

LED Driver (with Dimming Control and 10Vdc Output)

DC to DC Constant Current Power Supply 3.7 ~ 52Watts

CC3512H Series

Features :

Wide Input Voltages from 11VDC to 40VDC
 DC Output with Constant Current
 Waterproof Design - IP66,NEMA4
 For Dry, Damp Locations
 Convection Cooled in plastic housing
 FCC A compliant
 Three Year Warranty

Applications :

LED Light Fixture
 LED Signage
 LED Architectural Lighting
 LED Industrial Lighting
 LED String Lighting
 LED Task Lighting

Specifications :

| | |
|---|--|
| Input Range : 12~36Vdc , Detail input. to see below table.. | Dimming current draw: < 0.5mA , 10V output : 7.5mA |
| DC Output Range : To see below table | Operation Temp. : -40°C ~ +50°C , Tc : 70 °C |
| Efficiency : 90% Tpy. | Storage Temp. : -40°C ~ +85°C |
| Output Current Regulation : ±5% | MTBF(@25°C) : >100,000 Hours, MIL-217F |
| Protection : SCP - Auto Recovery | FCC A,IP66 , NEMA4. |
| Dimming Source (Yellow wire) : Capable of up to 10 units | Weight : 80 Grams Typical |

Model : CC3512H-cccc (-350 ,700 , 1000,1400 ,1750 ,2000)

| DC Input Voltage | DC output working Voltage | Output Constant Current | Watts Max. | DC Input Voltage | DC output working Voltage | Output Constant Current | Watts Max. |
|------------------|---------------------------|-------------------------|------------|------------------|---------------------------|-------------------------|------------|
| 36Vdc | 7 ~32V | 350mA | 11.2W | 20Vdc | 5 ~17.5V | 350mA | 6.2W |
| 30Vdc | 6 ~ 26.5V | 350mA | 9.3W | 15Vdc | 4 ~13V | 350mA | 4.6W |
| 24Vdc | 5.5 ~21.5V | 350mA | 7.5W | 12Vdc | 3.5 ~10.5V | 350mA | 3.7W |

| | | | | | | | |
|-------|------------|-------|-------|-------|----------|-------|------|
| 36Vdc | 7.5 ~31.5V | 700mA | 22W | 20Vdc | 4.5 ~17V | 700mA | 12W |
| 30Vdc | 6 ~ 26.5V | 700mA | 18.6W | 15Vdc | 4 ~13V | 700mA | 9.1W |
| 24Vdc | 5 ~21V | 700mA | 14.7W | 12Vdc | 3.5 ~10V | 700mA | 7W |

| | | | | | | | |
|-------|-----------|--------|-------|-------|----------|--------|-------|
| 36Vdc | 9 ~31.5V | 1000mA | 31.5W | 20Vdc | 4 ~17V | 1000mA | 17W |
| 30Vdc | 7 ~ 26.5V | 1000mA | 26.5W | 15Vdc | 4 ~12.5V | 1000mA | 12.5W |
| 24Vdc | 5 ~20.5V | 1000mA | 20.5W | 12Vdc | 4 ~9.5V | 1000mA | 9.5W |

| | | | | | | | |
|-------|---------|--------|-------|-------|----------|--------|-------|
| 36Vdc | 3 ~31V | 1400mA | 43W | 20Vdc | 3 ~17V | 1400mA | 23.8W |
| 30Vdc | 3 ~ 26V | 1400mA | 36.4W | 15Vdc | 3 ~12.5V | 1400mA | 17.5W |
| 24Vdc | 3 ~21V | 1400mA | 29.4W | 12Vdc | 3 ~10V | 1400mA | 14W |

| | | | | | | | |
|-------|----------|--------|-----|-------|----------|--------|-------|
| 30Vdc | 3 ~ 26V | 1750mA | 45W | 15Vdc | 3 ~12.5V | 1750mA | 22W |
| 24Vdc | 3 ~20.5V | 1750mA | 36W | 12Vdc | 3 ~9.5V | 1750mA | 13.3W |
| 20Vdc | 3 ~17V | 1750mA | 30W | | | | |

| | | | | | | | |
|-------|----------|--------|-----|-------|---------|--------|-----|
| 30Vdc | 3 ~ 26V | 2000mA | 52W | 15Vdc | 3 ~12V | 2000mA | 24W |
| 24Vdc | 5 ~20.5V | 2000mA | 41W | 12Vdc | 3 ~9.5V | 2000mA | 19W |
| 20Vdc | 3 ~17V | 2000mA | 34W | | | | |

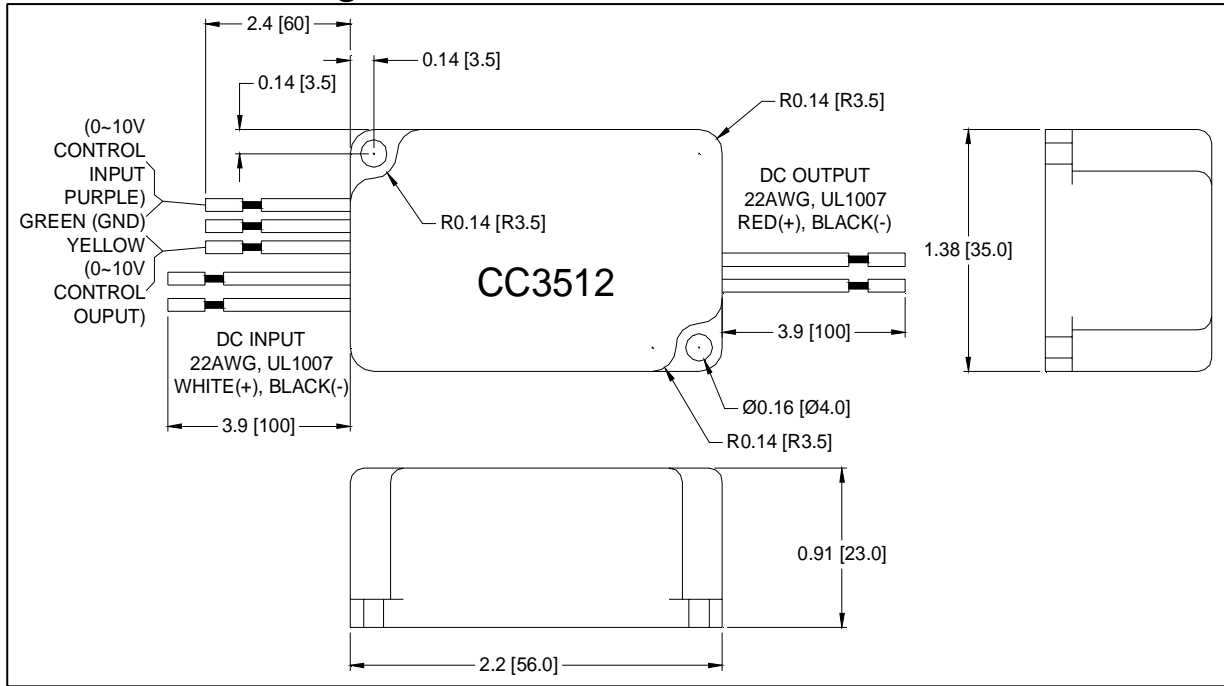
Model Information :

CC3512H-cccc (Single DC Output)

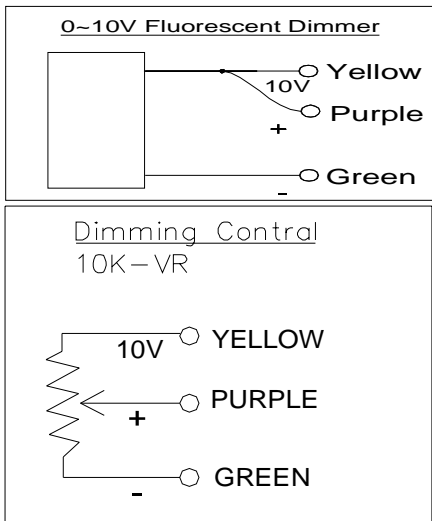
cccc = 350- 350mA , 700-700mA,..... 2000mA
Constant Current Output

H = Dimming feature , Green/GND, Purple/ 0-10V Control Input, Yellow/ 0-10V Output (7.5mA)
Dimming control wire(Purple, Green) - Short : OFF , Open : ON , 0V : OFF , 10V : ON

Mechanical Drawing :



Dimming :



- Input -24Vdc , DC output 19V/350mA —
- Input -24Vdc , DC output 20V/1000mA —
- Input -24Vdc , DC output 20.5V/1400mA —
- Input -24Vdc , DC output 21V/2000mA —

Variable Voltage v.s Illuminate(Lux)

