

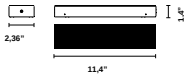
Freeline F44

A55210



Fixture type

Project name



Dimensions

Material

Electronic Driver

Description

96W, 24V, 120-277V (UNV), 0-10V Dimming

Dimmable

0-10V

Specs



Light source and Technical

Lamp type: LED Driver

| High Power LED Driver |                |
|-----------------------|----------------|
| Total Power           | 100 Watts max. |
| Input Voltages        | 110 ~ 277VAC   |
| Number of Outputs     | One            |

### SPECIAL FEATURES

- Universal input range from 100VAC~304VAC, 50/60Hz
- Versatile mechanical design maximizes design flexibility.
- Dimensions, refer to drawings (various styles of mech. Cases)
- Fully potted, suitable for dry and damp location applications
- 3 in 1 Dimming Control plus “ENABLE”, low dim “ON”.
- UL Listed with HL and CE compliant
- Wide selection of pre-adjusted CC and CV outputs (factory setting)

### ENVIRONMENTAL

|                            |                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------|
| Operating temperature:     | -40 to +50 ° C, Tc: 85 ° C                                                                     |
| Storage temperature:       | -40 to +85 ° C                                                                                 |
| Humidity (Non-Condensing): | 5% to 95%                                                                                      |
| Cooling:                   | Convection                                                                                     |
| Vibration Frequency:       | 5 to 50 Hz                                                                                     |
| MTBF:                      | >100,000 Hours at full load and 25°C ambient conditions<br>(TELC3 – Telcordia SR-332, Issue 3) |



### SPECIFICATIONS :

|                                                               |                                                            |
|---------------------------------------------------------------|------------------------------------------------------------|
| Input Range : 110 ~ 277VAC                                    | Frequency : 47 to 63Hz                                     |
| Power Factor: > 0.92 at 65% to 100% load, 115VAC or 230VAC    | Inrush Current : 10.0 Amps max. at 230VAC, cold start 25°C |
| Input Current : 1.1 Amps max. at 115VAC                       | Efficiency : 87% Typical                                   |
| Output Current Regulation : ±5%                               | Maximum Power : 100 W                                      |
| Protection : OCP, SCP, OLP – Auto Recovery                    | Leakage Current : 3mA typ.                                 |
| Control : 0-10V dimmer; PWM (250-3KHz); Potentiometer; Enable | Dimension: 278 x 64 x 42 mm (10.92"L x 2.52"W x 1.65"H )   |
| Hold up time: Half cycle min. at 120VAC and 80% rated load    | Regulation Compliance: UL8750 or EN61347, EN55015, EN61547 |

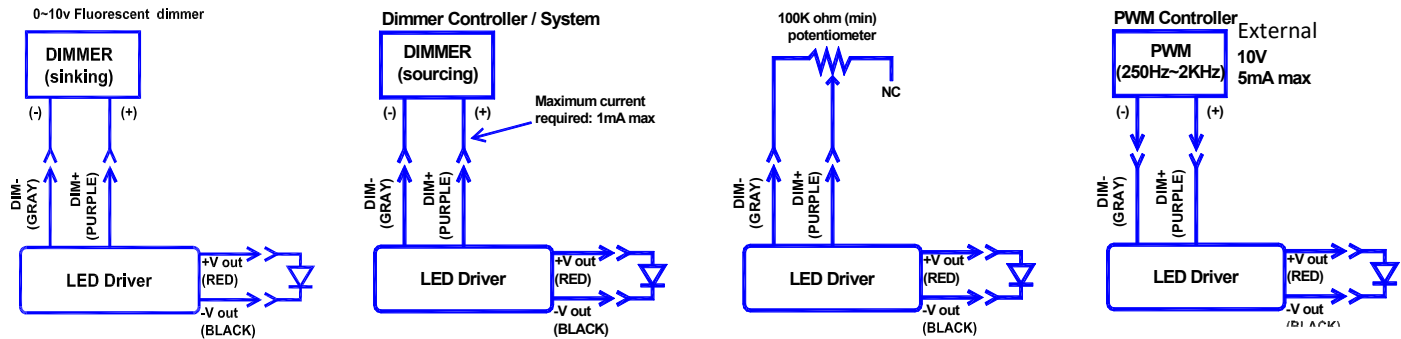
### Model Selection Table – CV model: Q2-Uxx-zz ; CC model: Q-Uxx-Cyyyy-zz

| Model No. | Input         |           |             | Output    |               |      |      |              |      | Class 2 |
|-----------|---------------|-----------|-------------|-----------|---------------|------|------|--------------|------|---------|
|           | Voltage (VAC) | Freq (HZ) | Current (A) | Power (W) | Voltage (Vdc) |      |      | Current (mA) |      | Yes/No  |
|           |               |           |             | Max.      | Min.          | Nom. | Max. | Min.         | Max. |         |
| A55210    | 110~277Vac    | 50/60     | 1.10~0.43   | 100       | 15            | 24   | 27   | 1900         | 5000 | YES     |

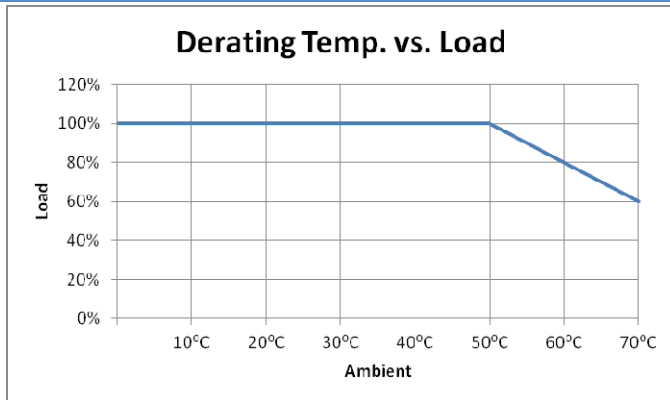
### Wire Derating Guide— for 24V for distance to driver

| Gauge  | Distance |
|--------|----------|
| 18 AWG | 25 feet  |
| 16 AWG | 40 feet  |
| 14 AWG | 60 feet  |
| 12 AWG | 100 feet |
| 10 AWG | 150 feet |

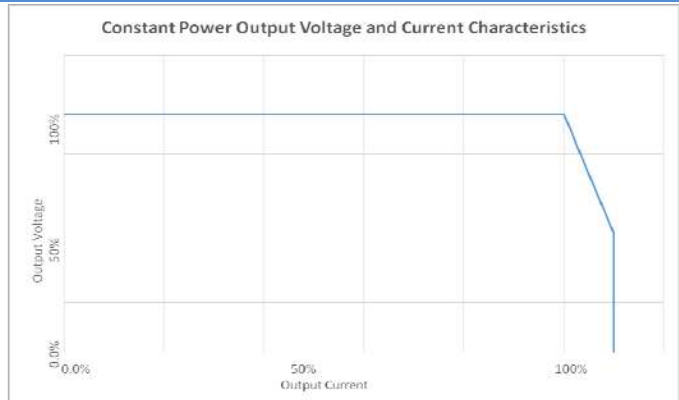
## Dimming Wiring Diagram (Standard: "low dim on"; "low dim off" is available upon request)



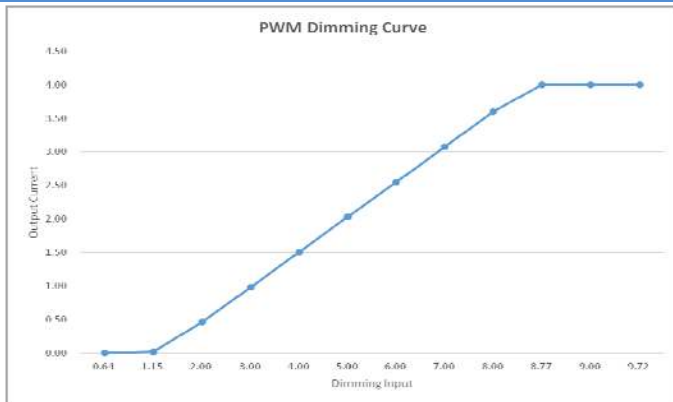
## De-rating Temp. vs. Load



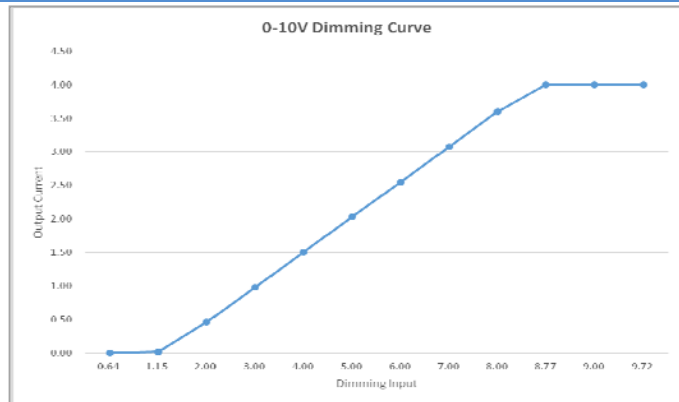
## Constant Power Output Voltage vs. Current



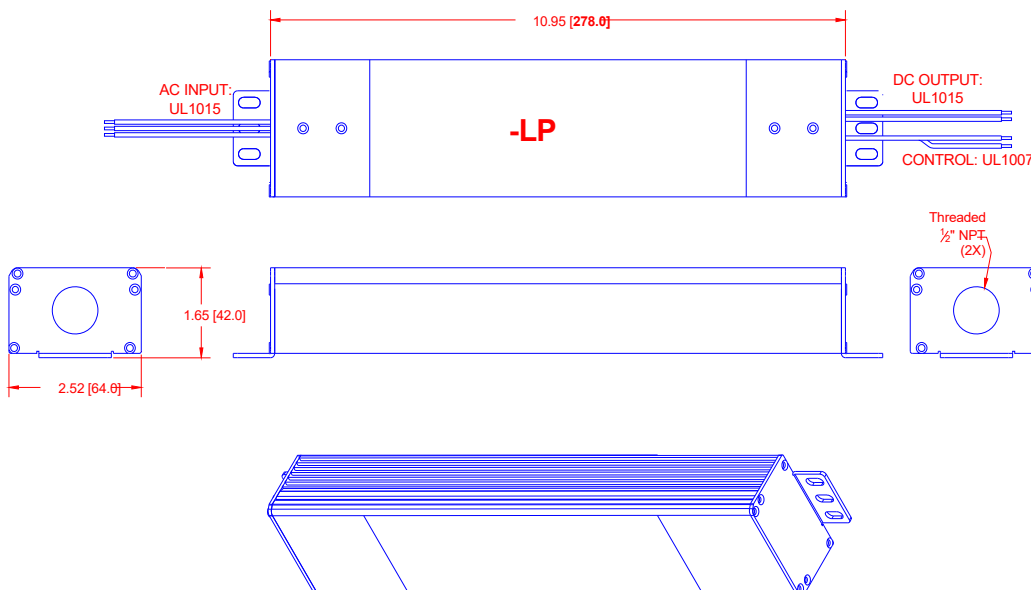
## PWM Dimming Curve



## 1-10V Dimming Curve



## MECHANICAL SPECIFICATION : Fabbian A55210



-LP: 10.94 (L) x 2.52 (W) x 1.65 (H) in.  
278 x 64 x 42 mm  
UL Listed