

RECESSED DIRECT/INDIRECT

DI

LED

CATALOG #: _____ TYPE: _____

PROJECT: _____ NOTES: _____

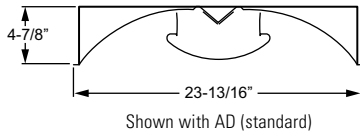
EXAMPLE

DI G - S 2 4 - L98/835 - AD - OPTIONS - DIM - UNV

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



CROSS SECTION



ORDERING INFORMATION

SERIES
DI Recessed Direct/Indirect

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

For flange installations use the Drywall Kit (DFK), ordered separately, see [Technical Info](#).

FIXTURE STYLE
S Static, no air capability

NOMINAL WIDTH
2 2'

NOMINAL LENGTH
2 2'
4 4'

LED PACKAGE

Example: L98/835			
LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI & CCT	WATTAGE
2x2			
L24	2400	827 = 82 CRI, 2700K 830 = 80CRI, 3000K 835 = 80CRI, 3500K	22
L32	3200		30
L48	4800		40
2x4			
L50	5000	840 = 80CRI, 4000K	51
L64	6400	850 = 80CRI, 5000K	56
L88	8800		73
L98	9800		86

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 Earthquake clips (4 per fixture)
(L__) 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-S24-L88/850-(L70).
CP Chicago Plenum (CCEA)

ACCESSORIES
See Technical Info for [Drywall Kit](#) details.
DFK-2424W Drywall kit, 24" x 24", white
DFK-2448W Drywall kit, 24" x 48", white

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

- ▶ Efficacies up to 130 lm/W.
- ▶ Provides soft, uniform illumination.
- ▶ Choice of 6 diffusers.
- ▶ 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.
- ▶ Rated for direct contact with insulation.
- ▶ Shallow housing depth.
- ▶ This fixture is proudly made in the USA.



LED

FIXTURE PERFORMANCE DATA

Use shielding multiplier table to calculate additional options.

LED PACKAGE	DIFFUSER	DELIVERED LUMENS	WATTAGE	EFFICACY (LM/W)
2x2				
L24	AD	2454	22	112.9
L32	AD	3258	30	110.1
L48	AD	4812	40	121.6
2x4				
L50	AD	5047	51	102.2
L64	AD	6433	56	115.1
L88	AD	8848	73	121.5
L98	AD	9796	86	114.4

- 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 based on 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

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 for 50,000 hours at 70% lumen maintenance (L70).

Mounting – NEMA Type “G” standard. NEMA Type “SS” available (earthquake clips included). For flange installations use the Drywall Kit (DFK), ordered separately, see [Technical Info](#).

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.
- IC-rated for direct contact with insulation.
- City of Chicago Environmental Air approved when specified with CP option.

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

IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

MULTIPLIER TABLES

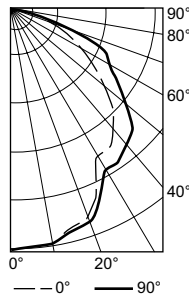
COLOR TEMPERATURE	
CCT/CRI	CONVERSION FACTOR
2700K/80CRI	0.97
3000K/80CRI	0.99
3500K/80CRI	1.00
4000K/80CRI	1.03
5000K/80CRI	1.06

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-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



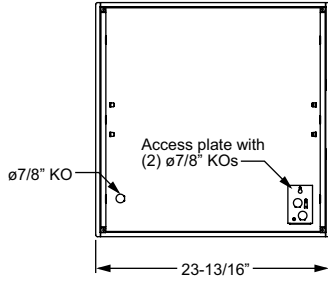
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	3546.	3546.	3546.	
5	3504.	3503.	3505.	334.4
15	3334.	3358.	3378.	951.5
25	2941.	3008.	3062.	1390.5
35	2502.	2639.	2739.	1652.6
45	2131.	2359.	2501.	1811.0
55	1502.	1758.	1917.	1556.5
65	997.	1294.	1549.	1277.1
75	500.	679.	611.	648.6
85	141.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

LUMEN SUMMARY	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

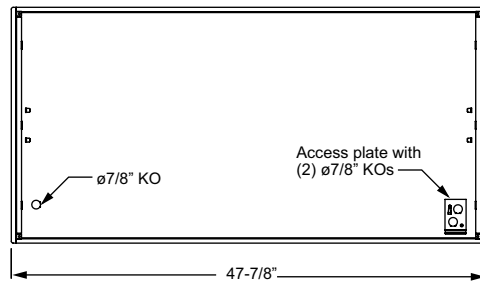
FIXTURE DETAILS

BACKVIEW

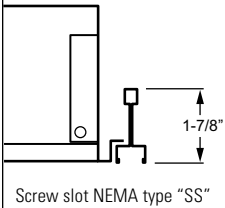
2x2



2x4



SLOT GRID (Williams' SG)



SHIELDING OPTIONS

AD



WPR



WPRL



WPASL



WPR/SPLIT



WPR/ACRY/CTR/CLR

