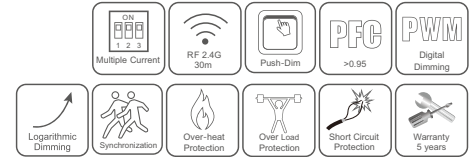
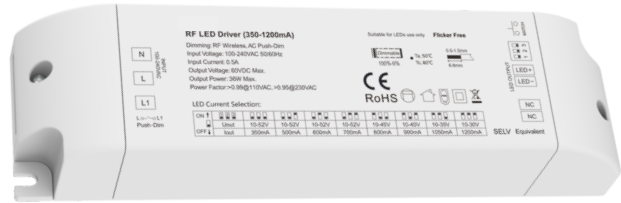


## RF Constant Current LED Driver - 65316

### Features

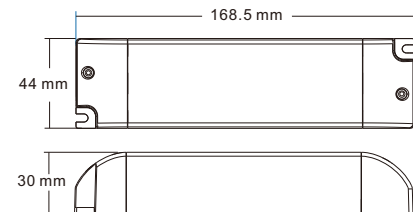
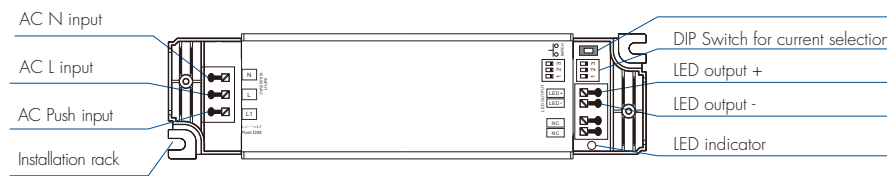
- Dimming interface: RF Wireless, AC Push-Dim
- Match with RF 2.4G single color remote control
- Universal AC input / Full range
- Flicker-free
- 1 channel constant current output, configurable current via DIP switch
- Built-in active PFC function: 0.95 Typ
- Light on/off fade time 3s selectable
- Over-heat / Over-load / Short circuit protection, recover automatically
- Full protective plastic case
- Suitable for indoor LED lighting application
- 5 Year, 50,000hr warranty



### Applications

- Suitable for downlight, spotlight and decorative applications.
- Office / Commercial / Domestic Lighting, Hotels, Classrooms, Warehouse, Health care, Retail and Display.
- Use for retrofit upgrades & new luminaire designs.

### Mechanical Structures and Installations



### Technical Parameters

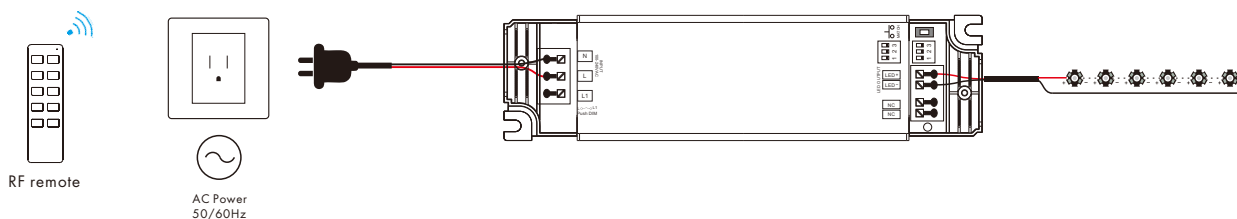
Output	Output Voltage	10-52VDC
	Output Current	350-1200mA
	Output Power	Max. 36W
	Max Output Voltage	60VDC
	Dimming Range	0~100%
	PWM Frequency	8000Hz
	Current Accuracy	±5%
Input	Ripple&Noise	< 100mV
	Input Voltage Range	100~240VAC
	Frequency Range	50/60Hz
	Efficiency	>84%/230VAC
	Alternating Current	0.38A/115VAC, 0.19A/230VAC
	Anti Surge	LN:1.5KV
	Startup time	1S/230VAC
	Power Factor	>0.99/115VAC, >0.95/230VAC
	THD	<8%
	Inrush Current	Cold start 18.8A at 230VAC
Protection	leakage Current	< 0.5mA/230VAC
	No Load Power	< 2W
	Over Load Power	When O/P voltage exceed its range, O/P current declines, auto recovers when the load is reduced.
Environment	Short Circuit	Shut down automatically if short circuit occurs, auto recovers.
	Over Temperature	Intelligently adjust or turn off the output current if the PCB temp > 100°C, auto recovers.
	Working Temperature	-20°C~50°C
	T <sub>case</sub> Max	80°C
	Working Humidity	20%~90%RH, non-condensing
	Storage Temp/Humidity	-40°C~80°C, 10%~95%RH
	Temperature Coefficient	±0.03%/°C (0-50°C)
Safety&EMC	Vibration Resistance	10-500Hz, 2G, 6min/cycle, X,Y,Z axes/2min
	IP Rating	IP20
	Security Specifications	IEC/EN61347-1, IEC/EN61347-2-13
	Withstand Voltage	I/P/O/P: 3750VAC
	Insulation Resistance	I/P/O/P: 100MΩ/500VDC/25°C/70%RH
	EMC Emission	EN61000-3-2 Class C, IEC61000-3-3
EMC Immunity	EN61000-4-2.3.4.5.6.8.11, EN61547	
Certifications	CE	

### LED Current Selection:

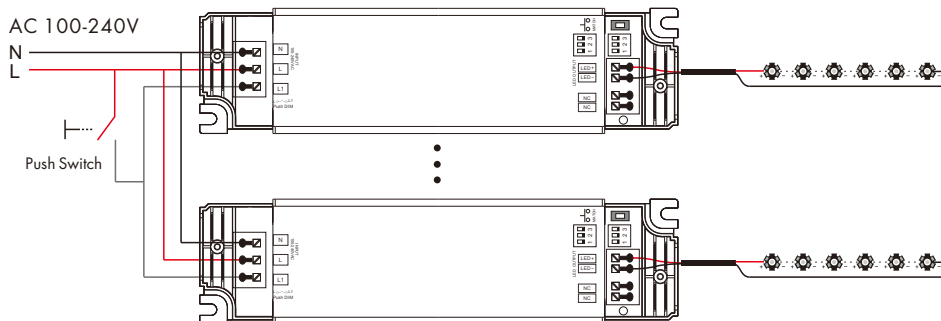
Output Voltage	10-52V	10-52V	10-52V	10-52V	10-45V	10-40V	10-35V	10-30V	
Output Current	350mA	500mA	600mA	700mA	800mA	900mA	1050mA	1200mA	
Output Power	3.5-18.2W	5-26W	6-31.2W	7-36.4W	8-36W	9-36W	10.5-36W	12-36W	

## Wiring Diagram

### 1. RF Connection



### 2. AC Push-Dim connection



#### Light on/off fade time setting:

Long press match key 5s, then short press match key 3 times, the light on/off time will be set to 3s, the indicator light blink 3 times.

Long press match key 10s, restore factory default parameter, the light on/off time also restore to 0.5s.

## Match Remote Control (two match ways)

End user can choose the suitable match/delete ways. Two options are offered for selection:

#### Use Match key

Match:

Short press match key, immediately press on/off key (single zone remote) or zone key (multiple zone remote) of the remote.

Delete:

Press and hold match key for 5s to delete all match, The light blinks 5 times means all matched remotes were deleted.

#### Use Power Restart

Match:

Switch off the power, then switch on power, repeat again. Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 3 times on the remote. The light blinks 3 times means match is successful.

Delete:

Switch off the power, then switch on power, repeat again. Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 5 times on the remote. The light blinks 5 times means all matched remotes were deleted.

## Push-Dim

The provided AC Push-Dim interface allows for a simple dimming method using commercially available non-latching(momentary) wall switches.

#### • Short press:

Turn on or off light.

#### • Long press (1-6s):

Press and hold to step-less dimming. With every other long press, the light level goes to the opposite direction.

#### • Dimming memory:

Light returns to the previous dimming level when switched off and on again, even at power failure.

#### • Synchronization:

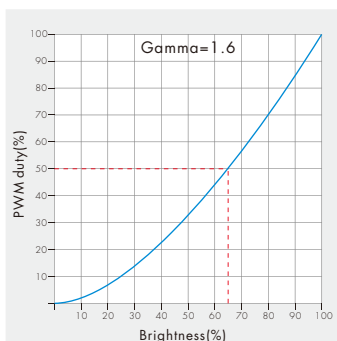
If more than one LED driver are connected to the same push switch, do a long press for more than 10s, then the system is synchronized and all lights in the group dim up to 100%.

This means there is no need for any additional synchrony wire in larger installations.

We recommend the number of LED drivers connected to a push switch does not exceed 25 pieces,

The maximum length of the wires from push to LED driver should be no more than 20 meters.

## Dimming Curve



## Installation Precautions

1. The products shall not be stacked, the distance should be  $\geq 20\text{cm}$ , so as not to affect lifespan of the products due to poor heat dissipation.
2. The installation height shall be  $\geq 1\text{m}$  from the floor to avoid shortening the remote control distance due to too weak reception signal.
3. The products are not allowed to be close to or covered by metal objects, with an interval of  $\geq 20\text{cm}$  to avoid signal attenuation and shorten the remote control distance.
4. Avoid installation at the corner of the wall or the corner of the beam, with an interval of  $\geq 20\text{cm}$  to avoid signal interference.