

# BlueDiamond Reader LED behaviors when used with WIU

Last Modified on 10/06/2022 4:18 am EDT

## Question

What are the expected behaviors of the LEDs on BlueDiamond and BlueDiamond T readers when used with a Wiegand Interface Unit (WIU)?

## Answer

Refer to the below chart for LED behaviors depending on the readers mode and state.

### LNL-3300-M5

No	Description	LNL-1380-8RP		LNL-1320-2RP	LNL-1320-S2RP	LNL-1320-S3
		SF2F	WIU-4 to Wiegandt	SF2F	SF2F	SF2F
1	Card and Pin – Normal State	Solid Blue	Solid Blue	Solid Blue	Solid Blue	Solid Blue
2	Card only – Normal State	Solid Blue	Solid Blue	Solid Blue	Solid Blue	Solid Blue
3	Pin or Card – Normal State	Solid Blue	Solid Blue	Solid Blue	Solid Blue	Solid Blue
4	Facility Code Only – Normal State	Solid Blue	Solid Blue	Solid Blue	Solid Blue	Solid Blue

5	Locked	Solid Blue	Solid Blue	Solid Blue	Solid Blue	Solid Blue
6	Unlocked	Solid Green	Solid Green	Solid Green	Solid Green	Solid Green
7	Access Granted	Yellow Flash to Solid Green	Solid Green	Yellow Flash to Solid Green	Yellow Flash to Solid Green	Yellow Flash to Solid Green
8	Access Denied	Solid Yellow for 1 sec	Green and Blue – Alternating for 3 sec	Solid Yellow for 1 sec	Solid Yellow for 1 sec	Solid Yellow for 1 sec
9	waiting for PIN <sup>‡</sup>	<sup>2</sup> Solid Yellow for 1 sec	<sup>2</sup> Green and Blue – Alternating for 3 sec	<sup>3</sup> Solid Yellow for 3 sec	<sup>3</sup> Solid Yellow for 3 sec	<sup>3</sup> Solid Yellow for 3 sec

<sup>2</sup> BD reader and T reader have same behavior

<sup>3</sup> BD readers only

‡ Mercury Need to change firmware for LNL-1380-8RP, LNL-1320-2RP, LNL-1320-S2RP and LNL-1320-S3

† Wiegand T525SW,

BD reader-F/2F enabled (Dev36),

BD reader-not F/2F enabled

## Applies To

M Series Hardware

## Additional Information

- OnGuard: Version 7.4.457.69
- LNL-3300-M5: Firmware 1.256
- LNL-1380-8RP: Firmware 1.57.14
- LNL-1320-2RP: Firmware 1.57.15

- LNL-1320-S2RP: Firmware 1.57.15
  - LNL-1320-S3: Firmware 3.20.4
-