

FEATURES & SPECIFICATIONS

INTENDED USE — The 4" Wafer™ LED Square 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.

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; 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" 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 for this product. 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 — Connect directly to 120V power supply via provided UL recognized driver. High efficient driver with power factor > 0.9. Ambient operating temperature: -40°F (-40°C) to +104°F (+40°C). Dimming down to 10% with most standard incandescent dimers (see list of approved dimmers). Replaces 65W incandescent.

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.

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.

Wafer LED Recessed Downlight

WF4 Square 4" LED Switchable White Color Temperature

IC/Non-IC
New Construction/Remodel



Matte black



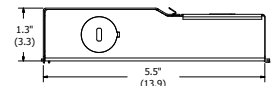
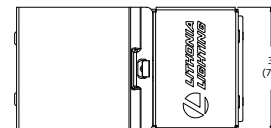
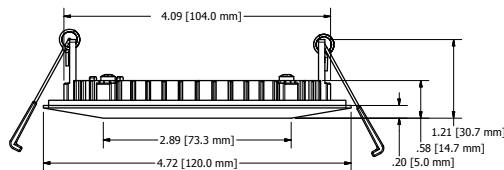
Brushed nickel



Oil-rubbed bronze

Specifications

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



All dimensions are inches (centimeters) unless otherwise indicated.

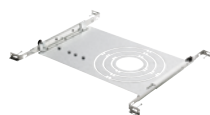
ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: WF4 SQ B LED 30K40K50K 90CRI MW

WF4			LED										
Series			Trim Style		Lamp	CCT/W/Lumens ¹	CRI	Finish					
WF4	4" wafer-thin LED downlight	SQ	B	Baffle	LED	LED	27K30K35K	2700K/10.5W/730L	90CRI	90CRI	MW	Matte White	
			S	Smooth				3000K/10.5W/800L					
								3500K/10.5W/780L					
								30K40K50K					3000K/10.5W/750L
								4000K/10.5W/810L					
						5000K/10.5W/790L					MB	Matte Black	
											BN	Brush Nickel	
											ORB	Oil-Rubbed Bronze	

Accessories: Order as separate catalog number.	
WF8643 Pan U	Universal new construction pan
WFJB U	Remodel joist bar



WF8643 Universal
New Construction Pan



Remodel Joist Bar

Notes

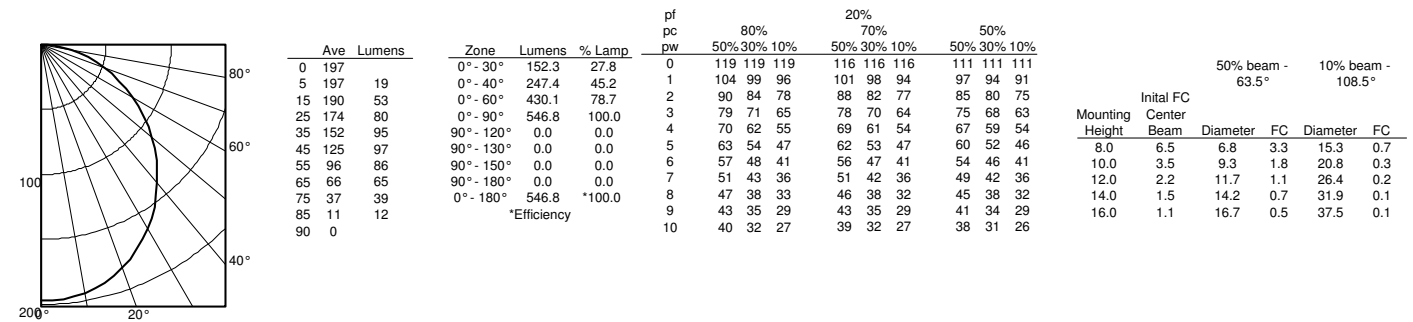
¹ Total system delivered lumens.

WF4 SQ Switchable White 4" LED Wafer Module

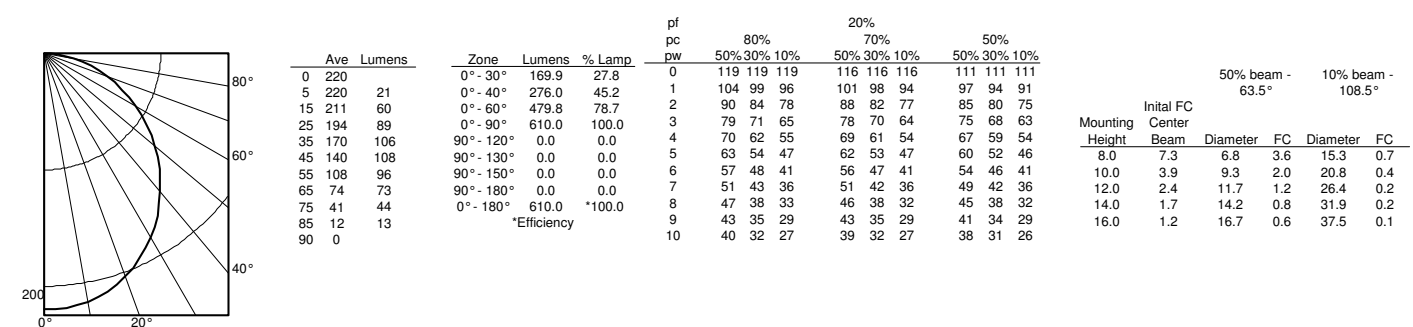
PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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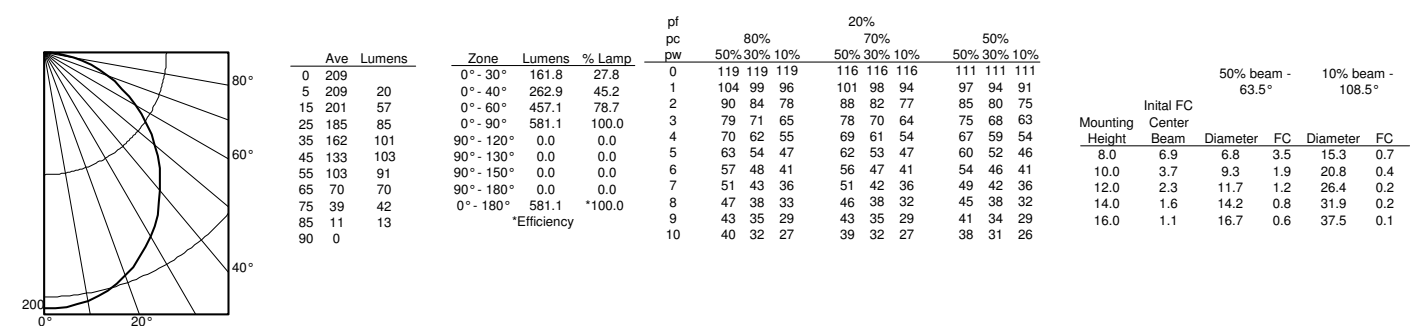
WF4 SQ S LED 27K30K35K, 2700K LEDs, input watts: 9, delivered lumens: 547, LM/W=60, test no. ISF 36826P19



WF4 SQ S LED 27K30K35K, 3000K LEDs, input watts: 9, delivered lumens: 610, LM/W=68, test no. ISF 36826P20

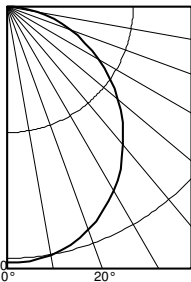


WF4 SQ S LED 27K30K35K, 3500K LEDs, input watts: 9, delivered lumens: 581, LM/W=65, test no. ISF 36826P21



WF4 SQ Switchable White 4" LED Wafer Module

PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire																			
WF4 SQ S LED 30K40K50K, 3000K LEDs, input watts: 9, delivered lumens: 564, LM/W=63, test no. ISF 36826P22																							
	Ave	Lumens	Zone	Lumens	% Lamp	pf	80%			20%			50%			50% beam - 63.5°	10% beam - 108.5°						
						pc	50%	30%	10%	50%	30%	10%	50%	30%	10%								
						pw																	
	0	204	0° - 30°	157.2	27.8	0	119	119	119	116	116	116	111	111	111								
	5	203	0° - 40°	255.4	45.2	1	104	99	96	101	98	94	97	94	91								
	15	196	0° - 60°	444.1	78.7	2	90	84	78	88	82	77	85	80	75								
	25	180	0° - 90°	564.6	100.0	3	79	71	65	78	70	64	75	68	63								
	35	157	90° - 120°	0.0	0.0	4	70	62	55	69	61	54	67	59	54								
	45	129	90° - 130°	0.0	0.0	5	63	54	47	62	53	47	60	52	46								
	55	100	90° - 150°	0.0	0.0	6	57	48	41	56	47	41	54	46	41								
	65	68	90° - 180°	0.0	0.0	7	51	43	36	51	42	36	49	42	36								
	75	38	0° - 180°	564.6	*100.0	8	47	38	33	46	38	32	45	38	32								
85	11		*Efficiency			9	43	35	29	43	35	29	41	34	29								
90	0					10	40	32	27	39	32	27	38	31	26								
												Mounting Height		Initial FC Center Beam		Diameter		FC		Diameter		FC	
												8.0		6.7		6.8		3.4		15.3		0.7	
												10.0		3.6		9.3		1.8		20.8		0.4	
												12.0		2.3		11.7		1.1		26.4		0.2	
												14.0		1.5		14.2		0.8		31.9		0.2	
												16.0		1.1		16.7		0.6		37.5		0.1	

WF4 SQ S LED 30K40K50K, 4000K LEDs, input watts: 9, delivered lumens: 632, LM/W=70, test no. ISF 36826P23

	<table><tr><th>Ave</th><th>Lumens</th></tr><tr><td>0</td><td>228</td></tr><tr><td>5</td><td>228</td></tr><tr><td>15</td><td>219</td></tr><tr><td>25</td><td>201</td></tr><tr><td>35</td><td>176</td></tr><tr><td>45</td><td>145</td></tr><tr><td>55</td><td>112</td></tr><tr><td>65</td><td>77</td></tr><tr><td>75</td><td>43</td></tr><tr><td>85</td><td>12</td></tr><tr><td>90</td><td>0</td></tr></table>		Ave	Lumens	0	228	5	228	15	219	25	201	35	176	45	145	55	112	65	77	75	43	85	12	90	0	<table><tr><th>Zone</th><th>Lumens</th><th>% Lamp</th></tr><tr><td>0° - 30°</td><td>176.0</td><td>27.8</td></tr><tr><td>0° - 40°</td><td>285.9</td><td>45.2</td></tr><tr><td>0° - 60°</td><td>497.1</td><td>78.7</td></tr><tr><td>0° - 90°</td><td>632.0</td><td>100.0</td></tr><tr><td>90° - 120°</td><td>0.0</td><td>0.0</td></tr><tr><td>90° - 130°</td><td>0.0</td><td>0.0</td></tr><tr><td>90° - 150°</td><td>0.0</td><td>0.0</td></tr><tr><td>90° - 180°</td><td>0.0</td><td>0.0</td></tr><tr><td>0° - 180°</td><td>632.0</td><td>*100.0</td></tr></table> *Efficiency		Zone	Lumens	% Lamp	0° - 30°	176.0	27.8	0° - 40°	285.9	45.2	0° - 60°	497.1	78.7	0° - 90°	632.0	100.0	90° - 120°	0.0	0.0	90° - 130°	0.0	0.0	90° - 150°	0.0	0.0	90° - 180°	0.0	0.0	0° - 180°	632.0	*100.0	<table><tr><th>pf</th><th colspan="3">80%</th><th colspan="3">20%</th><th colspan="3">50%</th></tr><tr><th>pc</th><th>50%</th><th>30%</th><th>10%</th><th>50%</th><th>30%</th><th>10%</th><th>50%</th><th>30%</th><th>10%</th></tr><tr><th>pw</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></tr><tr><td>0</td><td>119</td><td>119</td><td>119</td><td>116</td><td>116</td><td>116</td><td>111</td><td>111</td><td>111</td></tr><tr><td>1</td><td>104</td><td>99</td><td>96</td><td>101</td><td>98</td><td>94</td><td>97</td><td>94</td><td>91</td></tr><tr><td>2</td><td>90</td><td>84</td><td>78</td><td>88</td><td>82</td><td>77</td><td>85</td><td>80</td><td>75</td></tr><tr><td>3</td><td>79</td><td>71</td><td>65</td><td>78</td><td>70</td><td>64</td><td>75</td><td>68</td><td>63</td></tr><tr><td>4</td><td>70</td><td>62</td><td>55</td><td>69</td><td>61</td><td>54</td><td>67</td><td>59</td><td>54</td></tr><tr><td>5</td><td>63</td><td>54</td><td>47</td><td>62</td><td>53</td><td>47</td><td>60</td><td>52</td><td>46</td></tr><tr><td>6</td><td>57</td><td>48</td><td>41</td><td>56</td><td>47</td><td>41</td><td>54</td><td>46</td><td>41</td></tr><tr><td>7</td><td>51</td><td>43</td><td>36</td><td>51</td><td>42</td><td>36</td><td>49</td><td>42</td><td>36</td></tr><tr><td>8</td><td>47</td><td>38</td><td>33</td><td>46</td><td>38</td><td>32</td><td>45</td><td>38</td><td>32</td></tr><tr><td>9</td><td>43</td><td>35</td><td>29</td><td>43</td><td>35</td><td>29</td><td>41</td><td>34</td><td>29</td></tr><tr><td>10</td><td>40</td><td>32</td><td>27</td><td>39</td><td>32</td><td>27</td><td>38</td><td>31</td><td>26</td></tr></table>	pf	80%			20%			50%			pc	50%	30%	10%	50%	30%	10%	50%	30%	10%	pw										0	119	119	119	116	116	116	111	111	111	1	104	99	96	101	98	94	97	94	91	2	90	84	78	88	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	36	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	<table><tr><th colspan="2">50% beam - 63.5°</th><th colspan="2">10% beam - 108.5°</th></tr><tr><th>Mounting Height</th><th>Initial FC Center Beam</th><th>Diameter</th><th>FC</th><th>Diameter</th><th>FC</th></tr><tr><td>8.0</td><td>7.5</td><td>6.8</td><td>3.8</td><td>15.3</td><td>0.8</td></tr><tr><td>10.0</td><td>4.1</td><td>9.3</td><td>2.0</td><td>20.8</td><td>0.4</td></tr><tr><td>12.0</td><td>2.5</td><td>11.7</td><td>1.3</td><td>26.4</td><td>0.3</td></tr><tr><td>14.0</td><td>1.7</td><td>14.2</td><td>0.9</td><td>31.9</td><td>0.2</td></tr><tr><td>16.0</td><td>1.3</td><td>16.7</td><td>0.6</td><td>37.5</td><td>0.1</td></tr></table>				50% beam - 63.5°		10% beam - 108.5°		Mounting Height	Initial FC Center Beam	Diameter	FC	Diameter	FC	8.0	7.5	6.8	3.8	15.3	0.8	10.0	4.1	9.3	2.0	20.8	0.4	12.0	2.5	11.7	1.3	26.4	0.3	14.0	1.7	14.2	0.9	31.9	0.2	16.0	1.3	16.7	0.6	37.5	0.1
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WF4 SQ S LED 30K40K50K, 5000K LEDs, input watts: 9, delivered lumens: 606, LM/W=67, test no. ISF 36826P24

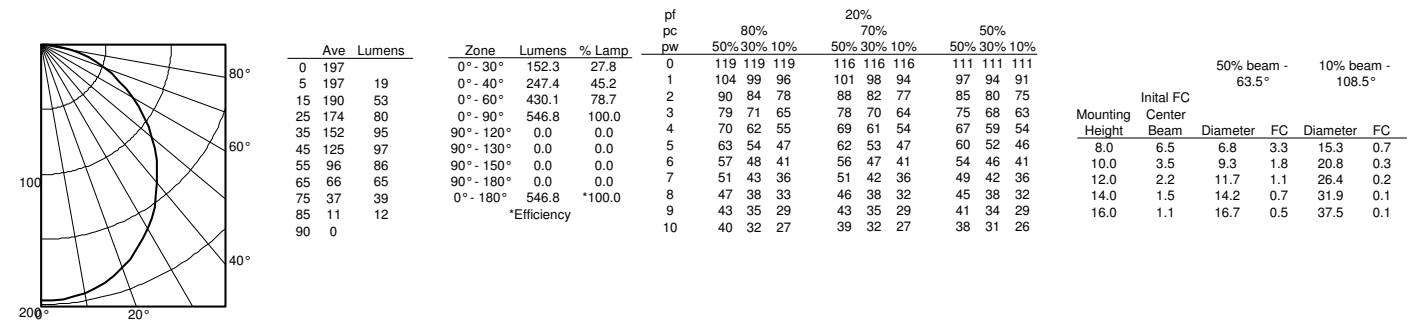
	<table><tr><th>Ave</th><th>Lumens</th></tr><tr><td>0</td><td>219</td></tr><tr><td>5</td><td>218</td></tr><tr><td>15</td><td>210</td></tr><tr><td>25</td><td>193</td></tr><tr><td>35</td><td>169</td></tr><tr><td>45</td><td>139</td></tr><tr><td>55</td><td>107</td></tr><tr><td>65</td><td>73</td></tr><tr><td>75</td><td>41</td></tr><tr><td>85</td><td>12</td></tr><tr><td>90</td><td>0</td></tr></table>		Ave	Lumens	0	219	5	218	15	210	25	193	35	169	45	139	55	107	65	73	75	41	85	12	90	0	<table><tr><th>Zone</th><th>Lumens</th><th>% Lamp</th></tr><tr><td>0° - 30°</td><td>168.9</td><td>27.8</td></tr><tr><td>0° - 40°</td><td>274.3</td><td>45.2</td></tr><tr><td>0° - 60°</td><td>476.9</td><td>78.7</td></tr><tr><td>0° - 90°</td><td>606.3</td><td>100.0</td></tr><tr><td>90° - 120°</td><td>0.0</td><td>0.0</td></tr><tr><td>90° - 130°</td><td>0.0</td><td>0.0</td></tr><tr><td>90° - 150°</td><td>0.0</td><td>0.0</td></tr><tr><td>90° - 180°</td><td>0.0</td><td>0.0</td></tr><tr><td>0° - 180°</td><td>606.3</td><td>*100.0</td></tr></table> *Efficiency		Zone	Lumens	% Lamp	0° - 30°	168.9	27.8	0° - 40°	274.3	45.2	0° - 60°	476.9	78.7	0° - 90°	606.3	100.0	90° - 120°	0.0	0.0	90° - 130°	0.0	0.0	90° - 150°	0.0	0.0	90° - 180°	0.0	0.0	0° - 180°	606.3	*100.0	<table><tr><th>pf</th><th colspan="3">80%</th><th colspan="3">20%</th><th colspan="3">50%</th></tr><tr><th>pc</th><th>50%</th><th>30%</th><th>10%</th><th>50%</th><th>30%</th><th>10%</th><th>50%</th><th>30%</th><th>10%</th></tr><tr><th>pw</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></tr><tr><td>0</td><td>119</td><td>119</td><td>119</td><td>116</td><td>116</td><td>116</td><td>111</td><td>111</td><td>111</td></tr><tr><td>1</td><td>104</td><td>99</td><td>96</td><td>101</td><td>98</td><td>94</td><td>97</td><td>94</td><td>91</td></tr><tr><td>2</td><td>90</td><td>84</td><td>78</td><td>88</td><td>82</td><td>77</td><td>85</td><td>80</td><td>75</td></tr><tr><td>3</td><td>79</td><td>71</td><td>65</td><td>78</td><td>70</td><td>64</td><td>75</td><td>68</td><td>63</td></tr><tr><td>4</td><td>70</td><td>62</td><td>55</td><td>69</td><td>61</td><td>54</td><td>67</td><td>59</td><td>54</td></tr><tr><td>5</td><td>63</td><td>54</td><td>47</td><td>62</td><td>53</td><td>47</td><td>60</td><td>52</td><td>46</td></tr><tr><td>6</td><td>57</td><td>48</td><td>41</td><td>56</td><td>47</td><td>41</td><td>54</td><td>46</td><td>41</td></tr><tr><td>7</td><td>51</td><td>43</td><td>36</td><td>51</td><td>42</td><td>36</td><td>49</td><td>42</td><td>36</td></tr><tr><td>8</td><td>47</td><td>38</td><td>33</td><td>46</td><td>38</td><td>32</td><td>45</td><td>38</td><td>32</td></tr><tr><td>9</td><td>43</td><td>35</td><td>29</td><td>43</td><td>35</td><td>29</td><td>41</td><td>34</td><td>29</td></tr><tr><td>10</td><td>40</td><td>32</td><td>27</td><td>39</td><td>32</td><td>27</td><td>38</td><td>31</td><td>26</td></tr></table>										pf	80%			20%			50%			pc	50%	30%	10%	50%	30%	10%	50%	30%	10%	pw										0	119	119	119	116	116	116	111	111	111	1	104	99	96	101	98	94	97	94	91	2	90	84	78	88	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	36	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	<table><tr><th colspan="2">50% beam - 63.5°</th><th colspan="2">10% beam - 108.5°</th></tr><tr><th>Mounting Height</th><th>Initial FC Center Beam</th><th>Diameter</th><th>FC</th><th>Diameter</th><th>FC</th></tr><tr><td>8.0</td><td>7.2</td><td>6.8</td><td>3.6</td><td>15.3</td><td>0.7</td></tr><tr><td>10.0</td><td>3.9</td><td>9.3</td><td>1.9</td><td>20.8</td><td>0.4</td></tr><tr><td>12.0</td><td>2.4</td><td>11.7</td><td>1.2</td><td>26.4</td><td>0.2</td></tr><tr><td>14.0</td><td>1.7</td><td>14.2</td><td>0.8</td><td>31.9</td><td>0.2</td></tr><tr><td>16.0</td><td>1.2</td><td>16.7</td><td>0.6</td><td>37.5</td><td>0.1</td></tr></table>						50% beam - 63.5°		10% beam - 108.5°		Mounting Height	Initial FC Center Beam	Diameter	FC	Diameter	FC	8.0	7.2	6.8	3.6	15.3	0.7	10.0	3.9	9.3	1.9	20.8	0.4	12.0	2.4	11.7	1.2	26.4	0.2	14.0	1.7	14.2	0.8	31.9	0.2	16.0	1.2	16.7	0.6	37.5	0.1
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4	70	62	55	69	61	54	67	59	54																																																																																																																																																																																																																																																					
5	63	54	47	62	53	47	60	52	46																																																																																																																																																																																																																																																					
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WF4 SQ Switchable White 4" LED Wafer Module

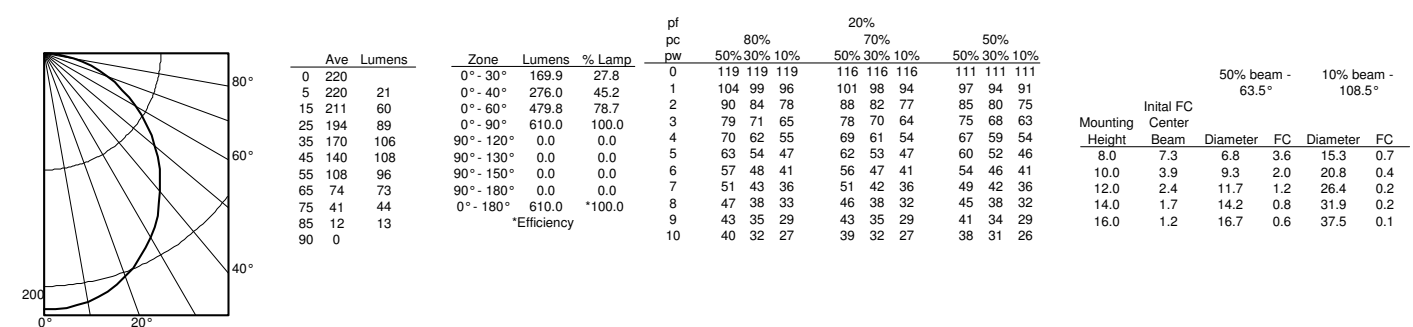
PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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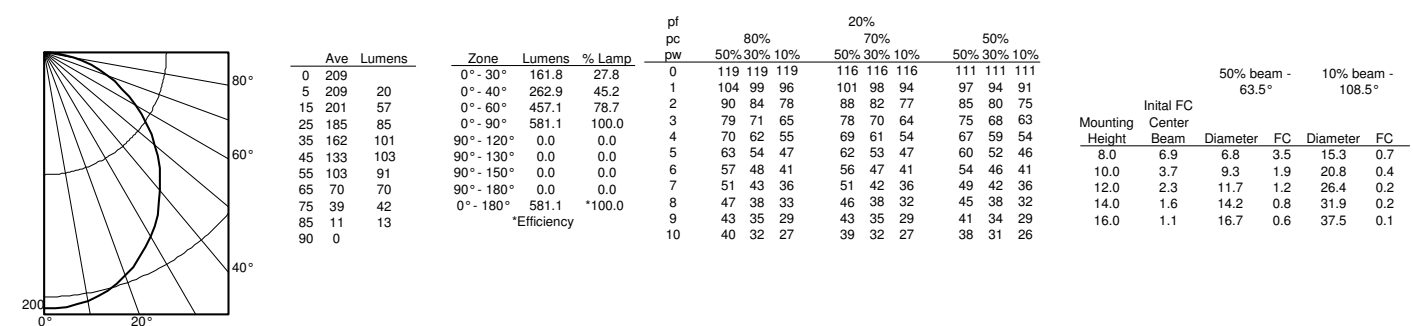
WF4 SQ B LED 27K30K35K, 2700K LEDs, input watts: 9, delivered lumens: 547, LM/W=61, test no. ISF 36826P25



WF4 SQ B LED 27K30K35K, 3000K LEDs, input watts: 9, delivered lumens: 610, LM/W=68, test no. ISF 36826P26

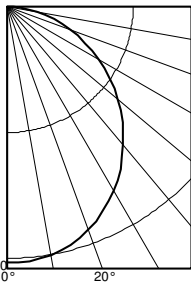


WF4 SQ B LED 27K30K35K, 3500K LEDs, input watts: 9, delivered lumens: 581, LM/W=65, test no. ISF 36826P27



WF4 SQ Switchable White 4" LED Wafer Module

PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire														
WF4 SQ B LED 30K40K50K, 3000K LEDs, input watts: 9, delivered lumens: 565, LM/W=63, test no. ISF 36826P28																		
	Ave	Lumens	Zone	Lumens	% Lamp	pf	80%			20%			50%			50% beam - 63.5°	10% beam - 108.5°	
	0	204	0° - 30°	157.2	27.8	0	50%	30%	10%	50%	30%	10%	50%	30%	10%			
	5	203	0° - 40°	255.4	45.2	1	119	119	119	116	116	116	111	111	111			
	15	196	0° - 60°	444.1	78.7	2	104	99	96	101	98	94	97	94	91			
	25	180	0° - 90°	564.6	100.0	3	90	84	78	88	82	77	85	80	75			
	35	157	90° - 120°	0.0	0.0	4	79	71	65	78	70	64	75	68	63			
	45	129	90° - 130°	0.0	0.0	5	70	62	55	69	61	54	67	59	54			
	55	100	90° - 150°	0.0	0.0	6	63	54	47	62	53	47	60	52	46			
	65	68	90° - 180°	0.0	0.0	7	57	48	41	56	47	41	54	46	41			
	75	38	0° - 180°	564.6	*100.0	8	51	43	36	51	42	36	49	42	36			
	85	11					9	47	38	33	46	38	32	45	38			32
	90	0					10	43	35	29	43	35	29	41	34			29
				</														

WF4 SQ B LED 30K40K50K, 4000K LEDs, input watts: 9, delivered lumens: 632, LM/W=70, test no. ISF 36826P29

	<table><tr><th>Ave</th><th>Lumens</th></tr><tr><td>0</td><td>228</td></tr><tr><td>5</td><td>228</td></tr><tr><td>15</td><td>219</td></tr><tr><td>25</td><td>201</td></tr><tr><td>35</td><td>176</td></tr><tr><td>45</td><td>145</td></tr><tr><td>55</td><td>112</td></tr><tr><td>65</td><td>77</td></tr><tr><td>75</td><td>43</td></tr><tr><td>85</td><td>12</td></tr><tr><td>90</td><td>0</td></tr></table>		Ave	Lumens	0	228	5	228	15	219	25	201	35	176	45	145	55	112	65	77	75	43	85	12	90	0	<table><tr><th>Zone</th><th>Lumens</th><th>% Lamp</th></tr><tr><td>0° - 30°</td><td>176.0</td><td>27.8</td></tr><tr><td>0° - 40°</td><td>285.9</td><td>45.2</td></tr><tr><td>0° - 60°</td><td>497.1</td><td>78.7</td></tr><tr><td>0° - 90°</td><td>632.0</td><td>100.0</td></tr><tr><td>90° - 120°</td><td>0.0</td><td>0.0</td></tr><tr><td>90° - 130°</td><td>0.0</td><td>0.0</td></tr><tr><td>90° - 150°</td><td>0.0</td><td>0.0</td></tr><tr><td>90° - 180°</td><td>0.0</td><td>0.0</td></tr><tr><td>0° - 180°</td><td>632.0</td><td>*100.0</td></tr><tr><td colspan="3">*Efficiency</td></tr></table>		Zone	Lumens	% Lamp	0° - 30°	176.0	27.8	0° - 40°	285.9	45.2	0° - 60°	497.1	78.7	0° - 90°	632.0	100.0	90° - 120°	0.0	0.0	90° - 130°	0.0	0.0	90° - 150°	0.0	0.0	90° - 180°	0.0	0.0	0° - 180°	632.0	*100.0	*Efficiency			<table><tr><th rowspan="2">Mounting Height</th><th rowspan="2">Initial FC Center Beam</th><th colspan="2">50% beam - 63.5°</th><th colspan="2">10% beam - 108.5°</th></tr><tr><th>Diameter</th><th>FC</th><th>Diameter</th><th>FC</th></tr><tr><td>8.0</td><td>7.5</td><td>6.8</td><td>3.8</td><td>15.3</td><td>0.8</td></tr><tr><td>10.0</td><td>4.1</td><td>9.3</td><td>2.0</td><td>20.8</td><td>0.4</td></tr><tr><td>12.0</td><td>2.5</td><td>11.7</td><td>1.3</td><td>26.4</td><td>0.3</td></tr><tr><td>14.0</td><td>1.7</td><td>14.2</td><td>0.9</td><td>31.9</td><td>0.2</td></tr><tr><td>16.0</td><td>1.3</td><td>16.7</td><td>0.6</td><td>37.5</td><td>0.1</td></tr></table>									Mounting Height	Initial FC Center Beam	50% beam - 63.5°		10% beam - 108.5°		Diameter	FC	Diameter	FC	8.0	7.5	6.8	3.8	15.3	0.8	10.0	4.1	9.3	2.0	20.8	0.4	12.0	2.5	11.7	1.3	26.4	0.3	14.0	1.7	14.2	0.9	31.9	0.2	16.0	1.3	16.7	0.6	37.5	0.1																																								
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WF4 SQ B LED 30K40K50K, 5000K LEDs, input watts: 9, delivered lumens: 606, LM/W=67, test no. ISF 36826P30

	<table><tr><th>Ave</th><th>Lumens</th></tr><tr><td>0</td><td>219</td></tr><tr><td>5</td><td>218</td></tr><tr><td>15</td><td>210</td></tr><tr><td>25</td><td>193</td></tr><tr><td>35</td><td>169</td></tr><tr><td>45</td><td>139</td></tr><tr><td>55</td><td>107</td></tr><tr><td>65</td><td>73</td></tr><tr><td>75</td><td>41</td></tr><tr><td>85</td><td>12</td></tr><tr><td>90</td><td>0</td></tr></table>		Ave	Lumens	0	219	5	218	15	210	25	193	35	169	45	139	55	107	65	73	75	41	85	12	90	0	<table><tr><th>Zone</th><th>Lumens</th><th>% Lamp</th></tr><tr><td>0° - 30°</td><td>168.9</td><td>27.8</td></tr><tr><td>0° - 40°</td><td>274.3</td><td>45.2</td></tr><tr><td>0° - 60°</td><td>476.9</td><td>78.7</td></tr><tr><td>0° - 90°</td><td>606.3</td><td>100.0</td></tr><tr><td>90° - 120°</td><td>0.0</td><td>0.0</td></tr><tr><td>90° - 130°</td><td>0.0</td><td>0.0</td></tr><tr><td>90° - 150°</td><td>0.0</td><td>0.0</td></tr><tr><td>90° - 180°</td><td>0.0</td><td>0.0</td></tr><tr><td>0° - 180°</td><td>606.3</td><td>*100.0</td></tr><tr><td colspan="3">*Efficiency</td></tr></table>		Zone	Lumens	% Lamp	0° - 30°	168.9	27.8	0° - 40°	274.3	45.2	0° - 60°	476.9	78.7	0° - 90°	606.3	100.0	90° - 120°	0.0	0.0	90° - 130°	0.0	0.0	90° - 150°	0.0	0.0	90° - 180°	0.0	0.0	0° - 180°	606.3	*100.0	*Efficiency			<table><tr><th colspan="2"></th><th colspan="3">80%</th><th colspan="3">20%</th><th colspan="3">50%</th></tr><tr><th>pc</th><th></th><th>50%</th><th>30%</th><th>10%</th><th>50%</th><th>30%</th><th>10%</th><th>50%</th><th>30%</th><th>10%</th></tr><tr><th>pw</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></tr><tr><td>0</td><td></td><td>119</td><td>119</td><td>119</td><td>116</td><td>116</td><td>116</td><td>111</td><td>111</td><td>111</td></tr><tr><td>1</td><td></td><td>104</td><td>99</td><td>96</td><td>101</td><td>98</td><td>94</td><td>97</td><td>94</td><td>91</td></tr><tr><td>2</td><td></td><td>90</td><td>84</td><td>78</td><td>88</td><td>82</td><td>77</td><td>85</td><td>80</td><td>75</td></tr><tr><td>3</td><td></td><td>79</td><td>71</td><td>65</td><td>78</td><td>70</td><td>64</td><td>75</td><td>68</td><td>63</td></tr><tr><td>4</td><td></td><td>70</td><td>62</td><td>55</td><td>69</td><td>61</td><td>54</td><td>67</td><td>59</td><td>54</td></tr><tr><td>5</td><td></td><td>63</td><td>54</td><td>47</td><td>62</td><td>53</td><td>47</td><td>60</td><td>52</td><td>46</td></tr><tr><td>6</td><td></td><td>57</td><td>48</td><td>41</td><td>56</td><td>47</td><td>41</td><td>54</td><td>46</td><td>41</td></tr><tr><td>7</td><td></td><td>51</td><td>43</td><td>36</td><td>51</td><td>42</td><td>36</td><td>49</td><td>42</td><td>36</td></tr><tr><td>8</td><td></td><td>47</td><td>38</td><td>33</td><td>46</td><td>38</td><td>32</td><td>45</td><td>38</td><td>32</td></tr><tr><td>9</td><td></td><td>43</td><td>35</td><td>29</td><td>43</td><td>35</td><td>29</td><td>41</td><td>34</td><td>29</td></tr><tr><td>10</td><td></td><td>40</td><td>32</td><td>27</td><td>39</td><td>32</td><td>27</td><td>38</td><td>31</td><td>26</td></tr></table>												80%			20%			50%			pc		50%	30%	10%	50%	30%	10%	50%	30%	10%	pw											0		119	119	119	116	116	116	111	111	111	1		104	99	96	101	98	94	97	94	91	2		90	84	78	88	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	36	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	<table><tr><th colspan="2">50% beam - 63.5°</th><th colspan="2">10% beam - 108.5°</th></tr><tr><th>Mounting Height</th><th>Initial FC Center Beam</th><th>Diameter</th><th>FC</th><th>Diameter</th><th>FC</th></tr><tr><td>8.0</td><td>7.2</td><td>6.8</td><td>3.6</td><td>15.3</td><td>0.7</td></tr><tr><td>10.0</td><td>3.9</td><td>9.3</td><td>1.9</td><td>20.8</td><td>0.4</td></tr><tr><td>12.0</td><td>2.4</td><td>11.7</td><td>1.2</td><td>26.4</td><td>0.2</td></tr><tr><td>14.0</td><td>1.7</td><td>14.2</td><td>0.8</td><td>31.9</td><td>0.2</td></tr><tr><td>16.0</td><td>1.2</td><td>16.7</td><td>0.6</td><td>37.5</td><td>0.1</td></tr></table>				50% beam - 63.5°		10% beam - 108.5°		Mounting Height	Initial FC Center Beam	Diameter	FC	Diameter	FC	8.0	7.2	6.8	3.6	15.3	0.7	10.0	3.9	9.3	1.9	20.8	0.4	12.0	2.4	11.7	1.2	26.4	0.2	14.0	1.7	14.2	0.8	31.9	0.2	16.0	1.2	16.7	0.6	37.5	0.1
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WF4 SQ Switchable White 4" LED Wafer Module

ENERGY DATA

WF4 SQ S (OR B) LED 27K30K35K			
Color Temperature	2700K	3000K	3500K
Lumens	540	600	570
CRI	90	90	90
Rated wattage	9.3	9.2	9.5
Lu/Watts	58.1	65.2	60.0
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	0.08A	0.08A	0.08A

WF4 SQ S (OR B) LED 30K40K50K			
Color Temperature	3000K	4000K	5000K
Lumens	560	620	600
CRI	90	90	90
Rated wattage	9.2	9	9.3
Lu/Watts	60.9	68.9	64.5
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	0.08A	0.08A	0.08A

LIGHTING PERFORMANCE DATA



LIGHTING PERFORMANCE DATA DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE

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

2700K soft white | blanc doux

540 lumens | 57 lumens per watt

3000K warm white | blanc chaud

600 lumens | 63 lumens per watt

3500K neutral white | blanc neutre

570 lumens | 60 lumens per watt

Watts **9.5**

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)

3000K warm white | blanc chaud

560 lumens | 62 lumens per watt

4000K cool white | blanc froid

620 lumens | 69 lumens per watt

5000K daylight | lumière du jour

600 lumens | 67 lumens per watt

Watts **9.0**

Color Accuracy (CRI) **90**
Précision des couleurs (CRI)