

PROJECT NAME _____ MODEL NUMBER _____ TYPE _____

PRODUCT

IP20 — INDOOR



IP54 — DAMP LOCATION



IP67 — OUTDOOR / WET LOCATION



DESCRIPTION

Built specifically for DirectLED tape lights these drivers will provide constant voltage for years at a time, with minimal fluctuations in output. They are capable of dimming with all main styles of dimming, making it the easy choice when selecting a driver.

IP20
INDOOR

IP54
DAMP

IP67
OUTDOOR / WET

UNIVERSAL DIMMING — 5 BUILT-IN CAPABILITIES

Driver is universal dimming — all 5 protocols are standard features of every model, not separate options.

FORWARD PHASE

REVERSE PHASE

MLV

ELV

0-10V

24V
DC OUTPUT

110-277
VAC INPUT

0.95+
POWER FACTOR

SPECIFICATION FEATURES

Output	Constant voltage — 24VDC
Certifications	UL, cUL listed, Class 2, Class P
IP Rating	IP20 / IP54 / IP67
Dimming	Universal — ELV, MLV, TRIAC, Reverse Phase, 0-10V
Universal Input	110-277VAC
Efficiency	Up to 80%
Power Factor	Typical >0.95 (active PFC built in)
Load Range	0.01-100%
Safety Features	Short-circuit, over-temperature, overload protection
Materials	Full protection metal case; flicker-free
Location Rating	Dry (IP20), damp (IP54), wet location (IP67)

ORDERING MATRIX

DLX SERIES	5D	VOLTAGE	WATTAGE	IP RATING
DLX	5D Dims all of the below load types: FORWARD PHASE REVERSE PHASE MLV ELV 0-10V	24V	30	20
			60	54
			96	67
			150	
			300	

Example order code: DLX-5D-24V-96W-IP67

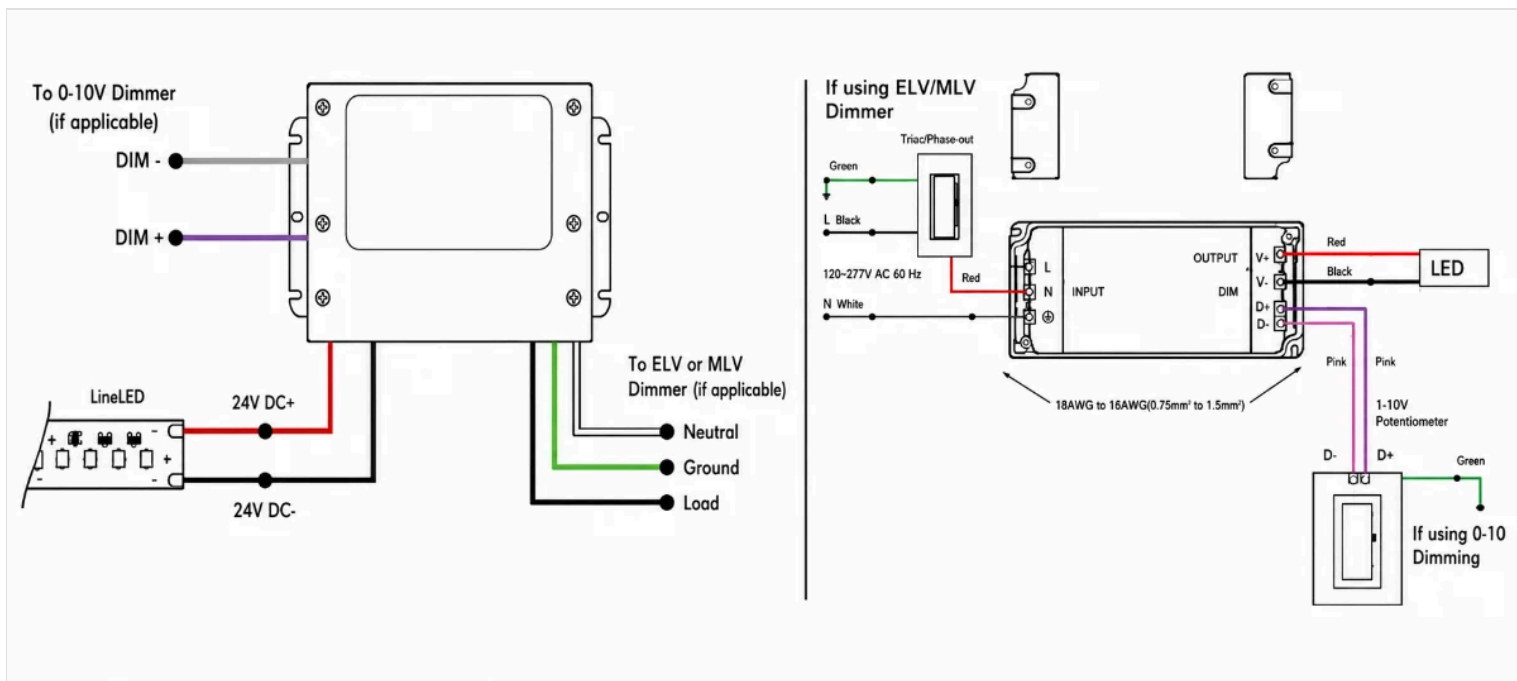
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PERFORMANCE DETAILS

PARAMETER	VALUE
GENERAL	
Certificates	UL, cUL listed, Class 2 unit, Type HL rated, FCC, NEMA 4X
Output Voltage	24VDC
Rated Current	2A
Rated Power	96W
OUTPUT REGULATION	
Voltage Tolerance	±0.5V
Voltage Regulation	±0.5%
Load Regulation	±1%
INPUT	
Input Voltage	110–277VAC
Frequency Range	47–63Hz
Power Factor (Typ.) @ Full Load	0.98 @ 120VAC 0.97 @ 277VAC
THD (Typ.) @ Full Load	<20% @ 120VAC and 277VAC
AC Current (Max.)	1.3A @ 110VAC
Inrush Current (Typ.)	20A, 50%, 1.6ms @ 120VAC 25A, 50%, 1.2ms @ 277VAC
Leakage Current	<0.50mA
PROTECTION	
Short Circuit	Protected
Over Loading	≤120% — Hiccup mode
Over Temperature	100°C ±10°C
ENVIRONMENT	
Operating Temperature	-40°C to +60°C
Working Humidity	20–90% RH, non-condensing
Storage Temp. / Humidity	-40°C to +80°C 10–95% RH
Temperature Coefficient	±0.03%/°C (0–50°C)
SAFETY & EMC	
Safety & EMC Standards	UL8750 + UL1310

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WIRING DIAGRAM



IP67

IP20 / IP54

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LINE DRAWING

