



Specification Sheet	Product	6W 350mA Indoor Constant Current LED Driver		Version: 1.0	Page:1/2																																																																																																																																																						
	Model	HQLC6/123/350/B1E2		Date	2019-11-16																																																																																																																																																						
<div><div></div><div><p>■Features:</p><ul style="list-style-type: none">·Universal AC input:100~277VAC.·Built-in active PFC function.·cooling by free air convection.·IP20, input/output ports are connected to the wire.·Constant current output.·Suitable for LED lighting applications.·Comply to UL lighting equipment safety regulations.·Use in indoor area.·Build-in application.·3 years warranty.</div><div></div></div> <div>INDOOR CONSTANT CURRENT LED DRIVER</div> <div><table><tr><td rowspan="8">INPUT</td><td>Voltage range</td><td colspan="4">Rated voltage range:100~277VAC , Input voltage range:90~305VAC</td></tr><tr><td>Frequency range</td><td colspan="4">47~63Hz</td></tr><tr><td>Power factor</td><td colspan="4">PF≥0.85</td></tr><tr><td>Efficiency(Typ.)</td><td>≥80%</td><td colspan="3">Test condition: Input Voltage 277VAC,100% full load.</td></tr><tr><td>AC current</td><td colspan="4">≤0.09A/100VAC (100%full load)</td></tr><tr><td>Start up inrush current(Typ.)</td><td colspan="4">cold start: 50A Max. /277VAC</td></tr><tr><td>Leakage current</td><td colspan="4">Contact current ≤0.7mA at 277VAC, Protect conductor current ≤2mA at 277VAC</td></tr><tr><td>THD</td><td colspan="4"><20%</td></tr><tr><td rowspan="7">OUTPUT</td><td>Output channel</td><td colspan="4">1 channel</td></tr><tr><td rowspan="2">Output current and voltage</td><td colspan="2">9~20V</td><td colspan="2" rowspan="2"></td></tr><tr><td colspan="2">350mA</td></tr><tr><td>Tolerance</td><td colspan="4">±5%</td></tr><tr><td>Output ripple Voltage</td><td colspan="4"><30% (100% full load)</td></tr><tr><td>Output overshoot / undershoot voltage</td><td colspan="4">≤10%,when power open and shut down</td></tr><tr><td>Start up time</td><td colspan="4">0~1S</td></tr><tr><td rowspan="5">ENVIRONMENT</td><td>Working TEMP.</td><td colspan="4">-40~+50℃ (100%full load)</td></tr><tr><td>Max. CASE TEMP.</td><td colspan="4">80℃ (100%full load)</td></tr><tr><td>Working humidity</td><td colspan="4">20~95%RH, non-condensing</td></tr><tr><td>Storage TEMP.,humidity</td><td colspan="4">-40~+80℃, 10~95%RH</td></tr><tr><td>Vibration</td><td colspan="4">10~500Hz, 5G 12min/1 cycle, period for 72min.each along X、Y、Z axes</td></tr><tr><td rowspan="5">SAFETY&EMC</td><td>Safety standards</td><td colspan="4">UL8750, IEC61347-1, IEC61347-2-13</td></tr><tr><td>Withstand voltage</td><td colspan="4">I/P-O/P:3.75KVAC, I/P-FG:1.875KVAC, O/P-FG:0.5KVAC</td></tr><tr><td>Isolation resistance</td><td colspan="4">I/P-O/P,I/P-FG,O/P-FG:> 100MΩ at 500VDC/25℃/70%RH</td></tr><tr><td>EMC emission</td><td colspan="4">ANSI.C63.4:2009 Class B</td></tr><tr><td>EMC immunity</td><td colspan="4">Surge impulse tes:L-N,2kV</td></tr><tr><td>LIFE</td><td colspan="5">50,000 hours at Ta</td></tr><tr><td>SIZE</td><td colspan="5">70×39×25mm(L×W×H),find below dimension.</td></tr><tr><td>WEIGHT</td><td colspan="5">115g/PCS</td></tr><tr><td>NOTE</td><td colspan="5">1.All parameters NOT specially mentioned are measured at 220VAC input , rated load and 25℃ of ambient temperature . 2.The LED driver is considered as a component that will be operated in combination with final equipment , since EMC performance will be affected by the complete installation ,the final equipment manufacturers must re-qualify EMC directive on the complete installation again . 3.Detail warranty terms please refer to warranty statement.</td></tr></table></div>						INPUT	Voltage range	Rated voltage range:100~277VAC , Input voltage range:90~305VAC				Frequency range	47~63Hz				Power factor	PF≥0.85				Efficiency(Typ.)	≥80%	Test condition: Input Voltage 277VAC,100% full load.			AC current	≤0.09A/100VAC (100%full load)				Start up inrush current(Typ.)	cold start: 50A Max. /277VAC				Leakage current	Contact current ≤0.7mA at 277VAC, Protect conductor current ≤2mA at 277VAC				THD	<20%				OUTPUT	Output channel	1 channel				Output current and voltage	9~20V				350mA		Tolerance	±5%				Output ripple Voltage	<30% (100% full load)				Output overshoot / undershoot voltage	≤10%,when power open and shut down				Start up time	0~1S				ENVIRONMENT	Working TEMP.	-40~+50℃ (100%full load)				Max. CASE TEMP.	80℃ (100%full load)				Working humidity	20~95%RH, non-condensing				Storage TEMP.,humidity	-40~+80℃, 10~95%RH				Vibration	10~500Hz, 5G 12min/1 cycle, period for 72min.each along X、Y、Z axes				SAFETY&EMC	Safety standards	UL8750, IEC61347-1, IEC61347-2-13				Withstand voltage	I/P-O/P:3.75KVAC, I/P-FG:1.875KVAC, O/P-FG:0.5KVAC				Isolation resistance	I/P-O/P,I/P-FG,O/P-FG:> 100MΩ at 500VDC/25℃/70%RH				EMC emission	ANSI.C63.4:2009 Class B				EMC immunity	Surge impulse tes:L-N,2kV				LIFE	50,000 hours at Ta					SIZE	70×39×25mm(L×W×H),find below dimension.					WEIGHT	115g/PCS					NOTE	1.All parameters NOT specially mentioned are measured at 220VAC input , rated load and 25℃ of ambient temperature . 2.The LED driver is considered as a component that will be operated in combination with final equipment , since EMC performance will be affected by the complete installation ,the final equipment manufacturers must re-qualify EMC directive on the complete installation again . 3.Detail warranty terms please refer to warranty statement.				
INPUT	Voltage range	Rated voltage range:100~277VAC , Input voltage range:90~305VAC																																																																																																																																																									
	Frequency range	47~63Hz																																																																																																																																																									
	Power factor	PF≥0.85																																																																																																																																																									
	Efficiency(Typ.)	≥80%	Test condition: Input Voltage 277VAC,100% full load.																																																																																																																																																								
	AC current	≤0.09A/100VAC (100%full load)																																																																																																																																																									
	Start up inrush current(Typ.)	cold start: 50A Max. /277VAC																																																																																																																																																									
	Leakage current	Contact current ≤0.7mA at 277VAC, Protect conductor current ≤2mA at 277VAC																																																																																																																																																									
	THD	<20%																																																																																																																																																									
OUTPUT	Output channel	1 channel																																																																																																																																																									
	Output current and voltage	9~20V																																																																																																																																																									
		350mA																																																																																																																																																									
	Tolerance	±5%																																																																																																																																																									
	Output ripple Voltage	<30% (100% full load)																																																																																																																																																									
	Output overshoot / undershoot voltage	≤10%,when power open and shut down																																																																																																																																																									
	Start up time	0~1S																																																																																																																																																									
ENVIRONMENT	Working TEMP.	-40~+50℃ (100%full load)																																																																																																																																																									
	Max. CASE TEMP.	80℃ (100%full load)																																																																																																																																																									
	Working humidity	20~95%RH, non-condensing																																																																																																																																																									
	Storage TEMP.,humidity	-40~+80℃, 10~95%RH																																																																																																																																																									
	Vibration	10~500Hz, 5G 12min/1 cycle, period for 72min.each along X、Y、Z axes																																																																																																																																																									
SAFETY&EMC	Safety standards	UL8750, IEC61347-1, IEC61347-2-13																																																																																																																																																									
	Withstand voltage	I/P-O/P:3.75KVAC, I/P-FG:1.875KVAC, O/P-FG:0.5KVAC																																																																																																																																																									
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG:> 100MΩ at 500VDC/25℃/70%RH																																																																																																																																																									
	EMC emission	ANSI.C63.4:2009 Class B																																																																																																																																																									
	EMC immunity	Surge impulse tes:L-N,2kV																																																																																																																																																									
LIFE	50,000 hours at Ta																																																																																																																																																										
SIZE	70×39×25mm(L×W×H),find below dimension.																																																																																																																																																										
WEIGHT	115g/PCS																																																																																																																																																										
NOTE	1.All parameters NOT specially mentioned are measured at 220VAC input , rated load and 25℃ of ambient temperature . 2.The LED driver is considered as a component that will be operated in combination with final equipment , since EMC performance will be affected by the complete installation ,the final equipment manufacturers must re-qualify EMC directive on the complete installation again . 3.Detail warranty terms please refer to warranty statement.																																																																																																																																																										

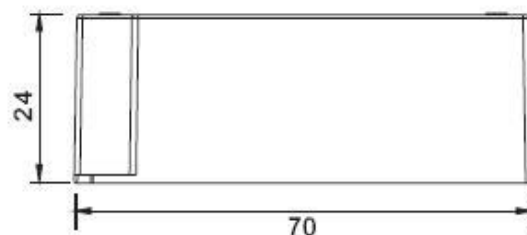
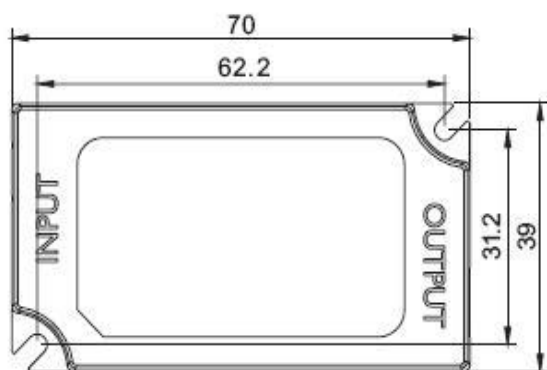
FM73045C

Specification Sheet	Product	6W 350mA Indoor Constant Current LED Driver	Version: 1.0	Page:2/2
	Model	HQLC6/123/350/B1E2	Date	2019-11-16

■ SIZE

UNIT: mm

TOERLANCE: $\pm 1\text{mm}$



The technical data and information in this specification is owned by HUAQUAN , we reserve the right to change without prior notice.

Please refer to the actual products provided by HUAQUAN for specific details.

FM73045C