



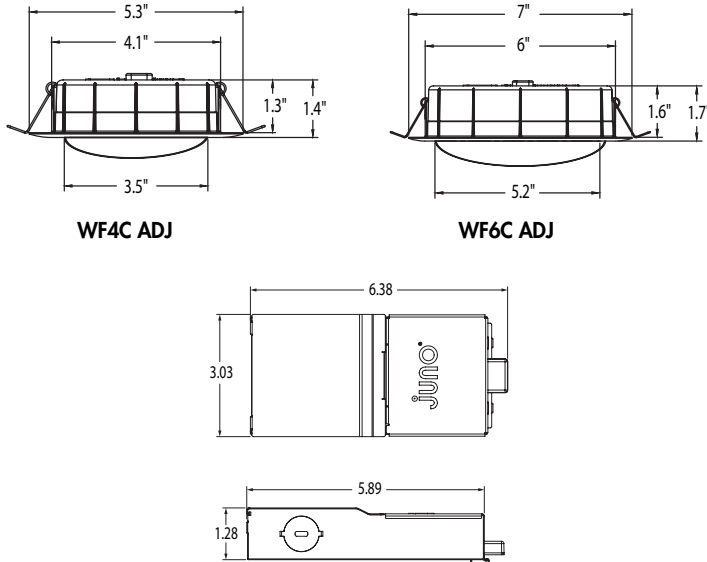
Smart Wafer Downlight

4" and 6" LED Tunable White Adjustable Smart Wafer Downlight

WF4C/WF6C ADJ Series



Dimensions



Project:
Fixture Type:
Location:
Contact/Phone:

Product Features

The Smart Adjustable Wafer with Tunable White CCT's is the perfect way to get connected with a Smart Home Lighting solution. Once commissioned, it can be controlled through an app or voice commands. Connect the Smart Adjustable Wafer directly to any Apple or Android phone using Bluetooth or Zigbee. Commission through the 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 lighting application at once.

Easy installation and servicability

- Adjustable lens provides 110° directional beam, 20° tilt, and 180° rotation for accent lighting
- Canless - no can required; equals easy to install and less labor
- Installs into wood joists with new construction pan

Applications

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

Performance

Delivered Lumens	WF4C ADJ = 785L Nominal at 3000K WF6C ADJ = 1175L Nominal at 3000K
LED Color Temperature	Tunable White (2700K to 5000K)
CRI	90+
Voltage	Dedicated 120V
Dimming	Dimmable to 1% <i>Not for use with Wall Dimmers</i>

Specifications

	WF4C ADJ	WF6C ADJ
Aperture:	3.5"	5.2"
Ceiling Opening:	4.25"	6.25"
Overlap Trim:	5.3"	7"
Height:	1.4"	1.7"

ORDERING INFORMATION

Downlight

Example: WF4C ADJ TUWH MW

Series	Trim Style	Color Temperature	Finish
WF4C 4" Smart Adjustable Downlight	ADJ Round Adjustable	TUWH Tunable White (2700K-5000K)	MW Matte White
WF6C 6" Smart Adjustable Downlight			



Smart Wafer Downlight

4" and 6" LED Tunable White
Adjustable Smart Wafer Downlight

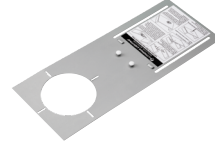


Accessories: Order as separate catalog number.

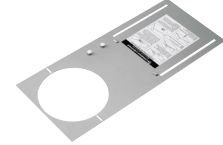
Series	
WF8643 PAN R6	Universal New Construction Pan, Retail Pack of 6
WF8643 PAN U	Universal New Construction Pan, Unit Pack
WF4 PAN R12	4" new construction pan, retail pack of 12
WF6 PAN R12	6" new construction pan, retail pack of 12
WF4GR MW JZ	4" round oversized trim ring
WF6GR MW JZ	6" round oversized trim ring
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



WF4 PAN
4" New Construction Pan



WF6 PAN
6" New Construction Pan



Remodel Joist Bar



WFEXCx
3-Pin Extension Cable

PERFORMANCE DATA

	WF4C ADJ	WF6C ADJ
Input Voltage	120V	120V
Input Power Typical	10.8W (+/-5%)	14.0W (+/-5%)
Frequency	50/60 Hz	50/60 Hz
EMI/RFI	FCC Title 47, Part 15 Class B (consumer)	FCC Title 47, Part 15 Class B (consumer)
Minimum Starting Temp	-25°C	-25°C
CRI	90 min.	90 min.
CCT	2700K-5000K	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.

LIGHTING PERFORMANCE DATA DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE

Light Appearance (CCT)
Aspect de la lumière (CCT)

2700K soft white | blanc doux

770 lumens | 71 lumens per watt

3000K warm white | blanc chaud

785 lumens | 72 lumens per watt

3500K neutral white | blanc neutre

830 lumens | 73 lumens per watt

4000K cool white | blanc froid

840 lumens | 74 lumens per watt

5000K daylight | blanc neutre

825 lumens | 75 lumens per watt

Watts **10.8**

Color Accuracy (CRI) **90**

Précision des couleurs (CRI)

LIGHTING PERFORMANCE DATA DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE

Light Appearance (CCT)
Aspect de la lumière (CCT)

2700K soft white | blanc doux

1085 lumens | 75 lumens per watt

3000K warm white | blanc chaud

1175 lumens | 84 lumens per watt

3500K neutral white | blanc neutre

1155 lumens | 83 lumens per watt

4000K cool white | blanc froid

1170 lumens | 84 lumens per watt

5000K daylight | blanc neutre

1170 lumens | 84 lumens per watt

Watts **14**

Color Accuracy (CRI) **90**

Précision des couleurs (CRI)



Smart Wafer Downlight

4" and 6" LED Tunable White Adjustable Smart Wafer Downlight



Specifications

Housing

Aluminum die cast outer frame, durable, powder coat paint to prevent rust

- Polycarbonate lens provides even illumination throughout the space lens can be tilt up to 20 degrees and can be rotated up to 180 degrees
- FT4 3-pin plenum rated cable connector to connect from module to remote driver box
- Steel spring clip for easy installation. 4" or 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 4 1/4 inches (WF4C) or 6 1/4 inches (WF6C) for this product
- Can be installed from 3/8" to 1 1/2" 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%. Not for use with Wall Dimmers.

Driver

Dedicated 120 volt replaceable driver

- Accommodates 120 volts AC at 50/60Hz
- 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 conductor or (4) 12 gauge insulated conductors, making the Regressed Wafer 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 785 lumens while using 10.8W (WF4C) or 1175 lumens while using 14.0W (WF6C)
- Replaces 65W or 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. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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.

Specifications subject to change without notice.



Smart Wafer Downlight

4" and 6" LED Tunable White Adjustable Smart Wafer Downlight



PHOTOMETRICS

Distribution Curve

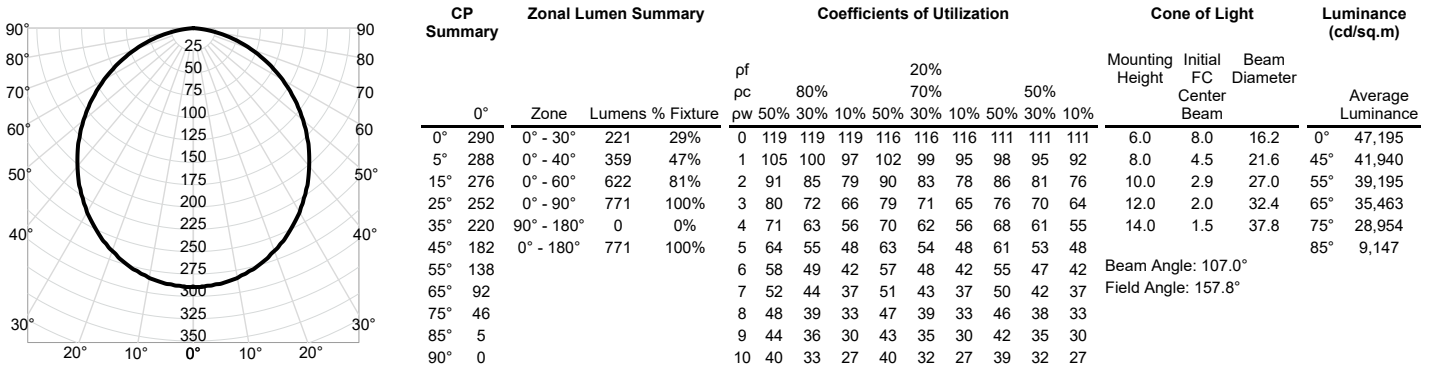
Distribution Data

Output Data

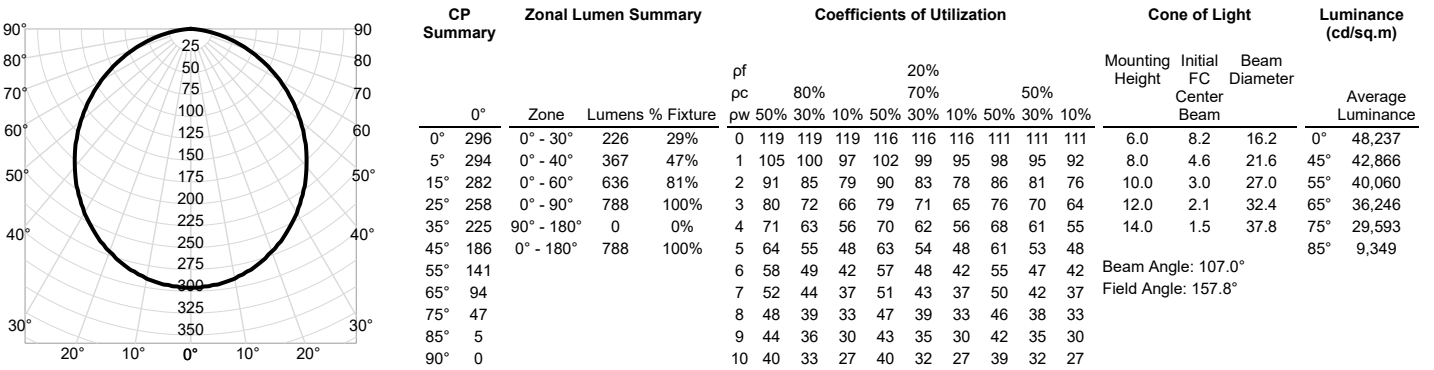
Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

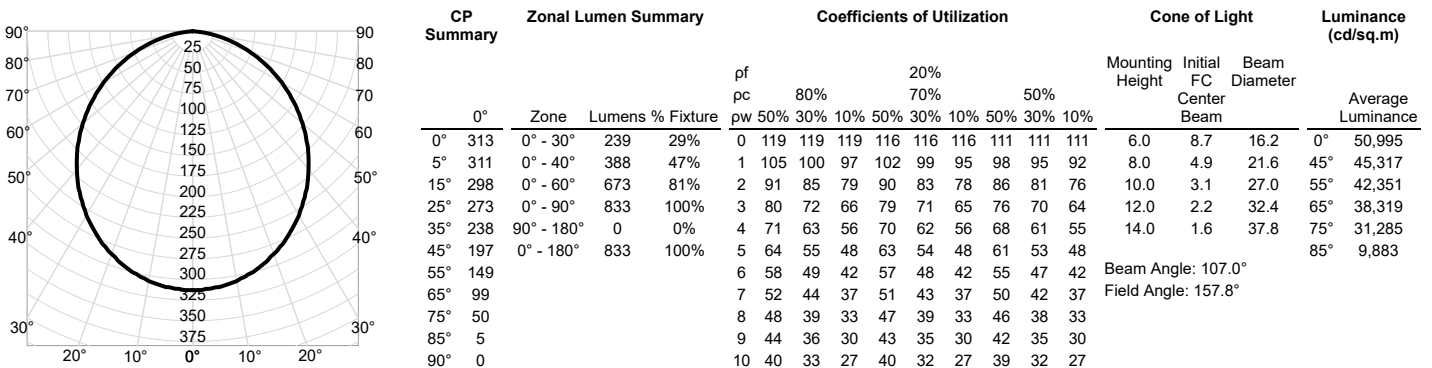
WF4C ADJ TUWH MW_27K Input Watts: 10.8, Delivered Lumens: 771, LPW: 71.4, S/MH: 1.21, Test No: 80098010-003P1



WF4C ADJ TUWH MW_30K Input Watts: 10.8, Delivered Lumens: 788, LPW: 73.0, S/MH: 1.21, Test No: 80098010-003P2



WF4C ADJ TUWH MW_35K Input Watts: 10.7, Delivered Lumens: 833, LPW: 77.9, S/MH: 1.21, Test No: 80098010-003P3





Smart Wafer Downlight

4" and 6" LED Tunable White
Adjustable Smart Wafer Downlight



PHOTOMETRICS

Distribution Curve

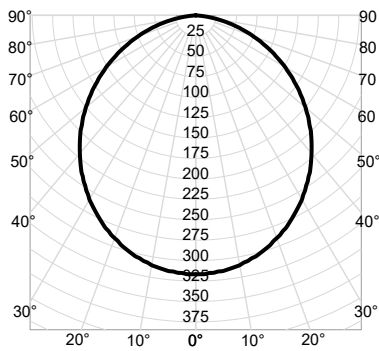
Distribution Data

Output Data

Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

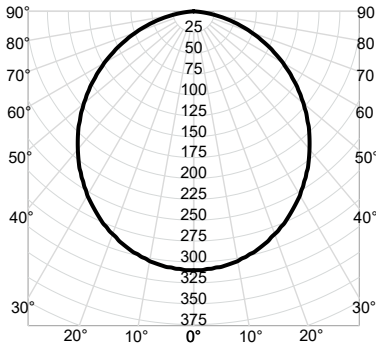
WF4C ADJ TUWH MW_40K Input Watts: 10.7, Delivered Lumens: 843, LPW: 78.8, S/MH: 1.21, Test No: 80098010-003P4



CP Summary	Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
					0°	Zone	Lumens	% Fixture	pf pc	80%		20%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance
										50%	30%	10%	50%	30%	10%				
0°	317	0° - 30°	242	29%	0	119	119	119	116	116	116	111	111	111	6.0	8.8	16.2	0°	51,608
5°	315	0° - 40°	393	47%	1	105	100	97	102	99	95	98	95	92	8.0	4.9	21.6	45°	45,862
15°	302	0° - 60°	681	81%	2	91	85	79	90	83	78	86	81	76	10.0	3.2	27.0	55°	42,860
25°	276	0° - 90°	843	100%	3	80	72	66	79	71	65	76	70	64	12.0	2.2	32.4	65°	38,779
35°	241	90° - 180°	0	0%	4	71	63	56	70	62	56	68	61	55	14.0	1.6	37.8	75°	31,661
45°	199	0° - 180°	843	100%	5	64	55	48	63	54	48	61	53	48				85°	10,002
55°	151				6	58	49	42	57	48	42	55	47	42					
65°	101				7	52	44	37	51	43	37	50	42	37					
75°	50				8	48	39	33	47	39	33	46	38	33					
85°	5				9	44	36	30	43	35	30	42	35	30					
90°	0				10	40	33	27	40	32	27	39	32	27					

Beam Angle: 107.0°
Field Angle: 157.8°

WF4C ADJ TUWH MW_50K Input Watts: 10.9, Delivered Lumens: 825, LPW: 75.7, S/MH: 1.21, Test No: 80098010-003P5



CP Summary	Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
					0°	Zone	Lumens	% Fixture	pf pc	80%		20%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance
										50%	30%	10%	50%	30%	10%				
0°	310	0° - 30°	237	29%	0	119	119	119	116	116	116	111	111	111	6.0	8.6	16.2	0°	50,504
5°	308	0° - 40°	384	47%	1	105	100	97	102	99	95	98	95	92	8.0	4.8	21.6	45°	44,881
15°	295	0° - 60°	666	81%	2	91	85	79	90	83	78	86	81	76	10.0	3.1	27.0	55°	41,943
25°	270	0° - 90°	825	100%	3	80	72	66	79	71	65	76	70	64	12.0	2.2	32.4	65°	37,950
35°	236	90° - 180°	0	0%	4	71	63	56	70	62	56	68	61	55	14.0	1.6	37.8	75°	30,984
45°	195	0° - 180°	825	100%	5	64	55	48	63	54	48	61	53	48				85°	9,788
55°	148				6	58	49	42	57	48	42	55	47	42					
65°	98				7	52	44	37	51	43	37	50	42	37					
75°	49				8	48	39	33	47	39	33	46	38	33					
85°	5				9	44	36	30	43	35	30	42	35	30					
90°	0				10	40	33	27	40	32	27	39	32	27					

Beam Angle: 107.0°
Field Angle: 157.8°



Smart Wafer Downlight

4" and 6" LED Tunable White Adjustable Smart Wafer Downlight



PHOTOMETRICS

Distribution Curve

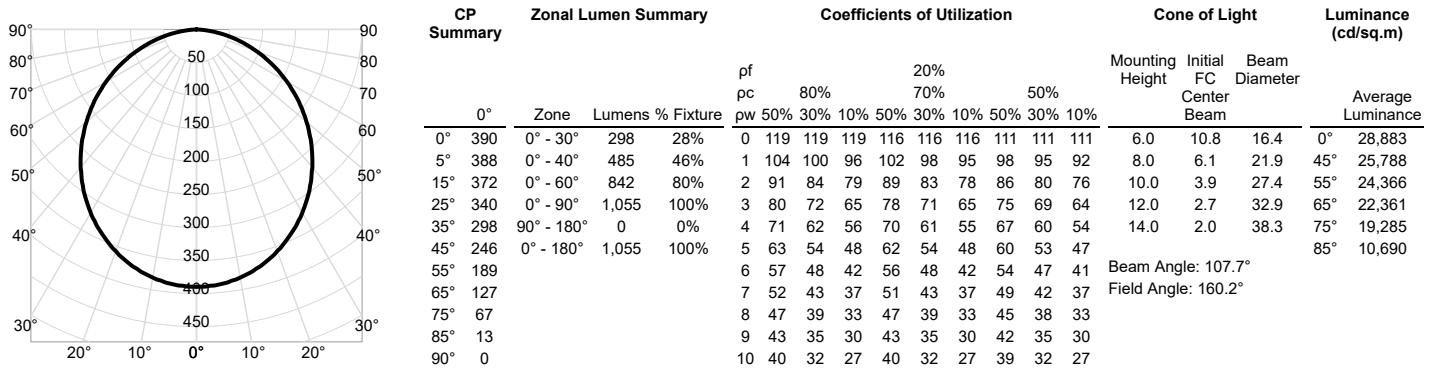
Distribution Data

Output Data

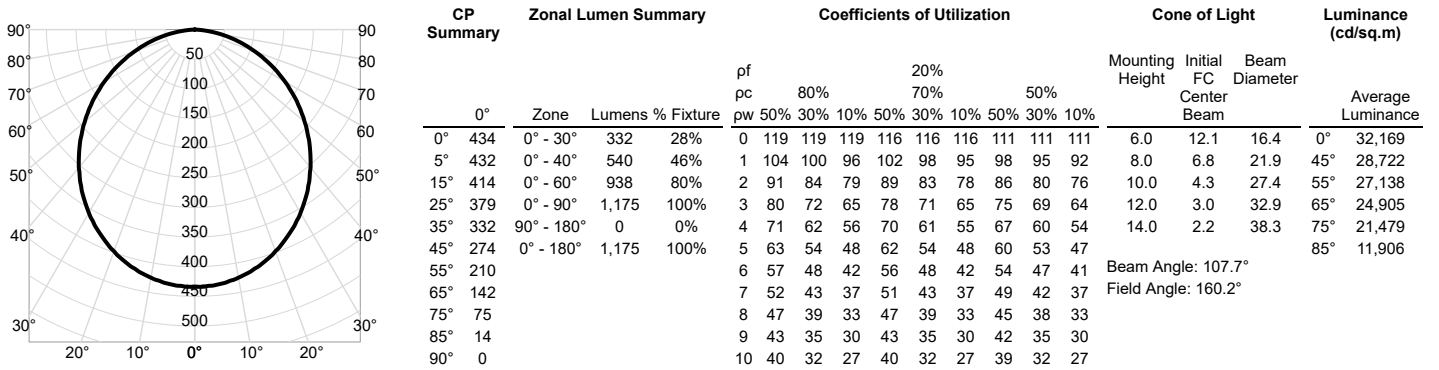
Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

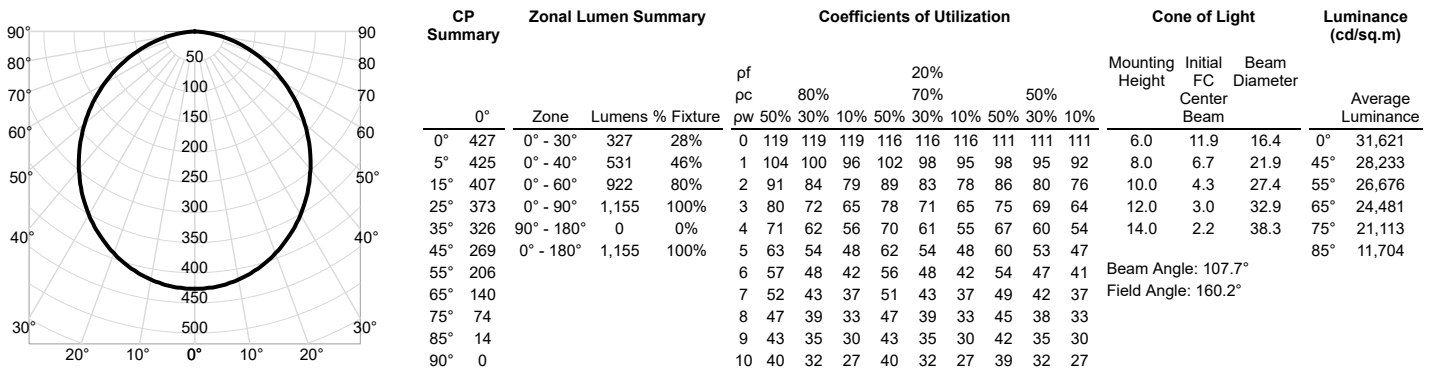
WF6C ADJ TUWH MW_27K Input Watts: 13.8, Delivered Lumens: 1055, LPW: 76.4, S/MH: 1.21, Test No: 80098010-004P1



WF6C ADJ TUWH MW_30K Input Watts: 13.9, Delivered Lumens: 1175, LPW: 84.5, S/MH: 1.21, Test No: 80098010-004P2



WF6C ADJ TUWH MW_35K Input Watts: 13.8, Delivered Lumens: 1155, LPW: 83.7, S/MH: 1.21, Test No: 80098010-004P3





Smart Wafer Downlight

4" and 6" LED Tunable White
Adjustable Smart Wafer Downlight



PHOTOMETRICS

Distribution Curve

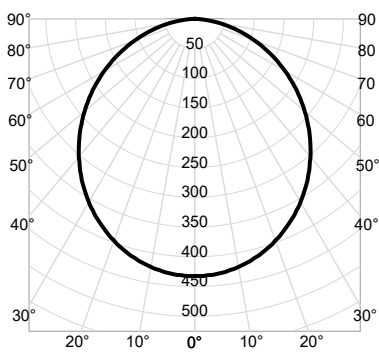
Distribution Data

Output Data

Coefficient of Utilization

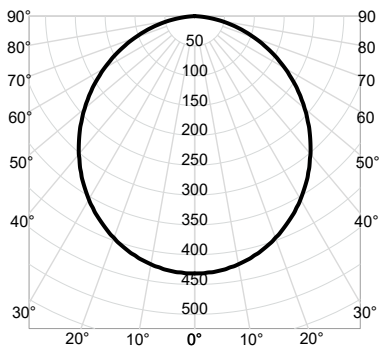
Illuminance Data at 30" Above Floor for a Single Luminaire

WF6C ADJ TUWH MW_40K Input Watts: 14.0, Delivered Lumens: 1171, LPW: 83.6, S/MH: 1.21, Test No: 80098010-004P4



0°	CP Summary				Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
	Zone	Lumens	% Fixture		pf	80%			20%			50%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance				
					pc	50%	30%	10%	50%	30%	10%	50%	30%	10%									
0°	433	0° - 30°	331	28%	0	119	119	119	116	116	116	111	111	111	6.0	12.0	16.4	0°	32,059				
5°	431	0° - 40°	538	46%	1	104	100	96	102	98	95	98	95	92	8.0	6.8	21.9	45°	28,624				
15°	413	0° - 60°	935	80%	2	91	84	79	89	83	78	86	80	76	10.0	4.3	27.4	55°	27,045				
25°	378	0° - 90°	1,171	100%	3	80	72	65	78	71	65	75	69	64	12.0	3.0	32.9	65°	24,820				
35°	331	90° - 180°	0	0%	4	71	62	56	70	61	55	67	60	54	14.0	2.2	38.3	75°	21,406				
45°	273	0° - 180°	1,171	100%	5	63	54	48	62	54	48	60	53	47				85°	11,866				
55°	209				6	57	48	42	56	48	42	54	47	41	Beam Angle: 107.7°								
65°	142				7	52	43	37	51	43	37	49	42	37	Field Angle: 160.2°								
75°	75				8	47	39	33	47	39	33	45	38	33									
85°	14				9	43	35	30	43	35	30	42	35	30									
90°	0				10	40	32	27	40	32	27	39	32	27									

WF6C ADJ TUWH MW_50K Input Watts: 14.3, Delivered Lumens: 1168, LPW: 81.7, S/MH: 1.21, Test No: 80098010-004P5



0°	CP Summary				Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
	Zone	Lumens	% Fixture		pf	80%			20%			50%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance				
					pc	50%	30%	10%	50%	30%	10%	50%	30%	10%									
0°	431	0° - 30°	330	28%	0	119	119	119	116	116	116	111	111	111	6.0	12.0	16.4	0°	31,977				
5°	429	0° - 40°	537	46%	1	104	100	96	102	98	95	98	95	92	8.0	6.7	21.9	45°	28,551				
15°	412	0° - 60°	933	80%	2	91	84	79	89	83	78	86	80	76	10.0	4.3	27.4	55°	26,976				
25°	377	0° - 90°	1,168	100%	3	80	72	65	78	71	65	75	69	64	12.0	3.0	32.9	65°	24,756				
35°	330	90° - 180°	0	0%	4	71	62	56	70	61	55	67	60	54	14.0	2.2	38.3	75°	21,351				
45°	272	0° - 180°	1,168	100%	5	63	54	48	62	54	48	60	53	47				85°	11,835				
55°	209				6	57	48	42	56	48	42	54	47	41	Beam Angle: 107.7°								
65°	141				7	52	43	37	51	43	37	49	42	37	Field Angle: 160.2°								
75°	75				8	47	39	33	47	39	33	45	38	33									
85°	14				9	43	35	30	43	35	30	42	35	30									
90°	0				10	40	32	27	40	32	27	39	32	27									