

# ArcLine Outdoor Optic (Colour) <sup>tm</sup>



Client: \_\_\_\_\_

Project: \_\_\_\_\_

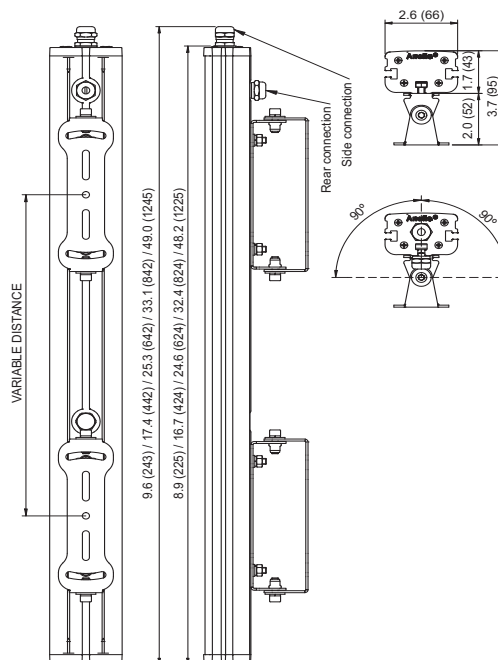
Specifier: \_\_\_\_\_

Type: \_\_\_\_\_ Qty: \_\_\_\_\_

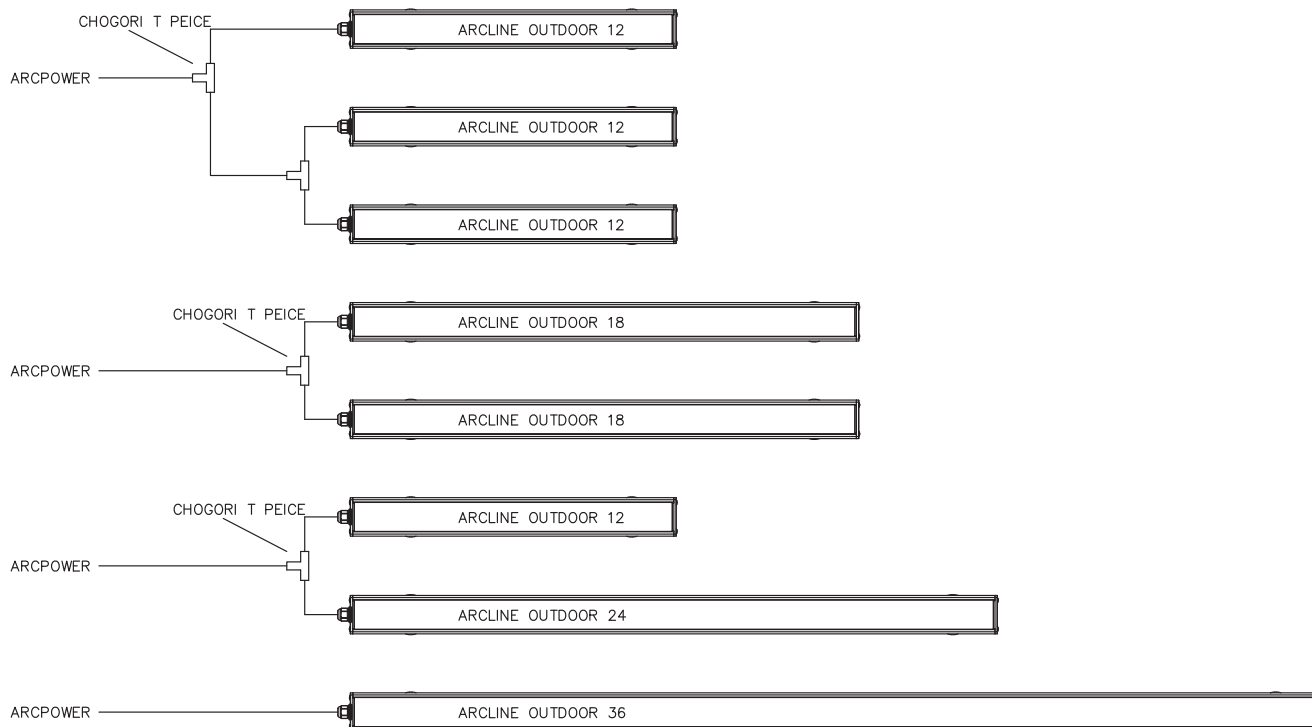


**FEATURES:**

- Input Voltage: 48V DC Via ArcPower Range
- Power consumption: 6.8W, 13,6W, 20.4W, 27.2W, 40.8W
- Light Source: 6, 12, 18, 24, 36
- Delivered Lumen: Range of 266 - 1738lm
- Projected LED Life: 50,000 Hrs
- Lumen Output Per Foot: 434lm (RGB)
- Control: DMX Controller
- Housing: Extruded Aluminium - Glass Cover
- Fixing Method: Mounting Brackets
- IP Rating: IP65
- Operating Ambient Temp: -20°C/+40°C [ -4°F/+104°F ]
- Certification: ETL / cETL, CE, RoHS
- 5 Year Warranty

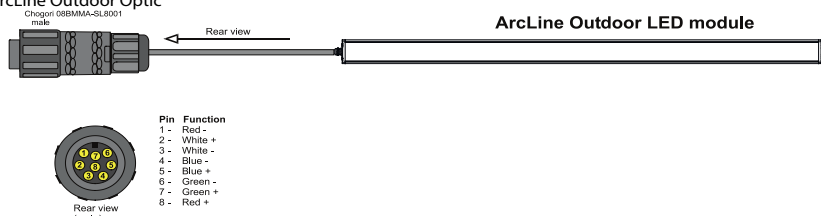


## Connection Scheme:

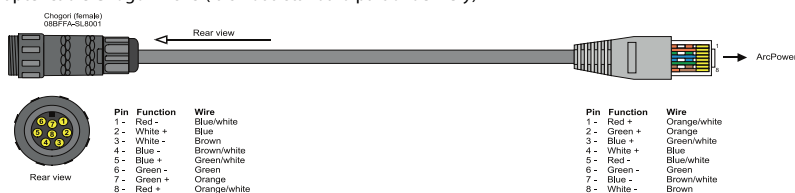


OTHER CONFIGURATIONS ARE POSSIBLE AS LONG AS THE NUMBER OF LEDS DOES NOT EXCEED 36 PER OUTPUT OF DRIVER

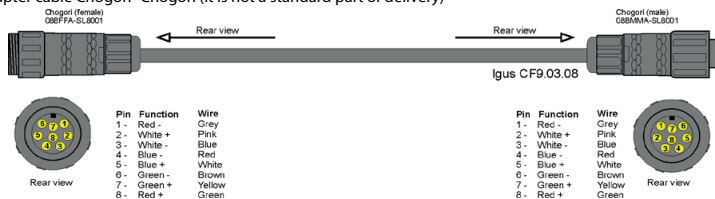
### 1. ArcLine Outdoor Optic



### 2. Adapter cable Chogori -RJ45 (it is not a standard part of delivery)



### 3. Adapter cable Chogori -Chogori (it is not a standard part of delivery)



## Accessories:



Shield ArcLine Outdoor 1200mm



Shield ArcLine Outdoor 800mm



Shield ArcLine Outdoor 600mm

Extension Cable CGR8-F / RJ45, L0.25m  
 Extension Cable CGR8-F / RJ45, L3m  
 Extension Cable CGR8-F / RJ45, L7m  
 Extension Cable CGR8-F / RJ45, L15m  
 Extension Cable CGR8-F / RJ45, L20m  
 other lengths on request



Extension Cable CGR8-F / M, L1m  
 Extension Cable CGR8-F / M, L3m  
 Extension Cable CGR8-F / M, L7m  
 Extension Cable CGR8-F / M, L10m  
 Extension Cable CGR8-F / M, L20m  
 other lengths on request



Connector CGRBDU-08BFFA-SL8001



Connector CGRBDU-08BMMA-SL8001



T-Connector Chogori, 8-Pin, Screw



Connector Waterproof cap  
(Fits Above Connecotr)



Connector Waterproof cap  
(Fits Above Connecotr)

## Product Specification:

Electrical	Input Voltage		48V DC
	Power Consumption		6.8W, 13.6W, 20.4W, 27.2W, 40.8W
Optical	Light Source	RGBW	6, 12, 18, 24, 36, x High Power LEDs W = WW-3200K or CW-6500K
		RGB	
		R	
		G	
		B	
		A	
	LED Channel	Red / Green / Blue / White, Red, Amber, Green, Blue	
Beam Angle	12°, 25°, 31°, 47°x11°		
Projected Lumen Maintenance	50,000 hrs ( L70@ 25°C / 77°F)		
Control	Wireless DMX (Optional Accessory)		N/A
	Control System		Anolis Lighting Controls or any Third Party DMX512 Controllers
	Power Supply		ArcPower Range
	Stand Alone Control		N/A
Physical	Width x Height x Depth	Inches	9.53, 17.33, 26.2, 33.2, 48.9 x 3.75 x 2.6
		mm	242, 440, 665, 843, 1241, x 95 x 68
	Weight	lbs	0.66, 1.32, 1.76, 2.2, 3.3
		kg	0.3, 0.6, 0.8, 1, 1.5
	Housing		Extruded Aluminium Glass cover
	Fixture Cable and Connections		LiYY 8xAWG22 - 0.5m (1.64ft) - Chogori IP68 Connector
	Fixing Method		Mounting Brackets
	Adjustability		+/-90°
	IP Rating		IP65
	IK Rating		IK07
	Cooling system		Convection
	Operating Ambient Temperature		-20°C / +40°C (-4°F / +104°F )
	Operating Temperature		+50°C @ Ambient +40°C (+122°F @ Ambient +104°F )
Certification	Listings		ETL / cETL, CE, RoHS

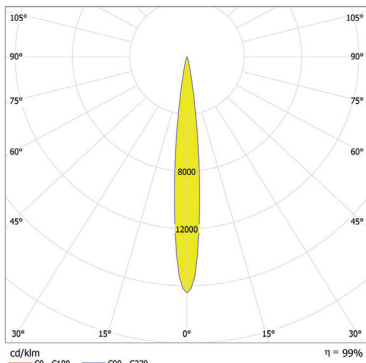
Note: RGBW configuration only available on ArcLine 12,24 and 36  
Subject to change without notice - please contact Anolis for clarification

Accessories	Description
	Allen Key (Included)
	Connector Chogori CGRBDU-08BFFA (Female) IP68 (Included)
	Connector Chogori CGRBDU-08BMMA (Male) IP68
	Connector Chogori T Piece
	Connector Waterproof Cap (Male)
	Cable Chogori (Female) - RJ45 3m
	Cable Chogori (Female) - RJ45 7m
	Cable Chogori (Female) - RJ45 15m
	Cable Chogori (Female) - RJ45 20m
	<i>other lengths on request</i>



Photometric Data:

ArcLine Outdoor Optic 6 RGB - 12°

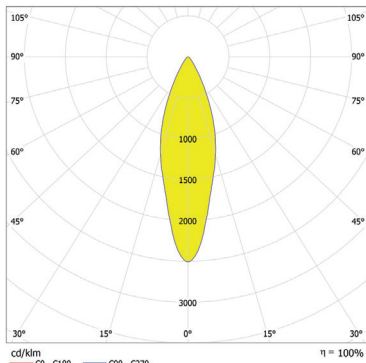


Distance [m]	Cone Diameter [m]	E(0°) [lx]	E(C90) [lx]
0.5	0.10	19130	9566
1.0	0.21	4783	2391
1.5	0.31	2126	1063
2.0	0.41	1194	598
2.5	0.52	765	383
3.0	0.62	531	266

Distance [m] Cone Diameter [m] Illuminance [lx]  
 C0 - C180 (Half-value Angle: 11.8°)

Total Luminous Flux: 290lm

ArcLine Outdoor Optic 6 RGB - 31°

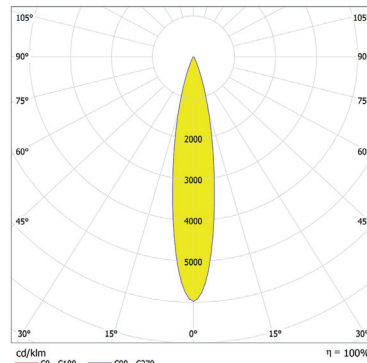


Distance [m]	Cone Diameter [m]	E(0°) [lx]	E(C90) [lx]
0.5	0.28	2710	1214
1.0	0.55	678	303
1.5	0.83	301	135
2.0	1.11	169	76
2.5	1.39	108	49
3.0	1.66	75	34

Distance [m] Cone Diameter [m] Illuminance [lx]  
 C0 - C180 (Half-value Angle: 31.0°)

Total Luminous Flux: 279lm

ArcLine Outdoor Optic 6 RGB - 19°

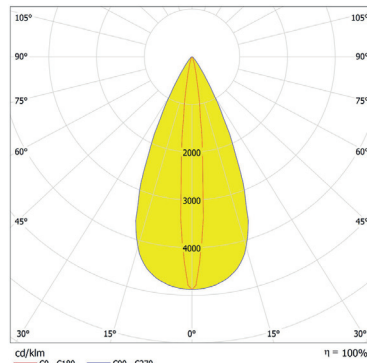


Distance [m]	Cone Diameter [m]	E(0°) [lx]	E(C90) [lx]
0.5	0.17	6576	3163
1.0	0.34	1644	791
1.5	0.51	731	351
2.0	0.68	411	198
2.5	0.85	263	127
3.0	1.03	183	88

Distance [m] Cone Diameter [m] Illuminance [lx]  
 C0 - C180 (Half-value Angle: 19.4°)

Total Luminous Flux: 275lm

ArcLine Outdoor Optic 6 RGB - 47°x11°



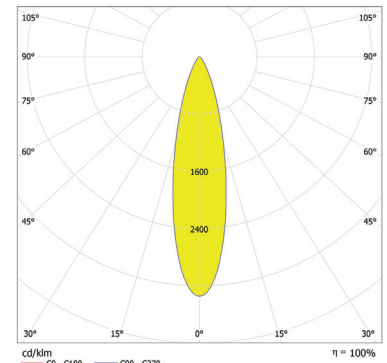
Distance [m]	Cone Diameter [m]	E(0°) [lx]	E(C90) [lx]	E(C270) [lx]
0.5	0.43	5284	2065	2632
1.0	0.86	1321	516	658
1.5	1.29	587	229	292
2.0	1.72	330	129	165
2.5	2.15	211	83	105
3.0	2.58	147	57	73

Distance [m] Cone Diameter [m] Illuminance [lx]  
 C0 - C180 (Half-value Angle: 10.5°)  
 C90 - C270 (Half-value Angle: 46.6°)

Total Luminous Flux: 271lm

For foot Candles divide lux by 10.7

ArcLine Outdoor Optic 6 RGB - 25°



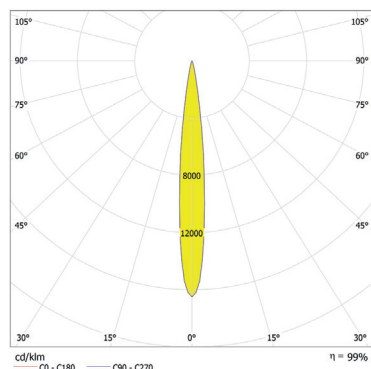
Distance [m]	Cone Diameter [m]	E(0°) [lx]	E(C90) [lx]
0.5	0.22	3560	1663
1.0	0.45	890	416
1.5	0.67	396	185
2.0	0.89	222	104
2.5	1.12	142	67
3.0	1.34	99	46

Distance [m] Cone Diameter [m] Illuminance [lx]  
 C0 - C180 (Half-value Angle: 25.2°)

Total Luminous Flux: 266lm

## Photometric Data:

ArcLine Outdoor Optic 12 RGB - 12°

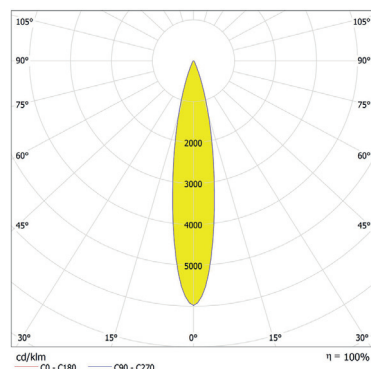


Distance [m]	Cone Diameter [m]	E(0°) E(CD)	E(5.9°) E(CD)	Illuminance [lx]
0.5	0.10	38194 19098	5.9°	
1.0	0.21	9549 4775	5.9°	
1.5	0.31	4244 2122	5.9°	
2.0	0.41	2387 1194	5.9°	
2.5	0.52	1528 764	5.9°	
3.0	0.62	1061 531	5.9°	

Distance [m] Cone Diameter [m] Illuminance [lx]  
 — C0 - C180 (Half-value Angle: 11.8°)

Total Luminous Flux: 579lm

ArcLine Outdoor Optic 12 RGB - 19°



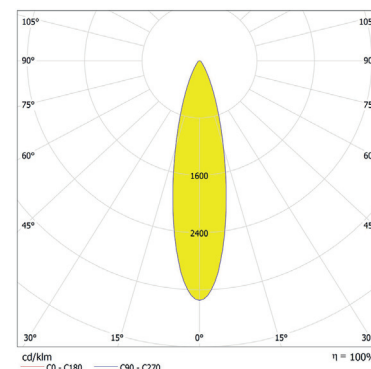
Distance [m]	Cone Diameter [m]	E(0°) E(CD)	E(9.7°) E(CD)	Illuminance [lx]
0.5	0.17	13177 6338	9.7°	
1.0	0.34	3294 1698	9.7°	
1.5	0.51	1464 704	9.7°	
2.0	0.68	824 396	9.7°	
2.5	0.85	527 254	9.7°	
3.0	1.03	366 176	9.7°	

Distance [m] Cone Diameter [m] Illuminance [lx]  
 — C0 - C180 (Half-value Angle: 19.4°)

Total Luminous Flux: 551lm

For foot Candles divide lux by 10.7

ArcLine Outdoor Optic 12 RGB - 25°

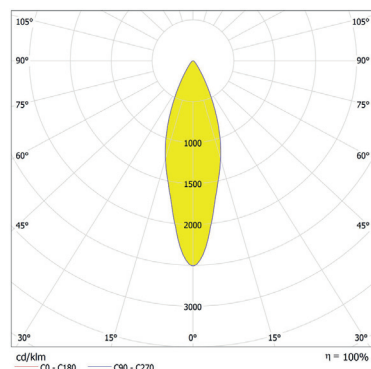


Distance [m]	Cone Diameter [m]	E(0°) E(CD)	E(12.6°) E(CD)	Illuminance [lx]
0.5	0.22	7120 3326	12.6°	
1.0	0.45	1780 832	12.6°	
1.5	0.67	791 370	12.6°	
2.0	0.89	445 208	12.6°	
2.5	1.12	285 133	12.6°	
3.0	1.34	198 92	12.6°	

Distance [m] Cone Diameter [m] Illuminance [lx]  
 — C0 - C180 (Half-value Angle: 25.2°)

Total Luminous Flux: 532lm

ArcLine Outdoor Optic 12 RGB - 31°

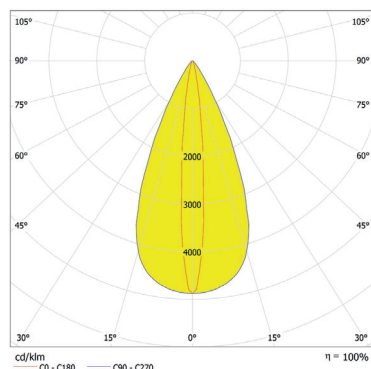


Distance [m]	Cone Diameter [m]	E(0°) E(CD)	E(15.5°) E(CD)	Illuminance [lx]
0.5	0.28	9420 4420	15.5°	
1.0	0.55	2355 1135	15.5°	
1.5	0.83	1560 757	15.5°	
2.0	1.11	1100 526	15.5°	
2.5	1.39	770 370	15.5°	
3.0	1.66	550 265	15.5°	

Distance [m] Cone Diameter [m] Illuminance [lx]  
 — C0 - C180 (Half-value Angle: 31.0°)

Total Luminous Flux: 540lm

ArcLine Outdoor Optic 12 RGB - 47°x11°



Distance [m]	Cone Diameter [m]	E(0°) E(CD)	E(23.3°) E(CD)	E(5.3°) E(CD)	Illuminance [lx]
0.5	0.43 0.09	19568 4120	23.3° 5.3°	5265	
1.0	0.86 0.19	4892 1033	23.3° 5.3°	1316	
1.5	1.29 0.28	3261 688	23.3° 5.3°	877	
2.0	1.72 0.37	2446 516	23.3° 5.3°	658	
2.5	2.15 0.46	1938 412	23.3° 5.3°	516	
3.0	2.58 0.56	1564 344	23.3° 5.3°	412	

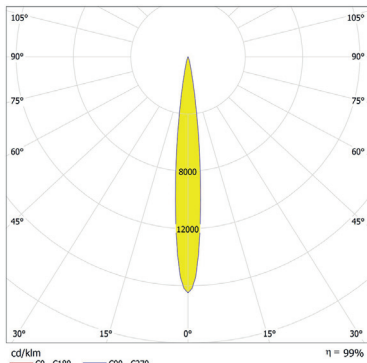
Distance [m] Cone Diameter [m] Illuminance [lx]  
 — C0 - C180 (Half-value Angle: 46.6°)  
 — C90 - C270 (Half-value Angle: 11.0°)

Total Luminous Flux: 542lm

Photometric Data:

For foot Candles divide lux by 10.7

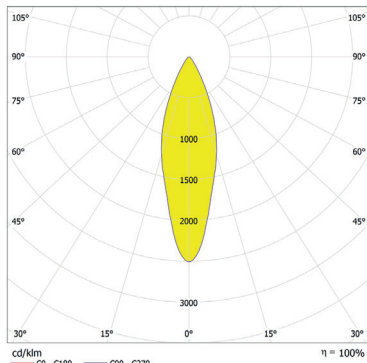
ArcLine Outdoor Optic 18 RGB - 12°



Distance [m]	Cone Diameter [m]	E(0°)	E(C0)	E(5.9°)	E(C270)	η
0.5	0.10	57324	5.9°	28664		99%
1.0	0.21	14331	5.9°	7166		
1.5	0.31	6369	5.9°	3185		
2.0	0.41	3583	5.9°	1791		
2.5	0.52	2293	5.9°	1147		
3.0	0.62	1592	5.9°	796		

Total Luminous Flux: 869lm

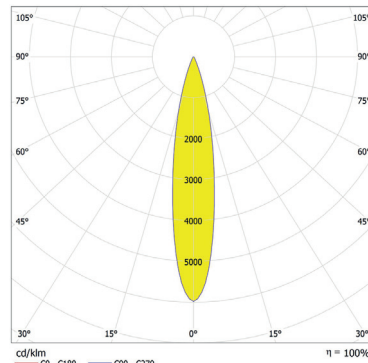
ArcLine Outdoor Optic 18 RGB - 31°



Distance [m]	Cone Diameter [m]	E(0°)	E(C0)	E(15.5°)	E(C270)	η
0.5	0.28	9130	15.5°	3641		100%
1.0	0.55	2033	15.5°	910		
1.5	0.83	903	15.5°	405		
2.0	1.11	508	15.5°	228		
2.5	1.39	325	15.5°	146		
3.0	1.66	226	15.5°	101		

Total Luminous Flux: 810lm

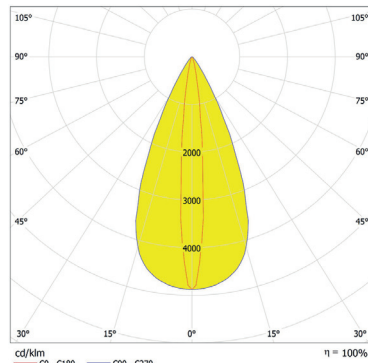
ArcLine Outdoor Optic 18 RGB - 19°



Distance [m]	Cone Diameter [m]	E(0°)	E(C0)	E(9.7°)	E(C270)	η
0.5	0.17	19777	9.7°	9512		100%
1.0	0.34	4944	9.7°	2378		
1.5	0.51	2197	9.7°	1057		
2.0	0.68	1236	9.7°	595		
2.5	0.85	791	9.7°	380		
3.0	1.03	549	9.7°	264		

Total Luminous Flux: 827lm

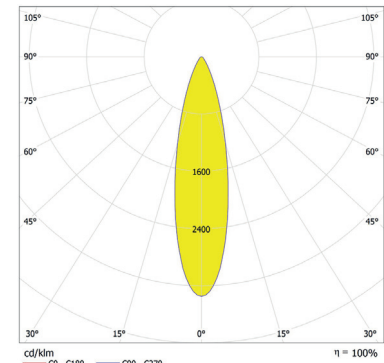
ArcLine Outdoor Optic 18 RGB - 47°x11°



Distance [m]	Cone Diameter [m]	E(0°)	E(C0)	E(23.3°)	E(C270)	η
0.5	0.43	15882	23.3°	6195	5.3°	7897
1.0	0.86	3963	23.3°	1549	5.3°	1974
1.5	1.29	2661	23.3°	1033	5.3°	1316
2.0	1.72	1981	23.3°	767	5.3°	972
2.5	2.15	1566	23.3°	598	5.3°	748
3.0	2.58	1122	23.3°	427	5.3°	534

Total Luminous Flux: 813lm

ArcLine Outdoor Optic 18 RGB - 25°

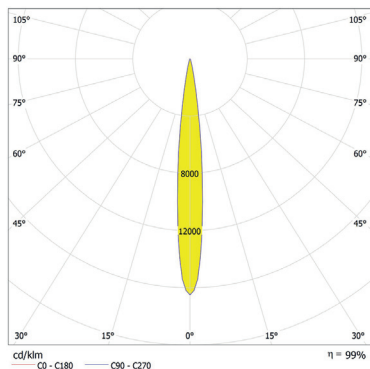


Distance [m]	Cone Diameter [m]	E(0°)	E(C0)	E(12.6°)	E(C270)	η
0.5	0.22	10693	12.6°	4996		100%
1.0	0.45	2673	12.6°	1249		
1.5	0.67	1188	12.6°	555		
2.0	0.89	688	12.6°	312		
2.5	1.12	428	12.6°	200		
3.0	1.34	297	12.6°	139		

Total Luminous Flux: 799lm

## Photometric Data:

ArcLine Outdoor Optic 24 RGB - 12°

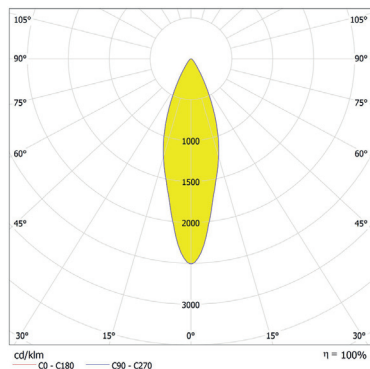


Distance [m]	Cone Diameter [m]	E(0°) E(C0)	E(5.9°) E(C270)
0.5	0.10	76389 38196	
1.0	0.21	19097 9549	
1.5	0.31	8488 4244	
2.0	0.41	4774 2387	
2.5	0.52	3056 1528	
3.0	0.62	2122 1061	

Distance [m] Cone Diameter [m]  
C0 - C180 (Half-value Angle: 11.8°)  
Illuminance [lx]

Total Luminous Flux: 1158lm

ArcLine Outdoor Optic 24 RGB - 31°

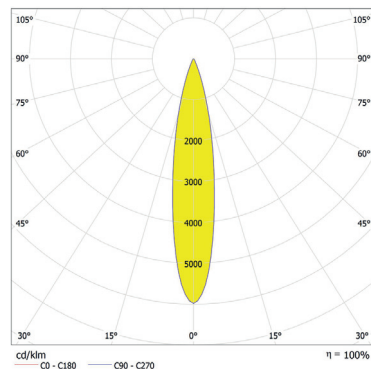


Distance [m]	Cone Diameter [m]	E(0°) E(C0)	E(15.5°) E(C270)
0.5	0.28	10940 4855	
1.0	0.55	2710 1214	
1.5	0.83	1204 539	
2.0	1.11	678 303	
2.5	1.39	434 191	
3.0	1.66	301 135	

Distance [m] Cone Diameter [m]  
C0 - C180 (Half-value Angle: 31.0°)  
Illuminance [lx]

Total Luminous Flux: 1080lm

ArcLine Outdoor Optic 24 RGB - 19°

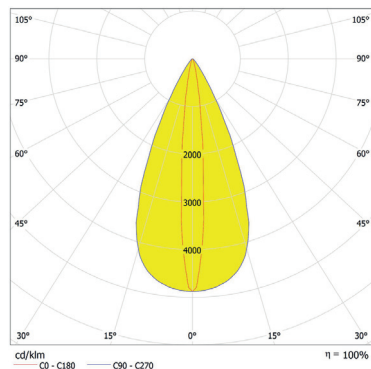


Distance [m]	Cone Diameter [m]	E(0°) E(C0)	E(9.7°) E(C270)
0.5	0.17	26354 12675	
1.0	0.34	6588 3169	
1.5	0.51	2928 1408	
2.0	0.68	1647 792	
2.5	0.85	1054 507	
3.0	1.03	732 352	

Distance [m] Cone Diameter [m]  
C0 - C180 (Half-value Angle: 19.4°)  
Illuminance [lx]

Total Luminous Flux: 1102lm

ArcLine Outdoor Optic 24 RGB - 47°x11°



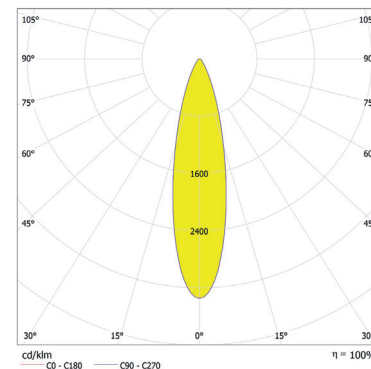
Distance [m]	Cone Diameter [m]	E(0°) E(C0)	E(23.3°) E(C90)	E(5.3°) E(C270)
0.5	0.43 0.09	21135 826	2065 10529	
1.0	0.86 0.19	5284 2065	2065 2632	
1.5	1.29 0.28	2348 918	918 1170	
2.0	1.72 0.37	1321 516	516 668	
2.5	2.15 0.46	845 330	330 423	
3.0	2.58 0.56	587 229	229 292	

Distance [m] Cone Diameter [m]  
C0 - C180 (Half-value Angle: 10.6°)  
C90 - C270 (Half-value Angle: 46.6°)  
Illuminance [lx]

Total Luminous Flux: 1084lm

For foot Candles divide lux by 10.7

ArcLine Outdoor Optic 24 RGB - 25°



Distance [m]	Cone Diameter [m]	E(0°) E(C0)	E(12.6°) E(C270)
0.5	0.22	14253 6699	
1.0	0.45	3563 1665	
1.5	0.67	1584 740	
2.0	0.89	891 416	
2.5	1.12	570 266	
3.0	1.34	396 185	

Distance [m] Cone Diameter [m]  
C0 - C180 (Half-value Angle: 25.2°)  
Illuminance [lx]

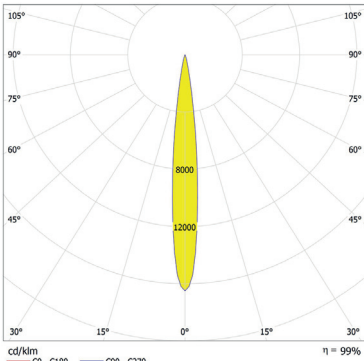
Total Luminous Flux: 1065lm



Photometric Data:

For foot Candles divide lux by 10.7

ArcLine Outdoor Optic 36 RGB - 12°

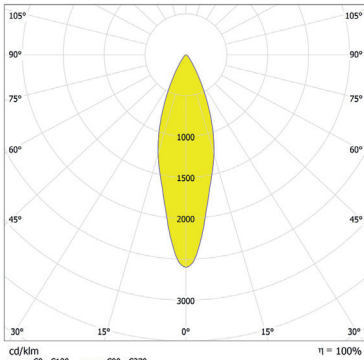


Distance [m]	Cone Diameter [m]	E(0°) [lx]	E(C90) [lx]
0.5	0.10	114649	57208
1.0	0.21	28662	14332
1.5	0.31	12739	6370
2.0	0.41	7166	3583
2.5	0.52	4586	2293
3.0	0.62	3185	1592

η = 99%

Total Luminous Flux: 1738lm

ArcLine Outdoor Optic 36 RGB - 31°

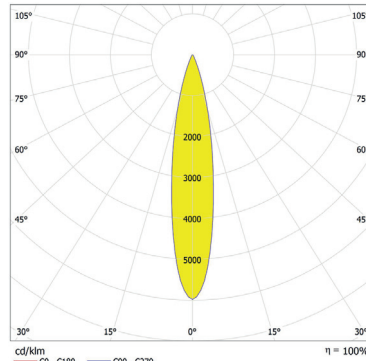


Distance [m]	Cone Diameter [m]	E(0°) [lx]	E(C90) [lx]
0.5	0.27	17304	7811
1.0	0.54	4326	1953
1.5	0.81	1923	866
2.0	1.08	1081	488
2.5	1.35	692	312
3.0	1.62	481	217

η = 100%

Total Luminous Flux: 1664lm

ArcLine Outdoor Optic 36 RGB - 19°

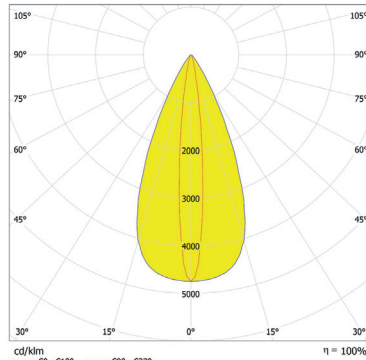


Distance [m]	Cone Diameter [m]	E(0°) [lx]	E(C90) [lx]
0.5	0.17	39554	19625
1.0	0.34	9889	4756
1.5	0.51	4305	2114
2.0	0.68	2472	1189
2.5	0.85	1582	761
3.0	1.03	1099	538

η = 100%

Total Luminous Flux: 1654lm

ArcLine Outdoor Optic 36 RGB - 47°x11°

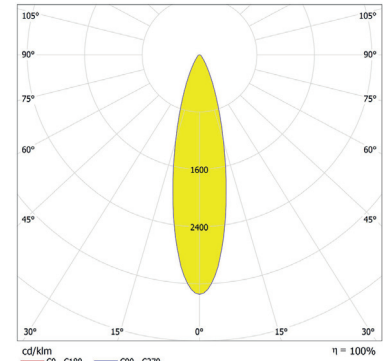


Distance [m]	Cone Diameter [m]	E(0°) [lx]	E(C90) [lx]	E(C11) [lx]
0.5	0.43	32158	14888	15874
1.0	0.86	8039	3732	3969
1.5	1.29	3573	1388	1764
2.0	1.72	2010	780	952
2.5	2.15	1286	500	635
3.0	2.58	893	347	441

η = 100%

Total Luminous Flux: 1694lm

ArcLine Outdoor Optic 36 RGB - 25°



Distance [m]	Cone Diameter [m]	E(0°) [lx]	E(C90) [lx]
0.5	0.22	21386	9991
1.0	0.45	5346	2498
1.5	0.67	2376	1110
2.0	0.89	1337	624
2.5	1.12	855	400
3.0	1.34	594	278

η = 100%

Total Luminous Flux: 1598lm