

3-Inch 8W CRI80

**Photometric Data Residential Wafer**

**Residential DL Wafer 3" 8W CRI80 2700K**

**WFR3R8827120WS**

Product Key Parameter	
Input Voltage(VAC)	120
System Level Power(W)	7.85
Delivered Lumens(Lm)	649.2
System efficacy(Lm/W)	82.70063694
CCT(K)	2700K/3000K/3500K/4000K
Color Rendering Index(CRI)	80
Beam Angle(°)	120
Spacing Criteria	1.2

Note: Use LM-79 testing data

Light distribution photo	Intensity Summary		Cone of Light Tabulation												
	Angle(°)	Mean CP	Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)										
<p>Luminous Intensity Distribution Curve</p> <p>Unit: cd Average Diffuse Angle(50%): 112.5° — C0-C180 — C90-C270</p>	0	226.0	2	56.5	6.0										
	5	224.9	4	14.1	11.9										
	15	216.7	6	6.3	17.9										
	25	200.9	8	3.5	23.8										
	35	178.3	10	2.3	29.8										
	45	149.9	12	1.6	35.7										
	55	116.7	14	1.2	41.7										
	65	80.1	16	0.9	47.6										
	75	43.1	<b>Zonal Lumen Summary</b>												
	85	10.3	Zone(°)	Lumen	% of Luminaire										
90	1.7	0-30	175	27.0%											
<p><b>CCT Data Multiplier</b></p> <table border="1"> <tbody> <tr> <td>2700K</td> <td>1.000</td> </tr> <tr> <td>3000K</td> <td>1.020</td> </tr> <tr> <td>3500K</td> <td>1.030</td> </tr> <tr> <td>4000K</td> <td>1.050</td> </tr> <tr> <td>5000K</td> <td>1.050</td> </tr> </tbody> </table>			2700K	1.000	3000K	1.020	3500K	1.030	4000K	1.050	5000K	1.050	0-60	508	78.3%
			2700K	1.000											
			3000K	1.020											
			3500K	1.030											
			4000K	1.050											
5000K	1.050														
0-90	649	99.9%													
0-120	649	100.0%													
120-180	/	/													
0-180	/	/													

# Edge-Lit Wafers



3-Inch 8W CRI90

**Photometric Data Residential Wafer** Residential DL Wafer 3" 8W CRI90 WFR3R8927120WS

Product Key Parameter	
Input Voltage(VAC)	120
System Level Power(W)	7.92
Delivered Lumens(Lm)	563.5
System efficacy(Lm/W)	71.1489899
CCT(K)	2700K/3000K/3500K/4000K
Color Rendering Index(CRI)	90
Beam Angle(°)	120
Spacing Criteria	1.2

Note: Use LM-79 testing data

Light distribution photo	Intensity Summary		Cone of Light Tabulation		
	Angle(°)	Mean CP	Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)
<p>Luminous Intensity Distribution Curve</p> <p>Unit: cd</p> <p>Average Diffuse Angle(50%): 112.0°</p> <p>— C0-C180 — C90-C270</p>	0	197.3	2	49.3	6.0
	5	196.2882	4	12.3	11.9
	15	189.0353	6	5.5	17.9
	25	175.1059	8	3.1	23.9
	35	155.1882	10	2.0	29.9
	45	130.1941	12	1.4	35.8
	55	101.2	14	1.0	41.8
	65	69.68235	16	0.8	47.8
	75	37.69412	<b>Zonal Lumen Summary</b>		
	85	8.258824	Zone(°)	Lumen	% of Luminaire
90	1.141176	0-30	153	27.1%	
CCT Data Multiplier		0-60	442	78.4%	
2700K	1.000	0-90	563	99.9%	
3000K	1.020	0-120	564	100.0%	
3500K	1.030	120-180	/	/	
4000K	1.050	0-180	/	/	
5000K	1.050				

# Edge-Lit Wafers



4-Inch 9W CRI80

## Photometric Data Residential Wafer

Residential DL Wafer 4" 9W CRI80 2700K

WFR4R9827120WS

Product Key Parameter	
Input Voltage(VAC)	120
System Level Power(W)	8.92
Delivered Lumens(Lm)	604.9
System efficacy(Lm/W)	67.81390135
CCT(K)	2700K/3000K/3500K/4000K
Color Rendering Index(CRI)	80
Beam Angle(°)	120
Spacing Criteria	1.2

Note: Use LM-79 testing data

Light distribution photo	Intensity Summary		Cone of Light Tabulation													
	Angle(°)	Mean CP	Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)											
<p>Luminous Intensity Distribution Curve</p> <p>Unit: cd</p> <p>Average Diffuse Angle(50%): 113.0°</p> <p>— C0-C180 — C90-C270</p>	0	208.9	2	52.2	6.0											
	5	208.0	4	13.1	12.1											
	15	200.7	6	5.8	18.1											
	25	186.5	8	3.3	24.2											
	35	165.9	10	2.1	30.2											
	45	139.7	12	1.5	36.2											
	55	108.9	14	1.1	42.3											
	65	75.1	16	0.8	48.3											
	75	40.9	<b>Zonal Lumen Summary</b>													
	85	10.3	Zone(°)	Lumen	% of Luminaire											
90	1.6	0-30	163	26.9%												
<table border="1"> <thead> <tr> <th colspan="2">CCT Data Multiplier</th> </tr> </thead> <tbody> <tr> <td>2700K</td> <td>1.000</td> </tr> <tr> <td>3000K</td> <td>1.020</td> </tr> <tr> <td>3500K</td> <td>1.030</td> </tr> <tr> <td>4000K</td> <td>1.050</td> </tr> <tr> <td>5000K</td> <td>1.050</td> </tr> </tbody> </table>		CCT Data Multiplier		2700K	1.000	3000K	1.020	3500K	1.030	4000K	1.050	5000K	1.050	0-60	472	78.1%
		CCT Data Multiplier														
		2700K	1.000													
		3000K	1.020													
		3500K	1.030													
4000K	1.050															
5000K	1.050															
0-90	604	99.9%														
0-120	605	100.0%														
120-180	/	/														
0-180	/	/														

# Edge-Lit Wafers



4-Inch 9W CRI90

Photometric Data Residential Wafer Residential DL Wafer 4" 9W CRI90 WFR4R9927120WS

Product Key Parameter	
Input Voltage(VAC)	120
System Level Power(W)	8.92
Delivered Lumens(Lm)	654.6
System efficacy(Lm/W)	73.38565022
CCT(K)	2700K/3000K/3500K/4000K
Color Rendering Index(CRI)	90
Beam Angle(°)	120
Spacing Criteria	1.2

Note: Use LM-79 testing data

Light distribution photo	Intensity Summary		Cone of Light Tabulation		
	Angle(°)	Mean CP	Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)
<p>Luminous Intensity Distribution Curve</p> <p>Unit: cd</p> <p>Average Diffuse Angle(50%): 113.3°</p> <p>— C0-C180 — C90-C270</p>	0	225.4	2	56.3	6.0
	5	224.4	4	14.1	12.1
	15	216.5	6	6.3	18.1
	25	201.2	8	3.5	24.2
	35	179.1	10	2.3	30.2
	45	151.0	12	1.6	36.3
	55	117.9	14	1.2	42.3
	65	81.6	16	0.9	48.3
	75	44.7	<b>Zonal Lumen Summary</b>		
	85	11.0	Zone(°)	Lumen	% of Luminaire
90	1.6	0-30	175	26.8%	
CCT Data Multiplier		0-60	510	78.0%	
2700K	1.000	0-90	654	99.9%	
3000K	1.020	0-120	655	100.0%	
3500K	1.030	120-180	/	/	
4000K	1.050	0-180	/	/	
5000K	1.050				

## 6-Inch 12W CRI80

### Photometric Data Residential Wafer

Residential DL Wafer 6" 12W CRI80 2700K WFR6R12827120WS

Product Key Parameter	
Input Voltage(VAC)	120
System Level Power(W)	11.85
Delivered Lumens(Lm)	895.3
System efficacy(Lm/W)	75.55274262
CCT(K)	2700K/3000K/3500K/4000K
Color Rendering Index(CRI)	80
Beam Angle(°)	120
Spacing Criteria	1.2

Note: Use LM-79 testing data

Light distribution photo	Intensity Summary		Cone of Light Tabulation		
	Angle(°)	Mean CP	Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)
<p>Luminous Intensity Distribution Curve</p> <p>Unit: cd</p> <p>Average Diffuse Angle(50%): 113.5°</p> <p>— C0-C180 — C90-C270</p>	0	307.5	2	76.9	6.1
	5	306.1	4	19.2	12.2
	15	295.5	6	8.5	18.2
	25	274.8	8	4.8	24.3
	35	244.8	10	3.1	30.4
	45	206.5	12	2.1	36.5
	55	161.4	14	1.6	42.6
	65	111.6	16	1.2	48.6
	75	61.1	Zonal Lumen Summary		
	85	16.1	Zone(°)	Lumen	% of Luminaire
90	2.2	0-30	239.4	26.7%	
CCT Data Multiplier		0-60	697.4	77.9%	
2700K	1.000	0-90	894.3	99.9%	
3000K	1.020	0-120	895.0	100.0%	
3500K	1.030	120-180	0.3	0.0%	
4000K	1.050	0-180	895.3	100.0%	
5000K	1.050				

6-Inch 12W CRI90

**Photometric Data Residential Wafer** Residential DL Wafer 6" 12W CRI90 WFR6R12927120WS

Product Key Parameter	
Input Voltage(VAC)	120
System Level Power(W)	12.04
Delivered Lumens(Lm)	908.6
System efficacy(Lm/W)	75.46511628
CCT(K)	2700K/3000K/3500K/4000K
Colour Rendering Index(CRI)	90
Beam Angle(°)	120
Spacing Criteria	1.2

Note: Use LM-79 testing data

Light distribution photo	Intensity Summary		Cone of Light Tabulation		
	Angle(°)	Mean CP	Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)
<p>Luminous Intensity Distribution Curve</p> <p>Average Diffuse Angle(50%): 113.4° Unit: cd — C0-C180 — C90-C270</p>	0	312.4	2	78.1	6.1
	5	311.0	4	19.5	12.3
	15	300.2	6	8.7	18.4
	25	279.1	8	4.9	24.5
	35	248.8	10	3.1	30.6
	45	209.6	12	2.2	36.8
	55	163.7	14	1.6	42.9
	65	113.3	16	1.2	49.0
	75	62.1	<b>Zonal Lumen Summary</b>		
	85	16.5	Zone(°)	Lumen	% of Luminaire
90	2.5	0-30	243	26.8%	
CCT Data Multiplier		0-60	708	77.9%	
2700K	1.000	0-90	908	99.9%	
3000K	1.020	0-120	909	100.0%	
3500K	1.030	120-180	/	/	
4000K	1.050	0-180	/	/	
5000K	1.050				

## 6-Inch 12W CRI90 (Baffle)

### Photometric Data Residential Wafer Baffle Residential DL Wafer Baffle 6" 12W CRI90 2700K

Product Key Parameter	
Input Voltage(VAC)	120-277
System Level Power(W)	12.01
Delivered Lumens(Lm)	965.9
System efficacy(Lm/W)	80.42464613
CCT(K)	2700K/3000K/3500K/4000K
Color Rendering Index(CRI)	90
Beam Angle(°)	120
Spacing Criteria	1.2

Note: Use LM-79 testing data

Light distribution photo	Intensity Summary		Cone of Light Tabulation		
	Angle(°)	Mean CP	Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)
<p>Luminous Intensity Distribution Curve</p> <p>Unit: cd</p> <p>Average Diffuse Angle(50%): 113.6°</p> <p>— C0-C180 — C90-C270</p>	0	334.2	2	83.6	6.2
	5	332.7	4	20.9	12.3
	15	321.3	6	9.3	18.5
	25	298.9	8	5.2	24.7
	35	266.4	10	3.3	30.8
	45	224.9	12	2.3	37.0
	55	176.0	14	1.7	43.1
	65	121.0	16	1.3	49.3
	75	63.8	<b>Zonal Lumen Summary</b>		
	85	12.5	Zone(°)	Lumen	% of Luminaire
90	0.8	0-30	260	26.9%	
CCT Data Multiplier		0-60	759	78.6%	
2700K	1.000	0-90	966	100.0%	
3000K	1.020	0-120	966	100.0%	
3500K	1.030	120-180	/	/	
4000K	1.050	0-180	/	/	
5000K	1.050				

## 6-Inch 12W CRI90 (Universal Voltage)

### Photometric Data Residential Wafer UNV

### Residential DL Wafer 6" 12W CRI90 WFR6R12930UNVWS

Product Key Parameter	
Input Voltage(VAC)	120-277
System Level Power(W)	11.83
Delivered Lumens(Lm)	984.6
System efficacy(Lm/W)	83.22907861
CCT(K)	2700K/3000K/3500K/4000K
Color Rendering Index(CRI)	90
Beam Angle(°)	120
Spacing Criteria	1.2

Note: Use LM-79 testing data

Light distribution photo	Intensity Summary		Cone of Light Tabulation		
	Angle(°)	Mean CP	Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)
<p>Luminous Intensity Distribution Curve</p> <p>Unit: cd</p> <p>Average Diffuse Angle(50%): 113.1°</p> <p>— C0-C180 — C90-C270</p>	0	339.3	2	84.8	6.1
	5	337.8	4	21.2	12.2
	15	325.9294	6	9.4	18.3
	25	302.8941	8	5.3	24.3
	35	269.5235	10	3.4	30.4
	45	227.0882	12	2.4	36.5
	55	177.3647	14	1.7	42.6
	65	122.6235	16	1.3	48.7
	75	66.98235	<b>Zonal Lumen Summary</b>		
	85	17.85294	Zone(°)	Lumen	% of Luminaire
90	3.023529	0-30	264	26.8%	
CCT Data Multiplier		0-60	767	77.9%	
2700K	1.000	0-90	984	99.9%	
3000K	1.020	0-120	985	100.0%	
3500K	1.030	120-180	/	/	
4000K	1.050	0-180	/	/	
5000K	1.050				



# Edge-Lit Wafers



6-Inch 15W CRI80

**Photometric Data Residential Wafer**

**Residential DL Wafer 6" 15W CRI80 2700K WFR6R15827120WS**

Product Key Parameter	
Input Voltage(VAC)	120
System Level Power(W)	14.77
Delivered Lumens(Lm)	1265.1
System efficacy(Lm/W)	85.65335139
CCT(K)	2700K/3000K/3500K/4000K
Color Rendering Index(CRI)	80
Beam Angle(°)	120
Spacing Criteria	1.2

Note: Use LM-79 testing data

Light distribution photo	Intensity Summary		Cone of Light Tabulation		
	Angle(°)	Mean CP	Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)
	0	437.2	2	109.3	6.0
	5	435.3	4	27.3	12.1
	15	419.9	6	12.1	18.1
	25	390.1	8	6.8	24.1
	35	346.9	10	4.4	30.1
	45	292.1	12	3.0	36.1
	55	227.8	14	2.2	42.2
	65	164.0	16	1.7	48.2
	75	85.6	<b>Zonal Lumen Summary</b>		
	85	22.3	Zone(°)	Lumen	% of Luminaire
90	3.0	0-30	340	26.9%	
CCT Data Multiplier		0-60	988	78.1%	
2700K	1.000	0-90	1264	99.9%	
3000K	1.020	0-120	1265	100.0%	
3500K	1.030	120-180	/	/	
4000K	1.050	0-180	/	/	
5000K	1.050				

# Edge-Lit Wafers



6-Inch 14W CRI90

**Photometric Data Residential Wafer** Residential DL Wafer 6" 14W CRI90 WFR6R14927120WS

Product Key Parameter	
Input Voltage(VAC)	120
System Level Power(W)	14
Delivered Lumens(Lm)	950
System efficacy(Lm/W)	82
CCT(K)	2700K/3000K/3500K/4000K
Color Rendering Index(CRI)	90
Beam Angle(°)	120
Spacing Criteria	1.2

Note: Use LM-79 testing data

Light distribution photo	Intensity Summary		Cone of Light Tabulation		
	Angle(°)	Mean CP	Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)
<p>Luminous Intensity Distribution Curve</p> <p>Unit: cd</p> <p>Average Diffuse Angle(50%): 113.2°</p> <p>— C0-C180 — C90-C270</p>	0	232.3	2	58.1	6.1
	5	231.2	4	14.5	12.1
	15	223.1	6	6.5	18.2
	25	207.3	8	3.6	24.2
	35	184.5	10	2.3	30.3
	45	155.5	12	1.6	36.3
	55	121.4	14	1.2	42.4
	65	83.9	16	0.9	48.4
	75	45.8	<b>Zonal Lumen Summary</b>		
	85	11.6	Zone(°)	Lumen	% of Luminaire
90	1.9	0-30	181	26.8%	
CCT Data Multiplier		0-60	526	78.0%	
2700K	1.000	0-90	674	99.9%	
3000K	1.020	0-120	674	100.0%	
3500K	1.030	120-180	/	/	
4000K	1.050	0-180	/	/	
5000K	1.050				

# Edge-Lit Wafers



8-Inch 24W CRI90

**Photometric Data Residential Wafer**      **Residential DL Wafer 8" 24W CRI90 2700K**

Product Key Parameter	
Input Voltage(VAC)	120-277
System Level Power(W)	23.76
Delivered Lumens(Lm)	1960
System efficacy(Lm/W)	82.49158249
CCT(K)	2700K/3000K/3500K/4000K
Color Rendering Index(CRI)	90
Beam Angle(°)	120
Spacing Criteria	1.2

Note: Use LM-79 testing data

Light distribution photo	Intensity Summary		Cone of Light Tabulation											
	Angle(°)	Mean CP	Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)									
<p>Luminous Intensity Distribution Curve</p> <p>Unit: cd Average Diffuse Angle(50%): 112.9° — C0-C180 — C90-C270</p>	0	677.9	2	169.5	6.0									
	5	674.6	4	42.4	12.1									
	15	650.6	6	18.8	18.1									
	25	604.2	8	10.6	24.1									
	35	537.1	10	6.8	30.2									
	45	452.2	12	4.7	36.2									
	55	353.0	14	3.5	42.2									
	65	244.0	16	2.6	48.2									
	75	133.5	<b>Zonal Lumen Summary</b>											
	85	34.9	Zone(°)	Lumen	% of Luminaire									
90	4.0	0-30	527	26.9%										
<p>CCT Data Multiplier</p> <table border="1"> <tbody> <tr> <td>2700K</td> <td>1.000</td> </tr> <tr> <td>3000K</td> <td>1.020</td> </tr> <tr> <td>3500K</td> <td>1.030</td> </tr> <tr> <td>4000K</td> <td>1.050</td> </tr> <tr> <td>5000K</td> <td>1.050</td> </tr> </tbody> </table>		2700K	1.000	3000K	1.020	3500K	1.030	4000K	1.050	5000K	1.050	0-60	1529	78.0%
		2700K	1.000											
		3000K	1.020											
		3500K	1.030											
		4000K	1.050											
5000K	1.050													
0-90	1959	99.9%												
0-120	1960	100.0%												
120-180	/	/												
0-180	/	/												

# Edge-Lit Wafers

8-Inch 24W CRI90 (Baffle)

**Photometric Data Residential Wafer Baffle** Residential DL Wafer Baffle 8" 24W CRI90 2700K

Product Key Parameter	
Input Voltage(VAC)	120-277
System Level Power(W)	23.61
Delivered Lumens(Lm)	2042.3
System efficacy(Lm/W)	86.50148242
CCT(K)	2700K/3000K/3500K/4000K
Color Rendering Index(CRI)	90
Beam Angle(°)	120
Spacing Criteria	1.2

Note: Use LM-79 testing data

Light distribution photo	Intensity Summary		Cone of Light Tabulation		
	Angle(°)	Mean CP	Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)
<p>Luminous Intensity Distribution Curve</p> <p>Unit: cd</p> <p>Average Diffuse Angle(50%): 113.8°</p> <p>— CO-C180 — C90-C270</p>	0	704.6	2	176.1	6.1
	5	701.4	4	44.0	12.2
	15	677.1	6	19.6	18.3
	25	630.0	8	11.0	24.4
	35	561.4	10	7.0	30.5
	45	474.1	12	4.9	36.6
	55	371.3	14	3.6	42.6
	65	256.0	16	2.8	48.7
	75	137.0	<b>Zonal Lumen Summary</b>		
	85	29.8	Zone(°)	Lumen	% of Luminaire
90	1.8	0-30	549	26.9%	
<b>CCT Data Multiplier</b>		0-60	1600	78.3%	
		0-90	2042	100.0%	
		0-120	2042	100.0%	
		120-180	/	/	
		0-180	/	/	
2700K	1.000				
3000K	1.020				
3500K	1.030				
4000K	1.050				
5000K	1.050				