

LIZON[®]

L I G H T I N G

AN **ema** LIGHTING GROUP COMPANY



PRACTICAL *LED* SOLUTIONS


TRACK LIGHTING, CABINET/DISPLAY LIGHTING
& 2", 4", 5", 6" RECESSED LIGHTING

 2nd EDITION

www.practicalLED.com

THE SUSTAINABLE CHOICE

LITON[®]

 Assembled in the U.S.A.
U.S. Assembled

THE SUSTAINABLE CHOICE

L.E.D.

THE SUSTAINABLE CHOICE

L.E.D. TECHNOLOGY PROVIDES A SUSTAINABLE SOLUTION FOR WORRY-FREE MAINTENANCE, ENERGY EFFICIENCY AND ENVIRONMENTAL FRIENDLINESS.

INTEGRATING THIS TECHNOLOGY, LITON'S SYSTEM REDUCES OVERALL COST OF OWNERSHIP:

LEDs OPERATE ON LESS **ENERGY** THAN STANDARD FIXTURES

NO LAMPS TO REPLACE OVER A LIFE OF 50,000 HOURS

LONG LIFE MEANS VIRTUALLY **NO** MAINTENANCE

NO MERCURY REDUCES LAMP RECYCLING COSTS

FIXTURES AVERAGE 27%

ENERGY SAVINGS OVER COMPARABLE CFL LUMINAIRES

50%

ENERGY SAVINGS OVER COMPARABLE HALOGEN LUMINAIRES



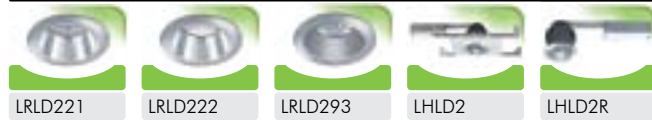
LTD TRACK SERIES Page 3



3" MINI-ARC Page 4



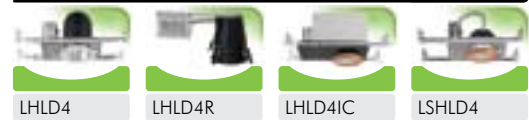
2" GENERAL PURPOSE TRIMS & HOUSINGS Page 6



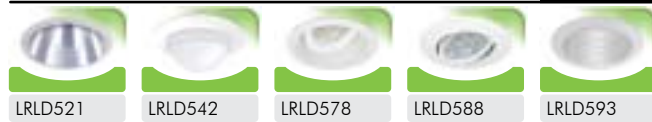
4" GENERAL PURPOSE TRIMS & HOUSINGS Page 7



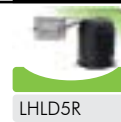
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5" GENERAL PURPOSE TRIMS & HOUSINGS Page 9



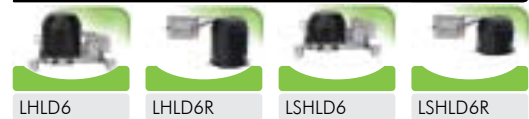
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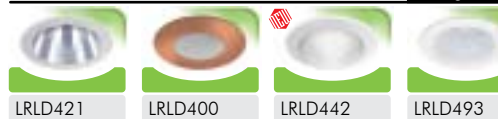
6" GENERAL PURPOSE TRIMS & HOUSINGS Page 11



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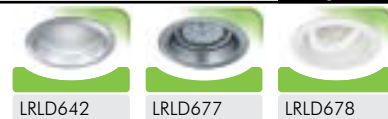
4" RETROFIT (120V/12V) Page 13



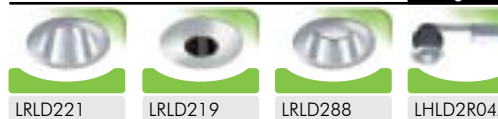
5" RETROFIT (120V) Page 13



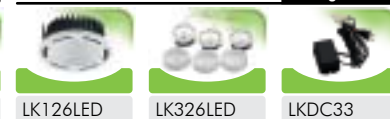
6" RETROFIT (120V) Page 14



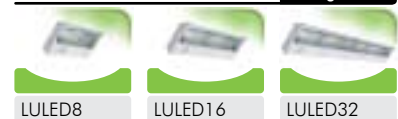
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LED TRACK LIGHTING

FEATURES:

- Glare-Free Optics
- Integral LED driver for 120 AC input (No Remote Driver Needed)
- Thermally maintained for optimal long life
- Utilizes Cree XLamp® technology (LTD70)
- Comes in multiple beam spreads and color temperatures

LTD50 L.E.D. Track Head



| | |
|-------------------------------------|--------------------------|
| LTD50: 620+ LUMENS | |
| COLOR RENDERING INDEX (CRI): | 80 |
| COLOR TEMPERATURE: | 3,000K or 4,000K |
| ESTIMATED LIFE (L70): | 35,000 hrs. |
| LAMP EQUIVALENTS: | 75W MR16, PAR30, 32W CFL |

L.E.D. 10W/15W

| LTD50 | WATTAGE | FINISH | BEAM SPREAD | COLOR TEMPERATURE |
|---------|---------|-------------------|--------------------------------|---|
| LTD5010 | :10W | B :Black | -B25 :Narrow Flood | Blank :Liton Standard (120V) |
| LTD5015 | :15W | W :White | -B45 :Flood | -2C2N :2 Circuit 2 Neutral (120V) |
| | | N :Natural | -B120 :Super Wide Flood | -3C1N :3 Circuit 1 Neutral (120V) |
| | | | | -2C2N-27 :2 Circuit 2 Neutral (277V) |
| | | | | -3C1N-27 :3 Circuit 1 Neutral (277V) |

Applications: Architecturally styled heads offer a fully enclosed lamp envelope to help capture any stray light release from back of the fixture. Their studio designs are a perfect compliment to any interior design.



LTD70 L.E.D. Aztec 16



| | |
|-------------------------------------|---------------------|
| LTD70: 360+ LUMENS | |
| COLOR RENDERING INDEX (CRI): | 80 |
| COLOR TEMPERATURE: | 3,000K |
| ESTIMATED LIFE (L70): | 45,000 hrs. |
| LAMP EQUIVALENTS: | 50W MR16, 50W PAR20 |

L.E.D. 9W

| LTD70 | Wattage | Finish |
|---------|---------|-----------------|
| LTD7009 | :9W | B :Black |
| | | W :White |

LTD80 Concealed L.E.D. Track Head



| | |
|-------------------------------------|------------------------|
| LTD80: 450+ LUMENS | |
| COLOR RENDERING INDEX (CRI): | 80 |
| COLOR TEMPERATURE: | 3,000K or 4,000K |
| ESTIMATED LIFE (L70): | 35,000 hrs. |
| LAMP EQUIVALENTS: | 50W MR16, PAR20, PAR30 |

L.E.D. 10W

| LTD80 | WATTAGE | FINISH | BEAM SPREAD | COLOR TEMPERATURE | DIMMING |
|---------|---------|-----------------|--------------------------------|-----------------------------------|----------------------------------|
| LTD8010 | :10W | B :Black | -B25 :Spot | Blank :Warm White (3000K) | -DLV :Dimming Low Voltage |
| | | W :White | -B45 :Flood | -NW :Neutral White (4000K) | |
| | | | -B120 :Super Wide Flood | | |



Lamp Included



3" RECESSED MINI-ARC L.E.D.

LUTRON® QUALIFIED FOR HI-LUME

APPLICATIONS:

- Ambient Lighting • High-end Residences • Restaurants
- Utility Spaces • Retail/Jewellery Display Casings and all others where small aperture high lumen downlights are needed.

FEATURES:

- Glare-Free 60° lamp/glare cut off
- Integral LED driver for 120/277V AC input
- Qualified Energy Star application
- Thermally maintained for 40,000 hours L70 life
- Patent Pending ExternaCOOL™ Cooling Mechanism

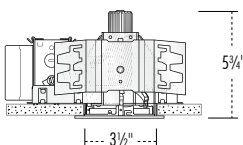
Applications: Architectural-grade recessed downlight housing for low to medium height ceilings and commercial installations • A variety of trims, compatible styles and finishes are available to achieve the proper décor and illumination.

Mounting: Housing suitable for new construction and remodel installations. Hanger bars optional • Accepts multiple hanger bar options for residential and commercial use • bat-wing hanger bar brackets adjusts vertically 3 1/4" for multiple ceiling types and accepts 1/2" EMT • Accepts HB24 adjustable hangers with nails for wood joists • 26" C-Channel Strut for T-bar ceilings and 27" adjustable linear hanger bars for plaster ceilings or wood/metal joists • Heavy duty 16-gauge, die-formed galvanized steel.

| | |
|-------------------------------------|---|
| LHBLD3: 360+ LUMENS | |
| COLOR RENDERING INDEX (CRI): | 80 |
| COLOR TEMPERATURE: | 3,000K |
| ESTIMATED LIFE (L70): | 9W: 40,000 hrs. |
| LAMP EQUIVALENTS: | 60W A19, 50W PAR20FL, 50W MR16FL, 18W CFL |

L.E.D. Driver: Electronic Direct Current L.E.D. driver integrally mounted on electric junction box.

LHBLD3
New Construction L.E.D. Housing



L.E.D. 9W

Power Connection: L.E.D. lamp array is replaceable via on board quick disconnect terminal.

Thermal Management: Heat dissipation facilitated by integral aluminum heat sink to maximize heat rejection in an open air environment.

| CATALOG # | WATTAGE | HOUSING OPTION | REFLECTOR FINISH | RING FINISH | RING OPTION | BEAM SPREAD |
|-------------------------------|-----------|---------------------------|------------------|-------------|--------------------------------|--------------------|
| LHBLD3 (New Construction) | 09C70 :9W | Blank :Standard 120V | /LR3L17 :Frosted | W :White | Blank :Flood Downlight | Blank :Flood |
| LHBLD3R (Remodel) | | UE :120/277V Input | :Clear | B :Black | -WL :Wet Location w/Clear Lens | -B30 :Narrow Flood |
| LHBLD3IC (Insulation Contact) | | -DLV :Low Voltage Dimming | /LR3L17W :White | N :Natural | -J20 :Fixed Wall Wash | -B60 :Wide Flood |
| | | -DHL :Hi-Lume 1% Dimming | /LR3L17B :Black | CO :Copper | | |
| | | | | MO :Mocha | | |



Lamp Included



Energy Star Qualified



GENERAL PURPOSE DOWNLIGHT FOR RESIDENTIAL & LIGHT COMMERCIAL

TRIMS TILT AND ROTATE FOR WALL WASHING, SLOPED CEILINGS AND PROPER DIRECTIONAL ACCENT LIGHTING

TILT



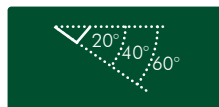
ROTATE



SLOPED



ACCENT



LRLD621
DEEP DOWNLIGHT



LRLD678
ADJUSTABLE GIMBAL



LRLD642
DECO GLASS

COLOR TEMPERATURE

Comes standard as 3,000K warm white light, 80+ CRI. 2700K and RGB available. Consult factory

SELECT YOUR BEAM SPREAD

Most trims come with your choice of Narrow Flood or Wide Flood options just like traditional PAR and MR lamps

L.E.D. LAMP EQUIVALENTS

offer a brilliant solution to the energy problem



4W=

20W MR16

10W=

50W MR16
50W PAR20
18W CFL

15W=

75W MR16
75W PAR30/PAR38
26W/32W CFL

CHOOSE YOUR HOUSING

DRIVER

Electronic Direct Current L.E.D. driver integrally mounted away from light source for cooler operation and user friendly modularity.

Available with:

- 120V AC
- 120V/277V AC
- Incandescent
- 2-Wire Dimming
- Low Voltage
- 3-Wire Dimming

Available in:

- New Construction
- Insulation Contact
- Remodel
- Shallow Mountings

AVAILABLE IN
2", 4", 5" & 6"

MEETS TITLE **24**

AND OTHER STANDARDS RESTRICTING USE OF BI-PIN & MEDIUM BASE SOCKETS

POWER CONNECTION

L.E.D. heat-sinked lamp module is replaceable via on board quick disconnect terminal. No tools required.

3 YEAR WARRANTY



Pre-wired housing adjusts to multiple ceiling thickness. Integral thermal protector to guard against improper lamping and installation.

CONSULT FACTORY FOR IES PHOTOMETRIC FILES

LRLD221 L.E.D. Reflector



L.E.D. 4W/6W

| Finish | | Beam Spread | |
|-------------------------------------|---|-------------|--------------|
| <input type="checkbox"/> | LRLD221W White | -B15 | Spot |
| <input checked="" type="checkbox"/> | LRLD221B Black Reflector/ White Ring | -B25 | Narrow Flood |
| <input checked="" type="checkbox"/> | LRLD221C Clear Reflector w/White Ring | -B45 | Flood |
| <input checked="" type="checkbox"/> | LRLD221N Natural "Raw" Metal | -B60 | Wide Flood |
| <input checked="" type="checkbox"/> | LRLD221CO Copper | | |
| <input checked="" type="checkbox"/> | LRLD221MO Mocha | | |
| <input checked="" type="checkbox"/> | LRLD221SN Satin Reflector/Natural Ring | | |

LRLD222 Wet Location L.E.D. Lens



L.E.D. 4W/6W

| Finish | | Beam Spread | |
|-------------------------------------|---|-------------|--------------|
| <input type="checkbox"/> | LRLD222W White | -B15 | Spot |
| <input checked="" type="checkbox"/> | LRLD222B Black Reflector/ White Ring | -B25 | Narrow Flood |
| <input checked="" type="checkbox"/> | LRLD222C Clear Reflector w/White Ring | -B45 | Flood |
| <input checked="" type="checkbox"/> | LRLD222N Natural "Raw" Metal | -B60 | Wide Flood |
| <input checked="" type="checkbox"/> | LRLD222CO Copper | | |
| <input checked="" type="checkbox"/> | LRLD222MO Mocha | | |
| <input checked="" type="checkbox"/> | LRLD222SN Satin Reflector/Natural Ring | | |

LRLD293 L.E.D. Baffle



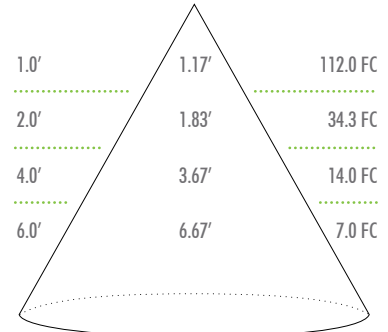
L.E.D. 4W/6W

| Finish | | Beam Spread | |
|-------------------------------------|-------------------------------------|-------------|--------------|
| <input type="checkbox"/> | LRLD293W White | -B15 | Spot |
| <input checked="" type="checkbox"/> | LRLD293B Black w/ White Ring | -B25 | Narrow Flood |
| <input checked="" type="checkbox"/> | LRLD293N Natural "Raw" Metal | -B45 | Flood |
| <input checked="" type="checkbox"/> | LRLD293CO Copper | -B60 | Wide Flood |
| <input checked="" type="checkbox"/> | LRLD293MO Mocha | | |

2-INCH L.E.D. • 4W

4W High Lumen (1 LED), 45 Deg. 3000K

HT (Ft) Beam Diameter Foot Candles



CONSULT FACTORY FOR LM79 IES PHOTOMETRIC FILES

Applications: General Purpose Energy Efficient recessed downlight housing for medium to high ceilings for residential and light commercial applications. A wide variety of popular trims and finishes are available to achieve the proper decor and illumination.

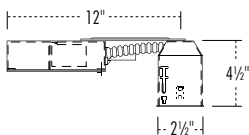
Housing: Pre-wired housing adjusts to multiple ceiling thickness
 • Integral thermal protector to guard against improper lamping and installation
 • Available in New Construction and Remodel Mountings.

Power Connection: L.E.D. heat sinked lamp module is replaceable via on board quick disconnect terminal • No tools required.

Driver: Electronic Direct Current L.E.D. driver integrally mounted away from light source for cooler operation, and user friendly modularity.

All items are ETL/cETL Listed and suitable for damp locations. Covered by a 3 year factory warranty

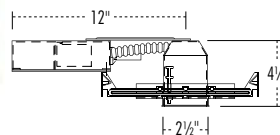
LHLD2R Remodel L.E.D. Housing



L.E.D. 4W/6W

| CATALOG # | WATTAGE |
|--------------------|---------|
| LHLD2R04C35 | 4W 120V |
| LHLD2R06C50 | 6W 120V |

LHLD2 Standard L.E.D. Housing



L.E.D. 4W/6W

| CATALOG # | WATTAGE |
|-------------------|---------|
| LHLD204C35 | 4W 120V |
| LHLD206C50 | 6W 120V |



LIGHTING DETAILS:

LRLD400: 10W 450+ LUMENS DELIVERED

| | |
|------------------------------|-----------------------|
| COLOR RENDERING INDEX (CRI): | 80 |
| COLOR TEMPERATURE: | 3,000K |
| ESTIMATED LIFE (L70): | 45,000 hr. |
| LAMP EQUIVALENTS: | 50W PAR20 50W MR16 |

CONSULT FACTORY FOR IES PHOTOMETRIC FILES

6 FOUR-INCH TRIM STYLES

WITH **100+** COMBINATIONS

LRLD421
Deep L.E.D. Reflector



L.E.D. 10W

| Reflector Finish | Ring Finish | Beam Spread |
|--|--------------------------------|------------------------|
| <input type="checkbox"/> LRLD421W White | <input type="checkbox"/> White | -B25 Spot |
| <input type="checkbox"/> LRLD421C Clear | B Black | -B45 Flood |
| <input type="checkbox"/> LRLD421S Satin Haze | N Natural | -B60 Wide Flood |

LRLD471
L.E.D. Wall Wash



L.E.D. 10W

| Finish | Beam Spread |
|---|------------------------|
| <input type="checkbox"/> LRLD471B Black | -B25 Spot |
| <input type="checkbox"/> LRLD471W White | -B45 Flood |
| | -B60 Wide Flood |

LRLD493
L.E.D. Baffle



L.E.D. 10W

| Baffle / Ring Finish * | Beam Spread |
|--|------------------------|
| <input type="checkbox"/> LRLD493W All White | -B25 Spot |
| <input type="checkbox"/> LRLD493BB All Black | -B45 Flood |
| <input type="checkbox"/> LRLD493N All Natural | -B60 Wide Flood |
| <input type="checkbox"/> LRLD493CO All Copper <i>new!</i> | |
| <input type="checkbox"/> LRLD493MO All Mocha <i>new!</i> | |
| <input type="checkbox"/> LRLD493B Black Baffle/ White Ring | |

* Finishes designated with "ALL" prior to the finish color come standard with a matching ring finish.

LRLD442
L.E.D. Deco Glass Dome



L.E.D. 10W

| Ring Finish | Beam Spread |
|---|------------------------|
| <input type="checkbox"/> LRLD442B Black | -B25 Spot |
| <input type="checkbox"/> LRLD442CO Copper | -B45 Flood |
| <input type="checkbox"/> LRLD442N Natural | -B60 Wide Flood |
| <input type="checkbox"/> LRLD442W White | |

LRLD401
Lensed Shower L.E.D. Trim

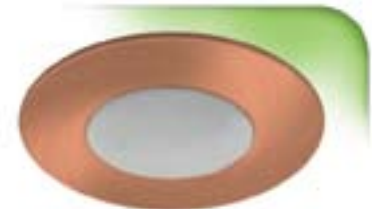


L.E.D. 10W

| Ring Finish * | Beam Spread |
|---|-------------------------------|
| <input type="checkbox"/> LRLD401B Black | -B25 Narrow Flood |
| <input type="checkbox"/> LRLD401CO Copper | -B40 Flood |
| <input type="checkbox"/> LRLD401N Natural | -B120 Super Wide Flood |
| <input type="checkbox"/> LRLD401W White | |

* Internal Reflector Finish is white.

LRLD400
Low Profile L.E.D. Trim



L.E.D. 10W

| Ring Finish | Beam Spread |
|---|-------------------------------|
| <input type="checkbox"/> LRLD400B Black | -B25 Narrow Flood |
| <input type="checkbox"/> LRLD400CO Copper | -B40 Flood |
| <input type="checkbox"/> LRLD400N Natural | -B120 Super Wide Flood |
| <input type="checkbox"/> LRLD400W White | |



Suitable for Sloped Ceiling



Die-Cast Construction



Not for Shallow Housing

Applications:

General Purpose Energy Efficient recessed downlight housing for medium to high ceilings for residential and light commercial applications. A wide variety of popular trims and finishes are available to achieve the proper decor and illumination.

Housing:

Pre-wired housing adjusts to multiple ceiling thickness. Integral thermal protector to guard against improper lamping and installation. Available in New Construction, Insulation Contact and Remodel Mountings.

Power Connection:

L.E.D. heat sinked lamp module is replaceable via on board quick disconnect terminal. No tools required.

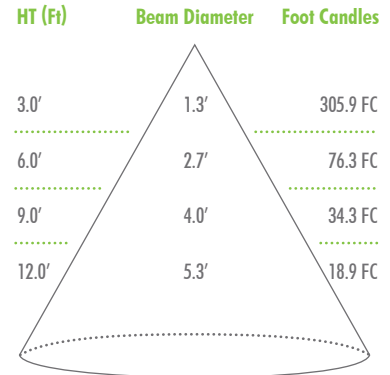
Driver:

Electronic Direct Current L.E.D. driver integrally mounted away from light source for cooler operation, and user friendly modularity. 120V Dimming and 120V/277V Universal AC input optional.

All items are ETL/cETL Listed and suitable for damp locations. Covered by a 3 year factory warranty.

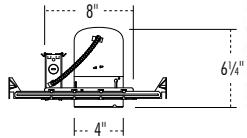
4-INCH L.E.D. • 4W/10W

LED, 10W (6 LED's), 25 Deg. Beam, 3000K



CONSULT FACTORY FOR LM79 IES PHOTOMETRIC FILES

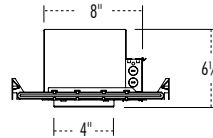
LHLD4 4" Standard L.E.D. Housing



L.E.D. 10W

| CATALOG # | WATTAGE | OPTIONS |
|------------|---------|--|
| LHLD410C50 | 10W | Blank: 120V Non-Dimming -DLV: Low Voltage Dimming UE: 120V/277V |

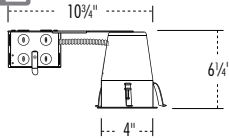
LHLD4IC 4" IC Double Wall L.E.D. Housing



L.E.D. 10W

| CATALOG # | WATTAGE | OPTIONS |
|--------------|---------|--|
| LHLD4IC10C50 | 10W | Blank: 120V Non-Dimming -DLV: Low Voltage Dimming UE: 120V/277V |

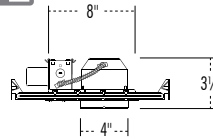
LHLD4R 4" Remodel L.E.D. Housing



L.E.D. 10W

| CATALOG # | WATTAGE | OPTIONS |
|-------------|---------|--|
| LHLD4R10C50 | 10W | Blank: 120V Non-Dimming -DLV: Low Voltage Dimming UE: 120V/277V |

LSHLD4 4" Shallow L.E.D. Housing



L.E.D. 10W

| CATALOG # | WATTAGE | OPTIONS |
|-------------|---------|--|
| LSHLD410C50 | 10W | Blank: 120V Non-Dimming -DLV: Low Voltage Dimming UE: 120V/277V |



Suitable for Sloped Ceiling



Airtight Energy Saving

5"

GENERAL PURPOSE L.E.D. TRIMS

LITON®

Assembled in the U.S.A.
U.S. Assembled

5" GENERAL PURPOSE L.E.D. TRIMS



4 FIVE-INCH TRIM STYLES

WITH

40+

COMBINATIONS

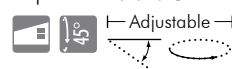
LRLD521
Deep L.E.D. Reflector



L.E.D. 10W/15W

| Reflector Finish | Beam Spread |
|--|--------------------------|
| <input type="checkbox"/> LRLD521C Clear | -B25 Narrow Flood |
| <input type="checkbox"/> LRLD521S Satin Haze | -B45 Flood |
| <input type="checkbox"/> LRLD521W White | -B60 Wide Flood |

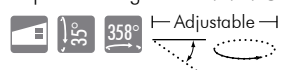
LRLD588
Adjustable L.E.D. Gimbal



L.E.D. 10W

| Finish | Beam Spread |
|---|-------------------------------|
| <input type="checkbox"/> LRLD588W White | -B25 Narrow Flood |
| <input type="checkbox"/> LRLD588B Black | -B45 Flood |
| <input type="checkbox"/> LRLD588N Natural | -B120 Super Wide Flood |

LRLD578
Adjustable Regressed L.E.D. Gimbal



L.E.D. 10W

| Finish | Beam Spread |
|---|-------------------------------|
| <input type="checkbox"/> LRLD578W White | -B25 Narrow Flood |
| <input type="checkbox"/> LRLD578BB Black | -B45 Flood |
| <input type="checkbox"/> LRLD578N Natural | -B120 Super Wide Flood |
| <input type="checkbox"/> LRLD578CO Copper | |

LRLD593
Deep Baffle



L.E.D. 10W/15W

| Finish | Beam Spread |
|---|--------------------------|
| <input type="checkbox"/> LRLD593W All White | -B25 Narrow Flood |
| <input type="checkbox"/> LRLD593B All Black | -B45 Flood |
| | -B60 Wide Flood |

LIGHTING DETAILS:

LRLD578: 10W 450+ LUMENS DELIVERED

| | |
|------------------------------|-----------------------|
| COLOR RENDERING INDEX (CRI): | 80 |
| COLOR TEMPERATURE: | 3,000K |
| ESTIMATED LIFE (L70): | 45,000 hr. |
| LAMP EQUIVALENTS: | 50W PAR20 50W MR16 |

CONSULT FACTORY FOR IES PHOTOMETRIC FILES

LRLD542
L.E.D. Deco Glass Dome



L.E.D. 10W/15W

| Ring Finish | |
|---|--|
| <input type="checkbox"/> LRLD542B Black | |
| <input type="checkbox"/> LRLD542CO Copper | |
| <input type="checkbox"/> LRLD542N Natural | |
| <input type="checkbox"/> LRLD542W White | |



Suitable for Sloped Ceiling



Die-Cast Construction

Applications:

General Purpose Energy Efficient recessed downlight housing for medium to high ceilings for residential and light commercial applications. A wide variety of popular trims and finishes are available to achieve the proper decor and illumination.

Housing:

Pre-wired housing adjusts to multiple ceiling thickness. Integral thermal protector to guard against improper lamping and installation. Available in New Construction, Insulation Contact and Remodel Mountings.

Power Connection:

L.E.D. heat sinked lamp module is replaceable via on board quick disconnect terminal. No tools required.

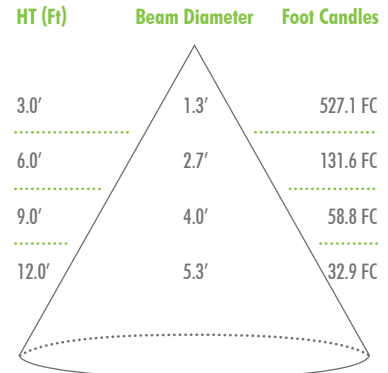
Driver:

Electronic Direct Current L.E.D. driver integrally mounted away from light source for cooler operation, and user friendly modularity. 120V Dimming and 120V/277V Universal AC input optional.

All items are ETL/cETL Listed and suitable for damp locations. Covered by a 3 year factory warranty.

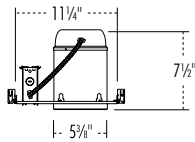
5-INCH L.E.D. • 10W/15W

LED, 15W (6 LED's), 25 Deg. Beam, 3000K



CONSULT FACTORY FOR LM79 IES PHOTOMETRIC FILES

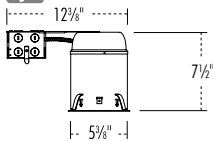
LHLD5 5" IC L.E.D. Housing



L.E.D. 10W/15W

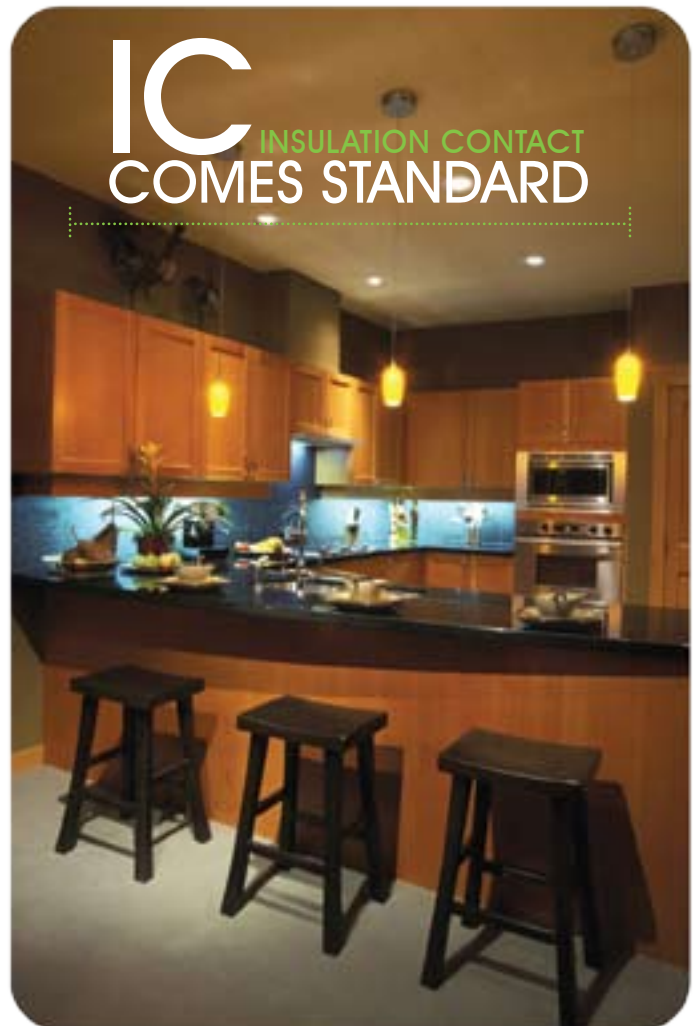
| CATALOG # | WATTAGE | OPTIONS |
|------------|---------|---------------------------------------|
| LHLD510C50 | 10W | Blank: 120V Non-Dimming |
| LHLD515C70 | 15W | -DLV: 120V Low Voltage Dimming |
| | | UE: 120V/277V |

LHLD5R 5" IC L.E.D. Remodel Housing



L.E.D. 10W/15W

| CATALOG # | WATTAGE | OPTIONS |
|-------------|---------|---------------------------------------|
| LHLD5R10C50 | 10W | Blank: 120V Non-Dimming |
| LHLD5R15C70 | 15W | -DLV: 120V Low Voltage Dimming |
| | | UE: 120V/277V |



6"

GENERAL PURPOSE L.E.D. TRIMS



Assembled in the U.S.A.
U.S. Assembled

6" GENERAL PURPOSE L.E.D. TRIMS

LED, 15W (6 LED's), 40 Deg. Beam, 3000K

| HT (Ft) | Beam Spread | Foot Candles |
|---------|-------------|--------------|
| 3.0' | 2.2' | 268.8 FC |
| 6.0' | 4.4' | 67.2 FC |
| 9.0' | 6.6' | 30.1 FC |
| 12.0' | 8.7' | 16.8 FC |



B25: Narrow Flood B40: Flood B60: Wide Flood

4 SIX-INCH TRIM STYLES WITH 100+ COMBINATIONS

LRLD693
Deep L.E.D. Baffle



L.E.D. 10W/15W

| Finish | Beam Spread |
|--|--------------------------|
| <input type="checkbox"/> LRLD693W All White | -B25 Narrow Flood |
| <input checked="" type="checkbox"/> LRLD693B Black Baffle/ White Ring | -B45 Flood |
| | -B60 Wide Flood |

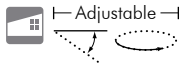
LRLD621
Deep L.E.D. Reflector



L.E.D. 10W/15W

| Reflector Finish | Beam Spread |
|---|--------------------------|
| <input type="checkbox"/> LRLD621W All White | -B25 Narrow Flood |
| <input checked="" type="checkbox"/> LRLD621B All Black | -B45 Flood |
| <input checked="" type="checkbox"/> LRLD621S Satin Reflector/ White Ring | -B60 Wide Flood |

LRLD678
Adjustable L.E.D. Gimbal



L.E.D. 10W/15W

| Finish | Beam Spread |
|---|-------------------------------|
| <input type="checkbox"/> LRLD678W White | -B25 Narrow Flood |
| <input checked="" type="checkbox"/> LRLD678BB Black | -B45 Flood |
| <input type="checkbox"/> LRLD678N Natural | -B120 Super Wide Flood |
| <input checked="" type="checkbox"/> LRLD678CO Copper | |

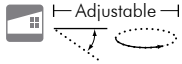
LRLD642
L.E.D. Decofrost Dome



L.E.D. 10W/15W

| Finish |
|--|
| <input checked="" type="checkbox"/> LRLD642BB Black Reflector/ Black Ring |
| <input checked="" type="checkbox"/> LRLD642C Clear Reflector/ White Ring |
| <input checked="" type="checkbox"/> LRLD642W White Reflector/ White Ring |

LRLD677
Open L.E.D. Heat Sink Gimbal



L.E.D. 10W/15W

| Finish | Beam Spread |
|---|--------------------------|
| <input type="checkbox"/> LRLD677W White | -B25 Narrow Flood |
| <input checked="" type="checkbox"/> LRLD677B Black | -B45 Flood |
| <input type="checkbox"/> LRLD677N Natural | -B60 Wide Flood |

LRLD671
L.E.D. Wall Wash



L.E.D. 10W/15W

| Finish |
|---|
| <input checked="" type="checkbox"/> LRLD671C Clear Reflector/ White Ring |
| <input checked="" type="checkbox"/> LRLD671W White Reflector/ White Ring |

LIGHTING DETAILS:

LRLD677: 10W 450+ LUMENS DELIVERED

| | |
|------------------------------|-----------------------|
| COLOR RENDERING INDEX (CRI): | 80 |
| COLOR TEMPERATURE: | 3,000K |
| ESTIMATED LIFE (L70): | 65,000 hr. |
| LAMP EQUIVALENTS: | 50W PAR20 50W MR16 |

CONSULT FACTORY FOR IES PHOTOMETRIC FILES

LRLD678: 15W 650+ LUMENS DELIVERED

| | |
|------------------------------|-------------------------------------|
| COLOR RENDERING INDEX (CRI): | 80 |
| COLOR TEMPERATURE: | 3,000K |
| ESTIMATED LIFE (L70): | 50,000 hr. |
| LAMP EQUIVALENTS: | 26W/32W CFL 75W PAR20 90W A19 |



Suitable for Sloped Ceiling



Not for Shallow Housing

Applications:

General Purpose Energy Efficient recessed downlight housing for medium to high ceilings for residential and light commercial applications. A wide variety of popular trims and finishes are available to achieve the proper decor and illumination.

Housing:

Pre-wired housing adjusts to multiple ceiling thickness. Integral thermal protector to guard against improper lamping and installation. Available in New Construction, Insulation Contact and Remodel Mountings.

Power Connection:

L.E.D. heat sinked lamp module is replaceable via on board quick disconnect terminal. No tools required.

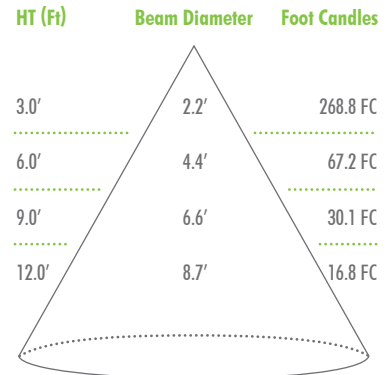
Driver:

Electronic Direct Current L.E.D. driver integrally mounted away from light source for cooler operation, and user friendly modularity. 120V Dimming and 120V/277V Universal AC input optional.

All items are ETL/cETL Listed and suitable for damp locations. Covered by a 3 year factory warranty.

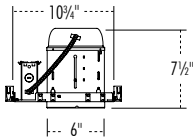
6-INCH L.E.D. • 10W/15W

LED, 15W (6 LED's), 40 Deg. Beam, 3000K



CONSULT FACTORY FOR LM79 IES PHOTOMETRIC FILES

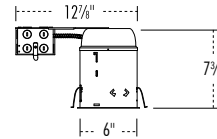
LHLD6 6" IC L.E.D. Housing



L.E.D. 10W/15W

| CATALOG # | WATTAGE | OPTIONS |
|------------|---------|--|
| LHLD610C50 | 10W | Blank: None |
| LHLD615C70 | 15W | -DLV: Low Voltage Dimming UE: 120V/277V |

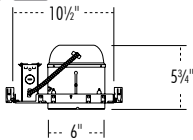
LHLD6R 6" IC Remodel L.E.D. Housing



L.E.D. 10W/15W

| CATALOG # | WATTAGE | OPTIONS |
|-------------|---------|--|
| LHLD6R10C50 | 10W | Blank: None |
| LHLD6R15C70 | 15W | -DLV: Low Voltage Dimming UE: 120V/277V |

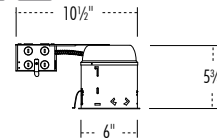
LSHLD6 6" Shallow Housing*



L.E.D. 10W/15W

| CATALOG # | WATTAGE | OPTIONS |
|-------------|---------|--|
| LSHLD610C50 | 10W | Blank: None |
| LSHLD615C70 | 15W | -DLV: Low Voltage Dimming UE: 120V/277V |

LSHLD6R 6" Remodel Shallow Housing*



L.E.D. 10W/15W

| CATALOG # | WATTAGE | OPTIONS |
|--------------|---------|--|
| LSHLD6R10C50 | 10W | Blank: None |
| LSHLD6R15C70 | 15W | -DLV: Low Voltage Dimming UE: 120V/277V |



Suitable for Sloped Ceiling



Airtight Energy Saving



Insulation Contact

*Not for Use with LRLD621 & LRLD693 Trims.

4"

L.E.D. RETROFIT TRIMS

RETROFIT
KITS AVAILABLE

LiTOn[®]

Assembled in the U.S.A.
U.S. Assembled

4" L.E.D. RETROFIT TRIMS

4" 120V RETROFIT

LH99



LRLD400
Low Profile L.E.D. Trim



L.E.D. 10W

| Ring Finish | Beam Spread | Retrofit |
|-------------------------|-------------------------------|---------------------------|
| LRLD400B Black | -B25 Narrow Flood | -R10V120: 10W 120V |
| LRLD400CO Copper | -B40 Flood | |
| LRLD400N Natural | -B120 Super Wide Flood | |
| LRLD400W White | | |

LRLD442
L.E.D. Deco Dome



L.E.D. 10W

| Baffle / Ring Finish * | Beam Spread | Retrofit |
|-----------------------------|------------------------|---------------------------|
| LRLD442W All White | -B25 Spot | -R10V120: 10W 120V |
| LRLD442B All Black | -B45 Flood | |
| LRLD442N All Natural | -B60 Wide Flood | |
| LRLD442CO All Copper | | |
| LRLD442MO All Mocha | | |

4" 12V RETROFIT

LH1499



LRLD400
Low Profile L.E.D. Trim



L.E.D. 10W

| Ring Finish | Beam Spread | Retrofit |
|-------------------------|-------------------------------|-------------------------|
| LRLD400B Black | -B25 Narrow Flood | -R10V12: 10W 12V |
| LRLD400CO Copper | -B40 Flood | |
| LRLD400N Natural | -B120 Super Wide Flood | |
| LRLD400W White | | |

LRLD442
L.E.D. Deco Dome



L.E.D. 10W

| Baffle / Ring Finish * | Beam Spread | Retrofit |
|-----------------------------|------------------------|-------------------------|
| LRLD442W All White | -B25 Spot | -R10V12: 10W 12V |
| LRLD442B All Black | -B45 Flood | |
| LRLD442N All Natural | -B60 Wide Flood | |
| LRLD442CO All Copper | | |
| LRLD442MO All Mocha | | |

LRLD421
Deep L.E.D. Reflector



L.E.D. 10W

| Reflector Finish | Beam Spread | Retrofit |
|----------------------------|------------------------|-------------------------|
| LRLD421W White | -B25 Spot | -R10V12: 10W 12V |
| LRLD421C Clear | -B45 Flood | |
| LRLD421S Satin Haze | -B60 Wide Flood | |

LRLD493
L.E.D. Baffle



L.E.D. 10W

| Baffle / Ring Finish * | Beam Spread | Retrofit |
|--|------------------------|-------------------------|
| LRLD493W All White | -B25 Spot | -R10V12: 10W 12V |
| LRLD493BB All Black | -B45 Flood | |
| LRLD493N All Natural | -B60 Wide Flood | |
| LRLD493CO All Copper | | |
| LRLD493MO All Mocha | | |
| LRLD493B Black Baffle/ White Ring | | |

* Finishes designated with "ALL" prior to the finish color come standard with a matching ring finish.

USE EXISTING 4" HOUSINGS

LH99

LH1499

LIGHTING DETAILS:
LRLD400: 10W 450+ LUMENS DELIVERED

COLOR RENDERING INDEX (CRI): 80

COLOR TEMPERATURE: 3 000K

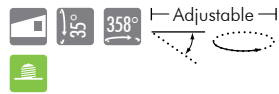
ESTIMATED LIFE (L70): 45,000 hr.

LAMP EQUIVALENTS: 50W PAR20
50W MR16

CONSULT FACTORY FOR IES PHOTOMETRIC FILES

5" 120V DIMMABLE RETROFIT LH5

LRLD578
Adjustable Regressed L.E.D. Gimbal



L.E.D. 10W

| Finish | Beam Spread | Retrofit Kit |
|-------------------------|--------------------------|-----------------------------|
| LRLD578W White | -B25 Narrow Flood | /LKL10V120: 120V 10W |
| LRLD578BB Black | -B45 Flood | |
| LRLD578N Natural | | |
| LRLD578CO Copper | | |

6" 120V DIMMABLE RETROFIT LH7

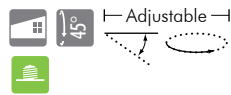
LRLD642
L.E.D. Decofrost Dome



L.E.D. 10W/15W

| Finish | Retrofit Kit |
|--|-----------------------------|
| LRLD642BB Black Reflector/ Black Ring | /LKL10V120: 120V 10W |
| LRLD642C Clear Reflector/ White Ring | /LKL15V120: 120V 15W |
| LRLD642W White Reflector/ White Ring | |

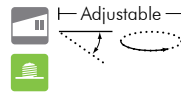
LRLD588
Adjustable L.E.D. Gimbal



L.E.D. 10W

| Finish | Beam Spread | Retrofit Kit |
|-------------------------|--------------------------|-----------------------------|
| LRLD588W White | -B25 Narrow Flood | /LKL10V120: 120V 10W |
| LRLD588B Black | -B45 Flood | |
| LRLD588N Natural | | |

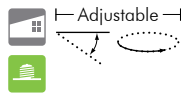
LRLD677
Open L.E.D. Heat Sink Gimbal



L.E.D. 10W/15W

| Reflector Finish | Beam Spread | Retrofit Kit |
|-------------------------|--------------------------|-----------------------------|
| LRLD677W White | -B25 Narrow Flood | /LKL10V120: 120V 10W |
| LRLD677B Black | -B45 Flood | /LKL15V120: 120V 15W |
| LRLD677N Natural | -B60 Wide Flood | |

LRLD678
Concealed L.E.D. Heat Sink Gimbal



L.E.D. 10W

| Reflector Finish | Beam Spread | Retrofit Kit |
|-------------------------|--------------------------|-----------------------------|
| LRLD678W White | -B25 Narrow Flood | /LKL10V120: 120V 10W |
| LRLD678BB Black | -B45 Flood | |
| LRLD678N Natural | -B60 Wide Flood | |
| LRLD678CO Copper | | |



**5-INCH AND 6-INCH
RETROFIT KITS
COME STANDARD
WITH ELECTRONIC
LOW VOLTAGE
DIMMING OPTION**



Suitable for Sloped Ceiling



Retrofit Kit Available

UNDERCABINET

MINI DOWNLIGHT & PUCKLIGHTS

LITON[®]

Assembled in the U.S.A.
U.S. Assembled

UNDERCABINET MINI DOWNLIGHT & PUCKLIGHTS

LRLD221
L.E.D. Reflector



L.E.D. 4W

Finish

- LRLD221W-04A** White
- LRLD221B-04A** Black Reflector/ White Ring
- LRLD221C-04A** Clear Reflector w/White Ring
- LRLD221N-04A** Natural "Raw" Metal
- LRLD221CO-04A** Copper
- LRLD221MO-04A** Mocha
- LRLD221SN-04A** Satin Reflector/Natural Ring

LRLD219
L.E.D. Pinhole



L.E.D. 4W

Finish

- LRLD219W-04A** White Pinhole/Black Reflector
- LRLD219B-04A** Black Pinhole/Black Reflector
- LRLD219CN-04A** Natural Pinhole/Clear Reflector
- LRLD219CW-04A** White Pinhole/Clear Reflector
- LRLD219N-04A** Natural "Raw" Metal Pinhole/Black Reflector

LRLD288
L.E.D. Gimbal

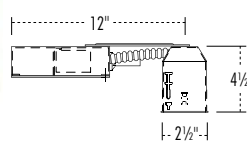


L.E.D. 4W

Finish

- LRLD222W-04A** All White
- LRLD222BB-04A** All Black

LHLD2R
Remodel L.E.D. Housing



L.E.D. 4W

CATALOG #

LHLD2R-04A

WATTAGE

Blank: 4W
-DLV: 4W Dimming



LK SERIES
PUCKLIGHTS

LK126LED
L.E.D. Mini Reflector w/lamp



L.E.D. 3W

Finish

- LK126LEDW** All White
- LK126LEDB** All Black

LKDC33
L.E.D. Puck Light Driver



L.E.D. 3 x 3W

Finish

- LKDC33W** White
- LKDC33B** Black



Die-Cast Construction



Lamp Included

LK326LED
L.E.D. Mini Downlight Kit



L.E.D. 3 x 3W

Finish

- LK326LEDW** White Kit
- LK326LEDB** Black Kit



LULED UNDER CABINET

FEATURES:

- Energy Star Qualified
- Integral LED driver for 120V AC input
- Convenient On/Off Switch Included
- Only 1" Depth
- Multiple 1/2" KO's for power input
- Semi Prismatic Glass Lens for smooth illumination

LULED8

8" 4W L.E.D. Under Cabinet



L.E.D. 4W

| LULED8 | LUMEN/WATTAGE | Finish |
|------------|---------------------------|-----------------|
| LULED8 04A | :4W 110 Lumens | Blank :White |
| 04A-DLV | :4W 110 Lumens (Dimmable) | Other :Consult* |
| 04C35 | :4W 200 Lumens | |

LIGHTING DETAILS:

Cat# LULED804C35

| | |
|------------------------------|---|
| COLOR RENDERING INDEX (CRI): | 85 |
| COLOR TEMPERATURE: | 3,500K |
| ESTIMATED LIFE (L70): | 45,000 hr. |
| LAMP EQUIVALENTS: | 2x20W T4 HALOGEN BI-PINS 9W T5 FLUORESCENT |

CONSULT FACTORY FOR IES PHOTOMETRIC FILES

LULED16

16" 8W L.E.D. Under Cabinet



L.E.D. 8W

| LULED16 | LUMEN/WATTAGE | Finish |
|-------------|--------------------------------|-----------------|
| LULED16 08A | :2x4W 180 Lumens | Blank :White |
| 08A-DLV | :2x4W 220 Lumens (Dimmable) | Other :Consult* |
| 08C35 | :2x4W 320 Lumens | |
| 08V12-ES | :2x4W 281 Lumens (Energy Star) | |

LIGHTING DETAILS:

Cat# LULED1608V12-ES

| | |
|------------------------------|---|
| COLOR RENDERING INDEX (CRI): | 85 |
| COLOR TEMPERATURE: | 3,500K |
| ESTIMATED LIFE (L70): | 45,000 hr. |
| LAMP EQUIVALENTS: | 3x20W T4 HALOGENS 13W T5 FLUORESCENT |

CONSULT FACTORY FOR IES PHOTOMETRIC FILES

LULED32

32" 16W L.E.D. Under Cabinet



L.E.D. 16W

| LULED32 | LUMEN/WATTAGE | Finish |
|-------------|-------------------------------|-----------------|
| LULED32 16A | :4x4W 390 Lumen | Blank :White |
| 16V12 | :4x4W 562 Lumen (Energy Star) | Other :Consult* |

LIGHTING DETAILS:

Cat# LULED3216V12-ES

| | |
|------------------------------|---|
| COLOR RENDERING INDEX (CRI): | 85 |
| COLOR TEMPERATURE: | 3,500K |
| ESTIMATED LIFE (L70): | 45,000 hr. |
| LAMP EQUIVALENTS: | 6x20W T4 HALOGENS 26W T5 FLUORESCENT |

CONSULT FACTORY FOR IES PHOTOMETRIC FILES

* White Only; Black, Copper, Natural available with extended lead times.



Lamp Included



Energy Star Qualified

APPLICATION DIMMING NOTE

"-DLV" OPTION CAN BE FOUND IN THE FOLLOWING SECTIONS

- UNDER CABINET "LULED" SERIES
- TRACK LIGHTING "LTD8" SERIES
- RECESSED LIGHTING "LHLD" SERIES
- UNDER CABINET "LK126LED" SERIES

Overview:

This guide to dimming LEDs answers typical questions encountered by LITON concerning LEDs "-DLV" dimmable applications.

What is L.E.D. Lighting?

LED lighting uses a driver to reduce the 120VAC line voltage to a low-voltage signal, usually 3VDC to 36VDC with or without constant current drive. This lower voltage is then used to power the LED.

Where is the driver located?

The driver is located away from the light source, usually on the JBOX.

Does dimming affect L.E.D.?

Dimming will not affect the already long life expectancy of the LED, it may actually increase life expectancy due to heat reduction on the LED.

Dimming L.E.D. drivers?

When dimming an LED, you are controlling the 120VAC input side of the driver that drives the LED light-engine.

Important:

"-DLV" fixtures are compatible with most electronic low voltage dimmers and some magnetic low voltage dimmers. See chart for factory qualified dimmers (reverse). These are available at all home center retailers or on the internet.

"-DLV" Dimmers should not be used with regular incandescent dimmers.

This will cause any combination of the following:

- dimmer buzz
- lamp flickering
- interaction between circuits
- radio frequency interference (RFI) which may even damage the dimmer.

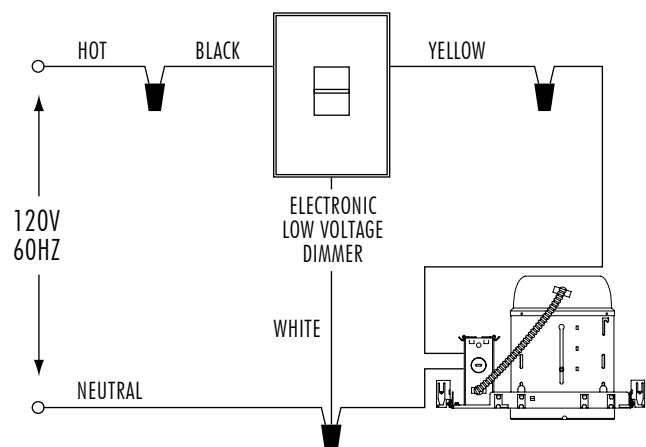
To eliminate these problems, use recommended electronic low voltage dimmers.

Note: Line voltage incandescent and low voltage fixtures can be mixed on the same circuit, but the correct low voltage dimmer (for the given low voltage load) must be used. The total load must not exceed the dimmers capacity. Do not mix magnetic transformers and "-DLV" fixtures on the same dimming circuit.

Wiring:

Typical wiring for electronic low voltage dimmers.

Note: All electronic low voltage dimmers require a neutral wire.



FACTORY QUALIFIED -DLV DIMMERS

"-DLV" OPTION CAN BE FOUND IN THE FOLLOWING SECTIONS

- UNDER CABINET "LULED" SERIES
- TRACK LIGHTING "LTD8" SERIES
- RECESSED LIGHTING "LHLD" SERIES
- UNDER CABINET "LK126LED" SERIES

LUTRON

| SERIES | MODEL | | POWER | AVG. PRICE | # OF 10W UNITS PER DIMMER |
|------------------|----------------------------|------------|-------|-------------|---------------------------|
| SKYLARK | Single Pole | SELV-300P | 300W | \$45-\$55 | 1-7 |
| | 3-Way | SELV-303P | 300W | \$50-\$60 | 1-7 |
| DIVA | Single Pole | DVELV-300P | 300W | \$80-\$100 | 1-7 |
| | Single Pole (Magnetic) | DVLV-600P | 600W | \$40-\$60 | 1-10 |
| | 3-Way | DVELV-303P | 300W | \$80-\$100 | 1-7 |
| MAESTRO | Single Pole | MAELV-600 | 600W | \$110-\$150 | 1-14 |
| NOVA | Single Pole | NELV-450 | 450W | \$80-\$85 | 1-10 |
| | Single Pole | NTELV-600 | 600W | \$150-\$200 | 1-14 |
| VIERTI™ | Single Pole/Multi-Location | VTELV-600 | 600W | \$180-\$220 | 1-14 |
| INTERFACE | Grafik Eye® | ELVI-1000 | | \$130-\$180 | 2 |
| | Grafik Eye® | PHPM-PA | | \$130-\$180 | 1 unit min. |
| | HomeWorks® | HW-RPM-4A | | \$130-\$180 | 1 unit min. |

LEVITON

| | | | | | |
|-------------------|------------------------|-----------|------|-------------|------|
| SURSLIDE | Single Pole | 6615-POW | 600W | \$20-\$30 | 1-14 |
| | 3-Way | 6615-POW | 600W | \$20-\$30 | 1-14 |
| VIZIA | Single Pole | VZE06-1LZ | 600W | \$90-\$150 | 1-14 |
| | Single Pole (Magnetic) | VZE06-1LZ | 600W | \$120-\$180 | 1-14 |
| | 3-Way | VZE06-1LZ | 600W | \$120-\$180 | 1-14 |
| ACENTI | Single Pole | ATEO-1LW | 400W | \$75-\$100 | 1-9 |
| | 3-Way | ATEO-1LW | 400W | \$75-\$100 | 1-9 |
| ILLUMATECH | Single Pole | IPE04 | 300W | \$40-\$70 | 1-7 |
| | 3-Way | IPE04 | 300W | \$40-\$70 | 1-7 |

WattStopper

| | | | | | |
|-------------|-------------|--------|------|-----------|------|
| MIRO | Single Pole | DCD267 | 600W | \$35-\$45 | 1-13 |
|-------------|-------------|--------|------|-----------|------|

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