

RECESSED DIRECT/INDIRECT – AIR RETURN

DI

2x2 | 2x4 LED



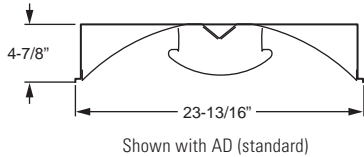
CATALOG #: _____ TYPE: _____

PROJECT: _____ NOTES: _____

EXAMPLE → **DI G - AR 2 4 - L98/835 - AD - OPTIONS - DIM - UNV**

SERIES CEILING TYPE FIX. STYLE NOM. W. NOM. L. LUMEN PACKAGE CRI & CCT SHIELDING OPTIONS/ACCESSORIES DRIVER VOLTAGE

CROSS SECTION



ORDERING INFORMATION

SERIES
DI Recessed Direct/Indirect – Air Return

CEILING TYPE
G NEMA Type "G"
SG Screw slot NEMA Type "SS" (earthquake clips included)

FIXTURE STYLE
AR Air return only (through side slots)

NOMINAL WIDTH
2 2'

NOMINAL LENGTH
2 2'
4 4'

LED PACKAGE

Example: L98/835			AVERAGE SYSTEM WATTAGE
LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI & CCT	
2x2			
L24	2400	830 = 80CRI, 3000K	22
L32	3200	835 = 80CRI, 3500K 840 = 80CRI, 4000K	30
L48	4800	850 = 80CRI, 5000K	40
2x4			
L50	5000	830 = 80CRI, 3000K 835 = 80CRI, 3500K 840 = 80CRI, 4000K 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 10-watt emergency driver
EQCLIPS (L__) Earthquake clips (4 per fixture). 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 = DIG-AR24-L88/850-(L70).

DRIVER
 Additional dimming drivers available, see [Technical Info](#).
DRV Driver prewired for non-dimming applications
DIM Driver prewired for 0-10V low voltage dimming 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.
- ▶ Black reveal minimizes appearance of dirt and dust resulting from air return function.
- ▶ Multiple dimming protocols available.
- ▶ Minimum 80 CRI; 3000K, 3500K, 4000K, or 5000K CCT.
- ▶ Shallow housing depth.
- ▶ This fixture is proudly made in the USA.



2x2 | 2x4 LED

SPECIFICATIONS

Housing – 20-gauge die-formed C.R.S.
Reflector – Precision die-formed C.R.S. with highly reflective non-glare matte white polyester powder coated finish.
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 > 50,000 hours at 70% lumen maintenance (L70).
Mounting – NEMA Type “G” standard. NEMA Type “SS” available (earthquake clips included).
Listings –

- cETLus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations.
- DesignLights Consortium qualified product. Not all versions of this product may be DLC qualified, see the DLC Qualified Products List at www.designlights.org/QPL.

Warranty – 5-year limited warranty, see hew.com/warranty.

IMPORTANT:

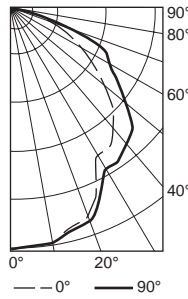
Electrostatic sensitive unit. Observe precautions when handling.

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

DIG-AR24-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, Diag.: 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.

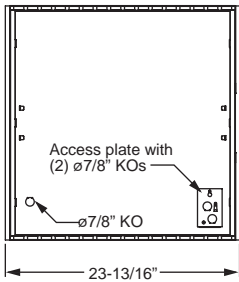
LED PACKAGE	DIFFUSER	DELIVERED LUMENS	WATTAGE	EFFICACY (LM/W)
2x2				
L24/830	AD	2380	22	109.5
L24/835	AD	2454	22	112.9
L24/840	AD	2513	22	115.6
L24/850	AD	2586	22	119.0
L32/830	AD	3160	30	106.8
L32/835	AD	3258	30	110.1
L32/840	AD	3346	30	113.1
L32/850	AD	3452	30	116.7
L48/830	AD	4669	40	117.9
L48/835	AD	4812	40	121.6
L48/840	AD	4907	40	124.0
L48/850	AD	5153	40	130.2
2x4				
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.

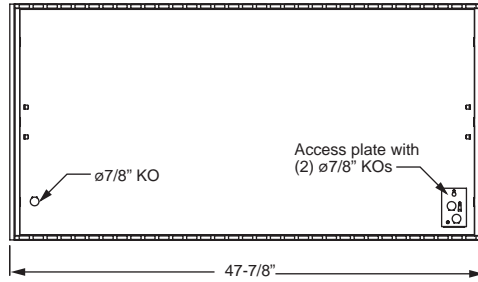
FIXTURE DETAILS

BACKVIEW

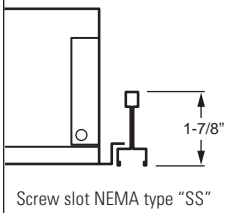
2x2



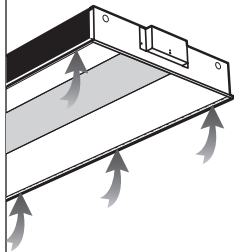
2x4



SLOT GRID (Williams' SG)

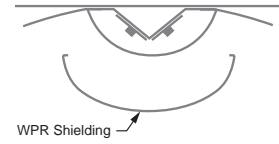


AIR RETURN



SHIELDING OPTIONS

SHIELDING DETAIL



AD



WPR



WPRL



WPASL



WPR/SPLIT



WPR/ACRY/CTR/CLR

