

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Williams turn-key Power over Ethernet (PoE) solution provides plug-and-play networked lighting and control
- Tunable white from 3000K to 5000K CCT, minimum 80 CRI
- 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
- Made Right Here™ in the USA

SYSTEM REQUIREMENTS

- Lighting system (site software)
- Gateway or alternate server (runs software)
- PoE switches or Ethernet switches and mid-span power injectors
- See hew.com/poe for details

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. Low-voltage DC fixture, to be fed by Class 2 power supply. 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” standard. NEMA Type “F” available.
- LISTINGS – cCSAus certified as luminaire suitable for dry or damp locations.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: DILG - S24 - P56/835 - FAD - OPTIONS - POE N

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’	P24 2,400lm	8 80	27 2700K
				4 4’	P40 4,000lm		30 3000K
					P27 2,700lm		35 3500K
					P56 5,600lm		40 4000K
							50 5000K
							TW Tunable white (80 CRI, 3000K–5000K)

DOOR FRAME	SHIELDING	OPTIONS ^[3]
F Flat aluminum	AD Acrylic WPR White perforated round	EQCLIPS Earthquake clips ^[4] DG Double gasket ^[5] TG Triple gasket ^[6] AMW Anti-microbial white finish DFK-2424W Drywall kit, 24” x 24”, white DFK-2448W Drywall kit, 24” x 48”, white

CONTROL ^[7]

- POE N Power over Ethernet network node
- POE D Power over Ethernet device node ^[8]

NOTES

- Lumen output based on 3500K for single CCT and 4000K for TW. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- See page 3 for NEMA TYPE “F” INSTALLATION.
- For compatible sensors and switches, see hew.com/poe. See Technical Info for DRYWALL KIT details.
- 4 clips per fixture.
- See page 3 for GASKETING DETAILS.
- See page 3 for GASKETING DETAILS.
- For additional PoE info, see hew.com/poe. Node requires remote mounting, see page 3 for REMOTE MOUNT DETAILS.
- Not available for fixtures over 40W.

FIXTURE PERFORMANCE DATA

STANDARD

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2x2	P24	2411	24.8	97.2
	P40	4041	40.4	100.0
2x4	P27	2721	23.7	114.9
	P56	5609	46.1	121.7

TUNABLE WHITE

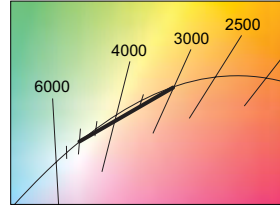
	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2x2	P24	2403	25.1	95.8
	P40	4024	42.2	95.5
2x4	P27	2705	24.6	109.7
	P56	5611	49.8	112.6

MULTIPLIER TABLES

STANDARD	
CCT	CONVERSION FACTOR
2700K	0.97
3000K	0.99
3500K	1.00
4000K	1.03
5000K	1.06

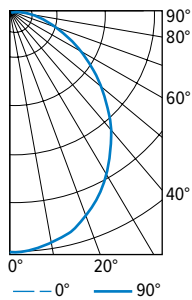
TUNABLE WHITE	
CCT	CONVERSION FACTOR
3000K	0.95
3500K	0.98
4000K	1.00
5000K	0.96

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Standard results based on 3500K standard, 80 CRI, actual lumens may vary ±5%.
- Tunable white results based on 4000K standard, 80 CRI, actual lumens may vary ±5%.
- Use multiplier tables to calculate additional options.



PHOTOMETRY

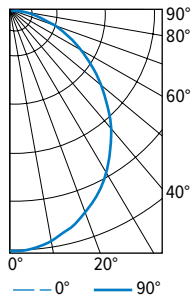
DILG-S22-P40/835-FAD Total Luminaire Output: 4041 lumens; 40.4 Watts | Efficacy: 100.0 lm/W | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1586	1586	1586	
5	1578	1574	1577	150
15	1500	1512	1528	426
25	1351	1382	1417	636
35	1142	1196	1256	748
45	899	971	1055	750
55	641	717	829	647
65	387	459	546	454
75	162	193	196	199
85	19	23	18	30
90	2	2	2	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1212	30
	0 - 40	1960	49
	0 - 60	3358	83
	0 - 90	4041	100
	0 - 180	4041	100

DILG-S24-P56/835-FAD Total Luminaire Output: 5609 lumens; 46.1 Watts | Efficacy: 121.7 lm/W | 80 CRI; 3500K CCT

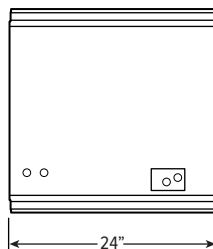


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2167	2167	2167	
5	2186	2146	2145	205
15	2072	2053	2067	581
25	1865	1871	1909	865
35	1594	1637	1703	1026
45	1268	1344	1422	1036
55	913	1002	1112	903
65	565	661	743	648
75	245	278	283	297
85	32	35	35	49
90	2	2	2	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1651	29
	0 - 40	2677	48
	0 - 60	4616	82
	0 - 90	5609	100
	0 - 180	5609	100

FIXTURE DETAILS

2' x 2'



2' x 4'



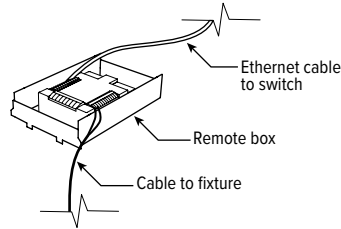
REMOTE MOUNT DETAILS

Includes 2' plenum-rated 18ga. solid cable. Remote box can be installed in:

- Above ceiling grid
- Remote closet (within 100ft)
- Surface below ceiling

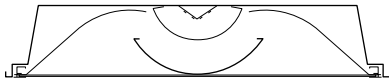
See [Technical Info](#) for dimension details.

NODE

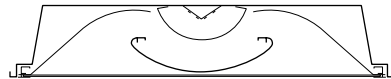


CROSS SECTIONS

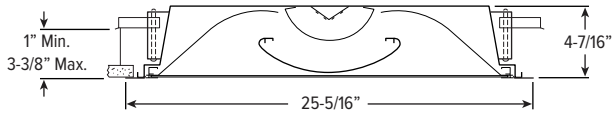
Shown with WPR



Shown with AD



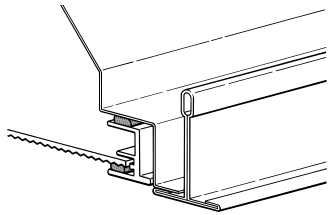
NEMA TYPE "F" INSTALLATION



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.

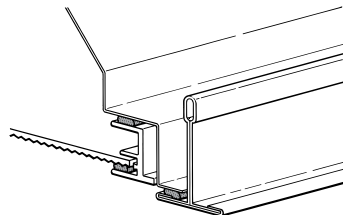
GASKETING DETAILS

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.

