

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

TYPE: \_\_\_\_\_

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

**FEATURES**

- Transparent lensed door provides a barrier between the room and the diffuser to discourage vandals and minimize contaminants
- Double or triple gasketing options available
- Ribbed acrylic diffuser shields LEDs from direct view
- Fully enclosed spring-loaded cam latches allow years of hassle-free maintenance
- T-slot steel hinge allows reversible hinging and latching and ensures positive retention when door is opened
- Optional anti-microbial white finish available for use in healthcare applications
- Maximize energy savings with efficacies as high as 141 lm/
- Made Right Here® in the USA

**SPECIFICATIONS**

- HOUSING – 22-gauge die-formed C.R.S.
- DOOR FRAME & LENS – Transparent acrylic lens, .080” thick, mounted in .050” thick extruded aluminum door frame, flat with mitered corners.
- REFLECTOR – Precision die-formed C.R.S. with highly reflective, non-glare matte white polyester powder coated finish.
- SHIELDING – .125” frosted ribbed acrylic diffuser.
- FINISH – 92% minimum average reflective 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. L70 at 50,000 hours.
- MOUNTING – NEMA Type “G” standard. NEMA Type “F” available.
- LISTINGS –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - City of Chicago Environmental Air approved when specified with CP option.
- WARRANTY – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

**ORDERING EXAMPLE: DILG - S24 - L64/835 - FAD - OPTIONS - DIM - UNV**

**ORDERING INFO**

SERIES	CEILING TYPE	FIXTURE STYLE	WIDTH	LENGTH	LUMENS <sup>[1]</sup>	CRI	CCT
DIL	G NEMA Type “G”	S Full door frame, no reveal	2 2’	2 2’	2x2	8 80	27 2700K
					L25 2,500lm	9 90 <sup>[3]</sup>	30 3000K
	F NEMA Type “F” <sup>[2]</sup>		L32 3,200lm		35 3500K		
			L45 4,500lm		40 4000K		
			2x4		50 5000K		
			L51 5,100lm				
L64 6,400lm							
L89 8,900lm							

DOOR FRAME	SHIELDING	OPTIONS <sup>[4]</sup>
F Flat aluminum	AD Acrylic WPR White perforated round	EM/10WLP Low-profile 10-watt emergency battery EQCLIPS Earthquake clips <sup>[5]</sup> DG Double gasket <sup>[6]</sup> TG Triple gasket <sup>[7]</sup> (L___) Additional lower lumen packages available. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package. <b>Example:</b> 7,500 nominal lumens = DILG-S24-L89/835-(L75)
		CP Chicago plenum (CCEA) AMW Anti-microbial white finish

CONTROL <sup>[8]</sup>	VOLTAGE
DRV Non-dimming driver	120 120V
DIM Dimming driver	277 277V
	UNV 120-277V
	347 347V <sup>[9]</sup>

**NOTES**

- <sup>1</sup> Lumen output based on 3500K/80CRI, AD Shielding.. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see options.
- <sup>2</sup> See page 3 for NEMA TYPE “F” INSTALLATION.
- <sup>3</sup> Extended lead times may apply. Consult factory for availability.
- <sup>4</sup> See Technical Info for DRYWALL KIT and POWER ENTRY details.
- <sup>5</sup> 4 clips per fixture.
- <sup>6</sup> See page 3 for GASKETING DETAILS.
- <sup>7</sup> See page 3 for GASKETING DETAILS.
- <sup>8</sup> See page 2 for ADDITIONAL CONTROL OPTIONS.
- <sup>9</sup> Not available with EM battery.

## FIXTURE PERFORMANCE DATA

	LUMEN PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (LM/W)
2x2	L25	2614	19.6	133.5
	L32	3202	23.9	133.9
	L45	4405	31.2	141.1
2x4	L51	5228	37.7	138.8
	L64	6515	48.0	135.6
	L89	8903	62.8	141.8

## MULTIPLIER TABLES

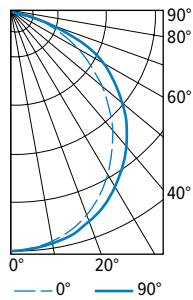
	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
80 CRI	2700K	0.97
	3000K	0.99
	3500K	1.00
	4000K	1.03
	5000K	1.06
90 CRI	2700K	0.80
	3000K	0.82
	3500K	0.83
	4000K	0.86
	5000K	0.89

	SHIELDING MULTIPLIER	
	CATALOG NUMBER	CONVERSION FACTOR
2x4 2x2	WPR	0.75
	WPR	0.79

- 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, AD Shielding. Actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

## PHOTOMETRY

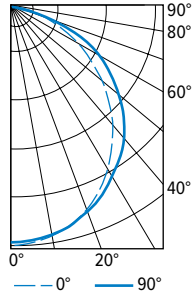
**DILG-S22-L45/835-FAD** Total Luminaire Output: 4405 lumens; 31.2 Watts | Efficacy: 141 lm/W | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1729	1729	1729	
5	1720	1716	1719	163
15	1635	1648	1665	465
25	1473	1507	1545	694
35	1245	1304	1369	816
45	980	1058	1150	818
55	698	781	903	706
65	422	500	595	495
75	176	211	214	217
85	20	25	19	33
90	2	3	2	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2137	49
	0 - 60	3660	83
	0 - 90	4405	100
	0 - 180	4405	100

**DILG-S24-L89/835-FAD** Total Luminaire Output: 8903 lumens; 62.8 Watts | Efficacy: 142 lm/W | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	3439	3439	3439	
5	3470	3407	3405	325
15	3289	3258	3280	922
25	2960	2970	3030	1373
35	2531	2598	2703	1629
45	2013	2133	2257	1644
55	1450	1590	1765	1433
65	897	1049	1179	1028
75	389	442	449	471
85	51	56	56	77
90	3	3	3	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	4249	48
	0 - 60	7326	82
	0 - 90	8903	100
	0 - 180	8903	100

## ADDITIONAL CONTROL OPTIONS

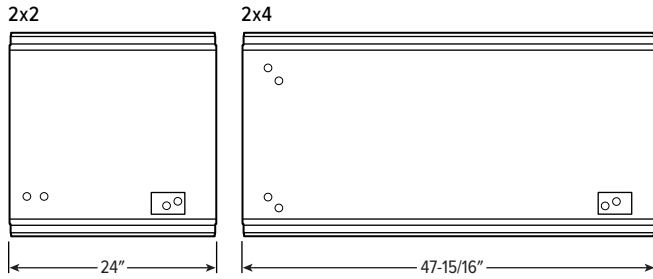
Note: Lumen restrictions apply, consult product builder at [hew.com/product-builder](http://hew.com/product-builder).

CATALOG NUMBER	DESCRIPTION
DRV	Driver prewired for non-dimming applications
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (Must specify 120V or 277V only)
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LTE LINE	Lutron Hi-lume 1% 2-wire dimming driver forward phase line voltage controls (120V only)
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver
LDE5	Lutron 5-Series 5% EcoSystem dimming LED driver
ELDO SOLOB	EldoLED Solodrive, 0.1% dimming driver for 0-10V controls
ELDO SOLOB DALI	EldoLED Solodrive, 0.1% dimming driver for DALI controls
ELDO ECO1	EldoLED Ecodrive, 1% dimming driver for 0-10V controls
ELDO ECO1 DALI	EldoLED Ecodrive, 1% dimming driver for DALI controls

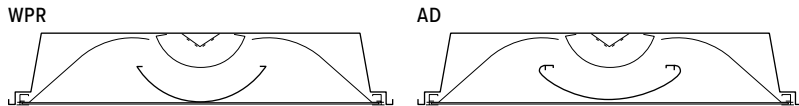


# DIL LED Recessed Direct/Indirect Lensed

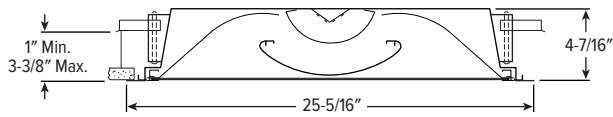
## FIXTURE DETAILS



## CROSS SECTIONS



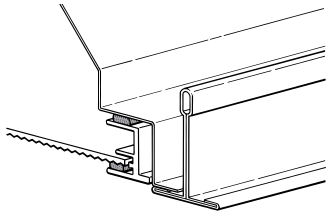
## NEMA TYPE "F" INSTALLATION



Note: Maximum recommended ceiling opening is 24-3/8" x 24-38" for 2'x2' and 24-3/8" x 48-3/8" for 2'x4'. For continuous row mounting, add 49-5/16" for each additional fixture to obtain ceiling opening. 1-5/16" between end plates.

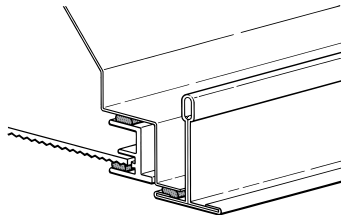
## GASKETING DETAILS

### DOUBLE GASKETING



Gasketing is factory-installed continuously between door frame and luminaire housing; and between door frame and lens.

### TRIPLE GASKETING



Gasketing is factory-installed continuously between door frame and luminaire housing; and between door frame and lens. Gasketing between bottom perimeter of unit (adjacent to T-bar or hardpan ceiling) is provided by factory and field installed.

