

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
- Maximize energy savings with efficacies as high as 152 lm/W
- 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'	2x2	8 80	27 2700K
				4 4'	P24 2,400lm	9 90 ^[3]	30 3000K
					P40 4,000lm		35 3500K
					2x4		40 4000K
					P27 2,700lm		50 5000K
					P56 5,600lm		TW Tunable white (80 CRI, 3000K–5000K)

DOOR FRAME	SHIELDING	OPTIONS ^[4]
F Flat aluminum	AD Acrylic WPR White perforated round	EQCLIPS Earthquake clips ^[5] DG Double gasket ^[6] TG Triple gasket ^[7] AMW Anti-microbial white finish

CONTROL ^[8]

- POE N** Power over Ethernet network node
- POE D** Power over Ethernet device node ^[9]

NOTES

- ¹ Lumen output based on 3500K for single CCT and 4000K for TW, AD Shielding. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- ² See page 3 for NEMA TYPE "F" INSTALLATION.
- ³ Extended lead times may apply. Consult factory for availability. Not available with tunable white.
- ⁴ For compatible sensors and switches, see hew.com/poe. See Technical Info for DRYWALL KIT details.
- ⁵ 4 clips per fixture.
- ⁶ See page 3 for GASKETING DETAILS.
- ⁷ See page 3 for GASKETING DETAILS.
- ⁸ For additional PoE info, see hew.com/poe. Node requires remote mounting, see page 3 for REMOTE MOUNT DETAILS.
- ⁹ Not available for fixtures over 40W.

FIXTURE PERFORMANCE DATA

STANDARD

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (LM/W)
2x2	P24	2427	16.8	144.6
	P40	3999	30.1	133.1
2x4	P27	2720	17.9	152.2
	P56	5652	38.2	148.0

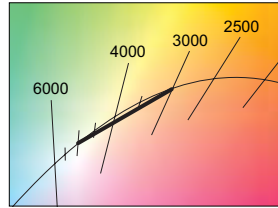
TUNABLE WHITE

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (LM/W)
2x2	P24	2440	18.5	131.6
	P40	4001	31.6	126.5
2x4	P27	2746	20.2	136.0
	P56	5648	41.1	137.3

MULTIPLIER TABLES

	COLOR TEMPERATURE		
	CCT	LUMENS	
		STANDARD	TUNABLE WHITE
80 CRI	2700K	0.97	-
	3000K	0.99	0.95
	3500K	1.00	0.98
	4000K	1.03	1.00
	5000K	1.06	0.96
90 CRI	2700K	0.80	-
	3000K	0.82	-
	3500K	0.83	-
	4000K	0.86	-
	5000K	0.89	-

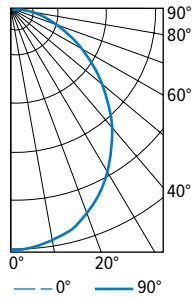
2x4 2x2	SHIELDING MULTIPLIER	
	CATALOG NUMBER	CONVERSION FACTOR
	WPR	0.75
WPR	0.79	



- 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, AD Shielding. Actual lumens may vary ±5%.
- Tunable white results based on 4000K standard, 80 CRI, AD Shielding. Actual lumens may vary ±5%.
- Use multiplier tables to calculate additional options.

PHOTOMETRY

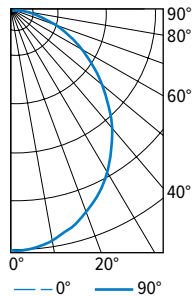
DILG-S22-P40/835-FAD Total Luminaire Output: 3999 lumens; 30.1 Watts | Efficacy: 133 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	1570	1570	1570	
	5	1561	1558	1560	148
	15	1484	1496	1512	422
	25	1337	1368	1402	630
	35	1130	1184	1243	740
	45	890	961	1044	742
	55	634	709	820	641
	65	383	454	540	449
	75	160	191	194	197
	85	19	22	17	30
	90	1	2	2	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1200	30
	0 - 40	1940	49
	0 - 60	3323	83
	0 - 90	3999	100
	0 - 180	3999	100

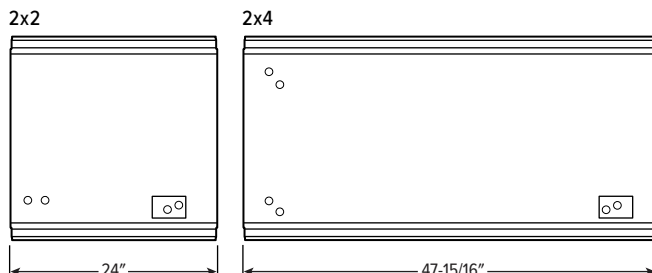
DILG-S24-P56/835-FAD Total Luminaire Output: 5652 lumens; 38.2 Watts | Efficacy: 148 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	2183	2183	2183	
	5	2203	2163	2161	206
	15	2088	2068	2082	585
	25	1879	1885	1924	872
	35	1607	1649	1716	1034
	45	1278	1354	1433	1044
	55	920	1010	1121	910
	65	569	666	749	653
	75	247	280	285	299
	85	32	36	36	49
	90	2	2	2	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1663	29
	0 - 40	2697	48
	0 - 60	4651	82
	0 - 90	5652	100
	0 - 180	5652	100

FIXTURE DETAILS



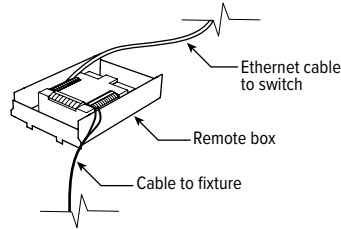
REMOTE MOUNT DETAILS

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

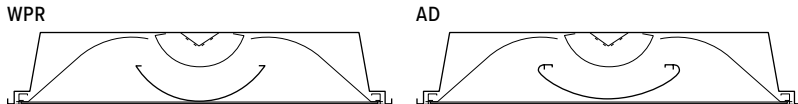
- Above ceiling grid
- Remote closet (within 100ft)
- Surface below ceiling

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

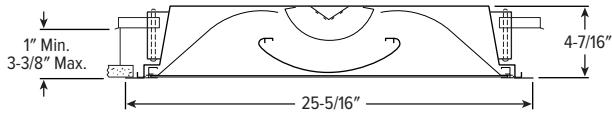
NODE



CROSS SECTIONS



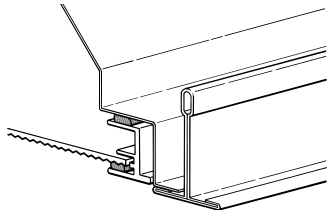
NEMA TYPE "F" INSTALLATION



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.

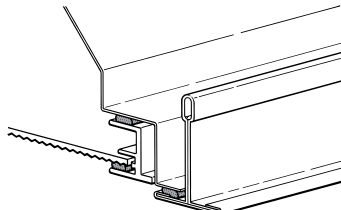
GASKETING DETAILS

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.

