

# DIRECT/INDIRECT SURFACE MOUNT

# DIS

## LED

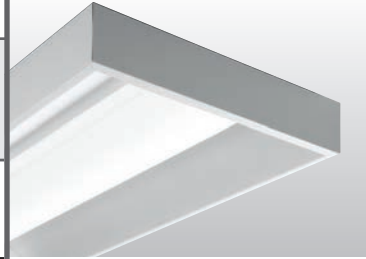
CATALOG #: \_\_\_\_\_ TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_

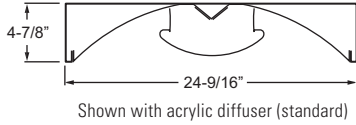
NOTES: \_\_\_\_\_

**EXAMPLE** **DIS - 2 4 - L98/835 - AD - OPTIONS - DIM - UNV**

SERIES    NOM. W.    NOM. L.    LUMEN PACKAGE    CRI & CCT    SHIELDING    OPTIONS    DRIVER    VOLTAGE



### CROSS SECTION



### ORDERING INFORMATION

**SERIES**  
DIS Direct/Indirect Surface Mount

**NOMINAL WIDTH**  
2 2'

**NOMINAL LENGTH**  
2 2'  
4 4'

#### LED PACKAGE

| Example: L98/835 |                |  |         |
|------------------|----------------|--|---------|
| LUMEN PACKAGE    | NOMINAL LUMENS | MINIMUM CRI & CCT  | WATTAGE |
| <b>2x2</b>       |                |  |         |
| L24              | 2400           | 830 = 80CRI, 3000K   | 22      |
| L32              | 3200           | 835 = 80CRI, 3500K   | 30      |
| L48              | 4800           | 840 = 80CRI, 4000K<br>850 = 80CRI, 5000K   | 40      |
| <b>2x4</b>       |                |  |         |
| L50              | 5000           | 830 = 80CRI, 3000K<br>835 = 80CRI, 3500K<br>840 = 80CRI, 4000K<br>850 = 80CRI, 5000K | 51      |
| L64              | 6400           |  | 56      |
| L88              | 8800           |  | 73      |
| L98              | 9800           |  | 84      |

Nominal lumen output based on 3500 CCT and AD shielding. Actual lumens may vary. see fixture performance data on back. Additional LED lumen packages available, see options.

**SHIELDING**  
See page 3 for shielding details.  
AD Ribbed acrylic (standard)  
WPR White perforated round  
WPRL White perforated with round louver  
WPASL White perforated with aluminum solid louver  
WPR/SPLIT White perforated round with split  
WPR/ACRY/CTR/CLR White perforated round with center clear acrylic (consult factory for additional colors)

**OPTIONS**  
EM/10W (L\_\_) 10-watt emergency driver  
Additional lower lumen packages available. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.  
**Example:** 7,000 nominal lumens = DIS-24-L88/850-(L70).

**DRIVER**  
Additional dimming drivers available, see [Technical Info.](#)  
DRV Driver prewired for non-dimming applications  
DIM 10% dimming driver prewired for 0-10V low voltage applications

**VOLTAGE**  
120 120V  
277 277V  
UNV 120-277V  
347 347V (not available with EM drivers)

### FEATURES

- ▶ Ribbed acrylic diffuser (standard) shields LEDs from direct view.
- ▶ Power and light levels can be custom set to meet energy and design needs.
- ▶ Multiple dimming protocols available.
- ▶ Up to 4800 (2' x 2') or 9800 (2' x 4') nominal lumens.
- ▶ Minimum 80 CRI; 3000K, 3500K, 4000K, or 5000K CCT.
- ▶ This fixture is proudly made in the USA.



## LED

### SPECIFICATIONS

**Housing** – 20-gauge die-formed C.R.S.  
**Reflector** – Precision-formed C.R.S. with highly reflective non-glare matte white polyester powder coat.  
**Shielding** – Ribbed acrylic standard.  
**Finish** – Highly reflective non-glare matte white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.  
**Electrical** – High quality mid-power LED boards. Rated for 50,000 hours at 70% lumen maintenance (L70).  
**Mounting** – Surface or suspended with stem and canopy.  
**Labels** – cETLus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations.  
**Warranty** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

### IMPORTANT:

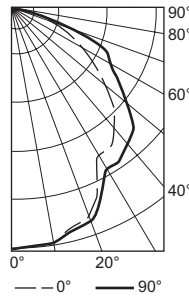
Electrostatic sensitive unit. Observe precautions when handling.

| SHIELDING MULTIPLIERS |      |
|-----------------------|------|
| WPR                   | 0.78 |
| WPRL                  | 0.85 |
| WPASL                 | 0.83 |
| WPR/SPLIT             | 0.75 |
| WPR/ACRY              | 0.76 |

Note: Shielding multipliers also apply to (L\_\_ option).

### PHOTOMETRY

**DIS-S24-L98/835-AD** Report #: 19231.0; 02/26/16 | Total Luminaire Output: 9796 lumens; 85.7 Watts  
 Efficacy: 114.4 lm/W | 84.7 CRI; 3531K CCT | IES Spacing Crit.: End: 1.1, Across: 1.2, Diagonal: 1.2



| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE |       |       | ZONAL LUMENS |
|--------------------------|----------------|------------------|-------|-------|--------------|
|                          |                | 0°               | 45°   | 90°   |              |
| 0                        |                | 3546.            | 3546. | 3546. |              |
| 5                        |                | 3504.            | 3503. | 3505. | 334.4        |
| 15                       |                | 3334.            | 3358. | 3378. | 951.5        |
| 25                       |                | 2941.            | 3008. | 3062. | 1390.5       |
| 35                       |                | 2502.            | 2639. | 2739. | 1652.6       |
| 45                       |                | 2131.            | 2359. | 2501. | 1811.0       |
| 55                       |                | 1502.            | 1758. | 1917. | 1556.5       |
| 65                       |                | 997.             | 1294. | 1549. | 1277.1       |
| 75                       |                | 500.             | 679.  | 611.  | 648.6        |
| 85                       |                | 141.             | 156.  | 171.  | 173.4        |
| 90                       |                | 0.               | 0.    | 0.    |              |

| LUMEN SUMMARY | ZONE    | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
|               | 0 - 30  | 2676.  | 27.3      |
|               | 0 - 40  | 4329.  | 44.2      |
|               | 0 - 60  | 7697.  | 78.6      |
|               | 0 - 90  | 9796.  | 100.0     |
|               | 0 - 180 | 9796.  | 100.0     |

### FIXTURE PERFORMANCE DATA

Use shielding multiplier table to calculate additional options.

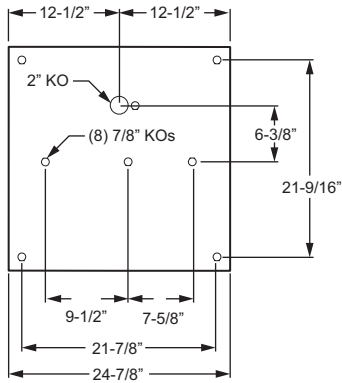
| LED PACKAGE | DIFFUSER | DELIVERED LUMENS | WATTAGE | EFFICACY (LM/W) |
|-------------|----------|------------------|---------|-----------------|
| <b>2x2</b>  |          |                  |         |                 |
| L24/830     | AD       | 2380             | 22      | 109.5           |
| L24/835     | AD       | 2454             | 22      | 112.9           |
| L24/840     | AD       | 2513             | 22      | 115.6           |
| L24/850     | AD       | 2586             | 22      | 119.0           |
| L32/830     | AD       | 3160             | 30      | 106.8           |
| L32/835     | AD       | 3258             | 30      | 110.1           |
| L32/840     | AD       | 3346             | 30      | 113.1           |
| L32/850     | AD       | 3452             | 30      | 116.7           |
| L48/830     | AD       | 4669             | 40      | 117.9           |
| L48/835     | AD       | 4812             | 40      | 121.6           |
| L48/840     | AD       | 4907             | 40      | 124.0           |
| L48/850     | AD       | 5153             | 40      | 130.2           |
| <b>2x4</b>  |          |                  |         |                 |
| L50/830     | AD       | 4896             | 51      | 99.2            |
| L50/835     | AD       | 5047             | 51      | 102.2           |
| L50/840     | AD       | 5184             | 51      | 104.9           |
| L50/850     | AD       | 5341             | 51      | 109.7           |
| L64/830     | AD       | 6239             | 56      | 111.6           |
| L64/835     | AD       | 6433             | 56      | 115.1           |
| L64/840     | AD       | 6608             | 56      | 118.2           |
| L64/850     | AD       | 6907             | 56      | 123.6           |
| L88/830     | AD       | 8538             | 73      | 117.3           |
| L88/835     | AD       | 8848             | 73      | 121.5           |
| L88/840     | AD       | 9021             | 73      | 123.9           |
| L88/850     | AD       | 9332             | 73      | 128.2           |
| L98/830     | AD       | 9481             | 84      | 114.1           |
| L98/835     | AD       | 9796             | 84      | 117.9           |
| L98/840     | AD       | 10053            | 84      | 121.0           |
| L98/850     | AD       | 10355            | 84      | 124.6           |

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results scaled based on relative CCT output.

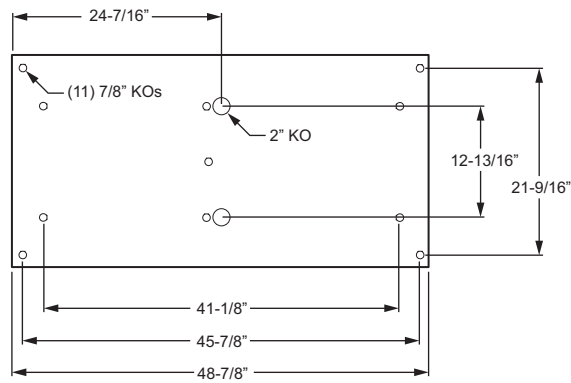
FIXTURE DETAILS

BACKVIEWS

2x2

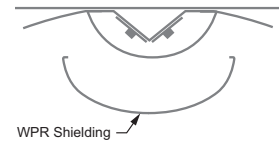


2x4



SHIELDING OPTIONS

SHIELDING DETAIL



AD



WPR



WPRL



WPASL



WPR/SPLIT



WPR/ACRY/CTR/CLR

