POWER SUPPLY SELECTION

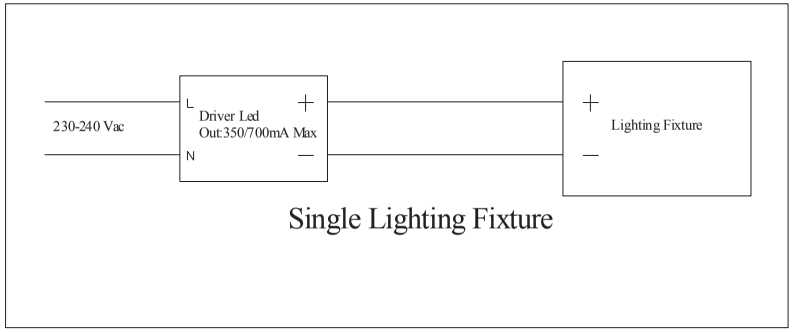
Considering a potential energy fall of 3 Volt for each LED, and considering also a sequentially wiring connection of the power supply, the procedure to choose the number of lighting fixtures to connect to each power supply consists in dividing the output voltage for the single potential energy fall and multiplying it for the number of LED.

POWER SUPPLY SELECTION

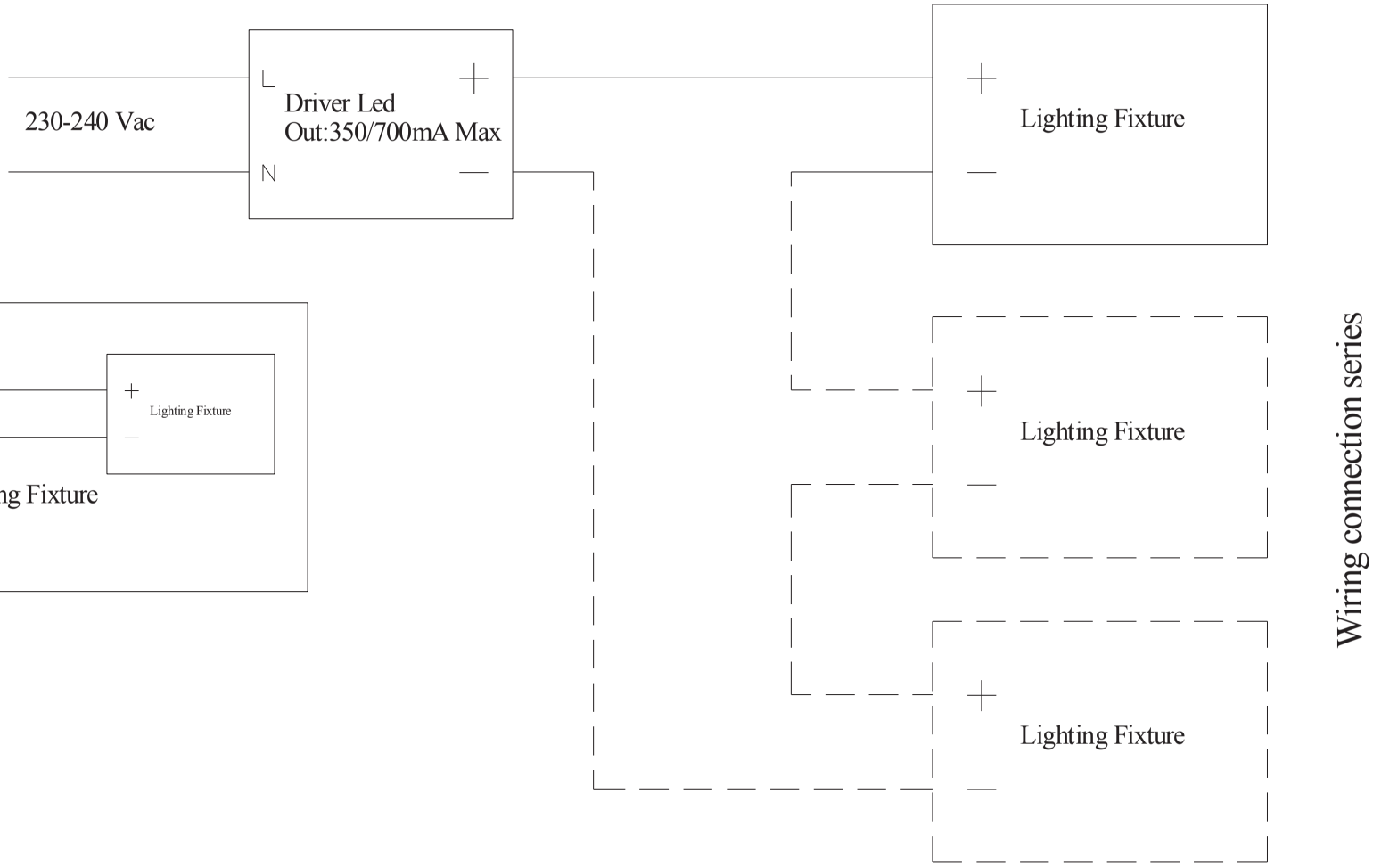
Example: if we use a 350mA power supply powered at 15W with a output voltage of 33 Volt the number of fittings will be:
33 Volt / 3 Volt (Voltage for each LED) = 11 Volt.
In this case, if we consider also the power energy fall in the installation, it will be possible to drive 9 fittings.

Power (Watt)	I out (mA)	V out (Volt)	Fittings (Nr.)	Nominal power (Watt)
6	350	20	5	1
6	500	15	4	2
6	700	11	3	3
12	350	35	10	1
12	500	26	7	2
12	700	18	5	3
15	350	50	14	1
15	500	33	9	2
15	700	22	6	3
36	700	50	15	3

Wiring connection



Single Lighting Fixture



The number of connected devices depends on the driver power
Max 50 Volt - ΔV:3V for each LED