World wide input, and built in PFC

AC input, and isolated High-power LED Driver for Illumination

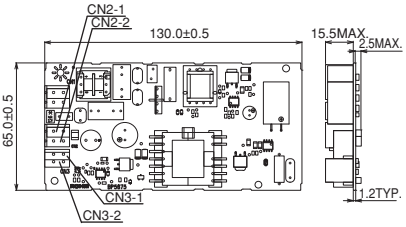
BP5875

●Absolute Maximum Ratings

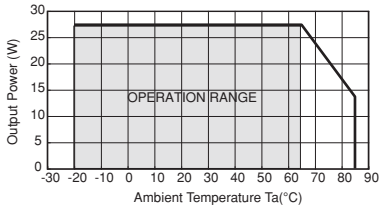
(Ta=25°C)

Parameter	Symbol	Limits	Unit	Conditions
Input voltage	Vi	264	V	AC
Output voltage(limits)	Po	91.2	V	Io=300mA
Maximum input current	Iac	1	Arms	AC
Withstand voltage				
Maximum surface temperature	Tcmax	105	°C	Ambient temperature + the module self-heating≤Tcmax
Operating temperature range	Topr	−20 to +65	°C	Refer to derating curve
Storage temperature range	Tstg	−20 to +85	°C	
Analogue light adjustment voltage	VDIM	6	V	

●Dimensions (Unit : mm)



●Derating Curve



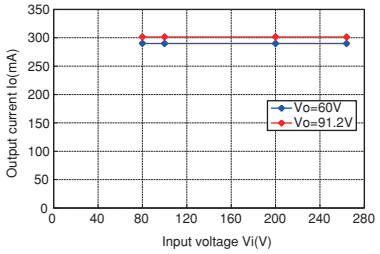
●Electrical Characteristics

(Unless otherwise noted, Vi=AC80 to 264V, Vo=91.2V, Ta=25°C)

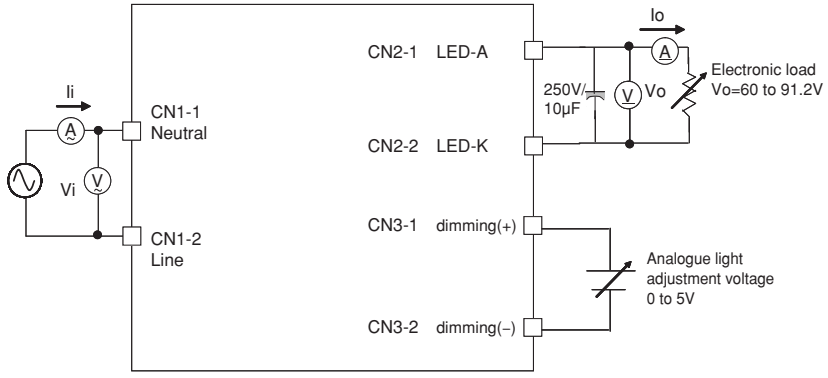
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Input voltage range	Vi	80	100	264	VAC	50/60Hz (47 to 63Hz)
Input power factor	θ	0.90	0.95	–	–	Vi=AC100V, 200V
Output voltage range	Vo	60	–	91.2	V	Io=300mA
Output current	Io	270	300	330	mA	
Output current	Io	–	–	30	mA	Vi=AC100V, Vo=75V Analogue light adjustment voltage=DC5V
Output opening voltage	Vopen	–	–	125	V	Io=0mA

∗ Maximum output current varies depending on ambient temperature. Refer to the derating curve.

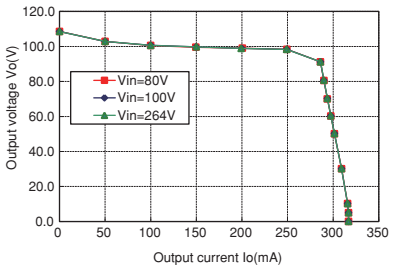
●Line Regulation



●Test circuit



●Load Regulation



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