

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 36VDC
 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)

Min. Input Voltage	DC output working Voltage	Output Constant Current	Watts Max.	Min. Input Voltage	DC output working Voltage	Output Constant Current	Watts Max.
36Vdc	12~31	350mA	10.9	20Vdc	6~15	350mA	5.3
30Vdc	9~24	350mA	8.4	15Vdc	6~12	350mA	4.2
24Vdc	9~21	350mA	7.4				

36Vdc	10~30	700mA	21.0	20Vdc	6.5~16	700mA	11.2
30Vdc	10~26	700mA	18.2	15Vdc	3~13	700mA	9.1
24Vdc	6.5~20	700mA	14.0				

36Vdc	10~30	1000mA	30.0	20Vdc	6.5~17	1000mA	17.0
30Vdc	10~24	1000mA	24.0	15Vdc	3~10	1000mA	10.0
24Vdc	6.5~20	1000mA	20.0				

30Vdc	5~26	1400mA	36.4	15Vdc	5~11	1400mA	15.4
24Vdc	5~20	1400mA	28.0				
20Vdc	5~16	1400mA	22.4				

30Vdc	5~25	1750mA	43.8	15Vdc	5~11	1750mA	19.3
24Vdc	5~19	1750mA	33.3				
20Vdc	5~16	1750mA	28.0				

30Vdc	5~25	2000mA	50.0	15Vdc	5~10	2000mA	20.0
24Vdc	5~19	2000mA	38.0				
20Vdc	5~15	2000mA	30.0				

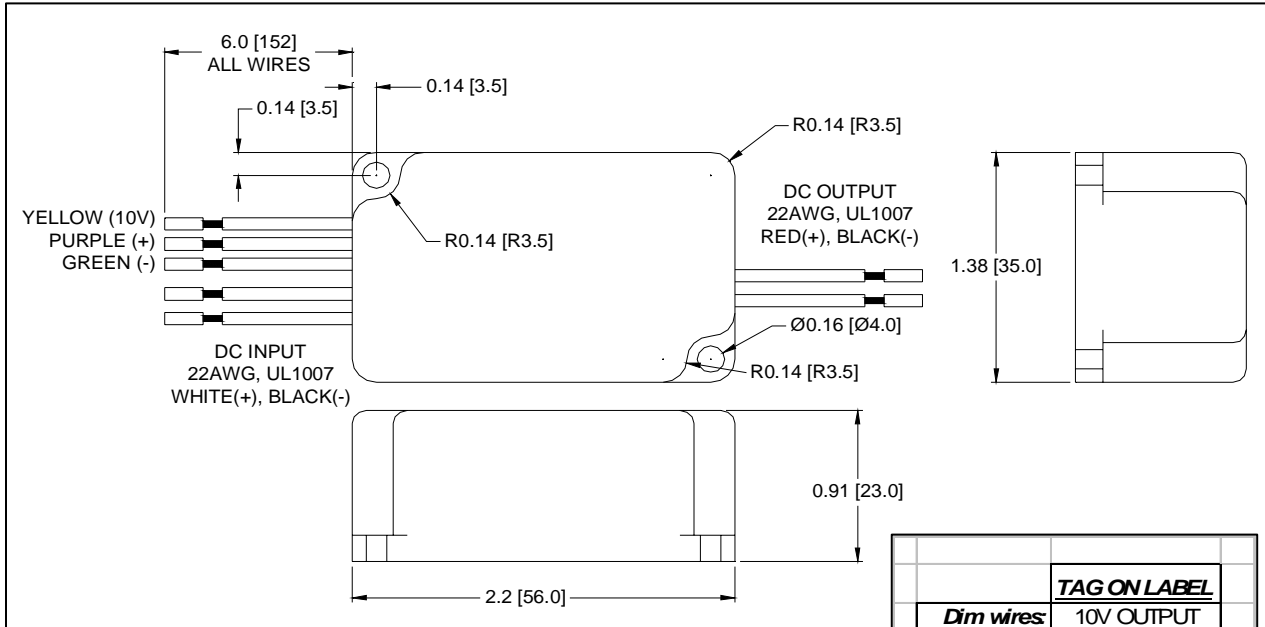
Model Information :

CC3512H-cccc (Single DC Output)

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

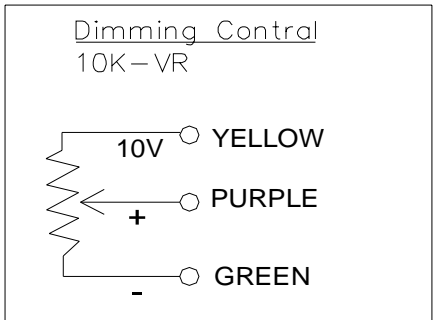
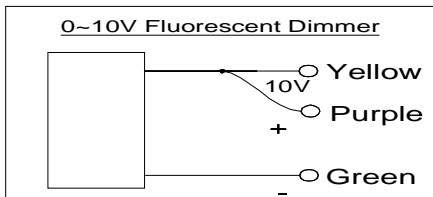
H = Dimming feature ,Green/RTN, Purple/ 0-10V Control Input, Yellow/ 0-10V Output (7.5mA).
Dimming control wire(Purple, Green) - Short : OFF , Open : ON , 0V : OFF , 10V : ON

Mechanical Drawing :



TAG ON LABEL	
Dim wires	10V OUTPUT 0-10V INPUT RTN
Input wires	INPUT + INPUT -
Output wires	OUTPUT + OUTPUT -

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)

