# URC Lighting: LT-3100 Dimmer Parameters

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### URC Dimmer Parameters (URC Lighting Dimmer LT-3100)

Parameters refer to the number of tweakable settings that determine how a Z-Wave device functions. Depending on the device, you can adjust how the device performs.  Anything from LED color, to ramping rate, to associations (and many more) through its corresponding parameter.

And while each Z-Wave device has its own unique set of configuration parameters (its own fingerprint), similar devices will share parameters that control the same function.

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### Dimmer Parameters: URC Lighting Dimmer LT-3100

| Parameter | Name | Function | Min | Max | Default Value |
|---|---|---|---|---|---|
| 1 | **Dimming Speed** | How fast or slow the light adjusts when touching the Dim+ or Dim- button on the physically on the switch.<br><br>[0 = Instant /1 = 1 Second  to 100 = 100 Seconds] | 0 | 100 | 3 |
| 2 | **Dimming Speed Through MRX** | How fast or slow the light adjusts when adjusting the brightness level from a URC client through the MRX.<br><br>[0 = Instant /1 = 1 Second  to 100 = 100 Seconds / 101 = Keeps In Sync with Parameter 1] | 0 | 100 | 101 |

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| 3 | **Ramp Rate** | How fast the light goes from ON to OFF or OFF to ON when the physical on and off buttons are press on the switch.<br><br>[0 = Instant /1 = 1 Second to 100 = 100 Seconds / 101 = Keeps In Sync with Parameter 1] | 0 | 100 | 101 |
| 4 | **Ramp Rate Through MRX** | How fast the light goes from ON to OFF or OFF to ON when adjusted from a URC client through the MRX.<br><br>[0 = Instant /1 = 1 Second to 100 = 100 Seconds / 101 = Keeps In Sync with Parameter 1] | 0 | 100 | 101 |
| 5 | **Minimum Dim Level** | Minimum Dim Level the light will adjust to before turning OFF.<br><br>[1 = 1% to 45 = 45%] | 1 | 45 | 10 |
| 6 | **Maximum Dim Level** | Maximum Dim Level is the highest a user can adjust the brightness to.<br><br>[55 = 55% to 99 = 99% / NOTE: Z-Wave only goes up to 99% and NOT 100%] | 55 | 99 | 99 |

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| 8 | **Auto Off Timer** | Automatically turns the dimmer / lighting load OFF after a certain time after from when it was turned ON.<br><br>[0 = Disabled / 1- 1 Second / 32767 = 32767 Seconds] | 0 | 32,767 | 0 |
| 9 | **Default Power ON State (Through Local)** | Default level the Light will turned ON to when controlled from the physical switch.<br><br>[0 = Previous Light Level / 1 = 1% to 99 = 99% / NOTE: Z-Wave only goes up to 99% and NOT 100% | 0 | 99 | 0 |
| 10 | **Default Power ON State (Through MRX)** | Default level the Light will turned ON to when controlled from a URC client through the MRX.<br><br>[0 = Previous Light Level / 1 = 1% to 99 = 99% / NOTE: Z-Wave only goes up to 99% and NOT 100% | 0 | 99 | 0 |
| 11 | **Power On State** | When power is restored to the light from a power outage, the light will either Turn ON to a specific level, Turn OFF, or Revert to its Last Level before the power outage.<br><br>[0 = OFF / 1 to 99 = 1% to 99% / 101 = Previous State before Power Outage] | 0 | 99 | 101 |

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| 12 | **Association Behavior** | When should the dimmer send commands to associated devices.<br><br>[01 = Local / 02 = 3-Way / 03 = 3-Way & Local / 04 = Z-Wave Hub / 05 = Z-Wave Hub & Local / 06 = Z-Wave Hub & 3-Way / 07 = Z-Wave Hub & Local & 3-Way / 08 = Timer / 09 = Timer & Local / 10 = Timer & 3-Way / 11 = Timer & 3-Way & Local / 12= Timer & Z-Wave Hub / 13 = Timer & Z-Wave Hub & Local / 14 = Timer & Z-Wave Hub & 3 - Way / 15 = All | 01 | 15 | 15 |
| 13 | **LED Indicator Color** | This will set the default color of the LED bar on the Light Switch.<br><br>[Use the URC Tool to Determine Color Value] | 0 | 255 | 170 |
| 14 | **LED Indicator Intensity** | This will set the intensity of the LED bar on the Light Switch when the Light is ON.<br><br>[Use the URC Tool to Determine Brightness Level / 0= OFF / 1 = Low to 10 = Max] | 0 | 10 | 5 |

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| 15 | **LED Indicator Intensity When Light is Off** | This will set the intensity of the LED bar on the Light Switch when the Light is OFF.<br><br>[Use the URC Tool to Determine Brightness Level / 0= OFF / 1 = Low to 10 = Max] | 0 | 10 | 1 |
| 16 | **LED Indicator Effect [Notification]** | This will allow the LED bar on the switch to perform different effects as a Notification. These 'Effects' can be programmed within a macro in the programming software. This parameter can be used to try out the effect.<br><br>[Use the URC Tool to Determine Color Value / Brightness / Effect / Duration] | Use URC Tool | Use URC Tool | 0 |
| 17 | **LED Indicator Time Out** | Changes the amount of time the LED Bar shows the light level change if the LED has been disabled.<br><br>[NOTE: When Parameter 14 is set 0 (Off) it is considered LED as disabled.]<br><br>[0 = Always Off / 1 = 1 Second after Light was adjusted / 10 = 10 Seconds after Light was Adjusted] | 0 | 10 | 3 |

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| 18 | **Active Power Reports** | When the power level changes greater or less than the assigned value a new power report is sent.<br><br>[0 = Disabled / 1 = 1%  to 100 = 100% Power Change from Previous Report] | 0 | 100 | 10 |
| 19 | **Periodic Power & Energy Reports** | Time period between consecutive power and energy reports being sent.<br><br>[0 = 0 Seconds to 32767 = 32767 Seconds] | 0 | 32,767 | 3600 |
| 20 | **Energy Reports** | When the energy level changes greater or less than the assigned value a new energy report is sent.<br><br>[0 = Disabled / 1 = 1%  to 100 = 100% Energy Change from Previous Report] | 0 | 100 | 10 |
| 21 | **AC Power Type** | AC Power Type will define if the light is controlling a Neutral or Non- Neutral Load<br><br>[0 = Non-Neutral / 1 = Neutral] | 0 | 1 | 1 |

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| 22 | **Switch Type** | Type of Installation.<br><br>[0 = Single Pole / 1 = Multi-Switch (Dumb Switch) / 2 = Multi Switch (Auxiliary Switch)] | 0 | 2 | 0 |
| 50 | **Delay Adjustment** | This allows the adjustment time for how quickly the Dimmer will react to a button paddle press. A longer delay time is useful when utilizing multi-tap for scene controlling, it gives the user some time to multi-tap the dimmer. Lower time settings will require the user to multi-tap for scene controller much quicker.<br><br>[1 = 100ms / 2 = 200ms / 3 = 300ms to 9 = 900ms] | 1 | 9 | 7 |
| 51 | **Instant On** | There is a built in delay when pressing the button paddle. This delay allows for multi-tap scene control. When Delay is ON then the value assigned to Parameter 50 will apply. If there is no delay then Parameter 50 is ignored and the button press reaction for the paddle press will be instant.<br><br>[0 = No Delay / 1 = Delay] | 0 | 1 | 1 |

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| 52 | **Smart Bulb Mode** | This will put the Dimmer into SMART BULB mode, which turns on the Dimmer and disables local control.<br><br>[0 = Normal Operation / 1 = ON/OFF Switch Mode / 2= Smart Bulb Mode] | 0 | 2 | 0 |

**Additional Information & Resources:**

Please refer to the section on **URC Lighting** for additional information using URC Lighting in Accelerator 3.

Please refer to the article **URC Switch (LT-3200) Parameters** for additional information on setting device parameters.

Please refer to the article **URC Dimmer/Switch (LT-3300) Parameters** for additional information on setting device parameters.

Please refer to the article **URC Dimmer/Switch (LT-3300) Specifications** for additional information for this device.

Please refer to the article **LT-3300 Single Pole Connection Examples** for additional information for this device.

Please refer to the article **LT-3300 3-Way Connection Examples** for additional information for this device.

To learn more about Accelerator 3 configuration and programming, please see the Accelerator 3 online **Programming Guide**.