Dialight Lumidrives

CL2 SERIES

Frosted Lens Version

ETL LISTED US
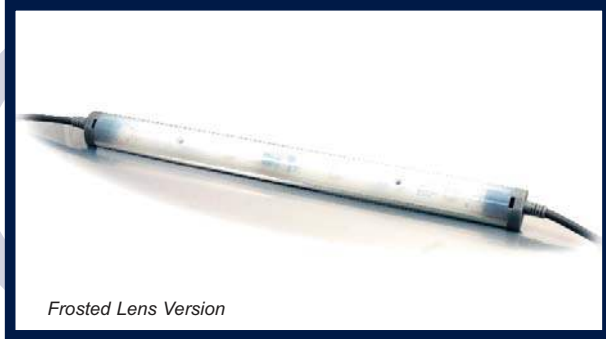
FEATURES / BENEFITS

▲ Ultra slim design, less than 1/2" (13mm) high

▲ 70% lumen maintenance @ 50,000+ hr life @ 25ºC ambient temperature

▲ Low energy use, no IR or UV emissions

▲ Modular "quick connect" system for easy installation

▲ Designed for even LED spacing over linear runs, no hotspots or dark spots between fixtures

▲ Cool to touch, suitable for direct mounting on flammable surfaces

▲ Onboard constant current driver with low voltage input

▲ ETL listed to UL standards for dry locations

▲ Utilizes the latest high efficiency LED technology

APPLICATIONS

The CL2 Series is designed for use in a wide range of lighting applications, especially areas which benefit from its ultra slim profile, low energy and long operating life. Designed around the latest LED technology, the CL2 series represents true innovation in lighting, delivered in a package which blends seamlessly into it's surroundings. Sample applications include, but not limited to: Cove and cornice lighting, shelf lighting, integrated into furniture, under counters, stair hand rails, display cases, task lighting.

OPERATING CONDITIONS

▲ Ambient temperature   -20ºC to +40ºC (-4ºF to +104ºF)

▲ Input voltage 24VDC. Use only class 2 power supplies

▲ Power consumption 5.3W per module
Does not include power supply losses

▲ Max # of modules connected per run = 20. Up to 16 modules can be operated on a 100W power supply

MATERIALS/FINISH

▲ Anodized aluminum module base with polycarbonate lens

▲ Plug & play connector system

▲ Onboard constant current driver

▲ 4 high output 1W LEDs per module

▲ 20AWG, PTFE cable - UL rated E213967, 300V, 80ºC

ORDERING INFORMATION

Lens Option ─┐
C L 2 - [A] - [B]
Color ─┘
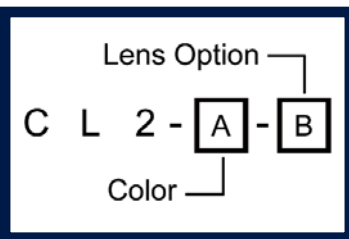
LED Color	Catalog Number (A)	Typical CCT	Min Luminous Flux per Module (lumens)	Typical Luminous Flux per Module (lumens)	CRI	Lens (B)
Cool White	C	5000K	288	342	75	C = Clear
Neutral White	N	4100K	242	288	75	
Warm White	W	3000K	204	242	75	F = Frosted
High CRI Warm White	Z	3000K	171	204	92	

Note: Special colors available, consult factory.
LED data is LED manufacturers test data at 25°C Tj. Light output at max acceptable ambient temp will be approximately 15-20% lower depending on the thermal conductivity of the mounting surface. Clear lens will reduce fixture light output by additonal 8-10%, and frosted lens by additional 30%.

Connectors (sold separately)

CL2-E2E = End to end module connector
CL2-FLEX = 63mm / 2.5" flexible end to end connector
CL2-EXTEND = 952mm / 37.5" flexible end to end connector

CL2-START = 3m / 9' 10" start cable (supplies power to first module)
CL2-END = End plug

PRIVATE LABEL OEM PROGRAM

MDEXLUMCL2_A

9.8 FT/ 3m POWER SUPPLY CABLE
CONNECT TO CLASS 2 LOW VOLTAGE POWER SUPPLY

A

MOUNTING HOLES USE # 6 MACHINE SCREWS

2.72 [69,2]   6.05 [153,7]   5.76 [146,3]

C

11.50 [292,1]   .31 [7,9]

B

23.93 [607,9]

END VIEW

11.95 [303,6]

.485 [12,33]

A. CL2-START   B. CL2-E2E   C. CL2-FLEX

D

1.00 [25,4]

D. CL2-END   E. CL2-EXTEND

(PHOTOS NOT TO SCALE)

Dimensions in inches (mm)
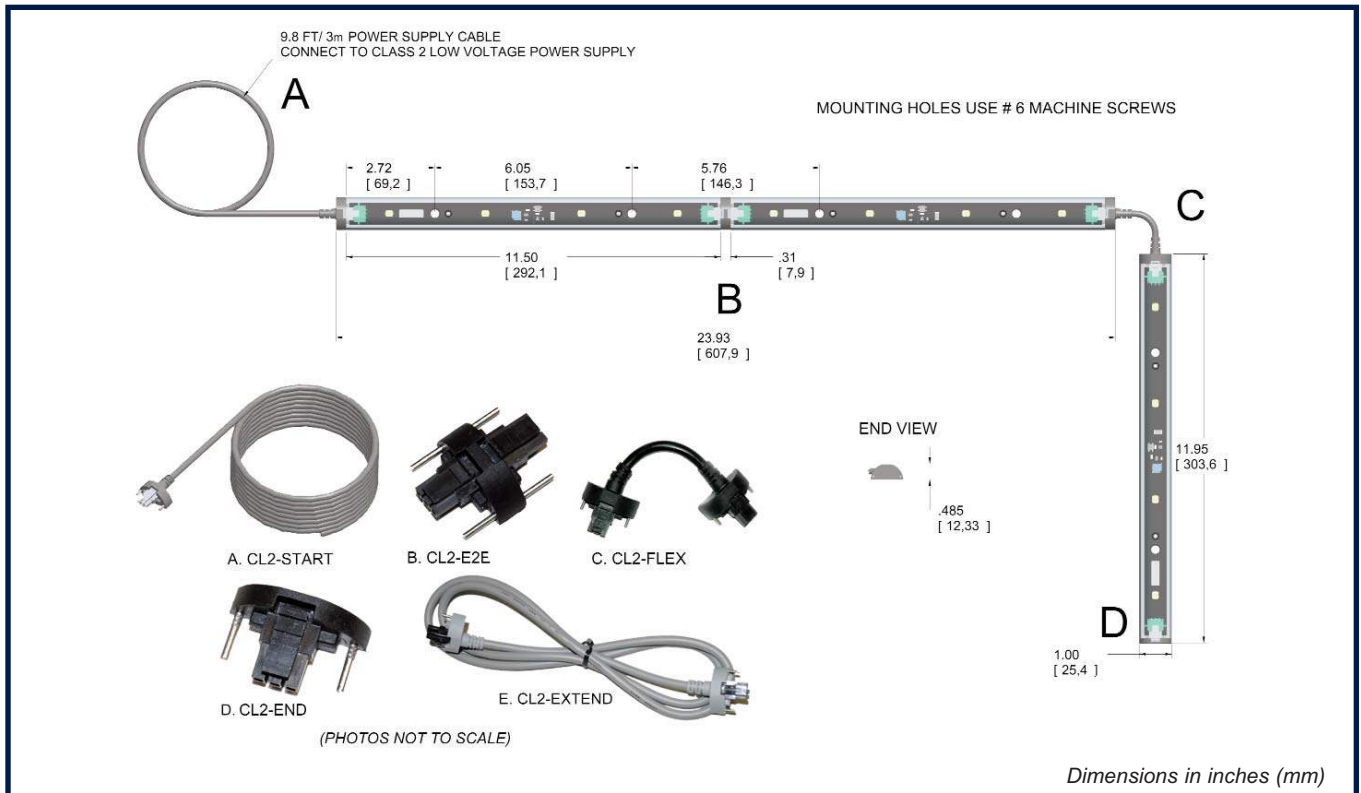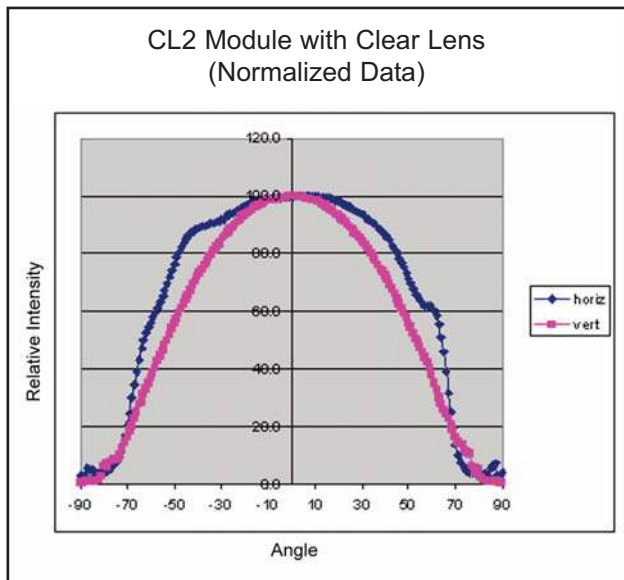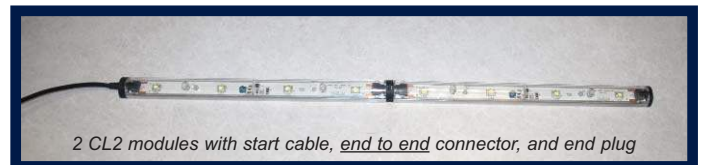
Requires Class 2 low voltage power supply (purchased separately)
Total power consumption of modules should not exceed rating of power supply
Observe minimum rating of power supply used

PHOTOMETRIC DATA

CL2 Module with Clear Lens
(Normalized Data)

Relative Intensity vs Angle

- horiz
- vert

IES 32 files available - consult factory

2 CL2 modules with start cable, <u>end to end</u> connector, and end plug

2 CL2 modules with start cable, <u>flex</u> connector, and end plug

Dialight reserves the right to make changes at any time in order to supply the best product possible.

PRIVATE LABEL OEM PROGRAM

MDEXLUMCL2_A