



High Power LEDs

Feature

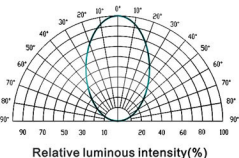
- Rectangle Package
- Water Clear
- Viewing Angle(2θ @ 1/2:70°)

Applications

RED YELLOW GREEN BLUE WHITE

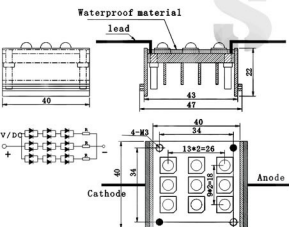
architectural and decorating lighting
light source for out-indoor advertising.

Radiation Diagram



Outline Dimensions

(Unit:mm)



Maximum Ratings

Parameter	Symbol	Value		Unit
		P-S40×40E/YXX×9C	P-S40×40G/B/WXX×9C	
Forward Current	IF	250	250	mA
Peak Forward Current	IFP	1000	600	mA
Reverse Voltage	VR	10		V
Operating Temperature	T _{opr}	-30 to +65		°C
Storage Temperature	T _{stg}	-30 to +85		°C
Soldering Temperature	T _{sl}	260±5		°C

Note: *1:IFP Conditions --- Pulse Width ≤ 1msec and Duty ≤ 1/10.
*2:Soldering time ≤ 5 seconds.

Characteristics

(Ta = 25°C)

P-S40×40 EXX×9C	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	Red	IF	VF=8V	-	210	250	mA
Total Flux		φ _v	VF=8V	22	-	60	lm
Dominant Wavelength		λ _d	VF=8V	610	-	640	nm
Half Bandwidth		Δλ	VF=8V	-	16	-	nm

P-S40×40 YXX×9C	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	Yellow	IF	VF=8V	-	210	250	mA
Total Flux		φ _v	VF=8V	20	-	57	lm
Dominant Wavelength		λ _d	VF=8V	580	-	597	nm
Half Bandwidth		Δλ	VF=8V	-	16	-	nm

P-S40×40 GXX×9C	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	Green	IF	VF=12V	-	210	250	mA
Total Flux		φ _v	VF=12V	30	-	100	lm
Dominant Wavelength		λ _d	VF=12V	500	-	535	nm
Half Bandwidth		Δλ	VF=12V	-	35	-	nm

P-S40×40 BXX×9C	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	Blue	IF	VF=12V	-	210	250	mA
Total Flux		φ _v	VF=12V	15	-	55	lm
Dominant Wavelength		λ _d	VF=12V	450	-	480	nm
Half Bandwidth		Δλ	VF=12V	-	30	-	nm

P-S40×40 WXX×9C	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	White	IF	VF=12V	-	210	250	mA
Total Flux		φ _v	VF=12V	30	-	100	lm
Chromaticity Coordinates		X	VF=12V	0.24	-	0.36	
		Y	VF=12V	0.25	-	0.37	