JunoConnect Wafer™

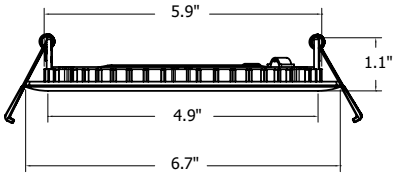
6" LED Tunable White Wafer Downlight 1000 Lumen

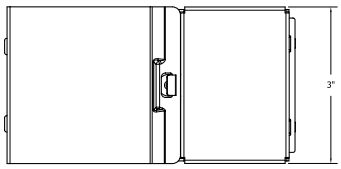
WF6C Series

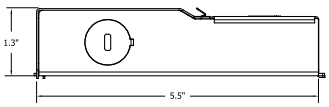
Project:	
Fixture Type:	
Location:	
Contact/Phone:	

Works with SmartThings · WORKS WITH alexa · works with Hey Google · ZigBee · ENERGY STAR · TITLE 24 PART 6 · WET LOCATION™ · AIR-LOC

Dimensions







Product Features

The JunoConnect Wafer™ with Tunable White CCT's is the perfect way to get started with connected home lighting. Once commissioned, it can be controlled through an app or voice commands.

Connect the JunoConnect™ directly to any Apple or Android phone using Bluetooth or Zigbee. Commission through the free SmartThings app or Alexa and Google voice assistant apps.

Once installed, controlling the lighting from your mobile device is simple and easy to customize lighting from on/off, fine-tuning the color temperatures (2700K to 5000K), dimming to set the mood, and grouping to control an entire area's lighting at once.

Easy installation and servicability

- Low profile integrated LED downlight, no housing required
- Easy to handle compact size
- Installs into wood joists or suspended ceilings with new construction pan

Applications

- Residential and commercial applications including multi-family, hotels, assisted living, dormitories and other multi-level construction
- Shallow plenum, new construction
- IC rated - for direct contact with insulation

Performance

Delivered Lumens	up to 1000L
LED Color Temperature	Tunable White (2700K to 5000K)
CRI	90+
Voltage	Dedicated 120V
Dimming	Dimmable to 1%

Specifications

Aperture:	4.9"
Ceiling opening:	6.25"
Overlap trim:	6.7"
Height:	1.1"

ORDERING INFORMATION

Downlight

Example: WF6C RD TUWH MW

Series		Trim Style		Color Temperature		Finish	
WF6C	6" Wafer-Thin LED Downlight	**RD**	Round	**TUWH**	Tunable White (2700K-5000K)	**MW**	Matte White

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Accessories: Order as separate catalog number.

Series	
WF8643 PAN U	Universal New Construction Pan
WF6 PAN R12	6" new construction pan, retail pack of 12
WFJB U	Remodel Joist Bar
WFEXC6 SW3PIN FT4	3-Pin 6ft Cable
WFEXC10 SW3PIN FT4	3-Pin 10ft Cable
WFEXC20 SW3PIN FT4	3-Pin 20ft Cable

WF8643 UNIVERSAL New Construction Pan

WF6 PAN

Remodel Joist Bar

WFEXC6 Cable

PERFORMANCE DATA

	WF6C
Input Voltage	120V
Input Power Typical	13.5W (+/-5%)
Frequency	50/60 Hz
EMI/RFI	FCC Title 47, Part 15 Class B (consumer)
Minimum Starting Temp	-25°C
CRI	90 min.
CCT	2700K-5000K

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C.

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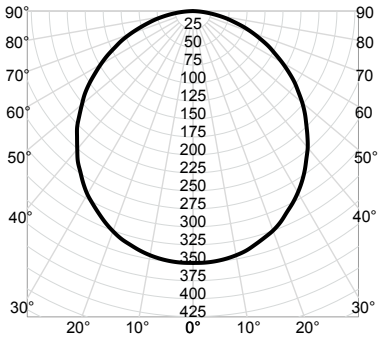
PHOTOMETRICS

Distribution Curve | **Distribution Data** | **Output Data** | **Coefficient of Utilization** | **Illuminance Data at 30" Above Floor for a Single Luminaire**

WF6C RD TUHW MW M6 _ 2700K Input Watts: 14.6, Delivered Lumens: 972, LPW: 66.6, S/MH: 1.23, Test No: ISF 21196P2



CP Summary

0°	
0°	350
5°	349
15°	336
25°	309
35°	271
45°	223
55°	172
65°	116
75°	60
85°	14
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	271	28%
0° - 40°	441	45%
0° - 60°	769	79%
0° - 90°	972	100%
90° - 180°	0	0%
0° - 180°	972	100%

Coefficients of Utilization

ρf	80%			20%			50%		
ρc	70%			70%			70%		
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	100	96	102	98	94	97	94	91
2	91	84	78	89	82	77	85	80	75
3	80	71	65	78	70	64	75	69	63
4	71	62	55	69	61	55	67	60	54
5	63	54	47	62	53	47	60	52	47
6	57	48	41	56	47	41	54	46	41
7	52	43	37	51	42	36	49	42	36
8	47	39	33	46	38	33	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	27

Cone of Light

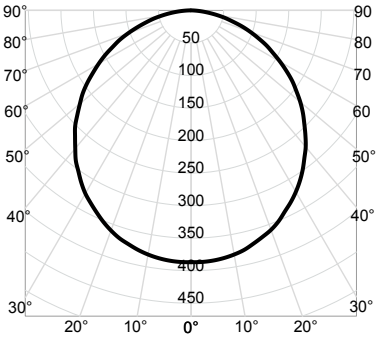
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	9.7	17.0
8.0	5.5	22.7
10.0	3.5	28.4
12.0	2.4	34.0
14.0	1.8	39.7

Beam Angle: 109.6°
Field Angle: 160.1°

Luminance (cd/sq.m)

	Average Luminance
0°	19,201
45°	17,260
55°	16,435
65°	15,027
75°	12,652
85°	8,539

WF6C RD TUHW MW M6 _ 3000K Input Watts: 15.3, Delivered Lumens: 1074, LPW: 70.2, S/MH: 1.23, Test No: ISF 21196P1



CP Summary

0°	
0°	387
5°	386
15°	371
25°	341
35°	299
45°	246
55°	190
65°	128
75°	66
85°	15
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	300	28%
0° - 40°	487	45%
0° - 60°	850	79%
0° - 90°	1,074	100%
90° - 180°	0	0%
0° - 180°	1,074	100%

Coefficients of Utilization

ρf	80%			20%			50%		
ρc	70%			70%			70%		
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	100	96	102	98	94	97	94	91
2	91	84	78	89	82	77	85	80	75
3	80	71	65	78	70	64	75	69	63
4	71	62	55	69	61	55	67	60	54
5	63	54	47	62	53	47	60	52	47
6	57	48	41	56	47	41	54	46	41
7	52	43	37	51	42	36	49	42	36
8	47	39	33	46	38	33	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	27

Cone of Light

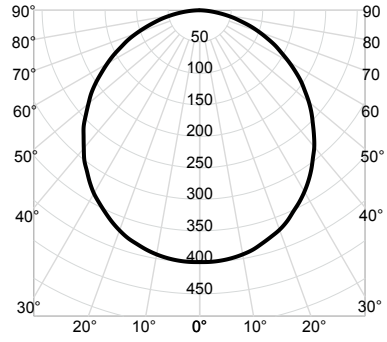
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	10.8	17.0
8.0	6.0	22.7
10.0	3.9	28.4
12.0	2.7	34.0
14.0	2.0	39.7

Beam Angle: 109.6°
Field Angle: 160.1°

Luminance (cd/sq.m)

	Average Luminance
0°	21,215
45°	19,072
55°	18,159
65°	16,604
75°	13,979
85°	9,435

WF6C RD TUHW MW M6 _ 3500K Input Watts: 14.1, Delivered Lumens: 1109, LPW: 78.7, S/MH: 1.23, Test No: ISF 21196P3



CP Summary

0°	
0°	400
5°	399
15°	383
25°	352
35°	309
45°	254
55°	196
65°	132
75°	68
85°	15
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	309	28%
0° - 40°	503	45%
0° - 60°	878	79%
0° - 90°	1,109	100%
90° - 180°	0	0%
0° - 180°	1,109	100%

Coefficients of Utilization

ρf	80%			20%			50%		
ρc	70%			70%			70%		
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	100	96	102	98	94	97	94	91
2	91	84	78	89	82	77	85	80	75
3	80	71	65	78	70	64	75	69	63
4	71	62	55	69	61	55	67	60	54
5	63	54	47	62	53	47	60	52	47
6	57	48	41	56	47	41	54	46	41
7	52	43	37	51	42	36	49	42	36
8	47	39	33	46	38	33	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	27

Cone of Light

Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	11.1	17.0
8.0	6.2	22.7
10.0	4.0	28.4
12.0	2.8	34.0
14.0	2.0	39.7

Beam Angle: 109.6°
Field Angle: 160.1°

Luminance (cd/sq.m)

	Average Luminance
0°	21,907
45°	19,693
55°	18,751
65°	17,145
75°	14,435
85°	9,742

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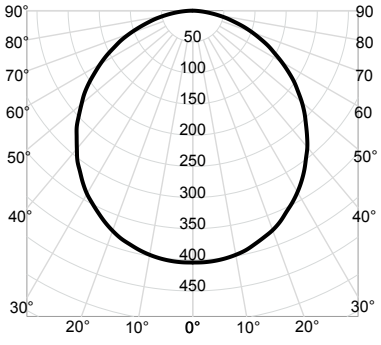
PHOTOMETRICS

Distribution Curve | **Distribution Data** | **Output Data** | **Coefficient of Utilization** | **Illuminance Data at 30" Above Floor for a Single Luminaire**

WF6C RD TUHW MW M6 _ 4000K Input Watts: 14.0, Delivered Lumens: 1122, LPW: 80.1, S/MH: 1.23, Test No: ISF 21196P4



CP Summary

0°	
0°	404
5°	403
15°	388
25°	356
35°	312
45°	257
55°	198
65°	134
75°	69
85°	16
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	313	28%
0° - 40°	509	45%
0° - 60°	888	79%
0° - 90°	1,122	100%
90° - 180°	0	0%
0° - 180°	1,122	100%

Coefficients of Utilization

ρf	ρc	80%			20%			50%		
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	100	96	102	98	94	97	94	91
2	91	84	78	89	82	77	85	80	75
3	80	71	65	78	70	64	75	69	63
4	71	62	55	69	61	55	67	60	54
5	63	54	47	62	53	47	60	52	47
6	57	48	41	56	47	41	54	46	41
7	52	43	37	51	42	36	49	42	36
8	47	39	33	46	38	33	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	27

Cone of Light

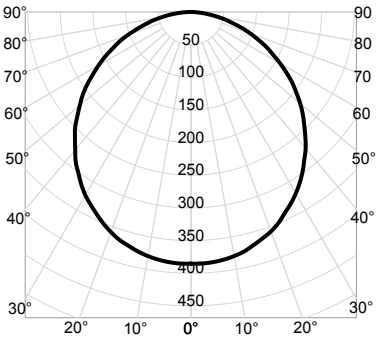
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	11.2	17.0
8.0	6.3	22.7
10.0	4.0	28.4
12.0	2.8	34.0
14.0	2.1	39.7

Beam Angle: 109.6°
Field Angle: 160.1°

Luminance (cd/sq.m)

Average Luminance	
0°	22,164
45°	19,924
55°	18,971
65°	17,346
75°	14,604
85°	9,857

WF6C RD TUHW MW M6 _ 5000K Input Watts: 14.3, Delivered Lumens: 1070, LPW: 74.8, S/MH: 1.23, Test No: ISF 21196P5



CP Summary

0°	
0°	386
5°	385
15°	370
25°	340
35°	298
45°	245
55°	189
65°	128
75°	66
85°	15
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	298	28%
0° - 40°	485	45%
0° - 60°	847	79%
0° - 90°	1,070	100%
90° - 180°	0	0%
0° - 180°	1,070	100%

Coefficients of Utilization

ρf	ρc	80%			20%			50%		
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	100	96	102	98	94	97	94	91
2	91	84	78	89	82	77	85	80	75
3	80	71	65	78	70	64	75	69	63
4	71	62	55	69	61	55	67	60	54
5	63	54	47	62	53	47	60	52	47
6	57	48	41	56	47	41	54	46	41
7	52	43	37	51	42	36	49	42	36
8	47	39	33	46	38	33	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	27

Cone of Light

Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	10.7	17.0
8.0	6.0	22.7
10.0	3.9	28.4
12.0	2.7	34.0
14.0	2.0	39.7

Beam Angle: 109.6°
Field Angle: 160.1°

Luminance (cd/sq.m)

Average Luminance	
0°	21,136
45°	19,001
55°	18,092
65°	16,542
75°	13,927
85°	9,400

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JunoConnect Wafer™

6" LED Tunable White Wafer Downlight 1000 Lumen

Specifications

Housing

Polycarbonate injection molded outer frame, with steel back plate. Non-conductive dead-front trim design suitable for a wide range of applications and codes requiring a non-conductive lens • FT4 3-pin plenum rated cable connector to connect from module to remote driver box • Steel spring clip for easy installation. 6" cut out template is provided to ensure a correct sized hole is cut into ceiling for proper installation of the trim. Size of hole should not exceed 6 ¼ inches for this product • Can be installed from 3/8" to 1 ½" ceiling thickness • Can be removed from below the ceiling for service or replacement.

LED Light Engine

LEDs are integrated to one piece high purity aluminum, thermally conductive housing to provide uninterrupted heat transfer to ensure long life of the LED • Tunable color temperature from 2700K to 5000K • 90 CRI minimum • Dimmable to 1%

Driver

Dedicated 120 volt replaceable driver • Accommodates 120 volts AC at 50/60Hz • IC rated driver • Isolated driver integrated inside steel remote box with four 7/8" knockouts with slots for pryout • Suitable for pulling wires with the 12 cubic-inch wiring compartment to accommodate up to (6) 14 gauge insulated conductors; making the Wafer LED Downlights much easier to wire in 2in/2out (plus ground) daisy-chain applications and contractor friendly • Designed to provide 50,000 hours of life • 3-year warranty on LED components.

Optical System

Computer-optimized reflector design with high reflectance white finish coupled with a high transmission diffusing lens conceals the LEDs • Efficient system that can produce over 1000 lumens while using 13.5W • Replaces 75W incandescent.

Life

Rated for 50,000 hours at 70% lumen maintenance.

Labels

CSA certified to US and Canadian safety standards • ENERGY STAR® certified product • Suitable for wet location • Air-Loc certified in accordance with ASTM E283-2004 • NOM Certified • Can be used to comply with California Title 24 Part 6 High Efficacy LED light Source Requirements.

Testing

All reports are based on published industry procedures; field performance may differ from laboratory performance.

Warranty 3-year warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Specifications subject to change without notice.

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