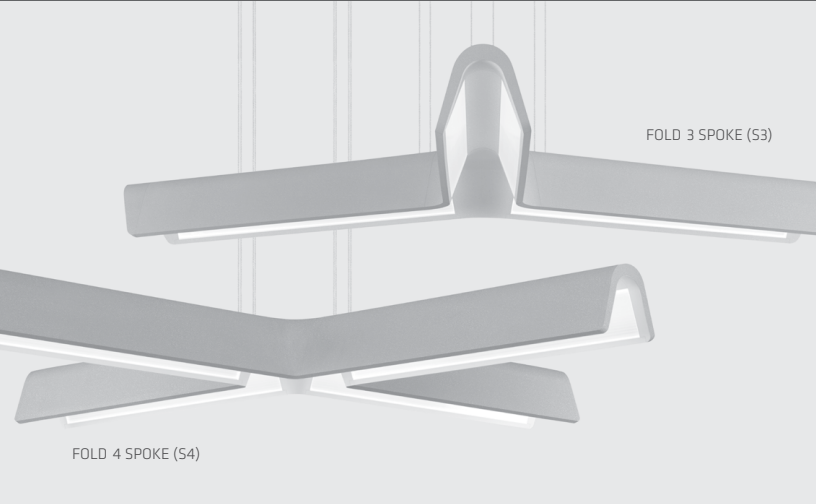




SPECIFICATION DATA
FOLD SPOKE (FS1|FS3)

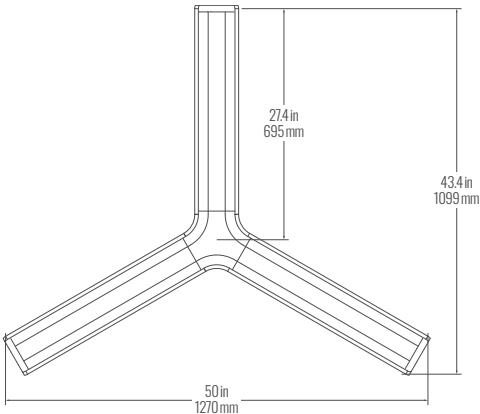


CATALOG #

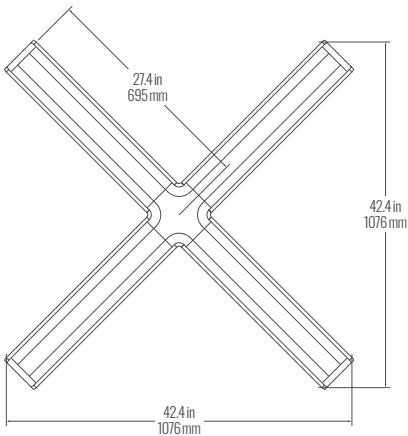
PROJECT

NOTES

3 SPOKE + ARCH (A) ENDCAPS



4 SPOKE + ARCH (A) ENDCAPS



PERFORMANCE FOCUS

40 Up|60 Dn, 80 CRI 4000 K (FS1xAx40)

	Energy (W)		Light (lm)		Efficacy (lm/W)
	3 SPOKE	4 SPOKE	3 SPOKE	4 SPOKE	
A	28 W	38 W	3200	4300	118
B	34 W	46 W	3900	5200	117
C	44 W	58 W	4900	6500	116
D	57 W	76 W	6200	8300	113
Color Matching (SDCM)		Lumen Maintenance (hr)			
		L90 per TM21		L70 Estimate	
< 2		> 60,000		> 200,000	

Nominal values, refer to back pages for full performance data.

FEATURES

- Pure organic form with fully luminous, open interior. No horizontal lenses or diffusers.
- Choice of 120° 3-spoke (S3) or 90° 4-spoke (S4) precision machined, clear anodized aluminum body with contoured hub.
- Four endcap styles, preinstalled for perfect fit and finish.
- Powered by low voltage stainless steel conductive aircraft cables. No visible power cords.
- Luminaires spaced 12'x12' deliver 40–50 fc at 0.4 to 0.5 W/ft.
- Direct and direct/indirect general area lighting distributions and independent Up|Dn dimming control available.



SPECIFICATION DATA
FOLD SPOKE (FS1 | FS3)

ORDER GUIDE

1	2	3	4	5	6	7	8	9	10	11	OPTIONS	CONTROLS

1	FAMILY	2	CORNER	3	DISTRIBUTION	4	ENERGY ¹	5	CRI-CCT	6	FINISH ³	
FS1	Fold Spoke	A Arch B Oblique D Shade S Slant		A	45 Up 55 Dn	3 SPOKE		4 SPOKE		30	80 CRI 3000 K	B Black Powdercoat S Metallic Silver Powdercoat W White Powdercoat C Custom Color (RAL)
				B	100 Dn	A	28 W	A	38 W	35	80 CRI 3500 K	
				D	20 Up 80 Dn	B	34 W	B	46 W	40	80 CRI 4000 K	
				E	55 Up 45 Dn	C	44 W	C	58 W	93	90 CRI 3000 K	
				F	65 Up 35 Dn	D	57 W	D	76 W	90	90 CRI 3500 K	
FS3	Fold Spoke Independent Up Dn		B	Independent Up Dn Control (Full: 60 Up 40 Dn)		D	57 W	D	76 W			
												³ Canopy finish matches fixture (silver canopy with clear anodized fixture). Silver cables.

7	VERSION	8	CEILING TYPE ⁴	9	DRIVER	10	VOLTAGE	11	SUSPENSION ⁷
S3	3 Spoke	D Drywall G Grid S Structure R Remote		F1	Non-Dim	M 120–277 V 1 120 V ⁵ 2 277 V ⁵ 3 347 V ⁶		03	≤ 3 ft
S4	4 Spoke			F2	0–10 V Dim 3%			06	≤ 6 ft
				F4	Line Voltage Dim (Fwd/Rev) 3% 120 V			12	≤ 12 ft
				E1	eldoLED ECO 0–10 V Dim 1%			25	≤ 25 ft
				E2	eldoLED SOLO 0–10 V Dim 0.1%				
				E3	eldoLED ECO DALI-2 DT6 Dim 1%				
				E4	eldoLED SOLO DALI-2 DT6 Dim 0.1%				
				L1	Lutron Hi-Lume 1% EcoSystem (LDE1)				
			⁴ Integrated driver with mounting, power feed, suspension + canopy, except for remote.				⁵ Fixed voltage only for (F4) Line Dim Driver or nLight controls. ⁶ 347 V transformer, remote driver enclosure.		⁷ Tapered suspension cables over 3 ft, see next page.

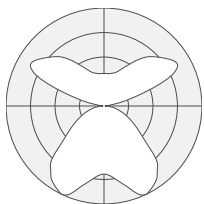
OPTIONS	CONTROLS
WIRING & EMERGENCY ⁸	TYPE & LOCATION ⁹
B Battery Pack C Chicago CCEA H Emergency Switching (GTD or Controller)	R Remote Sensor / Controller on Ceiling S Sensor / Controller on Canopy V Controller on Driver / Plenum Side Y Controller on Canopy / Room side
⁸ BP & GTD available for 120-277V. GTD not compatible with (F4) Line Dim driver.	BRAND & PROTOCOL⁹ N1 Acuity nLight Wired ¹⁰ N2 Acuity nLight Air r10 ¹⁰ N3 Acuity nLight Air RPP20 ¹⁰ E1 Enlighted Smart Sensor ¹¹ L1 Lutron Athena Wireless M1 Legrand Wattstopper PLUS V1 Leviton Intellect Wireless
	⁹ Controls selection may be limited by version, protocol or other features – see Controls page. ¹⁰ Controller (V,Y) only. ¹¹ Sensor/Controller (R,S) only.

SPECIFICATION DATA FOLD SPOKE (FS1 | FS3)

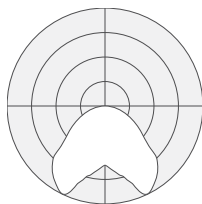
DISTRIBUTIONS

Plot for each side of Fold Spoke. Creates a symmetric distribution overall.

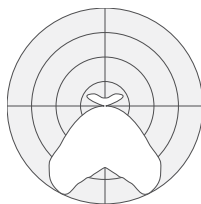
45 Up | 55 Dn (FS1xA)



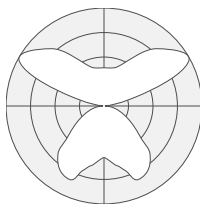
100 Dn (FS1xB)



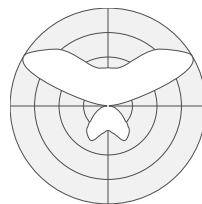
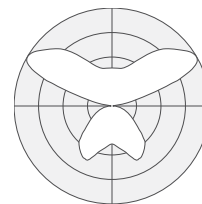
20 Up | 80 Dn (FS1xD)



55 Up | 45 Dn (FS1xE)

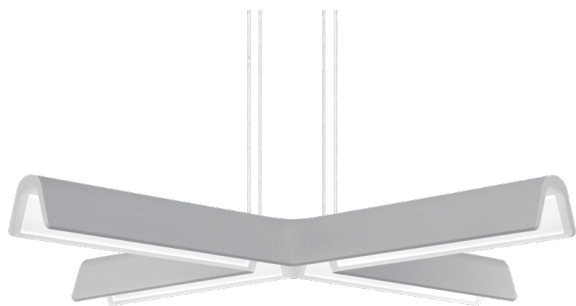


65 Up | 35 Dn (FS1xF)

Indep. Up | Dn (FS3xB)
(Full: 60 Up | 40 Dn)

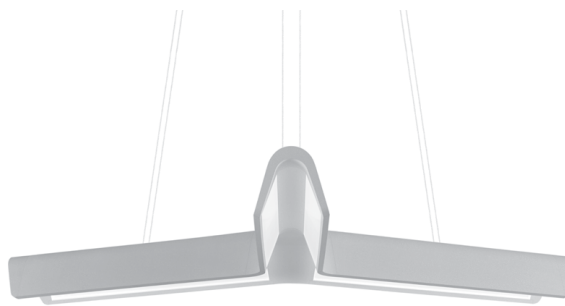
SUSPENSION

Powered by low voltage stainless steel aircraft cables.



STRAIGHT CABLES UP TO 3 FT

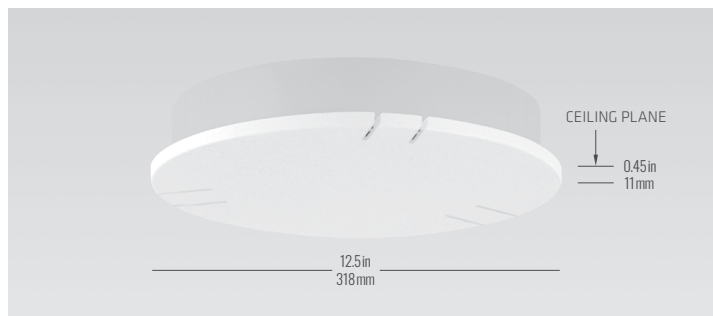
3 or 4 SPOKE



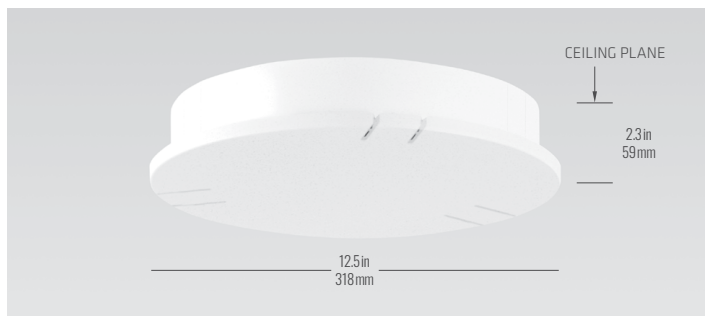
TAPERED CABLES OVER 3 FT

CANOPY

Canopy finish matches fixture finish unless otherwise specified. Anodized canopies are not available.



(G) GRID, (D) DRYWALL



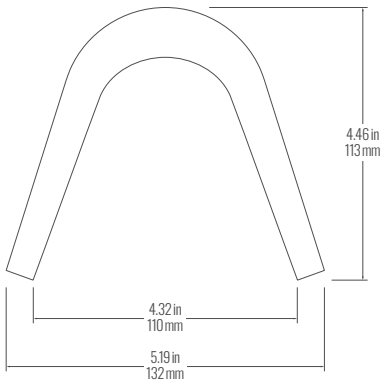
(S) STRUCTURE, (R) REMOTE

SPECIFICATION DATA
FOLD SPOKE (FS1 | FS3)

LINEAR ANIDOLIC OPTIC

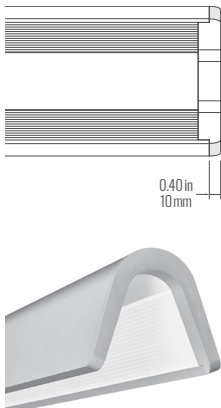


CROSS SECTION

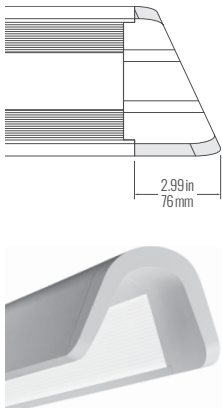


ENDCAP OPTIONS

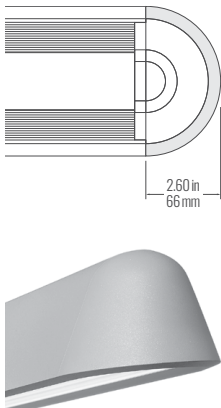
(A) ARCH



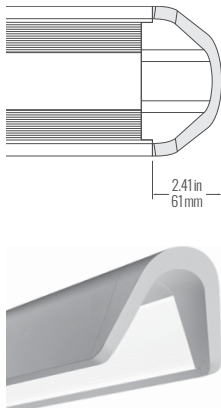
(B) OBLIQUE



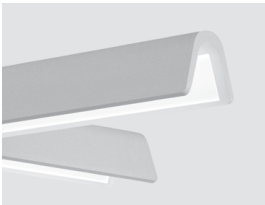
(D) SHADE



(S) SLANT



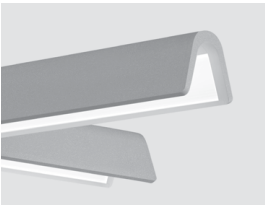
FINISHES



(A) CLEAR ANODIZED
Not available with (D) Shade Endcap.



(B) BLACK



(S) SILVER



(W) WHITE



CUSTOM

CEILING INTEGRATION

INTEGRATED DRIVER, MOUNTING, POWERED SUSPENSION CABLES AND CANOPY

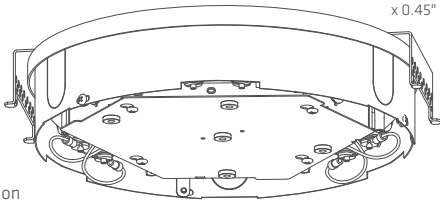
Refer to separate IDF (Integrated Driver for Spoke/Frame) datasheet for wiring and detailed dimensions of driver and mounting hardware.

✓ 0-10 V Dim	✓ DALI	✓ eldoLED	✓ Lutron	✓ 347 V	✓ Battery Pack	✓ Emergency Switch
--------------	--------	-----------	----------	---------	----------------	--------------------

(D) DRYWALL

- For GWB or panel ceiling < 0.875" (22 mm) thick
- Requires Structural members on 2 sides
- Default mount tab for 5/8" GWB

Canopy: 12.5" (318 mm) round
x 0.45" (11 mm) tall



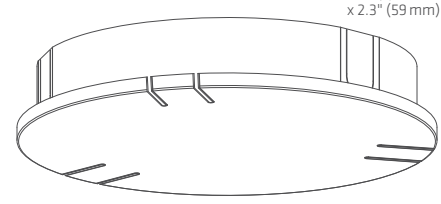
New Construction
or Retrofit installation

RECESSED 120-277 V
MOUNTING + DRIVER ENCLOSURE

(S) STRUCTURE

For exposed ceiling with conduit or recessed junction box.

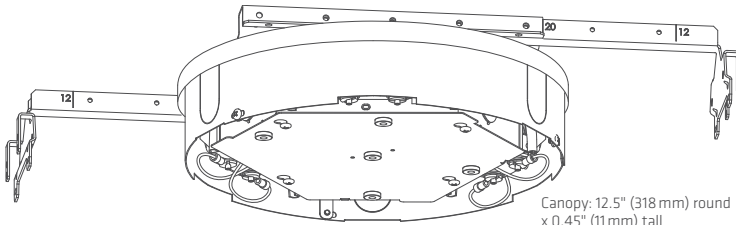
Canopy: 12.5" (318 mm) round
x 2.3" (59 mm) tall



SURFACE 120-277 V
MOUNTING + CANOPY

(G) GRID

- For accessible ceiling grid (acoustic tile) < 1.75" (44 mm) tall
- Integrated Hanger bars for 12, 20 or 24" grid spacing

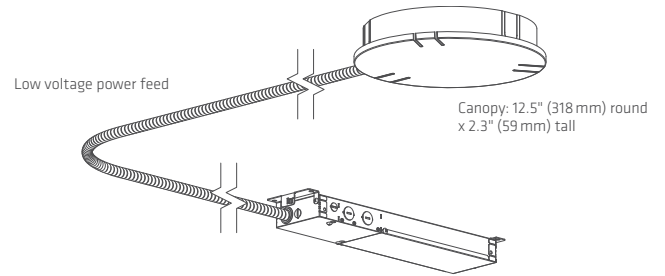


Off Grid installation

RECESSED 120-277 V
MOUNTING + DRIVER ENCLOSURE

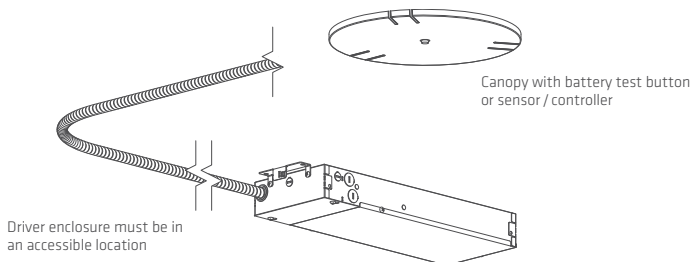
(R) REMOTE

Remote mounted driver with power feed to surface mount suspension point.
See notes for wire gauge guide.



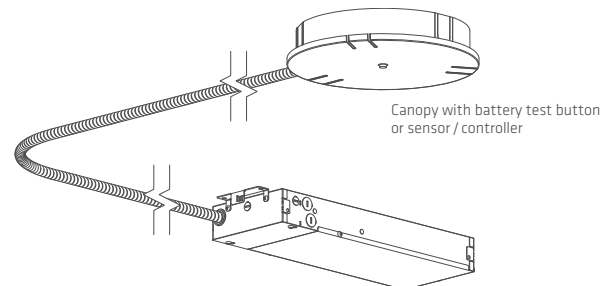
SURFACE 120-277 V
MOUNTING + CANOPY + DRIVER ENCLOSURE

(B) BATTERY PACK (H) EMERGENCY SWITCH OR (3) 347 V OPTION



Driver enclosure must be in
an accessible location

(B) BATTERY PACK (H) EMERGENCY SWITCH OR (3) 347 V OPTION



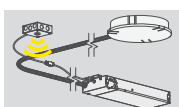
Canopy with battery test button
or sensor / controller

CONTROLS & SENSORS

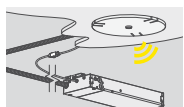
LUMINAIRE INTEGRATION



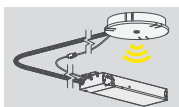
V
Controller,
Enclosure/Plenum Side



R
Sensor,
Remote/on Ceiling



Y
Controller,
Canopy/Room Side



S
Sensor,
on Canopy

Sensor/Controller preinstalled into suspension canopy or ceiling collar (for remote tile or J-box lid installation). Plenum rated cable whips and connectors for fast field activation.

INDEPENDENT UP | DOWN



Separate on/off and dimming control of uplight and downlight. Ideal for presentations and video conferencing.

PRODUCT VERSION

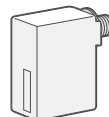
3 Independent Up | Dn*

* Some Controls unavailable with Independent Up/Down due to space constraints – contact Fluxwerx.

(N1) Acuity
nLight Wired



nLight wired, digital network.
Model: nPS-80-EZ or nPS-80-EZ-ER
(with **H** – Emergency Switching)

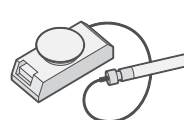


VN1 nLight Wired Controller, Enclosure/Plenum Side

(N2, N3) Acuity
nLight Air



Acuity nLight wireless network
interfaces.
Models: rIO, rPP20

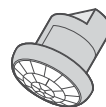


VN2 nLight rIO Controller, Enclosure/Plenum Side
VN2 nLight rIO Controller, Canopy/Room Side
VN3 nLight rPP20 Controller, Enclosure/Plenum Side
nLight in Drywall and Structure ceilings requires (R) Remote driver enclosure

(E1) Siemens
Enlighted



Siemens Enlighted wireless smart
sensor-controllers.
Model: SU-5E-CL



RE1 Enlighted Smart Sensor, Remote/on Ceiling
SE1 Enlighted Smart Sensor, on Fixture/Canopy

(L1) Lutron
Athena



Lutron Athena wireless smart
controllers & sensors.
Models: A-WN-D01-RF, A-WN-D01-OCC
For YL1 and SL1:
Default Athena color to match fixture/canopy color
Canopy Athena
WH WH
SV BK
BK BK
For VL1 and RL1: default WH

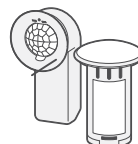


VL1 Athena Controller, Enclosure/Plenum Side
YL1 Athena Controller, Canopy/Room Side
RL1 Athena Sensor, Remote/on Ceiling
SL1 Athena Sensor, on Canopy

(M1) Legrand
Wattstopper
PLUS



Wattstopper PLUS wireless smart
controllers & sensors.
Models: ZBHA-CLM, EN-CLM-PIR

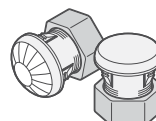


VM1 Wattstopper PLUS Control Module,
Enclosure/Plenum Side
YM1 Wattstopper PLUS Control Module,
Canopy/Room Side
RM1 SensiLUM Sensor, Remote/on Ceiling
SM1 SensiLUM Sensor, on Canopy

(V1) Leviton
Intellect



Leviton Intellect wireless smart
controllers & sensors.
Models: ZL0x0, ZL0x5



VV1 Intellect Controller, Enclosure/Plenum Side
YV1 Intellect Controller, Canopy/Room Side
RV1 Intellect Sensor, Remote/on Ceiling
SV1 Intellect Sensor, on Canopy

Ask us about...

Pass & Seymour®

EATON

DISTECH
CONTROLS

CRESTRON

CASAMBI

All integrated controls trademarks and logos are the property of their manufacturer and are used under license.

SPECIFICATION DATA
FOLD SPOKE (FS1 | FS3)

NOTES

CONSTRUCTION

- Anodized, extruded + machined architectural grade aluminum
- Precision machined aluminum joints and endcaps are factory preinstalled for seamless fit
- Stainless steel fasteners
- 0.06" (1.6 mm) low voltage stainless steel conductive aircraft cable suspensions
- Clear anodized surface finish or powdercoated in white, metallic silver or black, (canopies match fixture color as standard – silver for clear anodized)

OPTICAL

- Anidolic optical structures with linear light extraction elements
- Precision extruded high transmittance clear acrylic lenses
- Long life mid-flux LED system designed for typical TM21 lumen maintenance $\geq$ L90 @ 60,000 h
- Available in 3000 K, 3500 K, 4000 K with CRI $\geq$ 80 and R9 $\geq$ 0, or CRI $\geq$ 90 and R9 $\geq$ 50, all with color accurate binning $\leq$ 2 SDCM

ELECTRICAL

- No electrical connections are required at fixture level for installation; low voltage power cables factory preinstalled
- High efficiency multivolt drivers, integrated with suspension and mounting components, for 50–60 Hz 120–277 V or 347 V
- Power Factor > 0.90
- Total Harmonic Distortion $< 20\%$
- Dim level: Standard 3%, optional 1% or 0.1%
- Surge Protection: Meets ANSI C82.11 spec and ANSI/IEEE C62.41
- Inrush Current: Meets NEMA 410

EMERGENCY

- Optional Battery Pack delivers 10 W Class 2 rated output for 90 min. Use 12 W input energy to estimate emergency flux, typically 1150–1750 lm (@ 100–150 lm/W).
- Optional GTD (Generator Transfer Switch), 120–277 V, disables 0–10 V control during emergency for full light output

WIRE GAUGE

- Recommended low voltage wire gauge (AWG) for minimal losses over distance when REMOTE mounting:

30 ft | 18 ga

50 ft | 14 ga

80 ft | 12 ga

ENVIRONMENTAL & CARE

- Designed for use in dry or damp indoor locations with ambient temperatures of 0–30°C (32–86°F)
- The luminaire may be damaged by chemicals such as chlorine, solvents, ammonia, alcohol or sulfur in the area of operation or in cleaning products. Damage from contaminants is not covered under warranty.
- Not suitable for natatorium environments, e.g. swimming pools, hot tubs and saunas.
- Clean only by wiping with a slightly water-damp, soft, clean cloth.

WEIGHT (FIXTURE ONLY)

- 3 Spoke: ~ 36.0 lb (16.3 kg)
- 4 Spoke: ~ 42.0 lb (19.1 kg)

WARRANTY

- 5 year limited warranty on all components and workmanship

INDEPENDENT TESTING

- IESNA LM79
- IESNA LM80 (LED @ 10,000 h)

APPROVALS

- UL Listed (USA + Canada)
- CCEA Chicago Plenum
- Living Building Challenge (LBC) Declared

Protected by one or more US patents: 10215344, 10830415, 9733411, 9823406, 10077891, D806930, D818627, D815332, D815333.

DRIVERS + EMERGENCY

STANDARD DRIVER OPTIONS	
OPTOTRONIC® ADVANCE 	F1 Non-Dim F2 0–10 V Dim 3% F4 Line Voltage Dim 3% (Forward/Reverse) 120 V
eldoLED®	E1 eldoLED ECO 0–10 V Dim 1% E2 eldoLED SOLO 0–10 V Dim 0.1% E3 eldoLED ECO DALI-2 DT6 Dim 1% E4 eldoLED SOLO DALI-2 DT6 Dim 0.1%
	L1 Lutron Hi-Lume 1% EcoSystem (LDE1)

EMERGENCY OPTIONS	
 	B Battery Pack Bodine BSL310 (10 W) H Emergency Switching Functional Devices ESRB Emergency Lighting Relay

Driver and emergency selection may be limited by product or version.
For further options, contact Fluxwerx.

SPECIFICATION DATA
FOLD SPOKE (FS1 | FS3)

FAMILY PERFORMANCE

COLOR

80 CRI	4000 K	3500 K	3000 K
Color Rendering (CRI)	83	83	83
Red Index (R9)	5	5	7
Color Matching (SDCM)	< 2		

90 CRI	4000 K	3500 K	3000 K
Color Rendering (CRI)	92	92	92
Red Index (R9)	63	63	59
Color Matching (SDCM)	< 2		

Typical colorimetry values.

LUMEN MAINTENANCE

	A 28 W	B 34 W	C 44 W	D 57 W
L90 per TM-21 (hr)	> 60,000			
L70 Estimate (hr)	> 200,000			

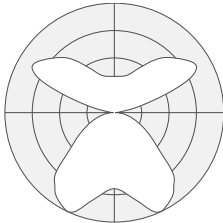
OUTPUT MULTIPLIERS

MULTIPLIER	Applies To	
90 CRI	0.80	All 80 CRI
Battery Pack	0.43	3 Spoke Energy A (28 W)

For 90 CRI or emergency BP, use multipliers to scale published Light (lm), Efficacy (lm/W), Intensity (Cd), Luminance (Cd/m²) and IES files.

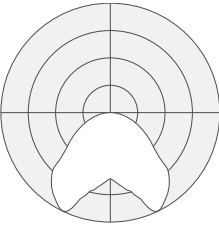
VERSION PERFORMANCE – 3 SPOKE

FS1xA – 45 Up | 55 Dn, 80 CRI

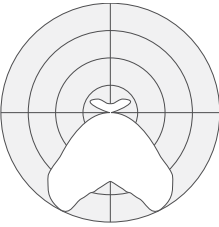
CONFIGURATION			LIGHT & POWER			VISUAL COMFORT		LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	
FS1xAx40xS3 4000 K	A	28 W	3225	27.27	118.3	367	2,300	 Fold Spoke 43% Up 57% Dn
	B	34 W	3900	33.26	117.3	444	2,782	
	C	44 W	4889	42.29	115.6	557	3,486	
	D	57 W	6251	55.14	113.4	712	4,458	
FS1xAx35xS3 3500 K	A	28 W	3149	27.27	115.5	359	2,246	
	B	34 W	3827	33.26	115.1	436	2,729	
	C	44 W	4797	42.29	113.4	546	3,421	
	D	57 W	6134	55.14	111.2	698	4,374	
FS1xAx30xS3 3000 K	A	28 W	3074	27.38	112.2	350	2,192	
	B	34 W	3754	33.26	112.9	427	2,677	
	C	44 W	4705	42.29	111.3	536	3,356	
	D	57 W	6017	55.74	107.9	685	4,290	

VERSION PERFORMANCE – 3 SPOKE

FS1xB – 100 Dn, 80 CRI

CONFIGURATION			LIGHT & POWER			VISUAL COMFORT		LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	
FS1xBx40xS3 4000 K	A	28 W	3035	28.24	107.5	617	3,849	 Fold Spoke 100% Dn
	B	34 W	3670	34.44	106.6	746	4,654	
	C	44 W	4600	43.79	105.0	935	5,834	
	D	57 W	5882	57.11	103.0	1,195	7,460	
FS1xBx35xS3 3500 K	A	28 W	2978	28.24	105.4	605	3,777	
	B	34 W	3601	34.44	104.6	732	4,567	
	C	44 W	4514	43.79	103.1	917	5,725	
	D	57 W	5771	57.11	101.1	1,173	7,320	
FS1xBx30xS3 3000 K	A	28 W	2921	28.24	103.4	594	3,705	
	B	34 W	3532	34.44	102.6	718	4,480	
	C	44 W	4428	43.79	101.1	900	5,616	
	D	57 W	5661	57.11	99.1	1,150	7,180	

FS1xD – 20 Up | 80 Dn, 80 CRI

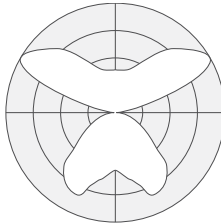
CONFIGURATION			LIGHT & POWER			VISUAL COMFORT		LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	
FS1xDx40xS3 4000 K	A	28 W	3056	27.66	110.5	518	3,245	 Fold Spoke 17% Up 83% Dn
	B	34 W	3695	33.73	109.5	627	3,924	
	C	44 W	4632	42.89	108.0	785	4,919	
	D	57 W	5922	55.94	105.9	1,004	6,289	
FS1xDx35xS3 3500 K	A	28 W	2996	27.66	108.3	508	3,181	
	B	34 W	3626	33.73	107.5	615	3,851	
	C	44 W	4545	42.89	106.0	771	4,827	
	D	57 W	5672	55.52	102.2	962	6,023	
FS1xDx30xS3 3000 K	A	28 W	2936	27.53	106.7	498	3,117	
	B	34 W	3557	33.73	105.4	603	3,777	
	C	44 W	4458	42.89	103.9	756	4,734	
	D	57 W	5525	55.85	98.9	937	5,867	

SPECIFICATION DATA

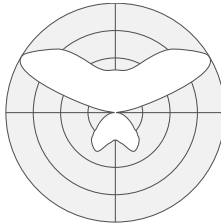
FOLD SPOKE (FS1 | FS3)

VERSION PERFORMANCE – 3 SPOKE

FS1xE – 55 Up | 45 Dn, 80 CRI

CONFIGURATION			LIGHT & POWER			VISUAL COMFORT		LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	
FS1xEx40xS3 4000 K	A	28 W	3496	27.25	128.3	349	2,187	 Fold Spoke 51% Up 49% Dn
	B	34 W	4228	33.23	127.2	422	2,644	
	C	44 W	5299	42.25	125.4	529	3,315	
	D	57 W	6776	55.10	123.0	677	4,238	
FS1xEx35xS3 3500 K	A	28 W	3430	27.25	125.9	343	2,146	
	B	34 W	4148	33.23	124.8	414	2,595	
	C	44 W	5200	42.25	123.1	519	3,253	
	D	57 W	6649	55.10	120.7	664	4,158	
FS1xEx30xS3 3000 K	A	28 W	3365	27.25	123.5	336	2,104	
	B	34 W	4069	33.23	122.5	406	2,545	
	C	44 W	5101	42.25	120.7	509	3,191	
	D	57 W	6522	55.10	118.4	651	4,079	

FS1xF – 65 Up | 35 Dn, 80 CRI

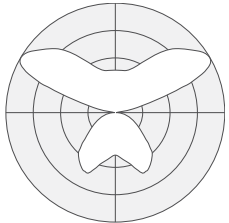
CONFIGURATION			LIGHT & POWER			VISUAL COMFORT		LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	
FS1xFx40xS3 4000 K	A	28 W	3405	27.92	122.0	215	1,343	 Fold Spoke 69% Up 31% Dn
	B	34 W	4118	34.05	120.9	259	1,625	
	C	44 W	5162	43.30	119.2	325	2,037	
	D	57 W	6600	56.46	116.9	416	2,604	
FS1xFx35xS3 3500 K	A	28 W	3342	27.92	119.7	211	1,318	
	B	34 W	4041	34.05	118.7	255	1,595	
	C	44 W	5065	43.30	117.0	319	1,999	
	D	57 W	6476	56.46	114.7	408	2,555	
FS1xFx30xS3 3000 K	A	28 W	3278	27.92	117.4	207	1,293	
	B	34 W	3964	34.05	116.4	250	1,564	
	C	44 W	4969	43.30	114.8	313	1,960	
	D	57 W	6353	56.46	112.5	400	2,507	

SPECIFICATION DATA

FOLD SPOKE (FS1|FS3)

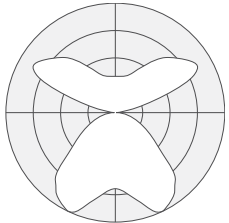
VERSION PERFORMANCE – 3 SPOKE

FS3xB – Independent Up|Dn, 80 CRI

CONFIGURATION			LIGHT & POWER			VISUAL COMFORT		LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	
FS3xBx40xS3 4000 K	D	57 W	6408	56.27	113.9	534	3,345	 Fold Spoke 59% Up 41% Dn
FS3xBx35xS3 3500 K	D	57 W	6288	56.27	111.8	524	3,283	
FS3xBx30xS3 3000 K	D	57 W	6168	56.27	109.6	514	3,220	

VERSION PERFORMANCE – 4 SPOKE

FS1xA – 45 Up|55 Dn, 80 CRI

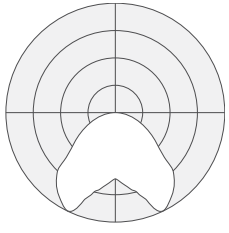
CONFIGURATION			LIGHT & POWER			VISUAL COMFORT		LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	
FS1xAx40xS4 4000 K	A	38 W	4300	36.36	118.3	367	2,300	 Fold Spoke 43% Up 57% Dn
	B	46 W	5200	44.34	117.3	444	2,782	
	C	58 W	6518	56.38	115.6	557	3,486	
	D	76 W	8334	73.52	113.4	712	4,458	
FS1xAx35xS4 3500 K	A	38 W	4199	36.36	115.5	359	2,246	
	B	46 W	5103	44.34	115.1	436	2,729	
	C	58 W	6396	56.38	113.4	546	3,421	
	D	76 W	8178	73.52	111.2	698	4,374	
FS1xAx30xS4 3000 K	A	38 W	4098	36.50	112.2	350	2,192	
	B	46 W	5005	44.34	112.9	427	2,677	
	C	58 W	6274	56.38	111.3	536	3,356	
	D	76 W	8022	74.32	107.9	685	4,290	

SPECIFICATION DATA

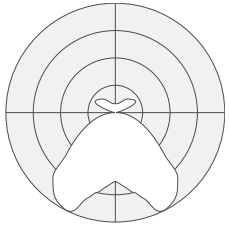
FOLD SPOKE (FS1 | FS3)

VERSION PERFORMANCE – 4 SPOKE

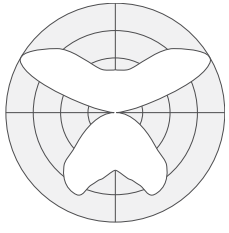
FS1xB – 100 Dn, 80 CRI

CONFIGURATION			LIGHT & POWER			VISUAL COMFORT		LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	
FS1xBx40xS4 4000 K	A	38 W	4046	37.66	107.5	617	3,849	 Fold Spoke 100% Dn
	B	46 W	4893	45.92	106.6	746	4,654	
	C	58 W	6133	58.39	105.0	935	5,834	
	D	76 W	7842	76.14	103.0	1,195	7,460	
FS1xBx35xS4 3500 K	A	38 W	3970	37.66	105.4	605	3,777	
	B	46 W	4801	45.92	104.6	732	4,567	
	C	58 W	6018	58.39	103.1	917	5,725	
	D	76 W	7695	76.14	101.1	1,173	7,320	
FS1xBx30xS4 3000 K	A	38 W	3895	37.66	103.4	594	3,705	
	B	46 W	4710	45.92	102.6	718	4,480	
	C	58 W	5904	58.39	101.1	900	5,616	
	D	76 W	7548	76.14	99.1	1,150	7,180	

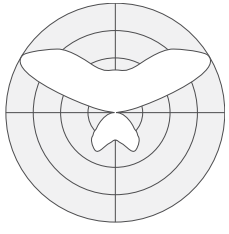
FS1xD – 20 Up | 80 Dn, 80 CRI

CONFIGURATION			LIGHT & POWER			VISUAL COMFORT		LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	
FS1xDx40xS4 4000 K	A	38 W	4074	36.88	110.5	518	3,245	 Fold Spoke 17% Up 83% Dn
	B	46 W	4927	44.98	109.5	627	3,924	
	C	58 W	6175	57.19	108.0	785	4,919	
	D	76 W	7896	74.58	105.9	1,004	6,289	
FS1xDx35xS4 3500 K	A	38 W	3994	36.88	108.3	508	3,181	
	B	46 W	4834	44.98	107.5	615	3,851	
	C	58 W	6060	57.19	106.0	771	4,827	
	D	76 W	7562	74.02	102.2	962	6,023	
FS1xDx30xS4 3000 K	A	38 W	3914	36.70	106.7	498	3,117	
	B	46 W	4742	44.98	105.4	603	3,777	
	C	58 W	5944	57.19	103.9	756	4,734	
	D	76 W	7366	74.46	98.9	937	5,867	

VERSION PERFORMANCE – 4 SPOKE
FS1xE – 55 Up | 45 Dn, 80 CRI

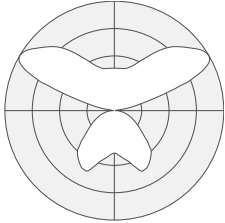
CONFIGURATION			LIGHT & POWER			VISUAL COMFORT		LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	
FS1xE40xS4 4000 K	A	38 W	4661	36.33	128.3	349	2,187	 Fold Spoke 51% Up 49% Dn
	B	46 W	5637	44.30	127.2	422	2,644	
	C	58 W	7065	56.33	125.4	529	3,315	
	D	76 W	9034	73.46	123.0	677	4,238	
FS1xE35xS4 3500 K	A	38 W	4574	36.33	125.9	343	2,146	
	B	46 W	5531	44.30	124.8	414	2,595	
	C	58 W	6933	56.33	123.1	519	3,253	
	D	76 W	8865	73.46	120.7	664	4,158	
FS1xE30xS4 3000 K	A	38 W	4487	36.33	123.5	336	2,104	
	B	46 W	5426	44.30	122.5	406	2,545	
	C	58 W	6801	56.33	120.7	509	3,191	
	D	76 W	8696	73.46	118.4	651	4,079	

FS1xF – 65 Up | 35 Dn, 80 CRI

CONFIGURATION			LIGHT & POWER			VISUAL COMFORT		LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	
FS1xF40xS4 4000 K	A	38 W	4540	37.23	122.0	215	1,343	 Fold Spoke 69% Up 31% Dn
	B	46 W	5491	45.40	120.9	259	1,625	
	C	58 W	6882	57.73	119.2	325	2,037	
	D	76 W	8800	75.28	116.9	416	2,604	
FS1xF35xS4 3500 K	A	38 W	4455	37.23	119.7	211	1,318	
	B	46 W	5388	45.40	118.7	255	1,595	
	C	58 W	6754	57.73	117.0	319	1,999	
	D	76 W	8635	75.28	114.7	408	2,555	
FS1xF30xS4 3000 K	A	38 W	4370	37.23	117.4	207	1,293	
	B	46 W	5285	45.40	116.4	250	1,564	
	C	58 W	6625	57.73	114.8	313	1,960	
	D	76 W	8471	75.28	112.5	400	2,507	

VERSION PERFORMANCE – 4 SPOKE

FS3xB – Independent Up | Dn, 80 CRI

CONFIGURATION			LIGHT & POWER			VISUAL COMFORT		LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	
FS3xBx40xS4 4000 K	D	76 W	8544	75.02	113.9	534	3,345	 Fold Spoke 59% Up 41% Dn
FS3xBx35xS4 3500 K	D	76 W	8384	75.02	111.8	524	3,283	
FS3xBx30xS4 3000 K	D	76 W	8224	75.02	109.6	514	3,220	

Photometry Reports: 11733682.01 – 20
Photometry baseline established with integrating sphere and goniophotometer results from an independent accredited testing laboratory per IES LM-79, ANSI C78.377.
Remaining values scaled from baseline data per IES LM-63. Output and power may vary by up to 5%. Distribution plots show each Spoke leg, from linear 4 ft photometry.