

LED Dimmable Driver

- Output Current *Programmable* LED Driver
- 22 ~ 40W Power Rating

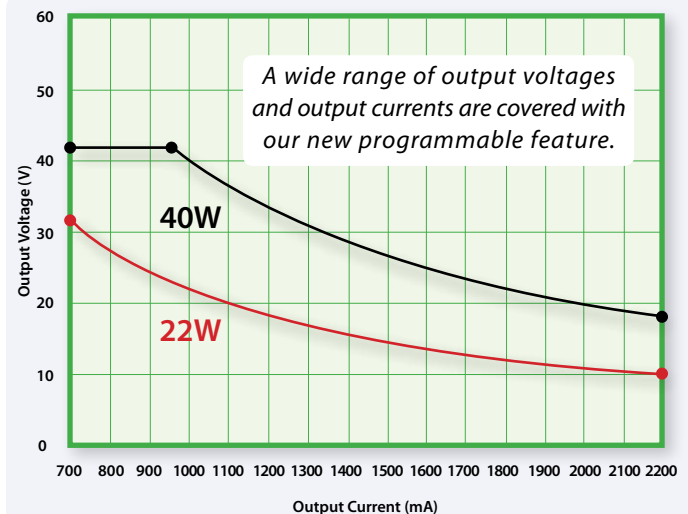
Features:

- Programmable current can be adjusted prior to installation*
- 0~10 Low Voltage Dimming Function
- Comprehensive protection against short-circuit, overvoltage, overload and over temperature
- IP66 rating for use in environments where dust or moisture is a concern
- High Efficiency



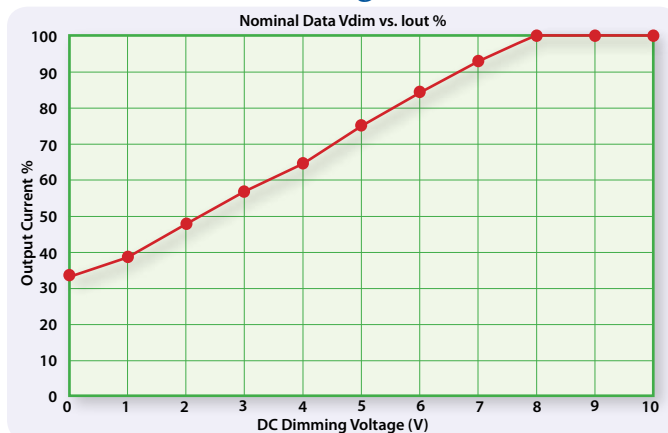
The new LED Programmable Driver from NMB offers a 22 ~ 40W power rating, 0 ~ 10V voltage dimming, high efficiency, and a user friendly programmable capability that facilitates rapid modification for customer specific applications. Utilizing the practical programming kit (available separately), which includes a programming unit and a USB cable, the desired output current levels can be easily preset or adjusted as your application develops. The CLSD002A programmable model is designed for retail lighting and commercial applications, product displays, industrial spaces, and environments where dust or moisture is a concern.

Programmable Range



* Note: Programming the current of the CLSD Series Drivers requires the use of the CLSD005 Programming Box plus NMB's LED Driver Set-up Application Software. Please refer to our website at www.nmbtc.com/lighting for additional information.

Dimming Ratio



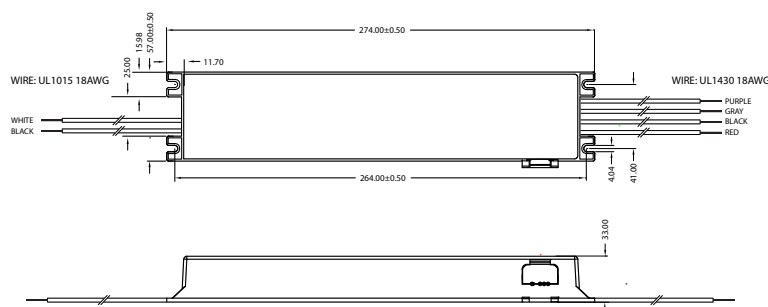
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www.nmbtc.com/lighting

LED Driver Programmable Output Current Coverage

LOW & HIGH CURRENT LED DRIVER - 22W~40W POWER RATING				
PART NUMBER	DC Voltage Output [Vdc]		Current Output [mA]	
	Min.	Max.	Min.	Max.
CLSD002A	10	42	700	2200
ELECTRICAL SPECIFICATIONS				
Universal AC Input Voltage	90-277 (Typical 100 VAC/240 VAC)			
Input Frequency	50/60Hz			
Inrush Current	<45A (Max)			
Dimming Ratio	35%			
Input Power at No Load	1.5W (Max)			
Input Power at Full Load	50W (Max)			
Efficiency at Full Load	87%			
CONTROL & PROTECTION				
Current Limit	Programmable (using CLSD005 Programming Box)			
Protection	Short Circuit / Overvoltage / Overtemperature			
ENVIRONMENTAL, SAFETY & MECHANICAL SPECIFICATIONS				
CRITERIA		SPECIFICATION		REFERENCE
Power Factor		>0.9		
Harmonics		Class C		IEC 61000-3-2
Isolation Voltage		3000VAC		Minimum
Surge Immunity		Level 3		IEC 61000-4-5
Temperature (around case)		-20°C to 60°C		Operating
Storage Temperature		-40°C to 85°C		Non-Operating
Lifetime (Minimum hours)		100,000		At Maximum Load (45°C 110V)
Weight		800g		Maximum
Ingress Protection		IP66		
Safety:	UL	8750 / 1310		Approved
	CSA	C22.2 No. 107 C22.2 No. 223		Approved
	EN	61347-1 / 61347-2-13		Approved
	EMC	FCC 47 CFR Part 15 Class B / EN61000-3-2 / EN61000-3-3		Compliant
	CE	EN61000-3-2 / EN61000-3-3		Compliant

Mechanical Drawing



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