

Part-Circle LDN[®]

The heavy-duty low-drift nozzle with a directional pattern

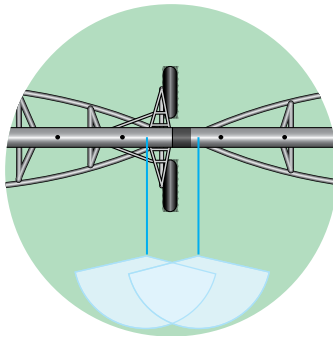
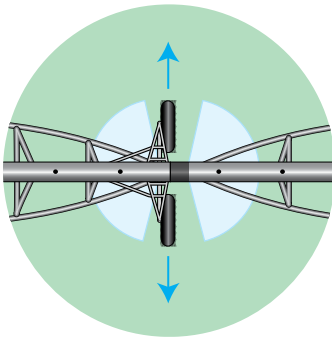
The new Part-Circle LDN is specially designed to help center pivot operators manage the difficult-to-irrigate areas near towers. The Part-Circle LDN distributes water away from wheel tracks and minimizes rutting. Part-Circle LDNs can be used in conjunction with standard full circle LDNs or other Senninger sprinklers on the remainder of the machine.



Part-Circle LDN Pad

Features

- Bi-directional flow
- Makes changing or cleaning sprinklers and spray nozzles easy while system is operating
- Distributes water in a 170-degree pattern
- Binds water into 17 discreet streams for minimum evaporative loss
- Maximum radius of throw
- 10-degree trajectory
- Fits on standard LDN base, nozzle and cage
- Available for nozzle sizes 6-18



The Part-Circle LDN distributes water away from wheel tracks. (For use on rigid drops.)



LDN - Part-Circle performance data

U.S. Data Sprinkler base pressure [psi]				Metric Data [bar]			
	6	10	15		0.41	0.69	1.04
#6 Nozzle - Gold [3/32"]				#6 Nozzle - Gold [2.38mm]			
Flow [gpm]	0.64	0.82	0.98	Flow [L/s]	0.04	0.05	0.06
Radius @ 1.5 ft. [ft.]	7.0	9.5	12.5	Radius @ 0.46 m [m]	2.1	2.9	3.8
Radius @ 3 ft. [ft.]	8.5	11.0	14.0	Radius @ 0.91 m [m]	2.6	3.4	4.3
Radius @ 6 ft. [ft.]	10.5	13.0	15.5	Radius @ 1.83 m [m]	3.2	4.0	4.7
Radius @ 9 ft. [ft.]	12.0	15.0	17.0	Radius @ 2.75 m [m]	3.7	4.6	5.2
#8 Nozzle - Lavender [1/8"]				#8 Nozzle - Lavender [3.18mm]			
Flow [gpm]	1.12	1.45	1.73	Flow [L/s]	0.07	0.09	0.11
Radius @ 1.5 ft. [ft.]	9.5	12.0	15.0	Radius @ 0.46 m [m]	2.9	3.7	4.6
Radius @ 3 ft. [ft.]	11.0	14.0	18.0	Radius @ 0.91 m [m]	3.4	4.3	5.5
Radius @ 6 ft. [ft.]	13.0	16.5	20.0	Radius @ 1.83 m [m]	4.0	5.0	6.1
Radius @ 9 ft. [ft.]	14.0	19.0	22.0	Radius @ 2.75 m [m]	4.3	5.8	6.7
#10 Nozzle - Turquoise [5/32"]				#10 Nozzle - Turquoise [3.97mm]			
Flow [gpm]	1.74	2.25	2.96	Flow [L/s]	0.11	0.14	0.19
Radius @ 1.5 ft. [ft.]	10.5	14.0	17.0	Radius @ 0.46 m [m]	3.2	4.3	5.2
Radius @ 3 ft. [ft.]	13.0	15.5	19.5	Radius @ 0.91 m [m]	4.0	4.7	5.9
Radius @ 6 ft. [ft.]	14.5	18.0	22.0	Radius @ 1.83 m [m]	4.4	5.5	6.7
Radius @ 9 ft. [ft.]	16.0	21.0	24.0	Radius @ 2.75 m [m]	4.9	6.4	7.3
#12 Nozzle - Red [3/16"]				#12 Nozzle - Red [4.76mm]			
Flow [gpm]	2.45	3.16	3.81	Flow [L/s]	0.15	0.20	0.24
Radius @ 1.5 ft. [ft.]	11.0	14.5	18.5	Radius @ 0.46 m [m]	3.4	4.4	5.6
Radius @ 3 ft. [ft.]	13.5	16.5	21.0	Radius @ 0.91 m [m]	4.1	5.0	6.4
Radius @ 6 ft. [ft.]	15.5	19.0	23.5	Radius @ 1.83 m [m]	4.7	5.8	7.2
Radius @ 9 ft. [ft.]	17.0	22.0	26.0	Radius @ 2.75 m [m]	5.2	6.7	7.9
#14 Nozzle - Blue [7/32"]				#14 Nozzle - Blue [5.56mm]			
Flow [gpm]	3.40	4.39	5.24	Flow [L/s]	0.21	0.28	0.33
Radius @ 1.5 ft. [ft.]	11.5	15.0	19.0	Radius @ 0.46 m [m]	3.5	4.6	5.8
Radius @ 3 ft. [ft.]	14.0	17.0	22.5	Radius @ 0.91 m [m]	4.3	5.2	6.9
Radius @ 6 ft. [ft.]	16.0	20.0	25.5	Radius @ 1.83 m [m]	4.9	6.1	7.8
Radius @ 9 ft. [ft.]	18.0	23.0	28.5	Radius @ 2.75 m [m]	5.5	7.0	8.7
#16 Nozzle - Orange [1/4"]				#16 Nozzle - Orange [6.35mm]			
Flow [gpm]	4.48	5.79	6.91	Flow [L/s]	0.28	0.36	0.44
Radius @ 1.5 ft. [ft.]	12.0	15.5	19.5	Radius @ 0.46 m [m]	3.7	4.7	5.9
Radius @ 3 ft. [ft.]	14.5	17.5	23.5	Radius @ 0.91 m [m]	4.4	5.3	7.2
Radius @ 6 ft. [ft.]	16.5	21.0	26.5	Radius @ 1.83 m [m]	5.0	6.4	8.1
Radius @ 9 ft. [ft.]	18.5	24.0	29.5	Radius @ 2.75 m [m]	5.6	7.3	9.0
#18 Nozzle - Purple [9/32"]				#18 Nozzle - Purple [7.14mm]			
Flow [gpm]	5.62	7.25	8.65	Flow [L/s]	0.35	0.46	0.54
Radius @ 1.5 ft. [ft.]	12.5	16.0	20.0	Radius @ 0.46 m [m]	3.8	4.9	6.1
Radius @ 3 ft. [ft.]	15.0	18.0	24.5	Radius @ 0.91 m [m]	4.6	5.5	7.5
Radius @ 6 ft. [ft.]	17.0	21.5	27.5	Radius @ 1.83 m [m]	5.2	6.6	8.4
Radius @ 9 ft. [ft.]	19.0	25.0	30.5	Radius @ 2.75 m [m]	5.8	7.6	9.3

Sprinkler performance may vary with actual field conditions. Other nozzle sizes available. Consult factory for specific performance data.