

# 4"/6"/8" MELO CYLINDER LIGHT



## Modular design for endless possibilities

These models blend timeless aesthetics and high-performance COB LED to create pleasant, uniformly illuminated indoor environments.



The Melo Cylinder would greatly create possibilities in the whole commercial area. Multiple sizes, beam options , and high visual comfort COB LED. It is now available in pendant surface and wall mount configurations which offers a beautiful and achitectual cylinder solutions.

## TECHNICAL DATA

### Wattage

|        |             |
|--------|-------------|
| 4 inch | 25W/18W/12W |
| 6 inch | 40W/30W/20W |
| 8 inch | 58W/44W/29W |

**Beam Angle** 15°, 24°, 36°, 60°, 70°(for drop lens)

### CRI

|          |     |
|----------|-----|
| Standard | 80  |
| Optional | 90+ |

**CCT** 2700K, 3000K, 3500K, 4000K

### Driver

|          |                           |
|----------|---------------------------|
| Standard | 0-10V Dimming, dim to 10% |
| Optional | 0-10V Dimming, dim to 1%  |
| Optional | TRIAC Dimming             |

**Input Voltage** 120-277V, 50/60Hz

**Operating Temp.** -4°F to 77°F(-20°C to 25°C )

**Certifications** cULus conforms to UL Std. 1598  
Cert. to CSA Std. C22.2 No.250.0  
Suitable for damp locations  
RoHS compliant

**Power Factor** >0.9 at full load

**Harmonic Distortion** <20% at full load

**Projected Lifetime** L70 - 100,000 Hours

## FEATURES

- **Optical Performance:** COB LED chip with a standard CRI of 80+ and an optional high CRI of 90+, offering a selection of beam angles including 15°, 24°, 36°, 60° and 70°(for drop lens) .
- **Mounting Options:** Modular design with pendant, surface and wall mount.

## CANOPY OPTIONS

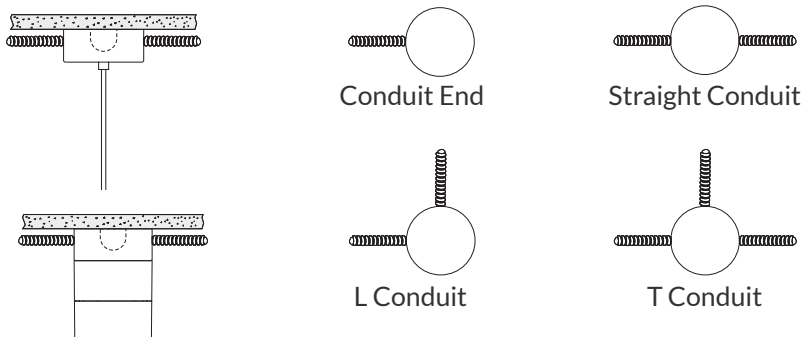
### Flat Canopy For Recessed J-box

If J-box is recessed (3" octagon, 4" octagon and 4" round ), a 4.5" flat canopy is provided for mounting to recessed junction box in white or black powder coat painted finish.

### Conduit Deep Canopy For Conduit surface J-box

If standard 4" octagonal J-box is surface mounted, a Ø5.97" round x 2.38" deep canopy with conduit cutout is provided for mounting. Conduit cutout canopy has 4 key slots, one in each side, and can be configured to accommodate any ceiling layout using 1/2" or 3/8" conduit. Conduit cutout canopy is provided white and black powder coat painted finish.

### Conduit Mounting Example



## MOUNTING

### Cable Pendant Mount

White/black cable is provided in length specified ( 4' standard ). Installers can cut the cable in the field to desired length.

#### Notes:

1. For 4", the cable and aircraft cable is combined in one pipe.
2. For 6" and 8", the cable and aircraft cable are separated.

### Stem Pendant Mount

Ø12/25" steel stem is provided in length specified ( 4' standard) and is provided in white or black finish.

Swivel design suitable for a sloped ceiling.

### Surface Mount

Surface mount to recessed or surface conduit junction box.

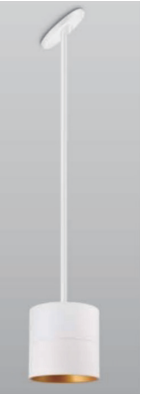
### Wall Mount

Wall mount to recessed junction box.

MOUNTING

Pendant Mount

For Recessed J-box



Cable Pendant 4"  
Cable Pendant 6" / 8"  
Stem Pendant  
Tilt up to 30°  
4" / 6" / 8"

For Conduit Surface J-box



Cable Pendant 4"  
Cable Pendant 6" / 8"  
Stem Pendant  
Tilt up to 30°  
4" / 6" / 8"

Surface Mount

For Recessed J-box



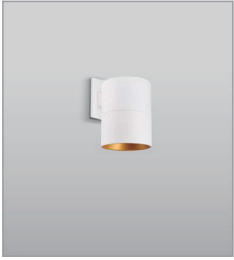
Surface Mount  
4" / 6" / 8"

For Conduit Surface J-box



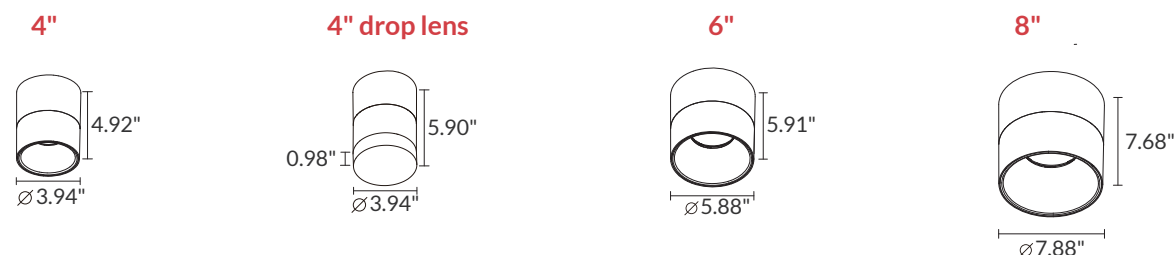
Surface Mount 4"   Surface Mount 6"   Surface Mount 8"

Wall Mount

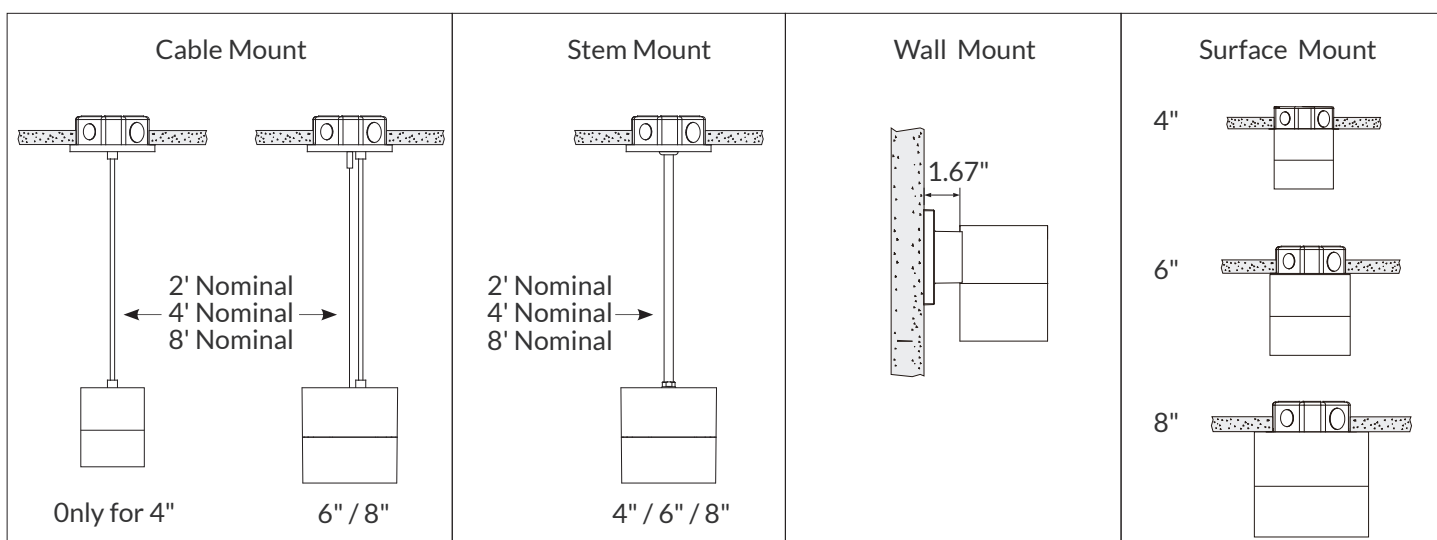


Wall Mount 4"   Wall Mount 6"   Wall Mount 8"

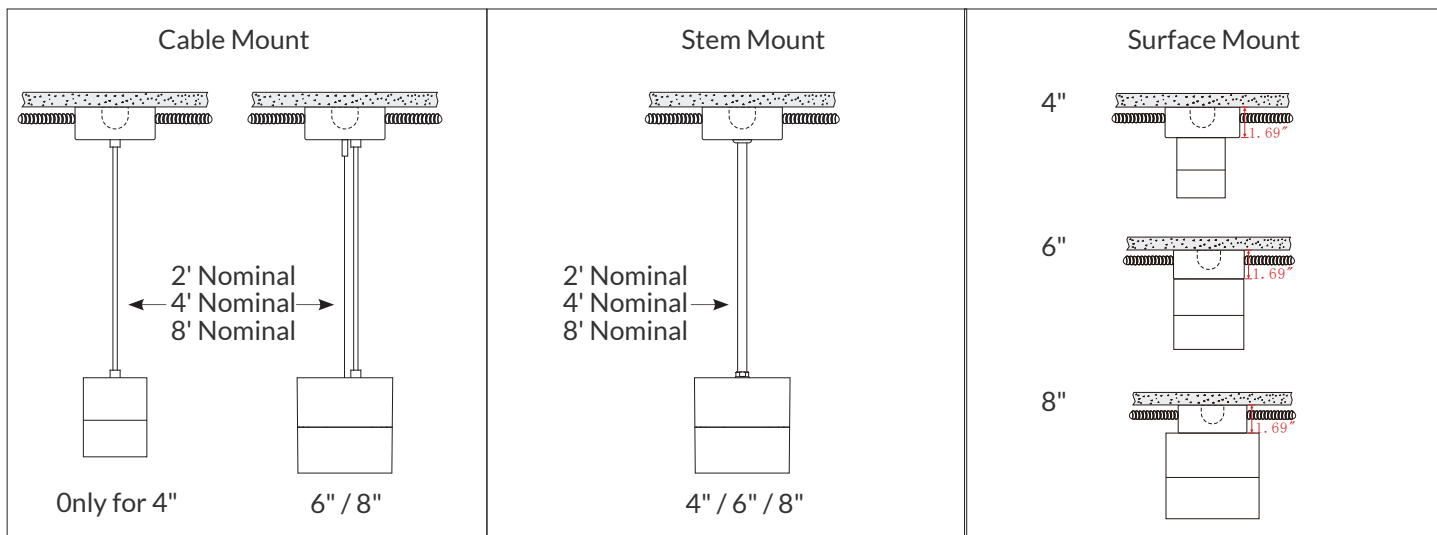
## DIMENSIONS



### For recessed J-boxes



### For conduit surface J-boxes



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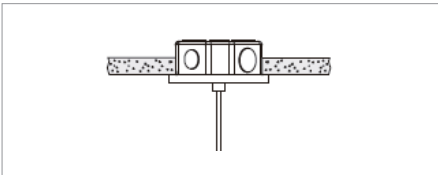
## ORDERING INFORMATION

EXAMPLE: MELO04R-SP30901-10D-36-WH-WH

| MELO                 |                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Series            | 2. Size                                                                                                                                                                                          | 3. Shape                                                                                                                                                                                                                                                                                                                                                                                           | 4. Power                                                                                                                                                                                                                                                                                                                                               | 5. CCT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. CRI                                                                                                                                                                                                                                 |
| MELO                 | <b>04</b><br>4 inch<br><br><b>06</b><br>6 inch<br><br><b>08</b><br>8 inch                                                                                                                        | <b>R</b><br>Round                                                                                                                                                                                                                                                                                                                                                                                  | <b>SP</b><br>Wattage<br>Selectable<br>25W/18W/12W<br>for 4inch<br>40W/30W/20W<br>for 6inch<br>58W/44W/29W<br>for 8inch<br><br><i>*Static wattages<br/>available.</i>                                                                                                                                                                                   | <b>27</b><br>2700K<br><br><b>30</b><br>3000K<br><br><b>35</b><br>3500K<br><br><b>40</b><br>4000K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>80</b><br>80+ CRI<br>(Standard)<br><br><b>90</b><br>90+ CRI<br>(Optional)                                                                                                                                                           |
|                      |                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                        |
| 7. Voltage           | 8. Dimming                                                                                                                                                                                       | 9. Installation                                                                                                                                                                                                                                                                                                                                                                                    | 10. Beam Angle                                                                                                                                                                                                                                                                                                                                         | 11. Baffle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 12. Finish                                                                                                                                                                                                                             |
| <b>1</b><br>120-277V | <b>10D</b><br>Standard<br>0-10V Dimming,<br>dim to 10%<br><br><b>01D</b><br>Optional<br>0-10V Dimming,<br>dim to 1% or<br>Triac Dimming<br><br><i>*Triac dimming<br/>only works at<br/>120V.</i> | <b>Blank</b><br>Surface mount<br>for recessed J-box<br><br><b>ACPMK</b><br>Aircraft Cable<br>Pendant Mount Kits<br><br><b>RPMK</b><br>Rod Pendant<br>Mount Kits<br><br><b>WM</b><br>Wall Mount<br><br><i>*Aircraft &amp; rod<br/>pendant mount<br/>and conduit surface<br/>mount need to order<br/>separate mount kits.<br/>Please refer to the<br/>following accessory<br/>table for details.</i> | <b>15</b><br>15° clear lens<br><br><b>24</b><br>24° clear lens<br><br><b>36</b><br>36° clear lens<br><br><b>60</b><br>60° clear lens<br><br><b>105</b><br>105° frosted lens<br><i>*105° frosted lens<br/>is only available for<br/>4 inch and 6 inch.</i><br><br><b>70</b><br>70° Drop Lens<br><br><i>*Drop lens is only<br/>available for 4 inch.</i> | <b>WH</b><br>White<br><br><br><b>BK</b><br>Black<br><br><br><b>GD</b><br>Golden<br><br><br><b>CM</b><br>Chrome<br><br><br><b>DL</b><br>Drop Lens<br>1 inch<br>thickness<br> | <b>WH</b><br>White<br><br><b>BK</b><br>Black<br><br><br><i>*White or black<br/>finish is standard.<br/>Custom color is<br/>available for a<br/>premium setup fee.<br/>Consult customer<br/>service for additional<br/>information.</i> |

## ACCESSORIES (ORDERED SEPARATELY AND FIELD INSTALLED)

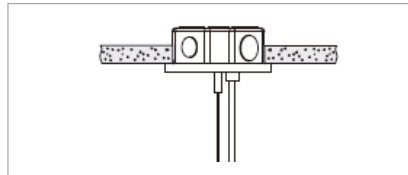
### For Recessed Junction Box



**MELO-PMK-AC-RM-4-4FT-WH**

**MELO-PMK-AC-RM-4-4FT-BK**

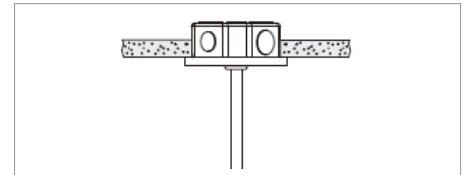
Aircraft cable mount for 4" MELO, 4ft long cable, (recessed junction box). WH is for white. BK is for black.



**MELO-PMK-AC-RM-6/8-4FT-WH**

**MELO-PMK-AC-RM-6/8-4FT-BK**

Aircraft cable mount for 6" and 8" MELO, 4ft long cable, (recessed junction box). WH is for white. BK is for black.

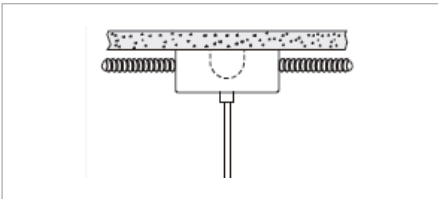


**MELO-PMK-RS-RM-4/6/8-4FT-WH**

**MELO-PMK-RS-RM-4/6/8-4FT-BK**

Rigid stem mount for 4"/6"/8" MELO, 4ft long stem, (recessed junction box). WH is for white. BK is for black.

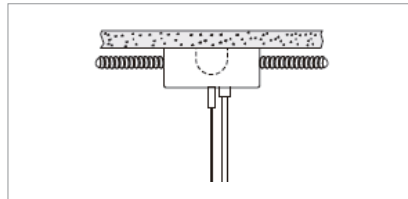
### For Conduit Surface Junction Box



**MELO-PMK-AC-SM-4-4FT-WH**

**MELO-PMK-AC-SM-4-4FT-BK**

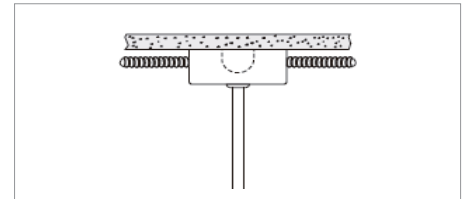
Aircraft cable mount for 4" MELO, 4ft long cable, (conduit surface junction box). WH is for white. BK is for black.



**MELO-PMK-AC-SM-6/8-4FT-WH**

**MELO-PMK-AC-SM-6/8-4FT-BK**

Aircraft cable mount for 6" and 8" MELO, 4ft long cable, (conduit surface junction box). WH is for white. BK is for black.



**MELO-PMK-RS-SM-4/6/8-4FT-WH**

**MELO-PMK-RS-SM-4/6/8-4FT-BK**

Rigid stem mount for 4"/6"/8" MELO, 4ft long stem, (conduit surface junction box). WH is for white. BK is for black.



**MELO-SMK-SM-SM-4/6/8-WH**

**MELO-SMK-SM-SM-4/6/8-BK**

Conduit surface mount kits for 4"/6"/8" MELO, (conduit surface junction box). WH is for white. BK is for black.

### Note:

4ft cable and rigid stem are standard. 2ft/8ft/12ft are available. Please contact Customer Service.

## ACCESSORIES (ORDERED SEPARATELY AND FIELD INSTALLED)



### AAL-EBU-AC08D-YYY

Remote 8W LED Emergency Battery Back-up 120-347VAC

### AAL-EBU-AC15D-YYY

Remote 15W LED Emergency Battery Back-up 120-347VAC

### AAL-EBU-AC25D-YYY

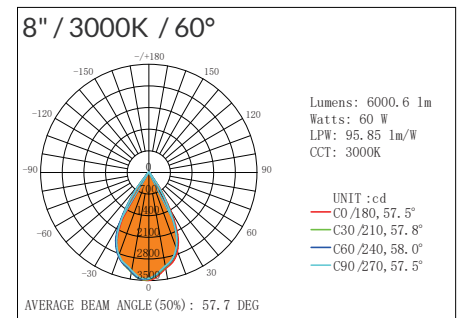
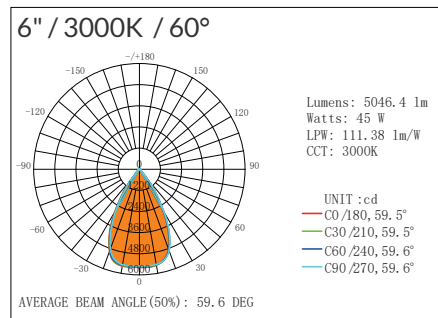
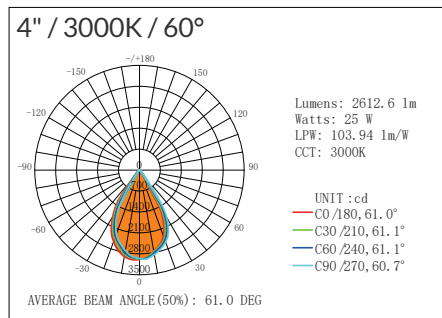
Remote 25W LED Emergency Battery Back-up 120-347VAC

### NOTE:

1. The 8W EBU supports up to 60W total lighting load, 15W EBU supports up to 100W total lighting load, while the 25W EBU supports up to 150W total lighting load.
2. The dimming control wire is optional when the combined power of all connected lights is lower than the EBU's rated power.
3. The dimming control wire must be connected when the total power of all connected lights exceeds the EBU's rated capacity.

## PHOTOMETRY

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%. Results may vary per actual order.



## PERFORMANCE DATA

Lumen values are measured by third party certified laboratories performed in accordance with IESNA LM-79-08 as well as Lighting Facts listed.

| Wattage                | 2700K             |                  | 3000K             |                  | 3500K             |                  | 4000K             |                  |
|------------------------|-------------------|------------------|-------------------|------------------|-------------------|------------------|-------------------|------------------|
|                        | Ra>80             | Ra>90            | Ra>80             | Ra>90            | Ra>80             | Ra>90            | Ra>80             | Ra>90            |
| 25W/18W/12W selectable | 2250lm<br>90lm/w  | 1900lm<br>76lm/w | 2375lm<br>95lm/w  | 2000lm<br>80lm/w | 2450lm<br>98lm/w  | 2050lm<br>82lm/w | 2500lm<br>100lm/w | 2100lm<br>84lm/w |
| 40W/30W/20W selectable | 4000lm<br>100lm/w | 3400lm<br>85lm/w | 4200lm<br>105lm/w | 3560lm<br>89lm/w | 4320lm<br>108lm/w | 3640lm<br>91lm/w | 4400lm<br>110lm/w | 3720lm<br>93lm/w |
| 58W/45W/30W selectable | 4930lm<br>85lm/w  | 4176lm<br>72lm/w | 5220lm<br>90lm/w  | 4408lm<br>76lm/w | 5394lm<br>93lm/w  | 4524lm<br>78lm/w | 5510lm<br>95lm/w  | 4640lm<br>80lm/w |

\*The above lumen outputs apply to highest wattage with white trim and 60° beam angle.

| Correlated Trim Color Multiplier | White Trim | Black Trim | Gold Trim | Chrome Trim |
|----------------------------------|------------|------------|-----------|-------------|
| Multiplier for Lumen Output      | 1          | 0.92       | 0.97      | 0.94        |

## DIMMER COMPATIBLE

0-10V Dimming (Dim to 10%)

| LEVITON DD710 | LUTRON MS-Z101 | LUTRON NTSTV-DV | LEGRAND RH4FBL3PTC | LUTRON DVSTV | LEVITON IP710 |
|---------------|----------------|-----------------|--------------------|--------------|---------------|
| ✓             | ✓              | ✓               | ✓                  | ✓            | ✓             |

0-10V Dimming (Dim to 1%)

| LEVITON DD710 | LUTRON MS-Z101 | LUTRON NTSTV-DV | LEGRAND RH4FBL3PTC | LUTRON DVSTV | LEVITON IP710 |
|---------------|----------------|-----------------|--------------------|--------------|---------------|
| ✗             | 4% below       | ✓               | ✓                  | ✓            | ✓             |

TRIAC Dimming

| DV600P | DVCL-153P | 6683 | DV603P | 6672 | S-600P | MSCL-DP153M | S-603P |
|--------|-----------|------|--------|------|--------|-------------|--------|
| ✓      | ✓         | ✓    | ✓      | ✗    | ✓      | ✓           | ✓      |

| LG-600P | TGCL-153DH | SCL-153P | 6674-LEVITON | CTCL-153P | CT-603PG |
|---------|------------|----------|--------------|-----------|----------|
| ✓       | ✓          | ✓        | ✓            | ✓         | ✓        |