<table>
<thead>
<tr>
<th>Model</th>
<th>Reflector</th>
<th>Trim</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLT-R4001-WH-WH</td>
<td>White</td>
<td>White</td>
</tr>
</tbody>
</table>

4” STEP BAFFLE TRIMS FOR LED RETROFIT MODULES

**RLT-R4002-AB-AB**
Step Baffle Trim
Dims: 5” Ø

<table>
<thead>
<tr>
<th>Model</th>
<th>Baffle</th>
<th>Trim</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLT-R4002-AB-AB</td>
<td>Antique Bronze</td>
<td>Antique Bronze</td>
</tr>
</tbody>
</table>

**RLT-R4002-SN-SN**
Step Baffle Trim
Dims: 5” Ø

<table>
<thead>
<tr>
<th>Model</th>
<th>Baffle</th>
<th>Trim</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLT-R4002-SN-SN</td>
<td>Satin Nickel</td>
<td>Satin Nickel</td>
</tr>
</tbody>
</table>

**RLT-R4002-WH-WH**
Step Baffle Trim
Dims: 5” Ø

<table>
<thead>
<tr>
<th>Model</th>
<th>Baffle</th>
<th>Trim</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLT-R4002-WH-WH</td>
<td>White</td>
<td>White</td>
</tr>
</tbody>
</table>

**RLT-R4002-BK-WH**
Step Baffle Trim
Dims: 5” Ø

<table>
<thead>
<tr>
<th>Model</th>
<th>Baffle</th>
<th>Trim</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLT-R4002-BK-WH</td>
<td>Black</td>
<td>White</td>
</tr>
</tbody>
</table>
Easily convert any 6" incandescent recessed downlight to the latest in LED technology without special tools or rewiring. The unit is provided with a detachable Edison base adapter that screws into the existing incandescent socket, suitable for use in either IC or Non-IC applications. The 14W module comes complete with LED array, heat sink and driver, produces similar light output to that of a 65W PAR 38 or 23W CFL and can be dimmed by most standard incandescent dimmers. Available with Step Baffle or Reflector trim option.

**FEATURES**
- Up to 900 lm from 14W.
- High CRI of 90.
- Advanced heat sink provides superior thermal management for 35,000 hours of operation with 70% lumen maintenance.
- Unique polycarbonate lens provides uniform light output with lamp like appearance.
- Securely mounts into housing with torsion springs.
- Step Baffle or Reflector trims available in a variety of finishes.
- Socket bracket provides a convenient location for existing socket.

**COMPATIBLE 6" LINE VOLTAGE RECESSED HOUSINGS**

<table>
<thead>
<tr>
<th>Model</th>
<th>RLR-6014-27</th>
<th>RLR-6014-40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>LED Retrofit Module</td>
<td>LED Retrofit Module</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>100-130V AC 50/60Hz</td>
<td>100-130V AC 50/60Hz</td>
</tr>
<tr>
<td>Wattage</td>
<td>14W</td>
<td>14W</td>
</tr>
<tr>
<td>CCT</td>
<td>2700K</td>
<td>4000K</td>
</tr>
<tr>
<td>Lumens</td>
<td>790 lm</td>
<td>900 lm</td>
</tr>
<tr>
<td>Efficiency</td>
<td>56 lm/W</td>
<td>64 lm/W</td>
</tr>
<tr>
<td>CRI</td>
<td>90</td>
<td>80</td>
</tr>
<tr>
<td>Power Factor</td>
<td>&gt;0.90</td>
<td>&gt;0.90</td>
</tr>
<tr>
<td>Lamp Life</td>
<td>35,000 hours</td>
<td>35,000 hours</td>
</tr>
<tr>
<td>Dimmable</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Dimensions</td>
<td>7 ¼&quot; W × 10 ¼&quot; L × 7 ⅝&quot; D</td>
<td>7 ¼&quot; W × 10 ¼&quot; L × 7 ⅝&quot; D</td>
</tr>
<tr>
<td>Hanger Bars</td>
<td>Adj. 14 ½&quot; to 24 ½&quot;</td>
<td>Adj. 14 ½&quot; to 24 ½&quot;</td>
</tr>
<tr>
<td>Cut-Out</td>
<td>6 ⅛&quot; Ø</td>
<td>6 ⅛&quot; Ø</td>
</tr>
<tr>
<td>Environment</td>
<td>Indoor, Dry, Damp</td>
<td>Indoor, Dry, Damp</td>
</tr>
</tbody>
</table>

Dimmable with standard incandescent dimmer. Can be dimmed to 10%. Specifications subject to change without notice.

**RS6000B**
- New Construction Non-IC Universal
- **RS6000BA**
  - New Construction Non-IC Universal Airtight
  - **Dimms**: 7" W × 10 ¼" L × 7 ⅝" D
  - **Hanger Bars**: Adj. 14 ½" to 24 ½"
  - **Cut-Out**: 6 ⅛" Ø

**RS6000R**
- Remodeling Non-IC
- **RS6000RA**
  - Remodeling Non-IC Airtight
  - **Dimms**: 6 ⅞" W × 13 ½" L × 7 ¾" D
  - **Cut-Out**: 6 ⅛" Ø

**RS6000BIC**
- New Construction IC
- **RS6000BICA**
  - New Construction IC Airtight
  - **Dimms**: 7" W × 10 ¼" L × 7 ⅝" D
  - **Hanger Bars**: Adj. 14 ½" to 24 ½"
  - **Cut-Out**: 6 ⅛" Ø

**RS6000RIC**
- Remodeling IC
- **RS6000RICA**
  - Remodeling IC Airtight
  - **Dimms**: 6 ⅞" W × 13 ½" L × 7 ¾" D
  - **Cut-Out**: 6 ⅛" Ø

Additional compatible Housings but not limited to: H7 Series HALO, TC2/IC22/IC2 JUNO, LC6/L7 Series LITHONIA, CAT7 Series COMMERCIAL ELECTRIC
6" APERTURE TRIMS

6" REFLECTOR TRIMS FOR LED RETROFIT MODULES

<table>
<thead>
<tr>
<th>Model</th>
<th>Reflector</th>
<th>Trim</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLT-R6001-HZ-WH</td>
<td>Haze</td>
<td>White</td>
</tr>
<tr>
<td>RLT-R6001-SN-SN</td>
<td>Satin Nickel</td>
<td>Satin Nickel</td>
</tr>
<tr>
<td>RLT-R6001-WH-WH</td>
<td>White</td>
<td>White</td>
</tr>
</tbody>
</table>

6" STEP BAFFLE TRIMS FOR LED RETROFIT MODULES

<table>
<thead>
<tr>
<th>Model</th>
<th>Baffle</th>
<th>Trim</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLT-R6002-AB-AB</td>
<td>Antique Bronze</td>
<td>Antique Bronze</td>
</tr>
<tr>
<td>RLT-R6002-SN-SN</td>
<td>Satin Nickel</td>
<td>Satin Nickel</td>
</tr>
<tr>
<td>RLT-R6002-WH-WH</td>
<td>White</td>
<td>White</td>
</tr>
<tr>
<td>RLT-R6002-BK-WH</td>
<td>Black</td>
<td>White</td>
</tr>
</tbody>
</table>
COMMERCIAL & RESIDENTIAL LED RECESSED DOWNLIGHTING

Designed to meet the most common general recessed downlighting applications, our Commercial- and Residential-grade fixtures are offered in a miniaturized 3 ½" and 4", and larger scale 6" apertures. Offered in 3000K and 4000K color temperatures, the LEDs provide consistent color with high CRI. Proprietary lens design provides a precise beam control with reduced glare and uniform light output with a lamp like appearance. The redesigned 4" and 6" Commercial and Residential LED Downlights now feature a dedicated housing and LED light engine, qualifying it as a high efficiency luminaire, which are connected with a quick-connect cable allowing for simple installation of the light engine after the housing is installed in a completed ceiling. IC/Airtight housings provide energy savings by reducing airflow through the ceiling. Most models meet Energy Star and California Title 24 high efficiency luminaire requirements.
NEW CONSTRUCTION

JUNCTION BOX
• c-CSA-us certified for through branch circuit wiring for 3½", 4" and 6" Apertures.
• Includes push-in connectors for quick installations.

LED POWER SUPPLY DRIVER
• Constant current driver dimmable with electronic low voltage dimmers.
• High efficiency, high power factor, long life.
• Driver installed on junction box door for easy access below ceiling.
• Meets UL Class 2, FCC47CFR class B compliant.
• Thermally protected.

Housing
• Suitable for indoor, dry or wet locations.
• IC Airtight housings may be covered with insulation for energy conservation. Gasketed to prevent airflow through the housing from heating and cooling systems.
• Meets ASTM-5283 standards for airtight.

LED ENGINE
• LEDs provide consistent color in 3000K or 4000K options with high CRI.
• Advanced aluminum heat sink allows the LEDs to operate at high power for maximum light output and lifespan.
• Long lamp life of 50,000 hours at 70% of initial lumens.
• 4" and 6" models have separate LED engine.

MOUNTING CHANNEL BRACKET
• 24" Bar Hangers provide stability and support on joints and T-Bar Grid ceilings.
• Housings can be positioned at any point within 24" joint span.
• Score lines allow “toeless” shortening for 12" joists.
• Integral T-bar clips snaps onto T-bars, additional clips not required.

TRIMS
• Reflector and Round and Square Stepped Baffle trim options furnished with textured lens for soft diffused look.

LISTING
• c-CSA-us certified, meets UL 1598 and UL 8750, and UL Class 2 standards.
• RoHS, LM79, Energy Star pending and Lighting Facts compliant.
• Meets Title 24 (California) requirements.

REMODELING

Housing
• Listed for indoor, dry or wet locations.
• IC Airtight housings may be covered with insulation for energy conservation. Gasketed to prevent airflow through the housing from heating and cooling systems.
• Meets ASTM-5283 standards for airtight.

JUNCTION BOX
• c-CSA-us certified for through branch circuit wiring for 3½", 4" and 6" Apertures.

LED POWER SUPPLY DRIVER
• Constant current driver dimmable with electronic low voltage dimmers.
• High efficiency, high power factor, long life.
• Driver installed on junction box door for easy access below ceiling.
• Meets UL Class 2, FCC47CFR class B compliant.
• Thermally protected.

MOUNTING CLIPS
• Mounting clips secure housing and accommodates 1½" to ½" ceilings.

TRIMS
• Reflector and Round and Square Stepped Baffle trim options furnished with textured lens for soft diffused look.

LISTING
• c-CSA-us certified, meets UL 1598 and UL8750, and UL Class 2 standards.
• RoHS, LM79, Energy Star pending and Lighting Facts compliant.
• Meets Title 24 (California) requirements.

LED ENGINE
• LEDs provide consistent color in 3000K or 4000K options with high CRI.
• Advanced aluminum heat sink allows the LEDs to operate at high power for maximum light output and lifespan.
• 4" and 6" models have separate LED engine.

LE DEngInE
• LEDs provide consistent color in 3000K or 4000K options with high CRI.
• Advanced aluminum heat sink allows the LEDs to operate at high power for maximum light output and lifespan.
• Long lamp life of 50,000 hours at 70% of initial lumens.
• 4" and 6" models have separate LED engine.
Designed for New Construction applications, the LED 3 ½” Downlight is available in an 11W IC/Airtight and 14W Non-IC configuration. The IC/Airtight construction provides energy savings by reducing air flow through the ceiling. Non-IC housings must have at least 3” clearance from ceiling insulation. Both can be installed in either wet or dry locations. The 11W fixture produces equivalent light output to of a 35W MR16 or 13W CFL while the 14W fixture is compatible to a 65W BR30 or 26W CFL. Both may be dimmed with 120V electronic low voltage dimmer. Available with Step Baffle or Reflector trim option.

**FEATURES**
- Up to 670 lm from 14W.
- Advanced heat sink provides superior thermal management for 50,000 hours of operation with 70% lumen maintenance.
- Unique inner cell reflector provides precise beam control with reduced glare while the tempered glass lens diffuses the light output for a lamp like appearance.
- Galvanized housing painted black is adjustable for ceiling up to 1 ¾” thick.
- Mounting with 24” hanger bars accommodates both joist and T-Bar grid ceilings.
- Junction box has (5) ¼” knockouts with true pry-out slots and (4) knockouts with Romex cable clamps. Listed quick connectors provided for easy insulation.
- Wet Locations listed, no need for additional special trims.

### REFLECTOR TRIMS

<table>
<thead>
<tr>
<th>Model</th>
<th>Reflector</th>
<th>Trim</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLT-3501-HZ-WH</td>
<td>Haze</td>
<td>White</td>
</tr>
<tr>
<td>RLT-3501-WH-WH</td>
<td>White</td>
<td>White</td>
</tr>
</tbody>
</table>

Dimensions: 4 5/16” Ø

### STEP BAFFFLE TRIMS

<table>
<thead>
<tr>
<th>Model</th>
<th>Baffle</th>
<th>Trim</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLT-3502-BK-WH</td>
<td>Black</td>
<td>White</td>
</tr>
<tr>
<td>RLT-3502-WH-WH</td>
<td>White</td>
<td>White</td>
</tr>
</tbody>
</table>

Dimensions: 4 5/16” Ø

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**Specifications subject to change without notice.**
Designed for Remodeling applications, the 3½" LED Downlight is offered in an 11W IC/Airtight and 14W Non-IC configurations. The IC/Airtight construction provides energy savings by reducing air flow through the ceiling. Non-IC housings must have at least 3" clearance from ceiling insulation. Both can be installed in either wet or dry locations. The 11W fixture produces equivalent light output to a 35W MR16 or 13W CFL while the 14W fixture is compatible to a 65W BR30 or 26W CFL. Both may be dimmed with 120V electronic low voltage dimmer. Available with Step Baffle or Reflector trim option.

FEATURES
• Up to 670 lm from 14W.
• Advanced heat sink provides superior thermal management for 50,000 hours of operation with 70% lumen maintenance.
• Unique inner cell reflector provides precise beam control with reduced glare while the tempered glass lens diffuses the light output for a lamp like appearance.
• Galvanized housing painted black with 3 remodeling clips accommodates ceiling thickness between ½" – ¾”.
• Junction box has (5) ½” knockouts with true pry-out slots and (4) knockouts with Romex cable clamps. Listed quick connectors provided for easy insulation.
• Wet Locations listed, no need for additional special trims.
Designed for New Construction applications, the dedicated 4" LED Downlight housing and LED light engine is available in an IC/Airtight configuration providing energy savings by reducing air flow through the ceiling. The non-Edison screw base connector meets California Title-24 high efficiency luminaire requirements, and where required, can qualify as a high-efficiency luminaire. May be installed in either wet or dry locations with or without insulation. The luminaire produces equivalent light output to a 45W PAR16 and can be dimmed with 120V electronic low voltage dimmer. Available with either round or square Step Baffle or Reflector trims.

FEATURES
- Up to 488 lm from 10.4W.
- Advanced heat sink provides superior thermal management for 50,000 hours of operation with 70% lumen maintenance.
- Unique inner cell reflector provides precise beam control with reduced glare while the tempered glass lens diffuses the light output for a lamp like appearance.
- Single wall aluminum housing is gasketed for air tight applications can be adjusted for ceilings up to 1 ¼" thick.
- Mounting with 24" hanger bars accommodates both joist and T-Bar grid ceilings. Score lines allow “tool-less” shortening for 12" joist.
- Junction box has (5) ½” knockouts with true pry-out slots and (4) knockouts with Romex cable clamps. Listed quick connectors provided for easy insulation.
- Wet Locations listed, no need for additional special trims.
Designed for Remodeling applications, the dedicated 4" LED Downlight Housing and LED Light Engine is available in an IC/Airtight configuration providing energy savings by reducing air flow through the ceiling. The non-Edison screw base connector meets California Title-24 high efficiency luminaire requirements, and where required, can qualify as a high-efficiency luminaire. May be installed in either wet or dry locations with or without insulation. The luminaire produces equivalent light output to a 45W PAR16 and can be dimmed with 120V electronic low voltage dimmer. Available with either round or square Step Baffle or Reflector trims.

**FEATURES**

- Up to 488 lm from 10.4W.
- Advanced heat sink provides superior thermal management for 50,000 hours of operation with 70% lumen maintenance.
- Unique inner cell reflector provides precise beam control with reduced glare while the tempered glass lens diffuses the light output for a lamp like appearance.
- Single wall aluminum housing is gasketed for air tight applications with 3 remodeling clips can accommodate ceilings thickness between 1/2” – 3/4”.
- Junction box has (5) 1/2” knockouts with true pry-out slots and (4) knockouts with Romex cable clamps. Listed quick connectors provided for easy insulation.
- Wet Locations listed, no need for additional special trims.

---

### Specifications

**Model**

<table>
<thead>
<tr>
<th>Model</th>
<th>Watt</th>
<th>Construction</th>
<th>IC</th>
<th>CCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLH-40</td>
<td>10.4W</td>
<td>R Remodel</td>
<td>IC</td>
<td>3000K</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4000K</td>
</tr>
</tbody>
</table>

**Dimensions**

- 4 ⅛" W × 12" L × 5 ⅝" H
- Cutout: 4 ⅜" Ø

**Environment**

- Indoor, Dry, Wet

**Certifications**

- c- CSA-us, RoHS compliant, LM79, Energy Star pending, Lighting Facts, Title 24 (California)

*Dimmable with low voltage electronic dimming switches. Recommended dimmers: Lutron Nova T (Ntelv-300, Ntelv-600); Lutron Diva (Dvelv-300P, 303P).
*Measured at 3000K
*Other CCT available. Consult factory.
*With JESCO standard trims and integral lens.

Specifications subject to change without notice.

---

### Reflector Trims

<table>
<thead>
<tr>
<th>Model</th>
<th>Reflector</th>
<th>Trim</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLT-4001-HZ-WH</td>
<td>Haze</td>
<td>White</td>
</tr>
<tr>
<td>RLT-4001-WH-WH</td>
<td>White</td>
<td>White</td>
</tr>
</tbody>
</table>

Dimensions: 4 ⅞" Ø

---

### Step Baffle Trims

<table>
<thead>
<tr>
<th>Model</th>
<th>Baffle</th>
<th>Trim</th>
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<tbody>
<tr>
<td>RLT-4002-BK-WH</td>
<td>Black</td>
<td>White</td>
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<tr>
<td>RLT-4002-WH-WH</td>
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<td>White</td>
</tr>
</tbody>
</table>

Dimensions: 4 ⅞" Ø

---

### Square Step Baffle Trims

<table>
<thead>
<tr>
<th>Model</th>
<th>Baffle</th>
<th>Trim</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLT-4003-BK-WH</td>
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<td>White</td>
</tr>
<tr>
<td>RLT-4003-WH-WH</td>
<td>White</td>
<td>White</td>
</tr>
</tbody>
</table>

Dimensions: 4 ⅞" square
LED RECESSED DOWNLIGHTING • 6” APERTURE NEW CONSTRUCTION

Model | Watt | Construction | IC | CCT
--- | --- | --- | --- | ---
RLH-60 | 14.4W | N New | IC | 30 3000K
| 30W | N New | IC | 40 4000K

DESIGN AND PERFORMANCE

Designed for New Construction applications, the dedicated 6” LED Downlight Housing and LED Light Engine is available in a 14W IC/Airtight or 30W Non-IC configuration. The IC/Airtight construction provides energy savings by reducing air flow through the ceiling. Non-IC housing must have at least 3” clearance from ceiling insulation. Both can be installed in either dry or wet locations. The non-Edison screw base connector can qualify as a high-efficiency luminaire where required. The 14W luminaire produces equivalent light output to a 65W BR40 whereas the 30W version is comparable to a 100W PAR38. The 15W luminaire is dimmable with 120V electronic low voltage dimmer. The 30W luminaire is dimmable with a 0-10V dimmer. Available with either round or square Step Baffle or Reflector trims.

FEATURES

• Up to 1264 lm from 30W.
• Advanced heat sink provides superior thermal management for 50,000 hours of operation with 70% lumen maintenance.
• Unique inner cell reflector provides precise beam control with reduced glare while the tempered glass lens diffuses the light output for a lamp like appearance.
• Single wall aluminum housing is gasketed for air tight applications can be adjusted for ceilings up to 1 1/4” thick.
• Mounting with 24” hanger bars accommodates both joist and T-Bar grid ceilings. Score lines allow “tool-less” shortening for 12” joist.
• Junction box has (5) 1/2” knockouts with true pry-out slots and (4) knockouts with Romex cable clamps. Listed quick connectors provided for easy insulation.
• Wet Locations listed, no need for additional special trims.

REFLECTOR TRIMS

Model | Reflector | Trim
--- | --- | ---
RLT-6001-HZ-WH | Haze | White
RTL-6001-WH-WH | White | White

Dimensions: 7 1/8” Ø

STEP BAFFLE TRIMS

Model | Baffle | Trim
--- | --- | ---
RLT-6002-BK-WH | Black | White
RLT-6002-WH-WH | White | White

Dimensions: 6 7/8” square
Designed for Remodeling applications the dedicated 6" LED Downlight Housing and LED Light Engine is available in a 14W IC/Airtight and 30W Non-IC configurations. The IC/Airtight construction provides energy savings by reducing air flow through the ceiling. Non-IC housing requires at least 3" clearance from ceiling insulation. Both can be installed in either dry or wet locations. The non-Edison screw base connector can qualify as a high-efficiency luminaire where required. The 15W luminaire produces equivalent light output to a 65W BR40 while the 30W version is comparable to a 100W PAR38. The 15W luminaire is dimmable with 120V electronic low voltage dimmer. The 30W luminaire is dimmable with 0-10V dimmer. Available with either round or square Step Baffle or Reflector trim.

**FEATURES**

- Up to 1264 lm from 30W.
- Advanced heat sink provides superior thermal management for 50,000 hours of operation with 70% lumen maintenance.
- Unique inner cell reflector provides precise beam control with reduced glare while the tempered glass lens diffuses the light output for a lamp like appearance.
- Single wall aluminum housing is gasketed for air tight applications with 3 remodeling clips accommodates ceiling thickness between ½" – ¾".
- Junction box has (5) ½" knockouts with true pry-out slots and (4) knockouts with Romex cable clamps. Listed quick connectors provided for easy insulation.
- Wet Locations listed, no need for additional special trims.
JESCO Lighting’s line of specification-grade LED Downlight luminaries is available in 4", 6" and 8" apertures. Designed for non-iC rated New Construction ceilings, these downlights incorporate the latest in LED technology offering up to 1600 lm from 31W, less than half the wattage of traditional light sources with compatible light output. The universal input driver (120-277V AC) with a power factor >0.90 and 0-10V dimming provides the performance and savings in both energy and maintenance that designer and architects require to illuminate commercial and institutional buildings today.
17

LED POWER SUPPLY DRIVER
- Universal 120V - 277V AC constant current driver dimmable with 0-10V dimmers.
- High efficiency, high power factor, long life (50,000 hours).
- Driver installed on junction box door for easy access below ceiling.
- Meets UL Class 2, FCC47CFR class B compliant.

LED ENGINE
- LEDs provide consistent color (±200K) in 3000K or 4000K options with high CRI.
- Advanced aluminum heat sink allows the LEDs to operate at high power for maximum light output and lifespan.
- The 17W is equivalent to a PAR30 50W halogen lamp; the 26W version is equivalent to a standard PAR38 75W halogen lamp; the 35W is equivalent to a PAR38 90W halogen lamp.

JUNCTION BOX
- Ground wire provided on J-box.
- Listed quick connectors for easy snap-in wires provided.

HEAT SINK
- Die cast aluminum designed by simulation of heat distribution to reduce LED junction temperature for maintaining constant light output, color, and life of the solid state components.

LISTING
- c-CSA-us certified to the requirements of UL 1598 and UL 8750

MOUNTING CHANNEL BRACKET
- Commercial mounting kit provides up to 5" vertical adjustment, accommodating ½" EMT conduit.
- Optional HBC-24 bar hanger or lathing channels for T-bar grid or concealed spline ceilings are available.

TRIMS
- Reflector, Stepped Baffle and Self-Flanged Trims options (sold separately).
Designed for New Construction applications, the 4" specification-grade LED Downlight is available in a Non-IC configuration. Incorporating the latest LED technology, this 17W fixture produces equivalent light output to that of a 50W PAR20, R20 or PAR16 lamp providing both energy savings and low maintenance costs. These can be installed in either a wet or dry location but require at least 3" clearance from ceiling insulation. Dimming is achieved with a 0-10V dimmer. Available with Step Baffle, Reflector or Self-flanged trim options.

**FEATURES**

- **670 lm from 17W.**
- Advanced heat sink provides superior thermal management for 50,000 hours of operation with 70% lumen maintenance.
- Unique inner cell reflector provides precise beam control with reduced glare while the tempered glass lens diffuses the light output for a lamp like appearance.
- Butterfly style mounting brackets provide up to 6" vertical adjustment which can accommodate ½" EMT.
- Optional C-channel hanger bars for T-grid ceiling mounting.
- The junction box is listed for through branch wiring (maximum (8) No.18 AWG 90° C branch circuit conductors). There are (5) ½" knockouts with true pry-out slots and (4) knockouts with Romex cable clamps, ground wire on J-box and listed quick connectors provided for easy insulation.

### REFLECTOR TRIMS

<table>
<thead>
<tr>
<th>Model</th>
<th>Lens</th>
<th>Reflector</th>
<th>Trim</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLT-403-145-T-HZ</td>
<td>Textured</td>
<td>Haze</td>
<td>White</td>
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<tr>
<td>RLT-403-145-T-WH</td>
<td>Textured</td>
<td>White</td>
<td>White</td>
</tr>
</tbody>
</table>

Dimensions: 6 ⅝" Ø

### STEP BAFFLE TRIMS

<table>
<thead>
<tr>
<th>Model</th>
<th>Lens</th>
<th>Baffle</th>
<th>Trim</th>
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</thead>
<tbody>
<tr>
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Dimensions: 6 ⅝" Ø

### SELF FLANGE TRIMS

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<tr>
<th>Model</th>
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</thead>
<tbody>
<tr>
<td>RLT-403-199-T-HZ</td>
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<td>Haze</td>
</tr>
<tr>
<td>RLT-403-199-T-WH</td>
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</tr>
</tbody>
</table>

Dimensions: 5 ⅝" Ø
Designed for New Construction applications, the 6” specification-grade LED Downlight is available in both 24W and 31W non-IC configurations. Incorporating the latest LED technology, the 24W fixture produces equivalent light output to a 75W PAR30/BR40 or two 24W PL type CFL lamps, the 31W fixture is equivalent to a 100W PAR38 or two 31W PL type CFL lamps, providing both energy savings and low maintenance costs. These can be installed in either a wet or dry location but require at least 3” clearance from ceiling insulation. Dimming is achieved with a 0-10V dimmer. Available with Step Baffle, Reflector or Self-flanged trim options.

**FEATURES**
- 1,600 lm from 31W.
- Advanced heat sink provides superior thermal management for 50,000 hours of operation with 70% lumen maintenance.
- Unique inner cell reflector provides precise beam control with reduced glare while the tempered glass lens diffuses the light output for a lamp like appearance.
- Butterfly style mounting brackets provide up to 5” vertical adjustment which can accommodate ½” EMT.
- Optional C-channel hanger bars for T-grid ceiling mounting.
- The junction box is listed for through branch wiring (maximum (8) No.18 AWG 90° C branch circuit conductors). There are (5) ½” knockouts with true pry-out slots and (4) knockouts with Romex cable clamps, ground wire on J-box and listed quick connectors provided for easy insulation.

**REFLECTOR TRIMS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Lens</th>
<th>Reflector</th>
<th>Trim</th>
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<tbody>
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<tr>
<td>RLT-603-145-T-WH</td>
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<td>White</td>
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**Dimensions: 8” Ø**

**STEP BAFFLE TRIMS**

<table>
<thead>
<tr>
<th>Model</th>
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<th>Battle</th>
<th>Trim</th>
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</thead>
<tbody>
<tr>
<td>RLT-603-245-T-BK</td>
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<tr>
<td>RLT-603-245-T-WH</td>
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<td>White</td>
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</table>

**Dimensions: 8” Ø**

**SELF FLANGE TRIMS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Lens</th>
<th>Trim</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLT-603-199-T-HZ</td>
<td>Textured</td>
<td>Haze</td>
</tr>
<tr>
<td>RLT-603-199-T-WH</td>
<td>Textured</td>
<td>White</td>
</tr>
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</table>

**Dimensions: 7 ⅜” Ø**
Designed for New Construction applications, the 8" specification grade LED downlight is available in both 24W and 31W non-IC configuration. Incorporating the latest LED technology, the 24W fixture produces equivalent light output to a 75W PAR30/BR40 or two 26W PL type CFL lamps, the 31W fixture is equivalent to a 100W PAR38 or two 32W PL type CFL lamps providing both energy savings and low maintenance costs. They can be installed in either a wet or dry location but require at least 3" clearance from ceiling insulation. Dimming is achieved with a 0-10V dimmer. Available with Step Baffle, Reflector or Self-flanged trim options.

**FEATURES**

- 1,480 lm from 31W.
- Advanced heat sink provides superior thermal management for 50,000 hours of operation with 70% lumen maintenance.
- Unique inner cell reflector provides precise beam control with reduced glare while the tempered glass lens diffuses the light output for a lamp like appearance.
- Butterfly style mounting brackets provide up to 5" vertical adjustment which can accommodate 1/8" EMT.
- Optional C-channel hanger bars for T-grid ceiling mounting.
- The junction box is listed for through branch wiring (maximum (8) No.18 AWG 90°C branch circuit conductors). There are (5) 1/8" knockouts with true pry-out slots and (4) knockouts with Romex cable clamps, ground wire on J-box and listed quick connectors provided for easy insulation.

<table>
<thead>
<tr>
<th>Model</th>
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<th>CCT</th>
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<tbody>
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<td>RLH-8003UDM-26-G9</td>
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<tr>
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**REFLECTOR TRIMS**

<table>
<thead>
<tr>
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<th>Lens</th>
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<tr>
<td>RLT-803-140-T-HZ</td>
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**STEP BAFFLE TRIMS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Lens</th>
<th>Baffle</th>
<th>Trim</th>
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<tbody>
<tr>
<td>RLT-803-240-T-BK</td>
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<td>Black</td>
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<tr>
<td>RLT-803-240-T-WH</td>
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**SELF FLANGE TRIMS**

<table>
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<th>Model</th>
<th>Lens</th>
<th>Trim</th>
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</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>RLT-803-199-T-WH</td>
<td>Textured</td>
<td>White</td>
</tr>
</tbody>
</table>
LED MODULINEAR

Designed to integrate perfectly with modern contemporary architecture, JESCO’s LED MODULINEAR provides a visually clean geometric look for high-end residential, upscale retail, offices, hospitality applications such as restaurants, hotels, public spaces, as well as galleries and museums.

LED Modulinear, in 1- to 4-light configurations, comprises of Housings and LED Light Units. New Construction housings, with exceptional thermal management to ensure long operating life, are available in black or white finishes; with black, silver or white trim options. With a choice of narrow, medium and wide beam angles in 3000K and 4000K color temperatures, each Light Unit employs a high-performance long-life energy-saving 10W LED comparable to a PAR20 50W halogen lamp. Light Units have a dual-aim adjustment mechanism to direct light where needed, and include a snap-in glare reduction insert. Optional lens-holder for one or two lenses, such as alchroic color filters, frosted lenses, softening lenses, linear diffusers or prismatic diffusers, provides the ability to customize the desired look and output to meet specific lighting needs. Light Units are offered in black and white options.

LED Modulinears offer functional symmetrical lines of light, providing immediate and long-term energy and maintenance savings for residential, retail, commercial and institutional interiors.

For maximum customability and ease of maintenance Housing and LED Units are sold separately.

<table>
<thead>
<tr>
<th>To Order</th>
<th>Housing*</th>
<th>+ LED Unit**</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Light Modulinear</td>
<td>ML411HT</td>
<td>+ ML411LU</td>
</tr>
<tr>
<td>2-Light Modulinear</td>
<td>ML421HT</td>
<td>+ ML421LU</td>
</tr>
<tr>
<td>3-Light Modulinear</td>
<td>ML431HT</td>
<td>+ ML431LU</td>
</tr>
<tr>
<td>4-Light Modulinear</td>
<td>ML441HT</td>
<td>+ ML441LU</td>
</tr>
</tbody>
</table>

* See Housing ordering information
** See LED Unit ordering information

<table>
<thead>
<tr>
<th>ML4A-LENS1</th>
<th>Optional Lens Holder for 1 Lens Accessory ML4A-LENS2 Optional Lens Holder for 2 Lens Accessories</th>
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</thead>
<tbody>
<tr>
<td>LENS-16-LINR</td>
<td>Linear Diffuser</td>
</tr>
<tr>
<td>LENS-16-SOFT</td>
<td>Softening Diffuser (Solite)</td>
</tr>
<tr>
<td>LENS-16-PRIS</td>
<td>Prismatic Diffuser</td>
</tr>
<tr>
<td>LENS-16-FROS</td>
<td>Frosted Diffuser</td>
</tr>
<tr>
<td>RSCHB</td>
<td>C-Channel hanger bar. Set of Two 1 1/8” W x 25 1/8” L x 1/4” D</td>
</tr>
</tbody>
</table>

Shown without Glare Reduction Insert ML4A-GR
Snap-in, glare reduction insert ML4A-GR (Included with Light Unit)
Shown with installed Glare Reduction Insert ML4A-GR
**LED MODULINEAR • HOUSINGS**

A separate LED Light Unit comprises of light module and driver, simply fastens to the housing with setscrews. For ease of maintenance, the Light Unit is designed to be removable from below the housing. A UL Listed quick-connector provides power to the Light Unit.

Die-cast aluminum heat sink coupled with housing vent slots provides exceptional thermal management for long operating life. Thermal protection device safe guards against overheating and improper installation.

Specially designed J-box provides more space and easier access.

All recessed housings are designed to be installed with an overlap-flange trim for a clean, finished look.

### Housing Configuration

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Model</th>
<th>LED Unit</th>
<th>Housing</th>
<th>Housing Frame</th>
<th>Trim</th>
<th>Aperture</th>
<th>Cut-Out</th>
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</thead>
<tbody>
<tr>
<td>1-Light</td>
<td>ML411HT</td>
<td>(1) 10W</td>
<td>16&quot;</td>
<td>4 ¼&quot;</td>
<td>6&quot;</td>
<td>11 ½&quot;</td>
<td>6 ½&quot;</td>
</tr>
<tr>
<td>2-Light Linear</td>
<td>ML421HT</td>
<td>(2) 10W</td>
<td>20&quot;</td>
<td>4 ¼&quot;</td>
<td>6&quot;</td>
<td>15 ¼&quot;</td>
<td>6 ½&quot;</td>
</tr>
<tr>
<td>3-Light Linear</td>
<td>ML431HT</td>
<td>(3) 10W</td>
<td>24&quot;</td>
<td>4 ¼&quot;</td>
<td>6&quot;</td>
<td>19 ¼&quot;</td>
<td>6 ½&quot;</td>
</tr>
<tr>
<td>4-Light Linear</td>
<td>ML441HT</td>
<td>(4) 10W</td>
<td>28&quot;</td>
<td>4 ¼&quot;</td>
<td>6&quot;</td>
<td>23 ¼&quot;</td>
<td>6 ½&quot;</td>
</tr>
</tbody>
</table>

Order ML4 LED Unit Separately

---

**HOUSING ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Model</th>
<th># Modules</th>
<th>Input</th>
<th>Type</th>
<th>Trim Finish</th>
<th>Housing Finish</th>
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<tbody>
<tr>
<td>ML4</td>
<td>1</td>
<td>1 Light</td>
<td>HT Housing &amp; Trim</td>
<td>B Black</td>
<td>B Black</td>
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<td></td>
<td>2</td>
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<td>S Silver</td>
<td>W White</td>
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<tr>
<td></td>
<td>4</td>
<td>4 Lights</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Ordering Instructions**

To Order Specify: **Model, # of Modules, Input, Type, Trim Finish, Housing Finish**

Example: **ML431HT WB** (3 Lights Modulinear Housing, 120V, White Trim, Black Housing)

Complete specification/order information = Housing Unit + LED Lighting Unit

Example: **ML431HT WW with ML431LU 10 25 30 W**
Operates on 120V.

Highly energy efficient units consume 10W per module. Lumen output comparable to a 50W PAR20 lamp.

Light Units offered in narrow, medium or wide beam spreads, in 3000K and 4000K color temperatures.

Excellent color rendering with effective light levels.

For customability and ease of maintenance Housing and Trim Unit sold separately.

Environmentally friendly LEDs do not contain mercury or UV or IR rays.

Snap-in glare reduction insert, ML4A-GR, included.

State-of-the-art built-in drivers provide optimal performance.

365° rotation and 40° tilt eliminates dark spot and cut-off.

Optional Lens holder for 1 or 2 lens accessories (sold separately). See Accessories for detail.

ML431LU B LED Unit (Black) shown without Housing. Housings ordered separately.

<table>
<thead>
<tr>
<th>LED Unit Configuration</th>
<th>Model</th>
<th>Number of Modules</th>
<th>Input</th>
<th>Watt/Module</th>
<th>Beam</th>
<th>CCT</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Light</td>
<td>ML411U</td>
<td>1</td>
<td>120V</td>
<td>10W</td>
<td>12°</td>
<td>3000K</td>
<td>Black</td>
</tr>
<tr>
<td>2-Light Linear</td>
<td>ML421U</td>
<td>2</td>
<td>120V</td>
<td>10W</td>
<td>25°</td>
<td>4000K</td>
<td>White</td>
</tr>
<tr>
<td>3-Light Linear</td>
<td>ML431U</td>
<td>3</td>
<td>120V</td>
<td>10W</td>
<td>40°</td>
<td>4000K</td>
<td>Black</td>
</tr>
<tr>
<td>4-Light Linear</td>
<td>ML441U</td>
<td>4</td>
<td>120V</td>
<td>10W</td>
<td>40°</td>
<td>4000K</td>
<td>White</td>
</tr>
</tbody>
</table>

Order ML4 Housing Separately

LED UNIT ORDERING INFORMATION

To Order Specify: Model, # of Modules, Input, Type, Watt/Module, Beam Angle, CCT, Finish

Example: ML431LU 10 25 30 B (3 LED Light Modulinear Lighting Unit, 10W per Module, 25°, 3000K, Black)

Complete specification/order information = Housing Unit + LED Lighting Unit
Example: ML431HT WW with ML431LU 10 25 30 W
THE LED ADVANTAGE

3 ½" Aperture LED
- Watt: 10W
- CCT: 3000K
- Beam Angle: 50°
- Lamp Life: 50,000 hr
- Efficacy: 43 Lm/W

3" Aperture Low Voltage MR16
- Watt: 50W
- CCT: 2800K
- Beam Angle: 40°
- Lamp Life: 2500 hr
- Efficacy: 17 Lm/W

4" Aperture Incandescent PAR16
- Watt: 45W
- CCT: 2800K
- Beam Angle: 50°
- Lamp Life: 2500 hr
- Efficacy: 10 Lm/W

6" Aperture low voltage MR16
- Watt: 50W
- CCT: 2800K
- Beam Angle: 60°
- Lamp Life: 2500 hr
- Efficacy: 17 Lm/W
JESCO LIGHTING GROUP’s innovative eco-friendly products directly reduce energy and operating costs. Our new collection of Recessed Downlights incorporates the latest in LED technology, is ideal for use in a range of architectural, institutional, commercial, hospitality, retail and residential applications.

JESCO LED Recessed Downlights offer the following advantages:

- **Reduced energy consumption to meet required foot-candle levels, saving over 70% in energy costs.**
- **Long LED lamp life of 50,000 hours, at 70% initial lumen output, compared to 2,000 to 4,000 hour incandescent and halogen lamp life.**
- **JESCO LIGHTING’s new line of LED Downlights do not contain mercury as found in compact fluorescent or quartz halogen lamp sources or emit IR or UV rays. RoHS compliant.**
- **Increased LED fixture life eliminates regular lamp replacement and labor costs.**
- **Minimal heat emission in LED fixtures reduces air-conditioning needs.**
- **Architectural models are standard with 120-277V power supplies, offering additional savings.**
- **Standard dimming capabilities reduces output levels and increases LED average life, further reducing energy consumed.**
- **JESCO LED Recessed Downlights are offered in the most commonly used range of general lighting beam spreads of 50 to 65 degrees.**
- **Solutions in 3000K and 4000K color temperatures are designed to meet the broad needs of residential and commercial applications.**

For owners and designers who understand the value of converting to energy efficient products, the new Retrofit Module and JESCO LED Recessed Downlighting series offer tremendous advantages. Our broad range of products include Track Lighting, Monorail System; Modulinear Directional Lighting; an extensive selection of solutions for Display Lighting; Outdoor Lighting including LED Wall Washers; and Flexible Linear Lighting; all available in LED, Low Voltage, Metal Halide and Compact Fluorescent lamp sources.

The following comparison shows how an average retail store with 100 fixtures operating 14 hours a day per year at a cost of $0.128* per kWh saves on annual electricity, lamp replacement and maintenance costs by using LED Recessed fixtures compared to standard Incandescent fixtures.

### FIXTURE SUMMARY

<table>
<thead>
<tr>
<th>Feature</th>
<th>LED</th>
<th>INCANDESCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; Recessed Downlight IC Airtight</td>
<td>RLH6015</td>
<td>R3600BICA</td>
</tr>
<tr>
<td>With White Baffle Trim</td>
<td>RTL6001</td>
<td>TM609</td>
</tr>
<tr>
<td>Light Source Type</td>
<td>LED</td>
<td>75W BR30 Incandescent</td>
</tr>
<tr>
<td>Color Temperature</td>
<td>3000K</td>
<td>2800K</td>
</tr>
<tr>
<td>CRI</td>
<td>80</td>
<td>100</td>
</tr>
<tr>
<td>Wattage</td>
<td>14.4W</td>
<td>75W</td>
</tr>
<tr>
<td>Rated Life</td>
<td>50,000 Hrs</td>
<td>2,500 Hrs</td>
</tr>
<tr>
<td>Lumens</td>
<td>700 lm</td>
<td>702 lm</td>
</tr>
</tbody>
</table>

### OPERATING COST SUMMARY

#### ANNUAL ELECTRICITY COST

<table>
<thead>
<tr>
<th>Feature</th>
<th>LED</th>
<th>INCANDESCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wattage per lamp</td>
<td>14.4W</td>
<td>75W</td>
</tr>
<tr>
<td>14Hrs/Day X 365 Days (Per Year)</td>
<td>5110 hours per year</td>
<td>5110 hours per year</td>
</tr>
<tr>
<td>Total Hours X Watts Consumed</td>
<td>73,584 WH</td>
<td>383,250 WH</td>
</tr>
<tr>
<td>Total KW (Watts consumed/1,000)</td>
<td>73.58 KWH</td>
<td>383.25 KWH</td>
</tr>
<tr>
<td>Total Annual Cost at 0.128 per KWH per Fixture</td>
<td>$942</td>
<td>$49.06</td>
</tr>
<tr>
<td>Total Annual Electricity Cost for 100 Fixtures</td>
<td>$942</td>
<td>$4,906</td>
</tr>
</tbody>
</table>

#### ANNUAL LAMP REPLACEMENT COST

<table>
<thead>
<tr>
<th>Feature</th>
<th>LED</th>
<th>INCANDESCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lamp Replacement Requirements per year</td>
<td>None</td>
<td>2 Replacements per year</td>
</tr>
<tr>
<td>Estimated Replacement Lamp Cost</td>
<td>None</td>
<td>$2.86 ea</td>
</tr>
<tr>
<td>Total Replacement Lamp Cost</td>
<td>None</td>
<td>$5.72</td>
</tr>
<tr>
<td>100 Fixtures per store</td>
<td>None</td>
<td>$572</td>
</tr>
<tr>
<td>Labor Cost for Lamp Replacements</td>
<td>None</td>
<td>$833</td>
</tr>
<tr>
<td>100 lamps x 2x per yr x (labor cost of $125/hr + work rate of 30 lamps per hr)</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Total Lamp Replacement Cost</td>
<td>None</td>
<td>$1,405</td>
</tr>
</tbody>
</table>

#### ANNUAL SAVINGS

<table>
<thead>
<tr>
<th>Feature</th>
<th>LED</th>
<th>INCANDESCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electricity</td>
<td>$942</td>
<td>$4,906</td>
</tr>
<tr>
<td>Lamp Replacement Costs</td>
<td>$0</td>
<td>$1,405</td>
</tr>
<tr>
<td>Total Cost</td>
<td>$942</td>
<td>$6,011</td>
</tr>
<tr>
<td>Total Annual Savings</td>
<td>$5,069</td>
<td></td>
</tr>
</tbody>
</table>

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