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This	PLICATION specification defines the g	eneral specification and performance of the Non Dimm	iing driver.	
No.	ARTICLE	SPECIFICATION		
2-1	PSU (Power Supply Unit)	 Dimensions : 212 × 41 × 30.5mm(length / Widt (Tol: ±2.0mm) Input Power Maximum Consumption (50W) Input Voltage (220Vac ~ 240Vac) Output Current (35W : 630mA ± 5%) Output Voltage (24Vdc) 	h / Height)	
2-2	Weight	$\cdot 220 \pm 30 \mathrm{g}$		
2-3	Ambient Temperature (Ta)	• $-20[^{\circ}C] \sim +50[^{\circ}C]$, Surrounding Temp. of LED	Driver within	Fixture
2-4	Storage Temperature	• -40[°C] ~ 85[°C]		
2-5	Listings	· CE / ENEC / VDE / KC		
2-6	EMI	• EN55015		
2-7	Surge	• IEC 61547		
2-8	Hi-Pot	• IEC 61347-1 , IEC 61347-2-13		

 2-9
 Hazardous Substances in Products
 · RoHS compliant, REACH , WEEE

 2-10
 Lifetime
 · 50,000hr(MTBF)

3. APPEARANCE AND STRUCTURE

No.	ARTICLE	SPECIFICATION
3-1	Appearance	See the Appendix 1
3-2	Structure	See the Appendix 1

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4. PERFORMANCE

- Electric Specification

No.	ARTICLE	SPECIFICATION					TION
		Symbol	Min.	Тур.	Max.	Unit	Remarks
4-1	Power Consumption	Р	30	35	40	W	Vac=240V/50Hz @24.0V, measured with electronic load
4-2	Input Current	Ι	0.13	_	0.25	А	Each channel Vac=240V/50Hz @24.0V
4-3	Output Current	Іо	599	630	662	mA	Each channel Vac=240V/50Hz @24.0V
4-4	Output Voltage	Vo	20	24	26	Vdc	Each channel
4-5	Efficiency	-	84	87	-	%	Vac=240V/50Hz @24.0V
4-6	Power Factor	PF	0.9	-	-	-	Vac=240V/50Hz @24.0V
4-7	THD	%	-	10	15	%	Vac=240V/50Hz @24.0V
4-8	Turn On Time				0.5	sec	Vac=240V/50Hz @24.0V, measured with electronic load
4-9	Ripple Current				30	%	Output current ± 30%
4-10	Inrush current	Ipeak			20	А	
4-10	mrush current	Tduration			300	μs	@50% of Ipeak
4-11	No load Power consumption	-	-	-	1	W	@no load
4-12	O.V.P	-	-	-	43	V	Auto Recovery
4-13	O.T.P	-	-	-	150	Ĉ	Auto Recovery
4-14	Ambient Temperature	-	-20	-	50	Ĉ	
4-15	Case Temperature	-			85	°C	Case of LED Driver
4-16	Lifetime(E-cap)		50,000			hour	MTBF

* Keep the same Tc with fixture or without fixture

* E-Load Condition : LED & CR Mode

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- Final Test Items

No.	ARTICLE	SPECIFICATION					SPECIFICATION			ON
		Symbol	Min.	Тур.	Max.	Unit	Remarks			
4-1	Power Consumption	Р	30	35	40	W	Vac=240V/60Hz @24V			
4-2	Output Current	Io	599	630	662	mA	2 channel			
4-3	Output Voltage	Vo	20	24	26	Vdc	2 channel			
4-4	Efficiency	-	84	87	-	%	Vac=240V/60Hz @24V			
4-5	Power Factor	PF	0.9	-	-	-	Vac=240V/60Hz @24V			
4-6	THD	%	-	10	15	%	Vac=240V/60Hz @24V			

* All Test Results are recorded with 100% Products

* E-Load Condition : LED & CR Mode

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5. STANDARD TESTING CONDITION							

5-1 Standard testing environment

Generally all tests are performed in normal room temperature and humidity. If the problem occurs, re-tests are performed at 25 ± 3 °C and $60\pm5\%$ relative humidity.

5-2 Standard testing method

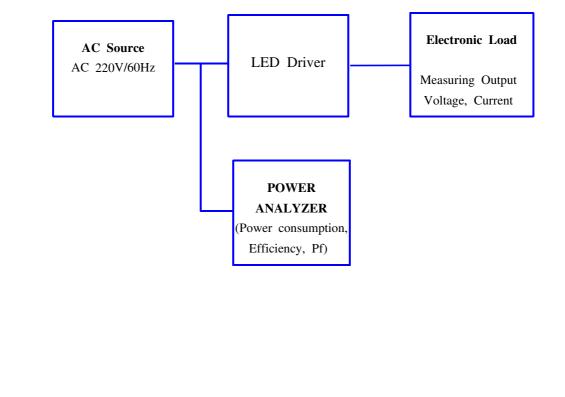
1) Testing equipment

Туре	Company	Model (Reference)
AC Input Driver	Chroma	AC Source 61504
Power Consumption measuring equipment	YOKOGAWA	PRECISION POWER ANALYZER WT3000
Electrical Load	Chroma	DC Electronic Load 63110A

2) Testing equipment Condition

Measuring Equipment	Condition
AC Source	AC 220V / 60Hz
DC Electronic Load	DC Electronic load, @ 24.5V, LED & CR Mode

3) Measurement Method



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6. PRECAUTIONS IN	HANDLING			
1) This LED Driver is onl	y for 45W Non Dimmin	ig driver.		
2) Handling To prevent the LED D	river from any defect, pl	lease handle it with care as fo	ollows.	
a. Don't drop the unit	and don't give the unit	any shocks.		
b. Don't store the prod	uct in a dusty place or	room.		
c. Don't take the produ	ict apart.			
d. Don't pull wire with	hand in case of carry of	or move the product.		
		LED Driver. Please keep the nt the luminaire from damage.	•	
a. Anyone who handles	the unit should be well	grounded. (earth ring or anti	-static glove)	
b. Anyone who handles	the unit should wear a	nti-electrostatic working clothe	·S.	
	and instruments, such as production line should b	working table, measuring ins be well grounded.	truments	
	h exceeds the absolute r	naximum rating is applied to malfunction.	LED Driver,	
b. Do not use the mixe	ed polarity of Ch1 and G	Ch2.		
	Module Int	erface		
	Module1	Module2		
Ch	1 + Ch1 -	Ch2+ Ch2-		

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7. TERMINAL INFORMATION

1) Input Interface

PIN	SYMBOL	COLOR	DESCRIPTION
1	Live	Gray	AC Input
2	Neutral	Gray	AC Input
3	NC	Gray	No Connect
4	P.E	Gray	Protective Earth



2) Output Interface

PIN	SYMBOL	COLOR	DESCRIPTION
2	CH2 +	Gray	Positive(Anode) LED output(CH2+)
1	CH2 -	Gray	Negative(Cathode) LED output(CH2-)
3	CH1 +	Gray	Positive(Anode) LED output(CH1+)
. 4	CH1 -	Gray	Negative(Cathode) LED output(CH1-)



