Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — The 4", 6" and 8" Wafer™ LED Downlight with Switchable White provides high-quality light output and efficiency featuring a switch for easy color temperature adjustment - while eliminating the need for recessed housings. The innovative, slim design allows for easy retrofit, remodel or new construction installation from below the ceiling. The Wafer LED downlight is wet location listed – making it ideal for use in a breadth of outdoor residential, hospitality, commercial and multifamily applications. The LED module maintains at least 70% light output for 50,000 hours.

CONSTRUCTION — Aluminum die cast outer frame. Durable, powder coat paint to prevent rust. FT4 plenum rated cable connector to connect from module to remote driver box. IC rated driver with convenience and value of two remote selectable color temperature options, each with a setting choice to chose either 2700K, 3000K, and 3500K or 3000K, 4000K, and 5000K using the switch. The 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, or (4) 12 gauge insulated conductors; making the Wafer LED Downlights much easier to wire in 2in/2out (plus ground) daisy-chain applications and contractor friendly.

INSTALLATION — Ideal for shallow ceiling plenum; no housing required. Steel spring clip for easy installation. 4", 6" or 8" 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" for the WF4, 6-1/4" for the WF6 and 8-1/4" for the WF8. Suitable for installation in t-grid and drop ceiling applications. 3" plenum space required for installation of the remote driver box.

OPTICS — Edge-lit LED technology uses light guided plate to distribute light. Polycarbonate lens provides even illumination throughout the space.

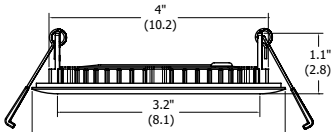
ELECTRICAL — Multi-volt (120-277V, 50/60Hz) proprietary remote LED driver/splice box, with two (2) additional low-voltage wires for 0-10v dimming, down to 10% (depending on dimmer model and application). High efficient driver with power factor > 0.9. Ambient operating temperature: -40°F (-40°C) to +104°F (+40°C). Replaces 65W incandescent (WF4), 75W incandescent (WF6) or 100W incandescent (WF8).

LISTINGS — CSA certified to US and Canadian safety standards. ENERGY STAR® certified. Wet location. Air Tight 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.

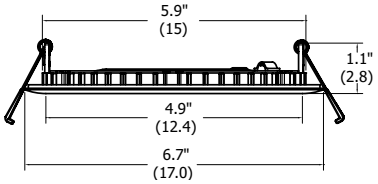
WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

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.

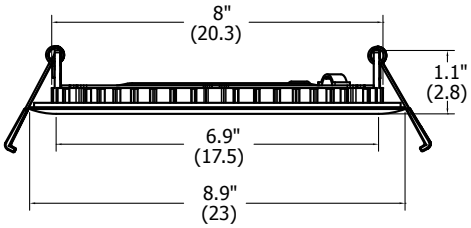
WF4

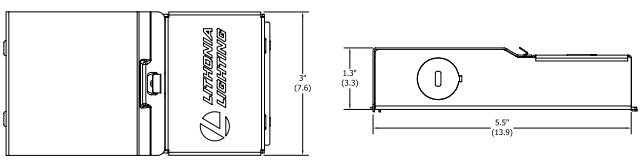


WF6



WF8





Wafer LED Recessed Downlight

WF4/WF6/WF8 MVOLT

4", 6" and 8" LED Switchable White Color Temperature

IC/Non-IC
New Construction/Remodel

Matte black **Brushed nickel** **Oil-rubbed bronze**

WF4 Specifications	
Aperture:	3.2 (8.1)
Ceiling opening:	4.2 (10.7)
Overlap trim:	4.7 (12.0)
Height:	1.1 (2.8)

WF6 Specifications	
Aperture:	4.9 (12.4)
Ceiling opening:	6 (15.2)
Overlap trim:	6.7 (17)
Height:	1.1 (2.8)

WF8 Specifications	
Aperture:	6.9"
Ceiling opening:	8"
Over lamp trim:	8.9"
Height :	1.1"

All dimensions are inches (centimeters) unless otherwise indicated.

WF4 WF6 WF8 MVOLT Switchable White 4", 6" or 8" LED Wafer Module

ORDERING INFORMATION For shortest lead times, configure product using **standard options (shown in bold).** **Example:** WF4 LED 30K40K50K MVOLT 90CRI MW

WF4	LED				
Series	**Lamp**	**CCT/W/Lumens[1]**	**Voltage**	**CRI**	**Finish**
WF4 4" wafer-thin LED downlight	**LED** LED	**27K30K35K** 2700K/10.5W/730L 3000K/10.5W/800L 3500K/10.5W/780L	**MVOLT** Multi-Volt (120-277V)	**90CRI** 90CRI	**MW** Matte White **MB** Matte Black **BN** Brush Nickel **ORB** Oil-Rubbed Bronze
		30K40K50K 3000K/10.5W/750L 4000K/10.5W/810L 5000K/10.5W/790L			

ORDERING INFORMATION For shortest lead times, configure product using **standard options (shown in bold).** **Example:** WF6 LED 30K40K50K MVOLT 90CRI MW

WF6	LED				
Series	**Lamp**	**CCT/W/Lumens[1]**	**Voltage**	**CRI**	**Finish**
WF6 6" wafer-thin LED downlight	**LED** LED	**27K30K35K** 2700K/14W/1070L 3000K/14W/1150L 3500K/14W/1110L	**MVOLT** Multi-Volt (120-277V)	**90CRI** 90CRI	**MW** Matte White **MB** Matte Black **BN** Brush Nickel **ORB** Oil-Rubbed Bronze
		30K40K50K 3000K/14W/1090L 4000K/14W/1190L 5000K/14W/1120L			

ORDERING INFORMATION For shortest lead times, configure product using **standard options (shown in bold).** **Example:** WF8 LED 30K40K50KT MVOLT 90CRI MW

WF8	LED				
Series	**Lamp**	**CCT/W/Lumens[1]**	**Voltage**	**CRI**	**Finish**
WF8 8" wafer-thin LED downlight	**LED** LED	**27K30K35K** 2700K/20.5W/1630L 3000K/20.5W/1800L 3500K/20.5W/1740L	**MVOLT** Multi-Volt (120-277V)	**90CRI** 90CRI	**MW** Matte White
		30K40K50K 3000K/20.5W/1690L 4000K/20.5W/1850L 5000K/20.5W/1820L			

Notes
1 Total system delivered lumens.

Accessories: *Order as separate catalog number.*

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
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
WF4GR MW	4" round oversized trim ring
WF6GR MW	6" round oversized trim ring
WF8GR MW	8" round oversized trim ring

WF4 Pan R12 4" new construction pan, retail pack of 12

WF8643 New Construction Pan

WF6 PAN R12 6" new construction pan, retail pack of 12

Remodel Joist Bar

WFEXC6 Cable

DOWNLIGHTING: One Lithonia Way, Conyers, GA 30012 Phone: 1-800-705-SERV (7378) www.lithonia.com
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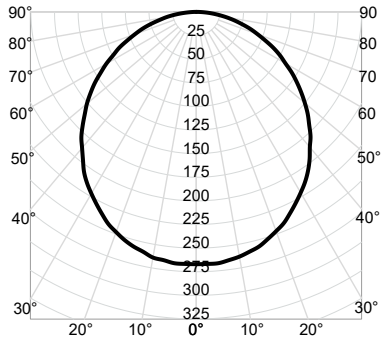
Rev. 06/08/22

PHOTOMETRICS

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

WF4 LED 27K30K35K MVOLT 90CRI 2700K Input Watts: 10.7, Delivered Lumens: 741, LPW: 69.3, S/MH: 1.23, Test No: ISF 36826P101



CP Summary

0°	
0°	267
5°	267
15°	257
25°	235
35°	206
45°	169
55°	130
65°	90
75°	50
85°	15
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	207	28%
0° - 40°	335	45%
0° - 60°	583	79%
0° - 90°	741	100%
90° - 180°	0	0%
0° - 180°	741	100%

Coefficients of Utilization

ρf	80%			20%			50%		
ρc	70%			70%			50%		
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	99	96	101	98	94	97	94	91
2	90	84	78	89	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	37	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

Cone of Light

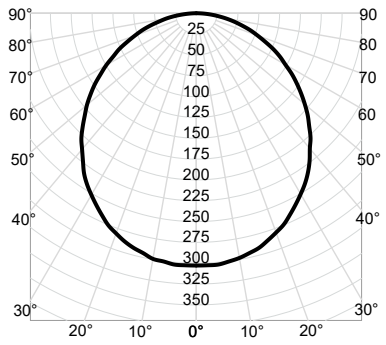
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	7.4	16.6
8.0	4.2	22.1
10.0	2.7	27.7
12.0	1.9	33.2
14.0	1.4	38.7

Beam Angle: 108.3°
Field Angle: 162.9°

Luminance (cd/sq.m)

	Average Luminance
0°	50,195
45°	44,932
55°	42,609
65°	40,036
75°	36,318
85°	32,355

WF4 LED 27K30K35K MVOLT 90CRI 3000K Input Watts: 10.1, Delivered Lumens: 840, LPW: 83.2, S/MH: 1.23, Test No: ISF 36826P102



CP Summary

0°	
0°	303
5°	303
15°	291
25°	266
35°	234
45°	192
55°	147
65°	102
75°	57
85°	17
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	234	28%
0° - 40°	380	45%
0° - 60°	661	79%
0° - 90°	840	100%
90° - 180°	0	0%
0° - 180°	840	100%

Coefficients of Utilization

ρf	80%			20%			50%		
ρc	70%			70%			50%		
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	99	96	101	98	94	97	94	91
2	90	84	78	89	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	37	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

Cone of Light

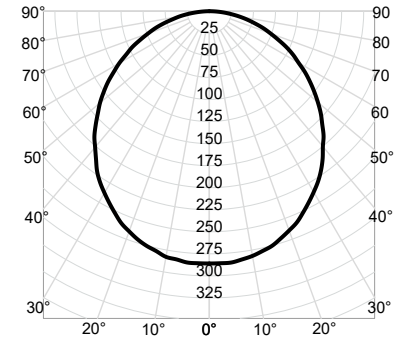
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	8.4	16.6
8.0	4.7	22.1
10.0	3.0	27.7
12.0	2.1	33.2
14.0	1.5	38.7

Beam Angle: 108.3°
Field Angle: 162.9°

Luminance (cd/sq.m)

	Average Luminance
0°	56,916
45°	50,947
55°	48,314
65°	45,396
75°	41,181
85°	36,687

WF4 LED 27K30K35K MVOLT 90CRI 3500K Input Watts: 10.4, Delivered Lumens: 793, LPW: 76.3, S/MH: 1.23, Test No: ISF 36826P103



CP Summary

0°	
0°	286
5°	286
15°	275
25°	252
35°	221
45°	181
55°	139
65°	96
75°	54
85°	16
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	221	28%
0° - 40°	359	45%
0° - 60°	624	79%
0° - 90°	793	100%
90° - 180°	0	0%
0° - 180°	793	100%

Coefficients of Utilization

ρf	80%			20%			50%		
ρc	70%			70%			50%		
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	99	96	101	98	94	97	94	91
2	90	84	78	89	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	37	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

Cone of Light

Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	7.9	16.6
8.0	4.5	22.1
10.0	2.9	27.7
12.0	2.0	33.2
14.0	1.5	38.7

Beam Angle: 108.3°
Field Angle: 162.9°

Luminance (cd/sq.m)

	Average Luminance
0°	53,761
45°	48,124
55°	45,636
65°	42,880
75°	38,898
85°	34,654

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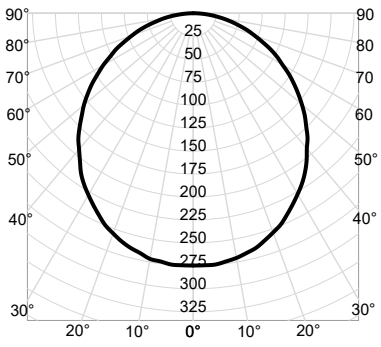
PHOTOMETRICS

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

WF4 LED 30K40K50K MVOLT 90CRI 3000K Input Watts: 10.6, Delivered Lumens: 762, LPW: 71.9, S/MH: 1.23, Test No: ISF 36826P104



CP Summary

0°	275
5°	275
15°	264
25°	242
35°	212
45°	174
55°	134
65°	93
75°	51
85°	15
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	212	28%
0° - 40°	345	45%
0° - 60°	599	79%
0° - 90°	762	100%
90° - 180°	0	0%
0° - 180°	762	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	99	96	101	98	94	97	94	91
2	90	84	78	89	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	37	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

Cone of Light

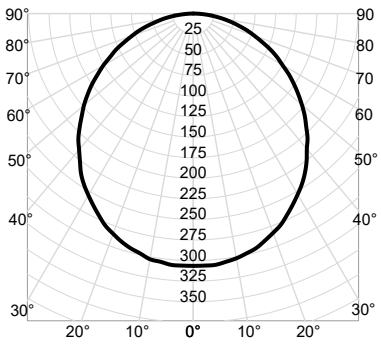
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	7.6	16.6
8.0	4.3	22.1
10.0	2.7	27.7
12.0	1.9	33.2
14.0	1.4	38.7

Beam Angle: 108.3°
Field Angle: 162.9°

Luminance (cd/sq.m)

	Average Luminance
0°	51,635
45°	46,221
55°	43,832
65°	41,184
75°	37,360
85°	33,284

WF4 LED 30K40K50K MVOLT 90CRI 4000K Input Watts: 10.6, Delivered Lumens: 850, LPW: 80.2, S/MH: 1.23, Test No: ISF 36826P105



CP Summary

0°	306
5°	306
15°	295
25°	270
35°	236
45°	194
55°	149
65°	103
75°	57
85°	17
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	237	28%
0° - 40°	385	45%
0° - 60°	669	79%
0° - 90°	850	100%
90° - 180°	0	0%
0° - 180°	850	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	99	96	101	98	94	97	94	91
2	90	84	78	89	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	37	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

Cone of Light

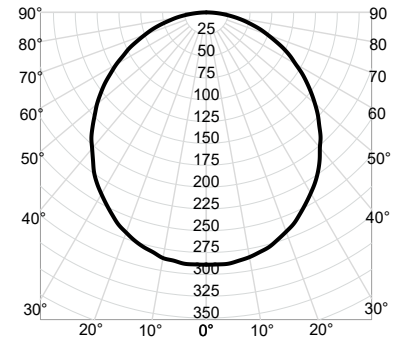
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	8.5	16.6
8.0	4.8	22.1
10.0	3.1	27.7
12.0	2.1	33.2
14.0	1.6	38.7

Beam Angle: 108.3°
Field Angle: 162.9°

Luminance (cd/sq.m)

	Average Luminance
0°	57,601
45°	51,561
55°	48,896
65°	45,943
75°	41,677
85°	37,129

WF4 LED 30K40K50K MVOLT 90CRI 5000K Input Watts: 10.1, Delivered Lumens: 801, LPW: 79.3, S/MH: 1.23, Test No: ISF 36826P106



CP Summary

0°	289
5°	289
15°	278
25°	254
35°	223
45°	183
55°	141
65°	97
75°	54
85°	16
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	224	28%
0° - 40°	363	45%
0° - 60°	630	79%
0° - 90°	801	100%
90° - 180°	0	0%
0° - 180°	801	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	99	96	101	98	94	97	94	91
2	90	84	78	89	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	37	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

Cone of Light

Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	8.0	16.6
8.0	4.5	22.1
10.0	2.9	27.7
12.0	2.0	33.2
14.0	1.5	38.7

Beam Angle: 108.3°
Field Angle: 162.9°

Luminance (cd/sq.m)

	Average Luminance
0°	54,310
45°	48,615
55°	46,102
65°	43,317
75°	39,295
85°	35,008

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ENERGY DATA

WF4 LED 27K30K35K MVOLT			
Color Temperature	2700K	3000K	3500K
Lumens	730	800	780
CRI	90	90	90
Rated wattage	10.7	10.1	10.4
Lu/Watts	68.2	79.2	75.0
Min. starting temp	-40°C (-40°F)	-40°C (-40°F)	-40°C (-40°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B
Sound rating	Class A Standards	Class A Standards	Class A Standards
Input voltage	120V	120V	120V
Min. power factor	0.97	0.97	0.97
Input frequency	50/60 Hz	50/60 Hz	50/60 Hz
Input power	120V	120V	120V
Input current	0.09A	0.09A	0.09A

WF4 LED 30K40K50K MVOLT			
Color Temperature	3000K	4000K	5000K
Lumens	750	810	790
CRI	90	90	90
Rated wattage	10.6	10.6	10.1
Lu/Watts	70.8	76.4	78.2
Min. starting temp	-40°C (-40°F)	-40°C (-40°F)	-40°C (-40°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B
Sound rating	Class A Standards	Class A Standards	Class A Standards
Input voltage	120V	120V	120V
Min. power factor	0.97	0.97	0.97
Input frequency	50/60 Hz	50/60 Hz	50/60 Hz
Input power	120V	120V	120V
Input current	0.09A	0.09A	0.09A

DOWNLIGHTING: One Lithonia Way, Conyers, GA 30012 Phone: 1-800-705-SERV (7378) www.lithonia.com

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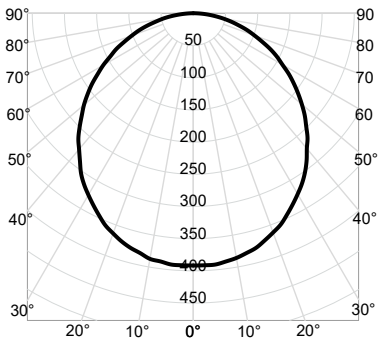
PHOTOMETRICS

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

WF6 LED 27K30K35K MVOLT 90CRI 2700K Input Watts: 14.1, Delivered Lumens: 1087, LPW: 77.1, S/MH: 1.23, Test No: ISF 36826P107



CP Summary

0°	
0°	392
5°	392
15°	377
25°	345
35°	302
45°	248
55°	191
65°	132
75°	73
85°	22
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	303	28%
0° - 40°	492	45%
0° - 60°	855	79%
0° - 90°	1,087	100%
90° - 180°	0	0%
0° - 180°	1,087	100%

Coefficients of Utilization

ρf	20%			70%			50%		
ρc	80%								
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	99	96	101	98	94	97	94	91
2	90	84	78	89	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	37	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

Cone of Light

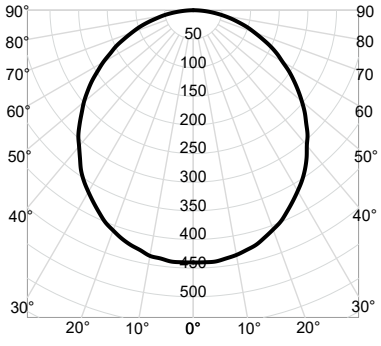
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	10.9	16.6
8.0	6.1	22.1
10.0	3.9	27.7
12.0	2.7	33.2
14.0	2.0	38.7

Beam Angle: 108.3°
Field Angle: 162.9°

Luminance (cd/sq.m)

	Average Luminance
0°	73,647
45°	65,925
55°	62,517
65°	58,741
75°	53,287
85°	47,472

WF6 LED 27K30K35K MVOLT 90CRI 3000K Input Watts: 13.4, Delivered Lumens: 1221, LPW: 91.1, S/MH: 1.23, Test No: ISF 36826P108



CP Summary

0°	
0°	440
5°	440
15°	424
25°	387
35°	340
45°	279
55°	214
65°	148
75°	82
85°	25
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	341	28%
0° - 40°	553	45%
0° - 60°	961	79%
0° - 90°	1,221	100%
90° - 180°	0	0%
0° - 180°	1,221	100%

Coefficients of Utilization

ρf	20%			70%			50%		
ρc	80%								
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	99	96	101	98	94	97	94	91
2	90	84	78	89	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	37	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

Cone of Light

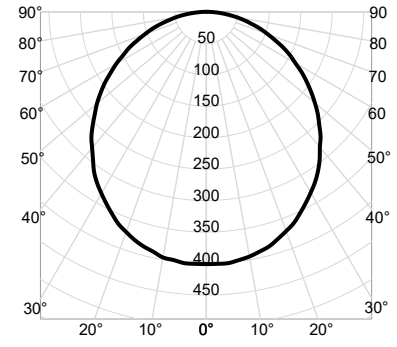
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	12.2	16.6
8.0	6.9	22.1
10.0	4.4	27.7
12.0	3.1	33.2
14.0	2.2	38.7

Beam Angle: 108.3°
Field Angle: 162.9°

Luminance (cd/sq.m)

	Average Luminance
0°	82,768
45°	74,088
55°	70,259
65°	66,015
75°	59,886
85°	53,351

WF6 LED 30K40K50K MVOLT 90CRI 3000K Input Watts: 13.8, Delivered Lumens: 1112, LPW: 80.6, S/MH: 1.23, Test No: ISF 36826P110



CP Summary

0°	
0°	401
5°	401
15°	386
25°	353
35°	309
45°	254
55°	195
65°	135
75°	75
85°	23
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	310	28%
0° - 40°	503	45%
0° - 60°	875	79%
0° - 90°	1,112	100%
90° - 180°	0	0%
0° - 180°	1,112	100%

Coefficients of Utilization

ρf	20%			70%			50%		
ρc	80%								
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	99	96	101	98	94	97	94	91
2	90	84	78	89	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	37	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

Cone of Light

Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	11.1	16.6
8.0	6.3	22.1
10.0	4.0	27.7
12.0	2.8	33.2
14.0	2.0	38.7

Beam Angle: 108.3°
Field Angle: 162.9°

Luminance (cd/sq.m)

	Average Luminance
0°	75,362
45°	67,459
55°	63,972
65°	60,108
75°	54,527
85°	48,577

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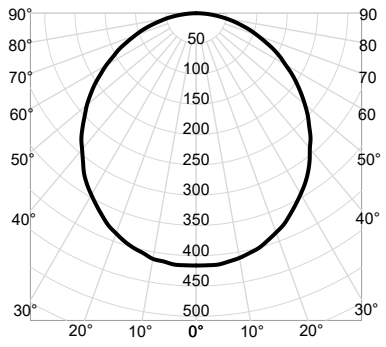
PHOTOMETRICS

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

WF6 LED 27K30K35K MVOLT 90CRI 3500K Input Watts: 13.9, Delivered Lumens: 1155, LPW: 83.1, S/MH: 1.23, Test No: ISF 36826P109



CP Summary

0°	416
5°	416
15°	401
25°	366
35°	321
45°	263
55°	203
65°	140
75°	78
85°	23
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	322	28%
0° - 40°	523	45%
0° - 60°	908	79%
0° - 90°	1,155	100%
90° - 180°	0	0%
0° - 180°	1,155	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	99	96	101	98	94	97	94	91
2	90	84	78	89	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	37	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

Cone of Light

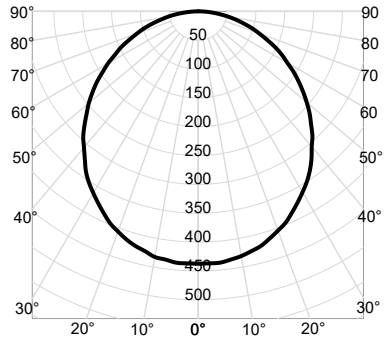
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	11.6	16.6
8.0	6.5	22.1
10.0	4.2	27.7
12.0	2.9	33.2
14.0	2.1	38.7

Beam Angle: 108.3°
Field Angle: 162.9°

Luminance (cd/sq.m)

Average Luminance	
0°	78,242
45°	70,037
55°	66,417
65°	62,405
75°	56,611
85°	50,434

WF6 LED 30K40K50K MVOLT 90CRI 4000K Input Watts: 13.4, Delivered Lumens: 1213, LPW: 90.5, S/MH: 1.23, Test No: ISF 36826P111



CP Summary

0°	437
5°	437
15°	421
25°	385
35°	337
45°	277
55°	213
65°	147
75°	82
85°	25
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	338	28%
0° - 40°	549	45%
0° - 60°	954	79%
0° - 90°	1,213	100%
90° - 180°	0	0%
0° - 180°	1,213	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	99	96	101	98	94	97	94	91
2	90	84	78	89	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	37	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

Cone of Light

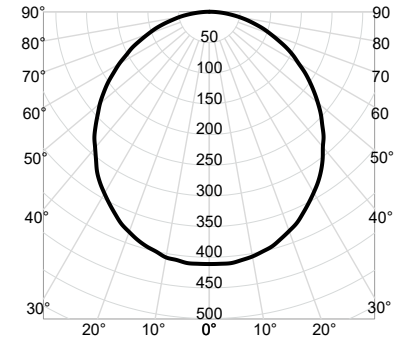
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	12.1	16.6
8.0	6.8	22.1
10.0	4.4	27.7
12.0	3.0	33.2
14.0	2.2	38.7

Beam Angle: 108.3°
Field Angle: 162.9°

Luminance (cd/sq.m)

Average Luminance	
0°	82,219
45°	73,597
55°	69,793
65°	65,578
75°	59,489
85°	52,998

WF6 LED 30K40K50K MVOLT 90CRI 5000K Input Watts: 13.9, Delivered Lumens: 1140, LPW: 82.0, S/MH: 1.23, Test No: ISF 36826P112



CP Summary

0°	411
5°	411
15°	396
25°	362
35°	317
45°	260
55°	200
65°	139
75°	77
85°	23
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	318	28%
0° - 40°	516	45%
0° - 60°	897	79%
0° - 90°	1,140	100%
90° - 180°	0	0%
0° - 180°	1,140	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	99	96	101	98	94	97	94	91
2	90	84	78	89	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	37	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

Cone of Light

Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	11.4	16.6
8.0	6.4	22.1
10.0	4.1	27.7
12.0	2.9	33.2
14.0	2.1	38.7

Beam Angle: 108.3°
Field Angle: 162.9°

Luminance (cd/sq.m)

Average Luminance	
0°	77,282
45°	69,178
55°	65,602
65°	61,640
75°	55,916
85°	49,815

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ENERGY DATA

WF6 LED 27K30K35K MVOLT			
Color Temperature	2700K	3000K	3500K
Lumens	1070	1150	1110
CRI	90	90	90
Rated wattage	14.1	13.4	13.9
Lu/Watts	75.9	85.8	79.9
Min. starting temp	-40°C (-40°F)	-40°C (-40°F)	-40°C (-40°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B
Sound rating	Class A Standards	Class A Standards	Class A Standards
Input voltage	120V	120V	120V
Min. power factor	0.98	0.98	0.98
Input frequency	50/60 Hz	50/60 Hz	50/60 Hz
Input power	120V	120V	120V
Input current	0.12A	0.12A	0.12A

WF6 LED 30K40K50K MVOLT			
Color Temperature	3000K	4000K	5000K
Lumens	1090	1190	1120
CRI	90	90	90
Rated wattage	13.8	13.4	13.9
Lu/Watts	79.0	88.8	80.6
Min. starting temp	-40°C (-40°F)	-40°C (-40°F)	-40°C (-40°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B
Sound rating	Class A Standards	Class A Standards	Class A Standards
Input voltage	120V	120V	120V
Min. power factor	0.98	0.98	0.98
Input frequency	50/60 Hz	50/60 Hz	50/60 Hz
Input power	120V	120V	120V
Input current	0.12A	0.12A	0.12A

DOWNLIGHTING: One Lithonia Way, Conyers, GA 30012 Phone: 1-800-705-SERV (7378) www.lithonia.com

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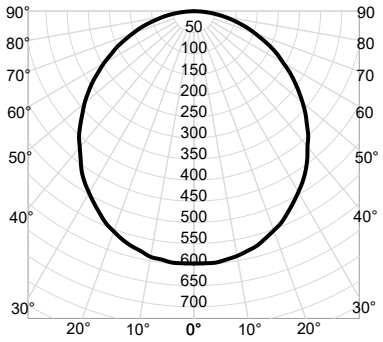
PHOTOMETRICS

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

WF8 LED 27K30K35K MVOLT 90CRI 2700K Input Watts: 20.7, Delivered Lumens: 1657, LPW: 80.0, S/MH: 1.23, Test No: ISF 36826P113



CP Summary

0°	597
5°	597
15°	575
25°	526
35°	461
45°	378
55°	291
65°	201
75°	112
85°	34
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	462	28%
0° - 40°	750	45%
0° - 60°	1,304	79%
0° - 90°	1,657	100%
90° - 180°	0	0%
0° - 180°	1,657	100%

Coefficients of Utilization

ρf	80%			70%			50%		
ρc	50%	30%	10%	50%	30%	10%	50%	30%	10%
ρw									
0	119	119	119	116	116	116	111	111	111
1	104	99	96	101	98	94	97	94	91
2	90	84	78	89	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	37	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

Cone of Light

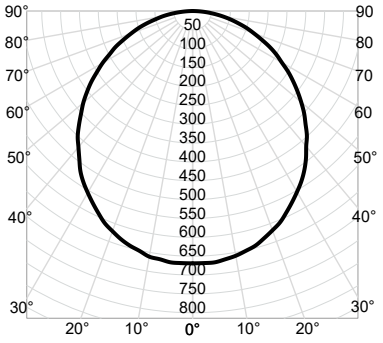
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	16.6	16.6
8.0	9.3	22.1
10.0	6.0	27.7
12.0	4.1	33.2
14.0	3.0	38.7

Beam Angle: 108.3°
Field Angle: 162.9°

Luminance (cd/sq.m)

	Average Luminance
0°	112,322
45°	100,544
55°	95,347
65°	89,588
75°	81,270
85°	72,402

WF8 LED 27K30K35K MVOLT 90CRI 3000K Input Watts: 19.8, Delivered Lumens: 1856, LPW: 93.7, S/MH: 1.23, Test No: ISF 36826P114



CP Summary

0°	669
5°	669
15°	644
25°	589
35°	516
45°	423
55°	326
65°	225
75°	125
85°	38
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	518	28%
0° - 40°	840	45%
0° - 60°	1,460	79%
0° - 90°	1,856	100%
90° - 180°	0	0%
0° - 180°	1,856	100%

Coefficients of Utilization

ρf	80%			70%			50%		
ρc	50%	30%	10%	50%	30%	10%	50%	30%	10%
ρw									
0	119	119	119	116	116	116	111	111	111
1	104	99	96	101	98	94	97	94	91
2	90	84	78	89	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	37	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

Cone of Light

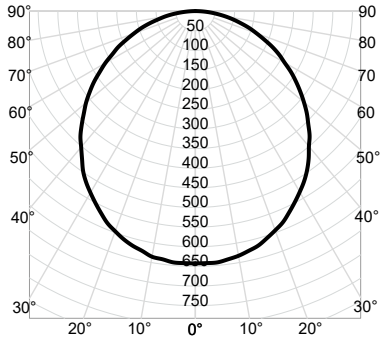
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	18.6	16.6
8.0	10.5	22.1
10.0	6.7	27.7
12.0	4.6	33.2
14.0	3.4	38.7

Beam Angle: 108.3°
Field Angle: 162.9°

Luminance (cd/sq.m)

	Average Luminance
0°	125,763
45°	112,575
55°	106,756
65°	100,308
75°	90,994
85°	81,066

WF8 LED 27K30K35K MVOLT 90CRI 3500K Input Watts: 20.8, Delivered Lumens: 1782, LPW: 85.7, S/MH: 1.23, Test No: ISF 36826P115



CP Summary

0°	642
5°	642
15°	618
25°	565
35°	496
45°	407
55°	313
65°	217
75°	120
85°	36
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	497	28%
0° - 40°	807	45%
0° - 60°	1,402	79%
0° - 90°	1,782	100%
90° - 180°	0	0%
0° - 180°	1,782	100%

Coefficients of Utilization

ρf	80%			70%			50%		
ρc	50%	30%	10%	50%	30%	10%	50%	30%	10%
ρw									
0	119	119	119	116	116	116	111	111	111
1	104	99	96	101	98	94	97	94	91
2	90	84	78	89	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	37	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

Cone of Light

Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	17.8	16.6
8.0	10.0	22.1
10.0	6.4	27.7
12.0	4.5	33.2
14.0	3.3	38.7

Beam Angle: 108.3°
Field Angle: 162.9°

Luminance (cd/sq.m)

	Average Luminance
0°	120,757
45°	108,094
55°	102,507
65°	96,315
75°	87,372
85°	77,839

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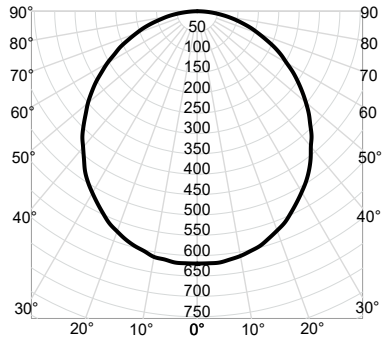
PHOTOMETRICS

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

WF8 LED 30K40K50K MVOLT 90CRI 3000K Input Watts: 20.4, Delivered Lumens: 1718, LPW: 84.2, S/MH: 1.23, Test No: ISF 36826P116



CP Summary

0°	
0°	619
5°	619
15°	596
25°	545
35°	478
45°	392
55°	302
65°	209
75°	116
85°	35
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	479	28%
0° - 40°	778	45%
0° - 60°	1,352	79%
0° - 90°	1,718	100%
90° - 180°	0	0%
0° - 180°	1,718	100%

Coefficients of Utilization

ρf	80%			70%			50%		
ρc	50%	30%	10%	50%	30%	10%	50%	30%	10%
ρw									
0	119	119	119	116	116	116	111	111	111
1	104	99	96	101	98	94	97	94	91
2	90	84	78	89	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	37	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

Cone of Light

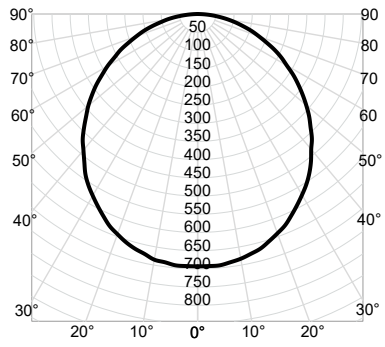
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	17.2	16.6
8.0	9.7	22.1
10.0	6.2	27.7
12.0	4.3	33.2
14.0	3.2	38.7

Beam Angle: 108.3°
Field Angle: 162.9°

Luminance (cd/sq.m)

	Average Luminance
0°	116,437
45°	104,227
55°	98,840
65°	92,870
75°	84,247
85°	75,054

WF8 LED 30K40K50K MVOLT 90CRI 4000K Input Watts: 19.6, Delivered Lumens: 1923, LPW: 98.1, S/MH: 1.23, Test No: ISF 36826P117



CP Summary

0°	
0°	693
5°	693
15°	667
25°	610
35°	535
45°	439
55°	337
65°	234
75°	130
85°	39
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	536	28%
0° - 40°	870	45%
0° - 60°	1,512	79%
0° - 90°	1,923	100%
90° - 180°	0	0%
0° - 180°	1,923	100%

Coefficients of Utilization

ρf	80%			70%			50%		
ρc	50%	30%	10%	50%	30%	10%	50%	30%	10%
ρw									
0	119	119	119	116	116	116	111	111	111
1	104	99	96	101	98	94	97	94	91
2	90	84	78	89	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	37	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

Cone of Light

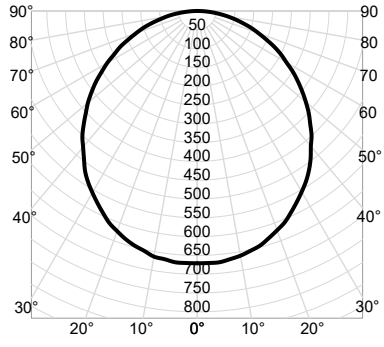
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	19.3	16.6
8.0	10.8	22.1
10.0	6.9	27.7
12.0	4.8	33.2
14.0	3.5	38.7

Beam Angle: 108.3°
Field Angle: 162.9°

Luminance (cd/sq.m)

	Average Luminance
0°	130,289
45°	116,626
55°	110,598
65°	103,918
75°	94,269
85°	83,983

WF8 LED 30K40K50K MVOLT 90CRI 5000K Input Watts: 20.6, Delivered Lumens: 1861, LPW: 90.3, S/MH: 1.23, Test No: ISF 36826P118



CP Summary

0°	
0°	671
5°	671
15°	646
25°	590
35°	518
45°	425
55°	327
65°	226
75°	126
85°	38
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	519	28%
0° - 40°	842	45%
0° - 60°	1,464	79%
0° - 90°	1,861	100%
90° - 180°	0	0%
0° - 180°	1,861	100%

Coefficients of Utilization

ρf	80%			70%			50%		
ρc	50%	30%	10%	50%	30%	10%	50%	30%	10%
ρw									
0	119	119	119	116	116	116	111	111	111
1	104	99	96	101	98	94	97	94	91
2	90	84	78	89	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	62	55	69	61	54	67	59	54
5	63	54	47	62	53	47	60	52	46
6	57	48	41	56	47	41	54	46	41
7	51	43	37	51	42	36	49	42	36
8	47	38	33	46	38	32	45	38	32
9	43	35	29	43	35	29	41	34	29
10	40	32	27	39	32	27	38	31	26

Cone of Light

Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	18.6	16.6
8.0	10.5	22.1
10.0	6.7	27.7
12.0	4.7	33.2
14.0	3.4	38.7

Beam Angle: 108.3°
Field Angle: 162.9°

Luminance (cd/sq.m)

	Average Luminance
0°	126,106
45°	112,882
55°	107,047
65°	100,581
75°	91,242
85°	81,287

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ENERGY DATA

WF8 LED 27K30K35K MVOLT			
Color Temperature	2700K	3000K	3500K
Lumens	1630	1800	1740
CRI	90	90	90
Rated wattage	20.7	19.8	20.8
Lu/Watts	78.7	90.9	83.7
Min. starting temp	-40°C (-40°F)	-40°C (-40°F)	-40°C (-40°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B
Sound rating	Class A Standards	Class A Standards	Class A Standards
Input voltage	120V	120V	120V
Min. power factor	0.98	0.98	0.98
Input frequency	50/60 Hz	50/60 Hz	50/60 Hz
Input power	120V	120V	120V
Input current	0.17A	0.17A	0.17A

WF8 LED 30K40K50K MVOLT			
Color Temperature	3000K	4000K	5000K
Lumens	1690	1850	1820
CRI	90	90	90
Rated wattage	20.4	19.6	20.6
Lu/Watts	82.8	94.4	88.3
Min. starting temp	-40°C (-40°F)	-40°C (-40°F)	-40°C (-40°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B
Sound rating	Class A Standards	Class A Standards	Class A Standards
Input voltage	120V	120V	120V
Min. power factor	0.98	0.98	0.98
Input frequency	50/60 Hz	50/60 Hz	50/60 Hz
Input power	120V	120V	120V
Input current	0.17A	0.17A	0.17A

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LIGHTING PERFORMANCE DATA

WF4

LIGHTING PERFORMANCE DATA DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE	
Light Appearance (CCT) **Aspect de la lumière (CCT)**	
2700K soft white | blanc doux	
730 lumens | **70** lumens per watt	
3000K warm white | blanc chaud	
800 lumens | **76** lumens per watt	
3500K neutral white | blanc neutre	
780 lumens | **74** lumens per watt	
Watts	**10.5**
Color Accuracy (CRI) Précision des couleurs (CRI)	**90**

LIGHTING PERFORMANCE DATA DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE	
Light Appearance (CCT) **Aspect de la lumière (CCT)**	
3000K warm white | blanc chaud	
750lumens | **71** lumens per watt	
4000K cool white | blanc froid	
810 lumens | **77** lumens per watt	
5000K daylight | lumière du jour	
790 lumens | **75** lumens per watt	
Watts	**10.5**
Color Accuracy (CRI) Précision des couleurs (CRI)	**90**

WF6

LIGHTING PERFORMANCE DATA DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE	
Light Appearance (CCT) **Aspect de la lumière (CCT)**	
2700K soft white | blanc doux	
1070 lumens | **76** lumens per watt	
3000K warm white | blanc chaud	
1150 lumens | **82** lumens per watt	
3500K neutral white | blanc neutre	
1110 lumens | **79** lumens per watt	
Watts	**14**
Color Accuracy (CRI) Précision des couleurs (CRI)	**90**

LIGHTING PERFORMANCE DATA DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE	
Light Appearance (CCT) **Aspect de la lumière (CCT)**	
3000K warm white | blanc chaud	
1090 lumens | **78** lumens per watt	
4000K cool white | blanc froid	
1190 lumens | **85** lumens per watt	
5000K daylight | blanc neutre	
1120 lumens | **80** lumens per watt	
Watts	**14**
Color Accuracy (CRI) Précision des couleurs (CRI)	**90**

WF8

LIGHTING PERFORMANCE DATA DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE	
Light Appearance (CCT) Aspect de la lumière (CCT)	
2700K soft white | blanc doux	
1630 lumens | 82 lumens per watt	
3000K warm white | blanc chaud	
1800 lumens | 90 lumens per watt	
3500K neutral white | blanc neutre	
1740 lumens | 87 lumens per watt	
Watts	20.5
Color Accuracy (CRI) Précision des couleurs (CRI)	90

LIGHTING PERFORMANCE DATA DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE	
Light Appearance (CCT) Aspect de la lumière (CCT)	
3000K warm white | blanc chaud	
1690 lumens | 85 lumens per watt	
4000K cool white | blanc froid	
1850 lumens | 93 lumens per watt	
5000K daylight | lumière du jour	
1820 lumens | 91 lumens per watt	
Watts	20.5
Color Accuracy (CRI) Précision des couleurs (CRI)	90

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