

## LF™ Series Sprinkler

The Rain Bird® LF Series Sprinkler is built rugged to withstand the harsh conditions in agricultural applications. It has been designed to combine the advantages of an impact sprinkler with stream height flexibility that delivers precise, uniform and unrivaled water distribution.

This low-flow sprinkler series offers full-circle operation with a variety of color-coded nozzles and deflector inserts that snap in place with the push of a finger, making accommodations to every setup a snap.

### Features and Benefits

#### ◆ High Distribution Uniformity

- Weighted drive disk provides long dwell time between stream interruptions to achieve the maximum distance of throw
- The deflector is designed to provide a fan pattern to optimize uniformity
- During impact, the Precision Jet (PJ) spoon directs the water stream into the field preventing erosion at the riser base

#### ◆ Most Robust Sprinkler in its Class

- Patented Ceramic Radial Bearing (CRB) is longer lasting than conventional counterparts
- Patented Flow Dependent Brake (FDB) stabilizes rotation time over a range of water pressures
- Provides consistent performance at high temperatures and below freezing
- Deflector made of composite engineered thermoplastic - provides dimensional stability, resists wear caused by dirty water conditions
- Drive disk made of engineered thermoplastic - shields and protects sprinkler from freezing, wind-blown and water-borne debris
- Springs and pin composed of high-grade stainless steel for corrosion resistance
- Ultraviolet (UV) stabilizer protects the sprinkler from the sun

#### ◆ Easy to Use

- Sprinkler is comprised of: the drive unit, body, deflector and nozzle  
Each piece can be purchased separately
- EZ-twist tabs allow simple removal of the drive unit; no tools required
- Nozzles and deflectors snap in place with the push of a finger
- Color-coded nozzles and deflectors allow easy identification
- Weed Guard blocks weeds from growing into the sprinkler and stopping the rotations

#### Accessories

- Edge Guard (Road Guard) precisely directs water back to the field  
It can also be used as a part circle on edges and row ends
- Splash Guard fits over the top of the sprinkler and directs water downwards. When removing or replacing the sprinkler, allowing users to change or clean nozzles without getting soaked
- Stream Splitter splits the water to avoid direct water streams into tree trunks, equipment, and general areas that do not need watering

#### Operating Range

- Pressure: 25 to 60 psi (1.7 to 4.1 bar)
- Flow Rate: 0.77 to 4.02 gpm (175 to 913 l/hr)



#### Specifications

- 1/2" (13 mm) NPT male pipe thread
- 23mm Acme male thread (requires special adapter)
- Anti-theft, NPT and Acme bodies available

#### Nozzle Sizes:

White	0.0703"	(1.79mm, 50 drill)
Blue	0.078"	(1.98mm, 5/64")
Orange	0.086"	(2.18mm, 44 drill)
Purple	0.094"	(2.39mm, 3/32")
Yellow	0.102"	(2.59mm, 38 drill)
Green	0.109"	(2.76mm, 7/64")
Tan	0.117"	(2.97mm, 30 drill)
Red	0.1250"	(3.18mm, 1/8")
Black	0.1325"	(3.37mm, 29 drill)
Silver	0.1406"	(3.57mm, 9/64")

#### Deflector trajectory outlets are:

6°	(Yellow)
6°	(Dark Purple)
9°	(Purple)
10°	(White)
10°	(Lime Green)
12°	(Copper)
12°	(Cyan Blue)
12°	(Pink)
13°	(Maroon)
15°	(Brown)
15°	(Tangerine)
16°	(Red)
17°	(Powder Blue)
21°	(Olive Green)
22°	(Dark Green)

## Specifications

The full circle sprinkler shall be of a stationary interchangeable nozzle type, with an impact driven rotation and single interchangeable deflector, capable of covering \_\_\_ (feet, meters) radius, at \_\_\_ pounds per square inch (psi) (or bars), a stream height of \_\_\_ (inches, centimeters) with a discharge rate of \_\_\_ (gph, l/hr).

The sprinkler shall require no tools for installation or operation. The sprinkler shall accept \_\_\_ interchangeable color-coded nozzles with \_\_\_ color-coded deflectors. The drive unit shall be removed from the sprinkler body with or without the sprinkler in operation. Removal of the drive unit from the body shall allow access to the deflector. The sprinkler body shall be removed from the riser for nozzle replacement. Deflectors shall be designed to match individual nozzle sizes and provide a water profile that yields optimum uniformity at a multitude of spacings.

There shall be no dynamic or rotating seals in the sprinkler. The nozzle shall seal to the sprinkler body through a stationary pressure-activated seal that does not wear out over time or need replacement. The main bearing shall be made of a ceramic material for ultra low wear in the dirtiest and grittiest environment. The fulcrum pin is of a patent pending configuration that shall be made of a high-grade stainless steel for superior wear resistance in the worst abrasive environments. The main brake washers shall consist of a very durable integrated plastic capable of enduring gritty and abrasive environments.

The head shall have a web-based configuration selection software available to the owner, to select the configuration with the optimum uniformity.

The sprinkler shall maintain rotation times of under 80 seconds for 1.0 to 1.5 gpm and under 60 seconds for 2.0 to 3.9 gpm (under 120 seconds for blue and white nozzle applications). The sprinkler may experience a break-in period where it shall perform out of the factory between 10-40 seconds depending on flow pressure. The sprinkler shall be an excellent frost protection sprinkler because of its uniformity patterns.



The amount of time between impacts shall be much greater giving the advantage of holding the stream stationary for longer periods of time, allowing the water stream to attain a maximum radius of throw. The time to travel full circle shall remain more consistent through the different flow rates because braking action is done with water momentum as opposed to line pressure.

The LF Series Sprinkler shall be manufactured by Rain Bird Corporation, Azusa, California.



## LF800 118347

Matrix of Assemblies

Deflector	Nozzle	Stream Height (inch)	Flow Rates at Standard Pressures (gpm)									Fully Assembled Part Number	
			Throw Radius at Given Nozzle and Standard Pressure (Feet)									NPT	ACME
			25psi	30psi	35psi	40psi	45psi	50psi	55psi	60psi			
<b>6 Degree Yellow</b> 118582 	<b>White</b> 50 Drill .070" 11809850 	14-21		<u>0.77</u> 23	<u>0.83</u> 24	<u>0.89</u> 25	<u>0.96</u> 25	<u>1.01</u> 25	<u>1.06</u> 26	<u>1.11</u> 26	A85101A0650	A85103A0650	
	<b>Blue,</b> 5/64" .078" 11809805 	12-21	<u>0.88</u> 23	<u>0.97</u> 24	<u>1.05</u> 25	<u>1.12</u> 26	<u>1.19</u> 26	<u>1.25</u> 27	<u>1.31</u> 27	<u>1.37</u> 27	A85101A0605	A85103A0605	
	<b>Orange</b> 44 Drill .086" 11809844 	14-22	<u>1.07</u> 23	<u>1.17</u> 25	<u>1.26</u> 26	<u>1.35</u> 27	<u>1.43</u> 28	<u>1.51</u> 28	<u>1.59</u> 28	<u>1.67</u> 29	A85101A0644	A85103A0644	
<b>9 Degree Bright Purple</b> 118601 	<b>White</b> 50 Drill .070" 11809850 	17-25		<u>0.77</u> 25	<u>0.83</u> 25	<u>0.89</u> 26	<u>0.96</u> 27	<u>1.01</u> 27	<u>1.06</u> 27	<u>1.11</u> 27	A85101A0950	A85103A0950	
	<b>Blue,</b> 5/64" .078" 11809805 	15-28	<u>0.88</u> 25	<u>0.97</u> 26	<u>1.05</u> 27	<u>1.12</u> 28	<u>1.19</u> 28	<u>1.25</u> 28	<u>1.31</u> 28	<u>1.37</u> 29	A85101A0905	A85103A0905	
<b>12 Degree Copper</b> 118575 	<b>White</b> 50 Drill .070" 11809850 	26-35		<u>0.77</u> 27	<u>0.83</u> 28	<u>0.89</u> 29	<u>0.96</u> 29	<u>1.01</u> 29	<u>1.06</u> 29	<u>1.11</u> 29	A85101A1250	A85103A1250	
	<b>Blue,</b> 5/64" .078" 11809805 	25-38	<u>0.88</u> 27	<u>0.97</u> 28	<u>1.05</u> 30	<u>1.12</u> 30	<u>1.19</u> 31	<u>1.25</u> 31	<u>1.31</u> 31	<u>1.37</u> 31	A85101A1205	A85103A1205	
	<b>Orange</b> 44 Drill .086" 11809844 	26-41	<u>1.07</u> 28	<u>1.17</u> 30	<u>1.26</u> 31	<u>1.35</u> 32	<u>1.43</u> 32	<u>1.51</u> 33	<u>1.59</u> 33	<u>1.67</u> 34	A85101A1244	A85103A1244	
<b>15 Degree Brown</b> 118586 	<b>White</b> 50 Drill .070" 11809850 	34-45		<u>0.77</u> 28	<u>0.83</u> 29	<u>0.89</u> 30	<u>0.96</u> 30	<u>1.01</u> 30	<u>1.06</u> 30	<u>1.11</u> 31	A85101A1550	A85103A1550	
	<b>Blue,</b> 5/64" .078" 11809805 	32-50	<u>0.88</u> 28	<u>0.97</u> 30	<u>1.05</u> 31	<u>1.12</u> 31	<u>1.19</u> 33	<u>1.25</u> 33	<u>1.31</u> 33	<u>1.37</u> 33	A85101A1505	A85103A1505	
	<b>Orange</b> 44 Drill .086" 11809844 	28-55	<u>1.07</u> 28	<u>1.17</u> 31	<u>1.26</u> 32	<u>1.35</u> 33	<u>1.43</u> 33	<u>1.51</u> 34	<u>1.59</u> 34	<u>1.67</u> 34	A85101A1544	A85103A1544	

Note: Sprinkler riser must be stable in order to achieve stated sprinkler performance.  
Performance data is based on a 12 inch riser. Not all combinations are reflected in the table above

LF800 118347												
Deflector	Nozzle	Stream Height (cm)	Flow Rates at Standard Pressures (lph) Throw Radius at Given Nozzle and Standard Pressure (m)								Fully Assembled Part Number	
			1.7 bar	2.1 bar	2.4 bar	2.8 bar	3.1 bar	3.5 bar	3.8 bar	4.2 bar	NPT	ACME
			25psi	30psi	35psi	40psi	45psi	50psi	55psi	60psi		
<b>6 Degree Yellow</b> 118582 	<b>White</b> 50 Drill 1.79mm 11809850	35-53		<u>175</u> 6.9	<u>188</u> 7.2	<u>202</u> 7.5	<u>218</u> 7.5	<u>229</u> 7.5	<u>241</u> 7.8	<u>252</u> 7.8	A85101A0650	A85103A0650
	<b>Blue,</b> 5/64" 1.98mm 11809805	30-53	<u>200</u> 6.9	<u>220</u> 7.2	<u>238</u> 7.5	<u>254</u> 7.8	<u>270</u> 7.8	<u>284</u> 8.1	<u>298</u> 8.1	<u>311</u> 8.1	A85101A0605	A85103A0605
	<b>Orange</b> 44 Drill 2.18mm 11809844	35-55	<u>243</u> 6.9	<u>266</u> 7.5	<u>286</u> 7.8	<u>307</u> 8.1	<u>325</u> 8.4	<u>343</u> 8.4	<u>361</u> 8.4	<u>379</u> 8.7	A85101A0644	A85103A0644
<b>9 Degree Bright Purple</b> 118601 	<b>White</b> 50 Drill 1.79mm 11809850	43-63		<u>175</u> 7.5	<u>188</u> 7.5	<u>202</u> 7.8	<u>218</u> 8.1	<u>229</u> 8.1	<u>241</u> 8.1	<u>252</u> 8.1	A85101A0950	A85103A0950
	<b>Blue,</b> 5/64" 1.98mm 11809805	38-71	<u>200</u> 7.5	<u>220</u> 7.8	<u>238</u> 8.1	<u>254</u> 8.4	<u>270</u> 8.4	<u>284</u> 8.4	<u>298</u> 8.4	<u>311</u> 8.7	A85101A0905	A85103A0905
<b>12 Degree Copper</b> 118575 	<b>White</b> 50 Drill 1.79mm 11809850	66-88		<u>175</u> 8.1	<u>188</u> 8.4	<u>202</u> 8.7	<u>218</u> 8.7	<u>229</u> 8.7	<u>241</u> 8.7	<u>252</u> 8.7	A85101A1250	A85103A1250
	<b>Blue,</b> 5/64" 1.98mm 11809805	63-96	<u>200</u> 8.1	<u>220</u> 8.4	<u>238</u> 9.0	<u>254</u> 9.0	<u>270</u> 9.3	<u>284</u> 9.3	<u>298</u> 9.3	<u>311</u> 9.3	A85101A1205	A85103A1205
	<b>Orange</b> 44 Drill 2.18mm 11809844	66-104	<u>243</u> 8.4	<u>266</u> 9.0	<u>286</u> 9.3	<u>307</u> 9.6	<u>325</u> 9.6	<u>343</u> 9.9	<u>361</u> 9.9	<u>379</u> 10.2	A85101A1244	A85103A1244
<b>15 Degree Brown</b> 118586 	<b>White</b> 50 Drill 1.79mm 11809850	86-114		<u>175</u> 8.4	<u>188</u> 8.7	<u>202</u> 9.0	<u>218</u> 9.0	<u>229</u> 9.0	<u>241</u> 9.0	<u>252</u> 9.3	A85101A1550	A85103A1550
	<b>Blue,</b> 5/64" 1.98mm 11809805	81-127	<u>200</u> 8.4	<u>220</u> 9.0	<u>238</u> 9.3	<u>254</u> 9.3	<u>270</u> 9.9	<u>284</u> 9.9	<u>298</u> 9.9	<u>311</u> 9.9	A85101A1505	A85103A1505
	<b>Orange</b> 44 Drill 2.18mm 11809844	71-139	<u>243</u> 8.4	<u>266</u> 9.3	<u>286</u> 9.6	<u>307</u> 9.9	<u>325</u> 9.9	<u>343</u> 10.2	<u>361</u> 10.2	<u>379</u> 10.2	A85101A1544	A85103A1544





Note: Sprinkler riser must be stable in order to achieve stated sprinkler performance.  
Performance data is based on a 30cm riser. Not all combinations are reflected in the table above.

LF1200 118201												
Deflector	Nozzle	Stream Height (inch)	Flow Rates at Standard Pressures (gpm)							Fully Assembled Part Number		
			Throw Radius at Given Nozzle and Standard Pressure (Feet)							NPT	ACME	
			25psi	30psi	35psi	40psi	45psi	50psi	55psi	60psi		
<b>6 Degree Dark Purple</b> 118285 	<b>Orange</b> 44 Drill .086" 11809844 	14-20		<u>1.17</u> 23	<u>1.26</u> 23	<u>1.35</u> 25	<u>1.43</u> 25	<u>1.51</u> 26	<u>1.59</u> 26	<u>1.67</u> 26	A85001B0644	A85003B0644
	<b>Purple</b> 3/32" .094" 11809806 	14-21	<u>1.27</u> 22	<u>1.39</u> 24	<u>1.50</u> 24	<u>1.61</u> 26	<u>1.71</u> 26	<u>1.80</u> 28	<u>1.89</u> 26	<u>1.98</u> 27	A85001B0606	A85003B0606
	<b>Yellow</b> 38 Drill .102" 11809838 	16-21	<u>1.49</u> 23	<u>1.63</u> 25	<u>1.77</u> 25	<u>1.89</u> 27	<u>2.00</u> 27	<u>2.12</u> 28			A85001B0638	A85003B0638
<b>10 Degree White</b> 118231 	<b>Blue</b> 5/64" .078" 11809805 	19-29		<u>0.97</u> 25	<u>1.05</u> 26	<u>1.12</u> 26	<u>1.19</u> 27	<u>1.25</u> 27	<u>1.31</u> 27	<u>1.37</u> 27	A85001B1005	A85003B1005
	<b>Orange</b> 44 Drill .086" 11809844 	24-33		<u>1.17</u> 25	<u>1.26</u> 27	<u>1.35</u> 27	<u>1.43</u> 28	<u>1.51</u> 27	<u>1.59</u> 30	<u>1.67</u> 29	A85001B1044	A85003B1044
	<b>Purple</b> 3/32" .094" 11809806 	22-34	<u>1.27</u> 26	<u>1.39</u> 28	<u>1.50</u> 28	<u>1.61</u> 28	<u>1.71</u> 29	<u>1.80</u> 29	<u>1.89</u> 29	<u>1.98</u> 29	A85001B1006	A85003B1006
	<b>Yellow</b> 38 Drill .102" 11809838 	24-34	<u>1.49</u> 27	<u>1.63</u> 29	<u>1.77</u> 28	<u>1.89</u> 31	<u>2.00</u> 30	<u>2.12</u> 30			A85001B1038	A85003B1038
<b>12 Degree Cyan Blue</b> 118262 	<b>Orange</b> 44 Drill .086" 11809844 	28-39		<u>1.17</u> 27	<u>1.26</u> 28	<u>1.35</u> 29	<u>1.43</u> 29	<u>1.51</u> 29	<u>1.59</u> 30	<u>1.67</u> 30	A85001B1244	A85003B1244
	<b>Purple</b> 3/32" .094" 11809806 	28-40	<u>1.27</u> 27	<u>1.39</u> 29	<u>1.50</u> 30	<u>1.61</u> 31	<u>1.71</u> 31	<u>1.80</u> 31	<u>1.89</u> 32	<u>1.98</u> 32	A85001B1206	A85003B1206
	<b>Yellow</b> 38 Drill .102" 11809838 	30-43	<u>1.49</u> 28	<u>1.63</u> 30	<u>1.77</u> 32	<u>1.89</u> 32	<u>2.00</u> 32	<u>2.12</u> 33			A85001B1238	A85003B1238
<b>12 Degree Pink</b> 118354 	<b>Green</b> 7/64" .109" 11809807 	30-41	<u>1.69</u> 30	<u>1.85</u> 32	<u>2.00</u> 33	<u>2.15</u> 34					A85001B1207	A85003B1207
	<b>Tan</b> 30 Drill .117" 11809830 	34-44	<u>1.97</u> 31	<u>2.17</u> 33	<u>2.35</u> 34	<u>2.53</u> 35					A85001B1230	A85003B1230
<b>16 Degree Red</b> 118240 	<b>Blue</b> 5/64" .078" 11809805 	46-59				<u>1.12</u> 30	<u>1.19</u> 31	<u>1.25</u> 30	<u>1.31</u> 31	<u>1.37</u> 31	A85001B1605	A85003B1605
	<b>Orange</b> 44 Drill .086" 11809844 	42-55		<u>1.17</u> 31	<u>1.26</u> 32	<u>1.35</u> 32	<u>1.43</u> 32	<u>1.51</u> 32	<u>1.59</u> 32	<u>1.67</u> 32	A85001B1644	A85003B1644
	<b>Purple</b> 3/32" .094" 11809806 	40-55	<u>1.27</u> 30	<u>1.39</u> 31	<u>1.50</u> 32	<u>1.61</u> 33	<u>1.71</u> 33	<u>1.80</u> 34	<u>1.89</u> 34	<u>1.98</u> 34	A85001B1606	A85003B1606
	<b>Yellow</b> 38 Drill .102" 11809838 	40-55	<u>1.49</u> 30	<u>1.63</u> 31	<u>1.77</u> 33	<u>1.89</u> 33	<u>2.00</u> 33	<u>2.12</u> 32			A85001B1638	A85003B1638
<b>17 Degree Powder Blue</b> 118226 	<b>Blue</b> 5/64" .078" 11809805 	41-55		<u>0.97</u> 27	<u>1.05</u> 31	<u>1.12</u> 30	<u>1.19</u> 33	<u>1.25</u> 33	<u>1.31</u> 33	<u>1.37</u> 33	A85001B1705	A85003B1705
	<b>Orange</b> 44 Drill .086" 11809844 	49-60		<u>1.17</u> 31	<u>1.26</u> 33	<u>1.35</u> 34	<u>1.43</u> 34	<u>1.51</u> 34	<u>1.59</u> 34	<u>1.67</u> 33	A85001B1744	A85003B1744
	<b>Purple</b> 3/32" .094" 11809806 	42-61	<u>1.27</u> 31	<u>1.39</u> 33	<u>1.50</u> 34	<u>1.61</u> 35	<u>1.71</u> 36	<u>1.80</u> 35	<u>1.89</u> 36	<u>1.98</u> 36	A85001B1706	A85003B1706
	<b>Yellow</b> 38 Drill .102" 11809838 	43-61	<u>1.49</u> 32	<u>1.63</u> 34	<u>1.77</u> 35	<u>1.89</u> 36	<u>2.00</u> 36	<u>2.12</u> 37			A85001B1738	A85003B1738
<b>21 Degree Olive Green</b> 118339 	<b>Orange</b> 44 Drill .086" 11809844 	60-74		<u>1.17</u> 34	<u>1.26</u> 34	<u>1.35</u> 34	<u>1.43</u> 35	<u>1.51</u> 35	<u>1.59</u> 35	<u>1.67</u> 35	A85001B2144	A85003B2144
	<b>Purple</b> 3/32" .094" 11809806 	50-75	<u>1.27</u> 33	<u>1.39</u> 34	<u>1.50</u> 35	<u>1.61</u> 35	<u>1.71</u> 35	<u>1.80</u> 35	<u>1.89</u> 35	<u>1.98</u> 36	A85001B2106	A85003B2106
	<b>Yellow</b> 38 Drill .102" 11809838 	53-72	<u>1.49</u> 34	<u>1.63</u> 35	<u>1.77</u> 36	<u>1.89</u> 36	<u>2.00</u> 36	<u>2.12</u> 36			A85001B2138	A85003B2138

Note: Sprinkler riser must be stable in order to achieve stated sprinkler performance.  
Performance data is based on a 12 inch riser. Not all combinations are reflected in the table above.

LF1200 118201												
Deflector	Nozzle	Stream Height (cm)	Flow Rates at Standard Pressures (lph)								Fully Assembled Part Number	
			Throw Radius at Given Nozzle and Standard Pressure (m)								NPT	ACME
			1.7 bar	2.1 bar	2.4 bar	2.8 bar	3.1 bar	3.5 bar	3.8 bar	4.2 bar		
25psi	30psi	35psi	40psi	45psi	50psi	55psi	60psi					
<b>6 Degree Dark Purple</b> 118285 	<b>Orange</b> 44 Drill 2.18mm 11809844 	35-50		266 6.9	286 6.9	307 7.5	325 7.5	343 7.8	361 7.8	379 7.8	A85001B0644	A85003B0644
	<b>Purple</b> 3/32" 2.39mm 11809806 	35-53	288 6.6	316 7.2	341 7.2	366 7.8	388 7.8	409 8.4	429 7.8	450 8.1	A85001B0606	A85003B0606
	<b>Yellow</b> 38 Drill 2.59mm 11809838 	40-53	338 6.9	370 7.5	402 7.5	429 8.1	454 8.1	481 8.4			A85001B0638	A85003B0638
<b>10 Degree White</b> 118231 	<b>Blue</b> 5/64" 1.98mm 11809805 	48-73		220 7.5	238 7.8	254 7.8	270 8.1	284 8.1	298 8.1	311 8.1	A85001B1005	A85003B1005
	<b>Orange</b> 44 Drill 2.18mm 11809844 	60-83		266 7.5	286 8.1	307 8.1	325 8.4	343 8.1	361 9.0	379 8.7	A85001B1044	A85003B1044
	<b>Purple</b> 3/32" 2.39mm 11809806 	55-86	288 7.8	316 8.4	341 8.4	366 8.4	388 8.7	409 8.7	429 8.7	450 8.7	A85001B1006	A85003B1006
	<b>Yellow</b> 38 Drill 2.59mm 11809838 	60-86	338 8.1	370 8.7	402 8.4	429 9.3	454 9.0	481 9.0			A85001B1038	A85003B1038
<b>12 Degree Cyan Blue</b> 118262 	<b>Orange</b> 44 Drill 2.18mm 11809844 	71-99		266 8.1	286 8.4	307 8.7	325 8.7	343 8.7	361 9.0	379 9.0	A85001B1244	A85003B1244
	<b>Purple</b> 3/32" 2.39mm 11809806 	71-101	288 8.1	316 8.7	341 9.0	366 9.3	388 9.3	409 9.6	429 9.6	450 9.6	A85001B1206	A85003B1206
	<b>Yellow</b> 38 Drill 2.59mm 11809838 	76-109	338 8.4	370 9.0	402 9.6	429 9.6	454 9.6	481 9.6			A85001B1238	A85003B1238
<b>12 Degree Pink</b> 118354 	<b>Green</b> 7/64" 2.76mm 11809807 	76-104	384 9.0	420 9.6	454 9.9	488 10.2					A85001B1207	A85003B1207
	<b>Tan</b> 30 Drill 2.97mm 11809830 	86-111	447 9.3	493 9.9	534 10.2	575 10.5					A85001B1230	A85003B1230
<b>16 Degree Red</b> 118240 	<b>Blue</b> 5/64" 1.98mm 11809805 	116-149				254 9.0	270 9.3	284 9.0	298 9.3	311 9.3	A85001B1605	A85003B1605
	<b>Orange</b> 44 Drill 2.18mm 11809844 	106-139		266 9.3	286 9.6	307 9.6	325 9.6	343 9.6	361 9.6	379 9.6	A85001B1644	A85003B1644
	<b>Purple</b> 3/32" 2.39mm 11809806 	101-139	288 9.0	316 9.3	341 9.6	366 9.9	388 9.9	409 10.2	429 10.2	450 10.2	A85001B1606	A85003B1606
	<b>Yellow</b> 38 Drill 2.59mm 11809838 	101-139	338 9.0	370 9.3	402 9.9	429 9.9	454 9.9	481 9.6			A85001B1638	A85003B1638
<b>17 Degree Powder Blue</b> 118226 	<b>Blue</b> 5/64" 1.98mm 11809805 	104-139		220 8.1	238 9.3	254 9.0	270 9.9	284 9.9	298 9.9	311 9.9	A85001B1705	A85003B1705
	<b>Orange</b> 44 Drill 2.18mm 11809844 	124-152		266 9.3	286 9.9	307 10.2	325 10.2	343 10.2	361 10.2	379 9.9	A85001B1744	A85003B1744
	<b>Purple</b> 3/32" 2.39mm 11809806 	106-154	288 9.3	316 9.9	341 10.2	366 10.5	388 10.8	409 10.5	429 10.8	450 10.8	A85001B1706	A85003B1706
	<b>Yellow</b> 38 Drill 2.59mm 11809838 	109-154	338 9.6	370 10.2	402 10.5	429 10.8	454 10.8	481 11.1			A85001B1738	A85003B1738
<b>21 Degree Olive Green</b> 118339 	<b>Orange</b> 44 Drill 2.18mm 11809844 	152-187		266 10.2	286 10.2	307 10.2	325 10.5	343 10.5	361 10.5	379 10.5	A85001B2144	A85003B2144
	<b>Purple</b> 3/32" 2.39mm 11809806 	127-190	288 9.9	316 10.2	341 10.5	366 10.5	388 10.5	409 10.5	429 10.5	450 10.8	A85001B2106	A85003B2106
	<b>Yellow</b> 38 Drill 2.59mm 11809838 	134-182	338 10.2	370 10.5	402 10.8	429 10.8	454 10.8	481 10.8			A85001B2138	A85003B2138

Note: Sprinkler riser must be stable in order to achieve stated sprinkler performance.  
Performance data is based on a 30cm riser. Not all combinations are reflected in the table above.

LF2400 118572												
Deflector	Nozzle	Stream Height (inch)	Flow Rates at Standard Pressures (gpm)								Fully Assembled Part Number	
			Throw Radius at Given Nozzle and Standard Pressure (Feet)								NPT	ACME
			25psi	30psi	35psi	40psi	45psi	50psi	55psi	60psi		
<b>10 Degree Lime</b> 118599 	<b>Green</b> 7/64" .109" 11809807	20-38	<u>1.69</u> 27	<u>1.85</u> 29	<u>2.00</u> 30	<u>2.15</u> 32	<u>2.28</u> 33	<u>2.45</u> 34	<u>2.57</u> 34	<u>2.70</u> 35	A85201C1007	A85203C1007
	<b>Tan</b> 30 Drill .117" 11809830	24-38	<u>1.97</u> 29	<u>2.17</u> 30	<u>2.35</u> 32	<u>2.53</u> 33	<u>2.67</u> 34	<u>2.81</u> 35	<u>2.95</u> 35	<u>3.09</u> 36	A85201C1030	A85203C1030
	<b>Red</b> 1/8" .125" 11809808	24-41	<u>2.24</u> 30	<u>2.50</u> 32	<u>2.70</u> 33	<u>2.89</u> 34	<u>3.07</u> 35	<u>3.20</u> 36	<u>3.36</u> 36	<u>3.52</u> 36	A85201C1008	A85203C1008
	<b>Black</b> 29 Drill .133" 11809829	30-48	<u>2.52</u> 30	<u>2.81</u> 32	<u>3.03</u> 33	<u>3.25</u> 35	<u>3.45</u> 35	<u>3.60</u> 36	<u>3.75</u> 36	<u>3.88</u> 37	A85201C1029	A85203C1029
	<b>Silver</b> 9/64" .143" 11809809	32-44	<u>2.93</u> 32	<u>3.27</u> 34	<u>3.53</u> 35	<u>3.78</u> 36	<u>4.02</u> 37				A85201C1009	A85203C1009
<b>13 Degree Maroon</b> 118600 	<b>Green</b> 7/64" .109" 11809807	28-50	<u>1.69</u> 30	<u>1.85</u> 31	<u>2.00</u> 32	<u>2.15</u> 33	<u>2.28</u> 34	<u>2.45</u> 34	<u>2.57</u> 35	<u>2.70</u> 35	A85201C1307	A85203C1307
	<b>Tan</b> 30 Drill .117" 11809830	30-48	<u>1.97</u> 31	<u>2.17</u> 32	<u>2.35</u> 33	<u>2.53</u> 36	<u>2.67</u> 35	<u>2.81</u> 36	<u>2.95</u> 36	<u>3.09</u> 36	A85201C1330	A85203C1330
	<b>Red</b> 1/8" .125" 11809808	32-49	<u>2.24</u> 31	<u>2.50</u> 33	<u>2.70</u> 34	<u>2.89</u> 35	<u>3.07</u> 36	<u>3.20</u> 37	<u>3.36</u> 38	<u>3.52</u> 37	A85201C1308	A85203C1308
	<b>Black</b> 29 Drill .133" 11809829	33-50	<u>2.52</u> 32	<u>2.81</u> 33	<u>3.03</u> 34	<u>3.25</u> 35	<u>3.45</u> 36	<u>3.60</u> 36	<u>3.75</u> 37	<u>3.88</u> 37	A85201C1329	A85203C1329
	<b>Silver</b> 9/64" .143" 11809809	38-54	<u>2.93</u> 33	<u>3.27</u> 36	<u>3.53</u> 37	<u>3.78</u> 38	<u>4.02</u> 39				A85201C1309	A85203C1309
<b>15 Degree Tangerine</b> 118583 	<b>Green</b> 7/64" .109" 11809807	32-50	<u>1.69</u> 36	<u>1.85</u> 32	<u>2.00</u> 33	<u>2.15</u> 34	<u>2.28</u> 35	<u>2.45</u> 35	<u>2.57</u> 36	<u>2.70</u> 37	A85201C1507	A85203C1507
	<b>Tan</b> 30 Drill .117" 11809830	28-50	<u>1.97</u> 30	<u>2.17</u> 33	<u>2.35</u> 34	<u>2.53</u> 36	<u>2.67</u> 36	<u>2.81</u> 36	<u>2.95</u> 37	<u>3.09</u> 37	A85201C1530	A85203C1530
	<b>Red</b> 1/8" .125" 11809808	35-54	<u>2.24</u> 32	<u>2.50</u> 34	<u>2.70</u> 35	<u>2.89</u> 37	<u>3.07</u> 37	<u>3.20</u> 37	<u>3.36</u> 37	<u>3.52</u> 37	A85201C1508	A85203C1508
	<b>Black</b> 29 Drill .133" 11809829	40-67	<u>2.52</u> 32	<u>2.81</u> 36	<u>3.03</u> 37	<u>3.25</u> 38	<u>3.45</u> 38	<u>3.60</u> 39	<u>3.75</u> 39	<u>3.88</u> 40	A85201C1529	A85203C1529
	<b>Silver</b> 9/64" .143" 11809809	42-57	<u>2.93</u> 34	<u>3.27</u> 36	<u>3.53</u> 37	<u>3.78</u> 39	<u>4.02</u> 39				A85201C1509	A85203C1509
<b>22 Degree Dark Green</b> 118585 	<b>Green</b> 7/64" .109" 11809807	63-95	<u>1.69</u> 36	<u>1.85</u> 38	<u>2.00</u> 38	<u>2.15</u> 38	<u>2.28</u> 39	<u>2.45</u> 39	<u>2.57</u> 39	<u>2.70</u> 39	A85201C2207	A85203C2207
	<b>Tan</b> 30 Drill .117" 11809830	64-97	<u>1.97</u> 36	<u>2.17</u> 38	<u>2.35</u> 39	<u>2.53</u> 40	<u>2.67</u> 41	<u>2.81</u> 41	<u>2.95</u> 41	<u>3.09</u> 42	A85201C2230	A85203C2230
	<b>Red</b> 1/8" .125" 11809808	67-100	<u>2.24</u> 36	<u>2.50</u> 39	<u>2.70</u> 40	<u>2.89</u> 41	<u>3.07</u> 41	<u>3.20</u> 43	<u>3.36</u> 43	<u>3.52</u> 44	A85201C2208	A85203C2208
	<b>Black</b> 29 Drill .133" 11809829	74-120	<u>2.52</u> 38	<u>2.81</u> 41	<u>3.03</u> 42	<u>3.25</u> 42	<u>3.45</u> 43	<u>3.60</u> 44	<u>3.75</u> 44	<u>3.88</u> 44	A85201C2229	A85203C2229
	<b>Silver</b> 9/64" .143" 11809809	72-102	<u>2.93</u> 39	<u>3.27</u> 40	<u>3.53</u> 43	<u>3.78</u> 44	<u>4.02</u> 45				A85201C2209	A85203C2209

Note: Sprinkler riser must be stable in order to achieve stated sprinkler performance.  
Performance data is based on a 12 inch riser. Not all combinations are reflected in the table above.

LF2400 118572													
Deflector	Nozzle	Stream Height (cm)	Flow Rates at Standard Pressures (lph)									Fully Assembled Part Number	
			Throw Radius at Given Nozzle and Standard Pressure (m)									NPT	ACME
			1.7 bar 25psi	2.1 bar 30psi	2.4 bar 35psi	2.8 bar 40psi	3.1 bar 45psi	3.5 bar 50psi	3.8 bar 55psi	4.2 bar 60psi			
<b>10 Degree Lime</b> 118599 	<b>Green</b> 7/64" 2.76mm 11809807	50-96	384 8.1	420 8.7	454 9.0	488 9.6	518 9.9	556 10.2	584 10.2	613 10.5	A85201C1007	A85203C1007	
	<b>Tan</b> 30 Drill 2.97mm 11809830	60-96	447 8.7	493 9.0	534 9.6	575 9.9	606 10.2	638 10.5	670 10.5	702 10.8	A85201C1030	A85203C1030	
	<b>Red</b> 1/8" 3.18mm 11809808	60-104	509 9.0	568 9.6	613 9.9	656 10.2	697 10.5	727 10.8	763 10.8	799 10.8*	A85201C1008	A85203C1008	
	<b>Black</b> 29 Drill 3.38mm 11809829	76-121	572 9.0	638 9.6	688 9.9	738 10.5	784 10.5	818 10.8	852 10.8	881 11.1	A85201C1029	A85203C1029	
	<b>Silver</b> 9/64" 3.63mm 11809809	81-111	665 9.6	743 10.2	802 10.5	858 10.8	913 11.1					A85201C1009	A85203C1009
<b>13 Degree Maroon</b> 118600 	<b>Green</b> 7/64" 2.76mm 11809807	71-127	384 9.0	420 9.3	454 9.6	488 9.9	518 10.2	556 10.2	584 10.5	613 10.5	A85201C1307	A85203C1307	
	<b>Tan</b> 30 Drill 2.97mm 11809830	76-121	447 9.3	493 9.6	534 9.9	575 10.8	606 10.5	638 10.8	670 10.8	702 10.8	A85201C1330	A85203C1330	
	<b>Red</b> 1/8" 3.18mm 11809808	81-124	509 9.3	568 9.9	613 10.2	656 10.5	697 10.8	727 11.1	763 11.4	799 11.1	A85201C1308	A85203C1308	
	<b>Black</b> 29 Drill 3.38mm 11809829	86-127	572 9.6	638 9.9	688 10.2	738 10.5	784 10.8	818 10.8	852 11.1	881 11.1	A85201C1329	A85203C1329	
	<b>Silver</b> 9/64" 3.63mm 11809809	96-137	665 9.9	743 10.8	802 11.1	858 11.4	913 11.7					A85201C1309	A85203C1309
<b>15 Degree Tangerine</b> 118583 	<b>Green</b> 7/64" 2.76mm 11809807	81-127	384 9.3	420 9.6	454 9.9	488 10.2	518 10.5	556 10.5	584 10.8	613 11.1	A85201C1507	A85203C1507	
	<b>Tan</b> 30 Drill 2.97mm 11809830	71-127	447 9.0	493 9.9	534 10.2	575 10.8	606 10.8	638 10.8	670 11.1	702 11.1	A85201C1530	A85203C1530	
	<b>Red</b> 1/8" 3.18mm 11809808	88-137	509 9.6	568 10.2	613 10.5	656 11.1	697 11.1	727 11.1	763 11.1	799 11.1	A85201C1508	A85203C1508	
	<b>Black</b> 29 Drill 3.38mm 11809829	101-170	572 9.6	638 10.8	688 11.1	738 11.4	784 11.4	818 11.7	852 11.7	881 12.0	A85201C1529	A85203C1529	
	<b>Silver</b> 9/64" 3.63mm 11809809	106-144	665 10.2	743 10.8	802 11.1	858 11.7	913 11.7					A85201C1509	A85203C1509
<b>22 Degree Dark Green</b> 118585 	<b>Green</b> 7/64" 2.76mm 11809807	160-241	384 10.8	420 11.4	454 11.4	488 11.4	518 11.7	556 11.7	584 11.7	613 11.7	A85201C2207	A85203C2207	
	<b>Tan</b> 30 Drill 2.97mm 11809830	162-246	447 10.8	493 11.4	534 11.7	575 12.0	606 12.3	638 12.3	670 12.3*	702 12.6	A85201C2230	A85203C2230	
	<b>Red</b> 1/8" 3.18mm 11809808	170-254	509 10.8	568 11.7	613 12.0	656 12.3	697 12.3	727 12.9	763 12.9	799 13.2	A85201C2208	A85203C2208	
	<b>Black</b> 29 Drill 3.38mm 11809829	187-304	572 11.4	638 12.3	688 12.6	738 12.6	784 12.9	818 13.2	852 13.2	881 13.2	A85201C2229	A85203C2229	
	<b>Silver</b> 9/64" 3.63mm 11809809	182-259	665 11.7	743 12.0	802 12.9	858 13.2	913 13.5					A85201C2209	A85203C2209

Note: Sprinkler riser must be stable in order to achieve stated sprinkler performance.  
Performance data is based on a 30cm riser. Not all combinations are reflected in the table above. \* Estimated - based on results of similar pressures.



**Simple 4-Piece Assembly**

- Deflector**
- LF Drive Unit** 800, 1200, 2400 models available
- LF Body**  
1/2", Acme, or Acme Anti-Theft models available
- Nozzle**

**Optional Accessories and Part Numbers**

- Acme x 1/2" Male NPT Adapter** PN: 118292
- Acme x Female Slip Adapter**  
1/2" x 3/4" Socket-Gray PN: 118328  
1/2" x 25mm Socket-White PN: 118293
- Edge Guard** PN: 118366
- Splash Guard** PN: 118337
- Stream Splitter/Tree Trunk Guard** PN: 118259

Find the best combination for your spacings by using Rain Bird's  
Uniformity Pro™ software at [www.rainbird.com/ag](http://www.rainbird.com/ag)

Part Numbers & Description	
<b>LF Body &amp; Drive Unassembled</b>	
A85100	LF800, NPT Body and Drive Unassembled
A85000	LF1200, NPT Body and Drive Unassembled
A85200	LF2400, NPT Body and Drive Unassembled
A85100AT	LF800, ACME Thread, Anti-Theft Body & Drive Unassembled
A85000AT	LF1200, ACME Thread, Anti-Theft Body & Drive Unassembled
A85200AT	LF2400, ACME Thread, Anti-Theft Body & Drive Unassembled
<b>LF Bodies</b>	
118134	LF NPT Body
118311	LF ACME Body (no screws)
118310	LF Anti-theft ACME Body (with screws)
118307	LF Anti-theft horizontal top screw
118308	LF Anti-theft vertical bottom screw
118317	LF Anti-theft screwdriver