

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 126 lm/W
- Wireless in-fixture control solutions available
- 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 – NEMA Type "G" 15/16" or 1" grid standard. For NEMA Type "NFG" and "SG" 9/16" grid installations, specify EQCLIPS option. Drywall flange type available.
- LISTINGS –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - City of Chicago Environmental Air approved when specified with CP option.
 - Complies with the Buy American Act and other federal regulations. Request certification at new.com/baa.
- WARRANTY – 5-year limited warranty, see new.com/warranty.

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

ORDERING INFO

SERIES	CEILING TYPE	FIXTURE STYLE	WIDTH	LENGTH	LUMENS ^[1]	CRI	CCT
DIL	G 15/16" or 1" grid	S Full door frame, no reveal	2 2'	2x2	L32 3,200lm	8 80	TW Tunable white (3000K-5000K)
				L45 4,500lm	9 90	TW2 Tunable white (2700K-6500K)	
	2x4		L51 5,100lm				
	L65 6,500lm						

DOOR FRAME	SHIELDING	OPTIONS ^[3]
F Flat aluminum	AD Acrylic WPR White perforated round	EM/10WLP Low-profile 10-watt emergency battery EQCLIPS Earthquake clips ^[4] DG Double gasket ^[5] TG Triple gasket ^[6] (L___) Additional lower lumen packages available. ^[7] Example: 6,000 nominal lumens = DILG-S24-L65/8TW-(L60)
		CP Chicago plenum (CCEA) AMW Anti-microbial white finish

CONTROL ^[8]	DRIVER	VOLTAGE
See page 4 for ADDITIONAL CONTROL OPTIONS.	See page 4 for DRIVER DETAILS.	120 120V
– None	DALI Driver prewired for DALI applications	277 277V
AWN R Lutron Athena wireless node integral fixture control, RF only ^[9]	DIM (1) 0-10V signal to control dimming (1) 0-10V signal to control CCT	UNV 120-277V
AWNS Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing ^[10]	DMX Driver prewired for DMX applications	
	DSR Sensor-ready driver without external dimming wires (D4i DALI-2). ^[11]	
	LD2 Lutron DALI-2 digital driver, 1%	

NOTES

- ¹ Lumen output based on AD Shielding, 80 CRI/4000K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
- ² See page 3 for F CEILING TYPE INSTALLATION.
- ³ See Technical Info for DRYWALL KIT and POWER ENTRY details.
- ⁴ 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting. Not available with F Ceiling Type.
- ⁵ See page 3 for GASKETING DETAILS.
- ⁶ Field-installed. See page 3 for GASKETING DETAILS.
- ⁷ Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- ⁸ See page 3 for SENSOR & NODE PLACEMENT DETAILS.
- ⁹ DSR and LD2 Drivers only.
- ¹⁰ DSR and LD2 Drivers only.
- ¹¹ Lutron Athena Controls only.

FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2x2	L32	3231	27.4	118
	L45	4543	38.7	117
2x4	L51	5100	40.7	125
	L65	6596	52.5	126

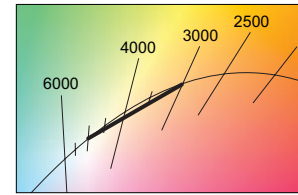
- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/4000K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.

MULTIPLIER TABLES

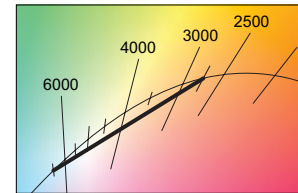
	COLOR TEMPERATURE				
	CCT	TW		TW2	
		LUMENS	WATTAGE	LUMENS	WATTAGE
80 CRI	2700K	-	-	0.93	1.02
	3000K	0.95	1.04	0.95	1.01
	3500K	0.98	1.02	0.98	1.00
	4000K	1.00	1.00	1.00	1.00
	5000K	0.96	1.04	1.02	1.00
	6500K	-	-	1.01	1.04
90 CRI	2700K	-	-	0.81	1.02
	3000K	0.83	1.04	0.83	1.01
	3500K	0.86	1.02	0.86	1.00
	4000K	0.88	1.00	0.88	1.00
	5000K	0.84	1.04	0.89	1.00
	6500K	-	-	0.88	1.04

	LENS	CONVERSION FACTOR
2x2	AD	1.00
	WPR	0.75
2x4	AD	1.00
	WPR	0.79

TW

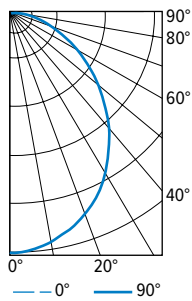


TW2



PHOTOMETRY

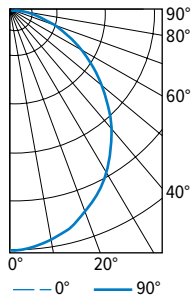
DILG-S22-L45/8TW-FAD Total Luminaire Output: 4543 lumens; 38.8 Watts | Efficacy: 117 lm/W | 80 CRI; 4000K CCT



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

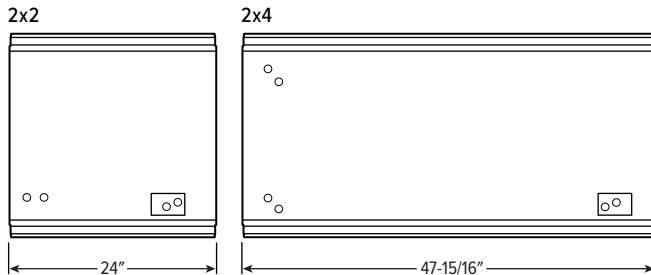
DILG-S24-L65/8TW-FAD Total Luminaire Output: 6596 lumens; 52.5 Watts | Efficacy: 126 lm/W | 80 CRI; 4000K CCT



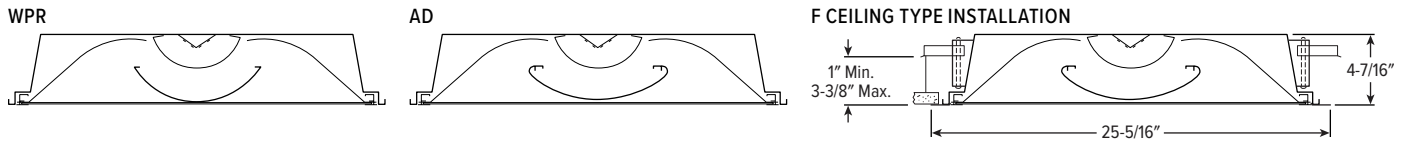
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2548	2548	2548	
5	2571	2524	2522	241
15	2437	2414	2430	683
25	2193	2200	2245	1018
35	1875	1925	2003	1207
45	1492	1580	1672	1218
55	1074	1178	1308	1062
65	665	777	874	762
75	288	327	333	349
85	38	42	42	57
90	2	3	2	

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

FIXTURE DETAILS



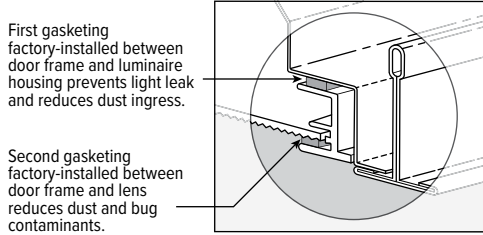
CROSS SECTIONS



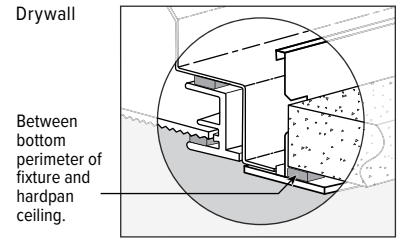
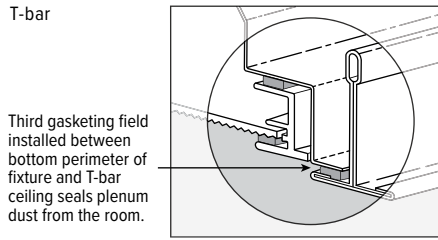
Note: Maximum recommended ceiling opening is 24-3/8" x 24-3/8" for 2'x2' and 24-3/8" x 48-3/8" for 2'x4'. For continuous row mounting, add 49-5/16" for each additional fixture to obtain ceiling opening. 1-5/16" between end plates.

GASKETING DETAILS

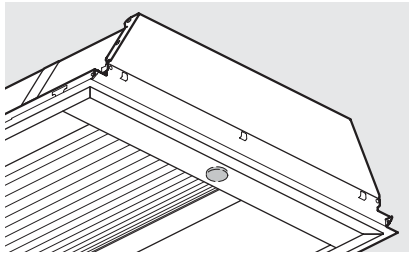
DOUBLE GASKETING (DG OPTION)



TRIPLE GASKETING (TG OPTION)



SENSOR & NODE PLACEMENT DETAILS



SEE NEXT PAGE FOR CONTROL DETAILS.

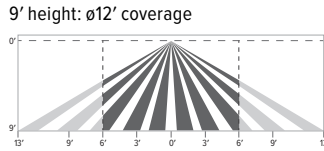
ADDITIONAL CONTROL OPTIONS

AWNS Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing. DSR and LD2 Drivers only.

SPECIFICATIONS	
TYPE	Radio Frequency
MOUNTING HEIGHT	8' – 12'
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	Clear Connect gateway – Type X with app (iOS or Android)
MANUFACTURER	Lutron



SENSOR COVERAGE PATTERNS



Motion Sensor Coverage

CEILING HEIGHT	COVERAGE AREA (SQ FT)
8'	114
9'	144
10'	178
12'	256

SENSOR DETAIL



Dimensions: ø1-1/8"

ATHENA CONTROL OPTIONS

CATALOG NUMBER	DESCRIPTION
AWNR	Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%.
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%.
AWNR-BL	Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%, black finish.
AWNS-BL	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%, black finish.

DRIVER DETAILS

