

# NDSC

## Decolome 12V/24V Low Voltage Linear Lighting System

### LAMP WATTAGE

- 5VA 12V Festoon Incandescent
- 10VA 12V Festoon Incandescent
- 3VA 24V Festoon Xenon
- 5VA 24V Festoon Xenon
- 10VA 12V Festoon Xenon
- 10VA 24V Festoon Xenon
- 20MR11 20VA 12V MR11 Halogen
- 20MR11 20VA 24V MR11 Halogen
- 35MR11 35VA 12V MR11 Halogen

### DESCRIPTION

Low voltage, 12V or 24V, linear lighting system with festoon sockets spaced at regular intervals. Preset spacing as close as 3", with custom spacings available for special applications. System allows use with double-ended festoon incandescent or xenon, or MR11 halogen light sources.

### APPLICATIONS

- Indoor, Dry Location Only

### FEATURES

- Heavy duty vinyl insulator
- Injection molded socket enclosures, connectors, and components
- UL Listed
- Optional reflectors
- 3500 - 10,000 hour lamp life
- Easy and secure electrical connections

### CABLE

- Solid core .20 vinyl construction
- Dual 10G 30A stranded cable
- .06 Injection molded socket housings, regular or custom spacing

### SOCKETS

- .03 Stainless steel dual ended festoon sockets
- Solid core triangular polycarbonate component housing stainless steel bi-pin socket for MR11 lamps, with .35 solid steel electrical connections to snap into existing festoon sockets.

### ELECTRICAL

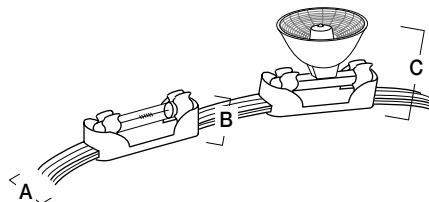
- Source: Replaceable T3-1/4 festoon or MR11
- Lamp Spacing: preset or custom
- Input Voltage: 120V
- Maximum Load: 25A
  - 12V: 276VA\*
  - 24V: 552VA\*
- Maximum Distance: Obtain by calculating wattage per foot. Examples:
  - 35MR11 12V 4" o/c = 105VA/ft divided into 276 = 2.6'
  - 5VA 24V Xenon 3" o/c = 20VA/ft divided into 552 = 27.6'
- Estimated Life: MR11: 3,500 hours  
Festoon: 10,000 hours

\* Actual wattage calculated at 23A to prevent accidental breaker activation.

### PRODUCT MATRIX

Catalog #	Socket Spacing
NDSC-3	3"/76mm
NDSC-4	4"/102mm
NDSC-6	6"/152mm
NDSC-8	7-7/8"/20cm
NDSC-20	19-5/8"/50cm
NDSC-30	29-1/2"/75cm
NDSC-BC	Custom

### DIMENSIONS



### NDSC

A: Width	3/4"	(19 mm)
B: Height (Festoon)	1"	(26 mm)
C: Height (MR11)	2-1/8"	(54 mm)

### TRANSFORMER

- Accessory NET series 120V/12V transformers range from 60 to 150 watts, and are dimmable with standard incandescent controls. Transformer must be placed within 3' of NDSC light strip. NET transformers are UR (UL Recognized) components.
- NFL-210 65VA 120V/12V is also dimmable with standard controls, and may be placed within 20 feet of lighting strip. NFL-210 is UL Listed.

*Note: For higher wattage or 24V requirements, use any UL listed transformer from other manufacturers rated at or above total wattage demand of lighting system.*

### INSTALLATION

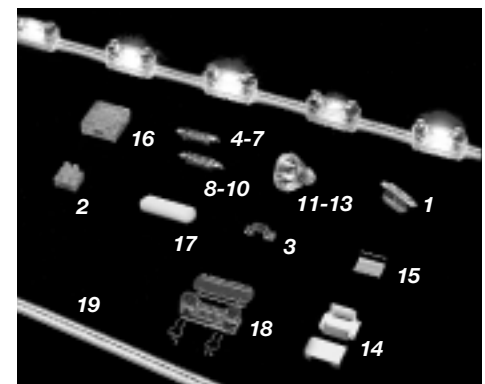
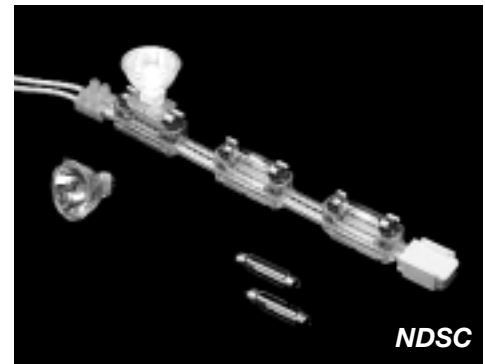
NDSC installs easily via NDSA-3 mounting clips (see accessories) or simple insulated staples. Product may also be installed in a pre-cut groove in building or architectural material surface. Note that .7" (17.54mm) is required for end power feed outer width.

### UL LISTED

UL Listed, Indoor Dry Locations only.

### ACCESSORIES

- NET-60 120V/12V 60VA Transformer
- NET-75 120V/12V 75VA Transformer
- NET-100 120V/12V 100VA Transformer
- NET-150 120V/12V 150VA Transformer
- NFL-210 120V/12V 65VA Tfmr w/ Cord & Plug



### DECOLOME COMPONENTS

- MR11 Lamp Socket.....NDSA-1
- Terminal Block.....NDSA-2
- Mounting Clip.....NDSA-3
- Festoon Incandescent Lamp 5W/12V.....NDSL-5
- Festoon Xenon Lamp 5W/12V.....NDSL-5X
- Festoon Xenon Lamp 3W/24V.....NDSL-3X/24
- Festoon Xenon Lamp 5W/24V.....NDSL-5X/24
- Festoon Incandescent Lamp 10W/12V.....NDSL-10
- Festoon Xenon Lamp 10W/12V.....NDSL-10X
- Festoon Xenon Lamp 10W/24V.....NDSL-10X/24
- MR11 Halogen Lamp 20W/12V.....NDSL-20
- MR11 Halogen Lamp 20W/24V.....NDSL-20/24
- MR11 Halogen Lamp 35W/12V.....NDSL-35
- End Cap.....NDSA-7
- Reflector.....NDSA-8
- Cross Connector.....NDSA-9
- Mounting Adhesive Pad.....NDSA-10
- Two Piece Lamp Holder Kit.....NDSL-LH
- 10G 30A Decolome Cable.....NDSC-BC