

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Support human-centric design with adaptive, individualized lighting using tunable white light
- Transparent lensed door provides a barrier between the room and the diffuser to discourage vandals and minimize contaminants
- Ribbed acrylic diffuser shields LEDs from direct view
- 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 125 lm/W
- 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 board. L70 > 50,000 hours per IES TM-21. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- MOUNTING – Designed for NEMA Type "G" 1" grid ceiling standard. For NEMA Type "NFG" and "SG" 9/16" grid installations, specify EQCLIPS option. 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.

ORDERING EXAMPLE: DILG - S24 - L65/8TW - FAD - OPTIONS - DALI - UNV

ORDERING INFO

SERIES	CEILING TYPE	FIXTURE STYLE	WIDTH	LENGTH	LUMENS ^[1]	CRI	CCT
DIL	G NEMA Type "G" F NEMA Type "F" ^[2]	S Full door frame, no reveal	2 2'	2 2'	2x2	8 80	TW Tunable white (3000K-5000K)
					L32 3,200lm		
			4 4'	L45 4,500lm	TW2 Tunable white (2700K-6500K)		
				2x4			
				L51 5,100lm			
				L65 6,500lm			

DOOR FRAME	SHIELDING	OPTIONS ^[4]
F Flat aluminum	AD Acrylic WPR White perforated round	EM/10WLP Low-profile 10-watt emergency battery EQCLIPS Earthquake clips ^[5] DG Double gasket ^[6] TG Triple gasket ^[7] (L__) Additional lower lumen packages available. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package. Example: 6,000 nominal lumens = DILG-S24-L65/8TW-(L60)
		CP Chicago plenum (CCEA) AMW Anti-microbial white finish

CONTROL	VOLTAGE
DALI Driver prewired for DALI applications	120 120V
DIM (1) 0-10V signal to control dimming (1) 0-10V signal to control CCT	277 277V
DMX Driver prewired for DMX applications	UNV 120-277V
PSQ Lutron T-Series 2-channel tunable white 1%.	

NOTES

- ¹ Lumen output based on 4000K/80CRI, AD Shielding. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see options.
- ² See page 3 for NEMA TYPE "F" INSTALLATION.
- ³ Extended lead times may apply. Consult factory for availability.
- ⁴ See Technical Info for DRYWALL KIT and POWER ENTRY details.
- ⁵ 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting. Not available with F Ceiling Type.
- ⁶ See page 3 for GASKETING DETAILS.
- ⁷ See page 3 for GASKETING DETAILS.

FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (LM/W)
2x2	L32	3231	27.4	118.1
	L45	4543	38.7	117.4
2x4	L51	5100	40.7	125.4
	L65	6596	52.5	125.7

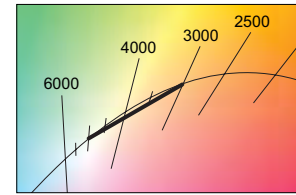
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 4000K, 80 CRI, AD Shielding. Actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

MULTIPLIER TABLE

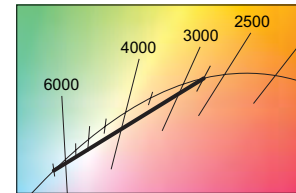
		COLOR TEMPERATURE			
	CCT	TW		TW2	
		LUMENS	WATTAGE	LUMENS	WATTAGE
80 CRI	2700K	-	-	0.93	1.02
	3000K	0.95	1.04	0.95	1.01
	3500K	0.98	1.02	0.98	1.00
	4000K	1.00	1.00	1.00	1.00
	5000K	0.96	1.04	1.02	1.00
	6500K	-	-	1.01	1.04
90 CRI	2700K	-	-	0.93	1.02
	3000K	0.91	1.03	0.95	1.01
	3500K	0.96	1.01	0.98	1.00
	4000K	1.00	1.00	1.00	1.00
	5000K	1.03	1.03	1.03	1.00
	6500K	-	-	1.02	1.04

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

TW

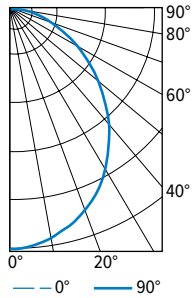


TW2



PHOTOMETRY

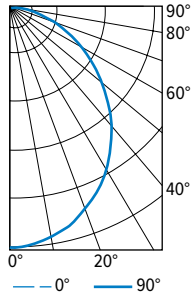
DILG-S22-L45/8TW-FAD Total Luminaire Output: 4543 lumens; 38.8 Watts | Efficacy: 117 lm/W



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	1784	1784	1784	
	5	1774	1770	1773	168
	15	1686	1699	1717	479
	25	1519	1554	1593	715
	35	1284	1345	1412	841
	45	1011	1091	1186	843
	55	720	806	932	728
	65	435	516	614	510
	75	182	217	221	224
	85	21	25	20	34
	90	2	3	2	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1363	30
	0 - 40	2204	49
	0 - 60	3775	83
	0 - 90	4543	100
	0 - 180	4543	100

DILG-S24-L65/8TW-FAD Total Luminaire Output: 6596 lumens; 52.5 Watts | Efficacy: 126 lm/W

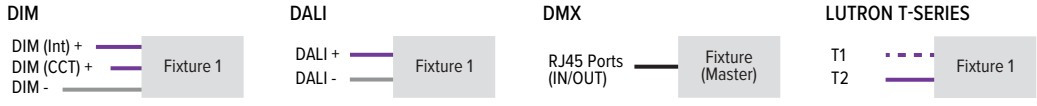


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	2548	2548	2548	
	5	2571	2524	2522	241
	15	2437	2414	2430	683
	25	2193	2200	2245	1018
	35	1875	1925	2003	1207
	45	1492	1580	1672	1218
	55	1074	1178	1308	1062
	65	665	777	874	762
	75	288	327	333	349
	85	38	42	42	57
	90	2	3	2	

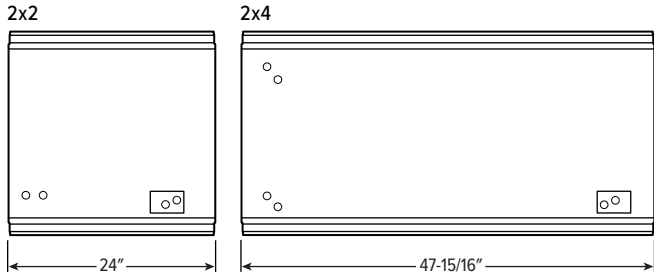
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1941	29
	0 - 40	3148	48
	0 - 60	5428	82
	0 - 90	6596	100
	0 - 180	6596	100



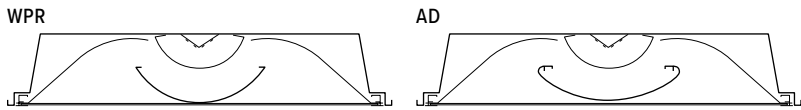
CONTROL DETAILS



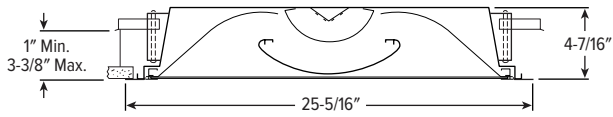
FIXTURE DETAILS



CROSS SECTIONS



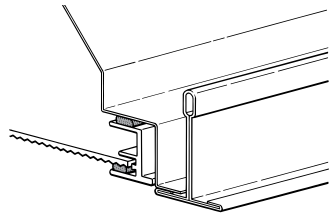
NEMA TYPE "F" INSTALLATION



Note: Maximum recommended ceiling opening is 24-3/8" x 24-3/8" 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.

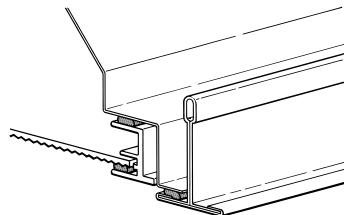
GASKETING DETAILS

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.

