# :Fabbian

# Lumi F07-F66 A55210

Fixture type Project name

Material

Electronic Driver



#### Description

96W, 24V, 120-277V (UNV), 0-10V Dimming - Supports up to 12 small or 4 large Lumi Tech fixtures

Voltage 120-277V (UNV) Dimmable 0-10V

#### Light source and Technical

Lamp type: LED Driver Wattage: 96W

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# **Product Specifications**

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					

(TELC3 - Telcordia SR-332, Issue 3)

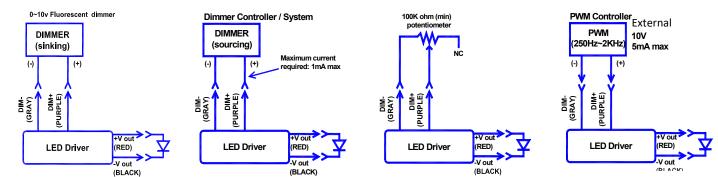


SPECIFICATIONS :				
Input Range : 110 ~ 277VAC	Frequency : 47 to 63Hz			
Power Factor: > 0.92 at 65% to 100% load, 115VAC or 230VAC	Inrush Current : 10.0 Amps max. at 230VAC, cold start 25°C			
Input Current : 1.1 Amps max. at 115VAC	Efficiency : 87% Typical			
Output Current Regulation : ±5%	Maximum 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			

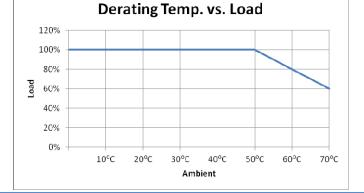
Model Selection Table – CV model: Q2-Uxx-zz ; CC model: Q-Uxx-Cyyyy-zz										
	Input		Output					Class 2		
Model No.	Voltage	Freq	Current	Power (W)	Voltage (Vdc)		Current (mA)		Yes/No	
	(VAC)	(HZ)	(A)	Max.	Min.	Nom.	Max.	Min.	Max.	1 (5/110
A55210	110~277Vac	50/60	1.10~0.43	100	15	24	27	1900	5000	YES

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)



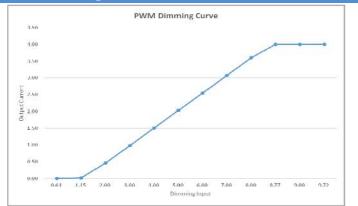
# De-rating Temp. vs. Load



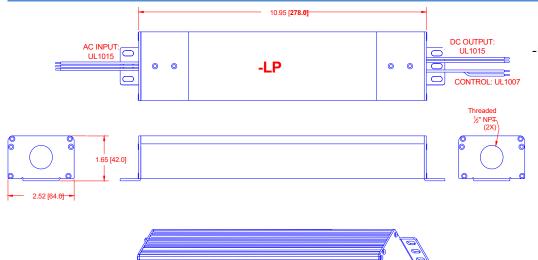
# Constant Power Output Voltage and Current Characteristics 100% Output Voltage 50% %0.0% 50% Output Current 100%

**Constant Power Output Voltage vs. Current** 

## **PWM Dmming Curve**



### **MECHANICAL SPECIFICATION : Fabbian A55210**

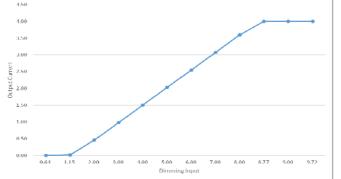


# -LP: 10.94 (L) x 2.52 (W) x 1.65 (H) in. 278 x 64 x 42 mm **UL** Listed



# 4.50

**1-10V Dimming Curve** 



0-10V Dimming Curve