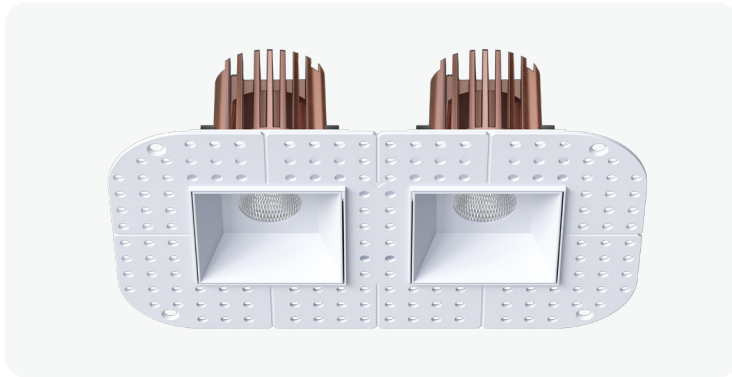
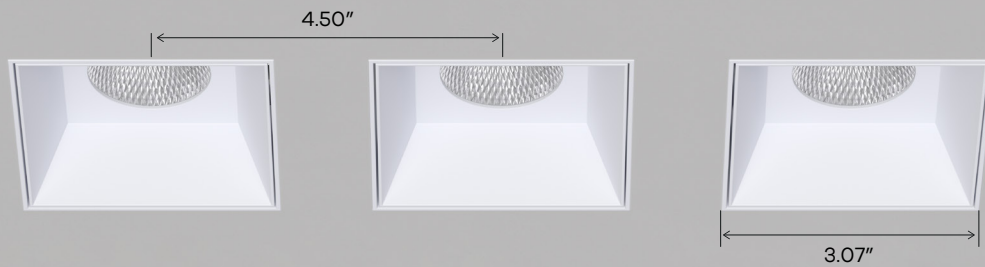




Aster Pro Square Trimless multi aperture edition delivers seamless architectural integration with an exceptional 98 CRI, 1 finishes, 4 trim styles, universal 120/277V dual-voltage capability, and multi-protocol dimming.

Installation / Housing

- New construction / Remodel
- Flat pan Frame / Hanger bar Frame
- Driver is serviceable from below the ceiling for post installation
- Multiple Apertures

Rating and Certifications

- Air Tight Rated
- IC Rated (Selective)
- Wet Location Rated (Module & Trim only)
- Title 24-JA8 Compliant
- ETL Listed
- FCC

Apertures

- 1 through 4 Aperture

Performance

Lumens	Up to 2720 Delivered Lumens
Beam angle	35°, 42°, 53° and 78° beam angle options
CRI	98+

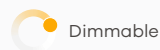
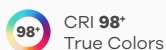
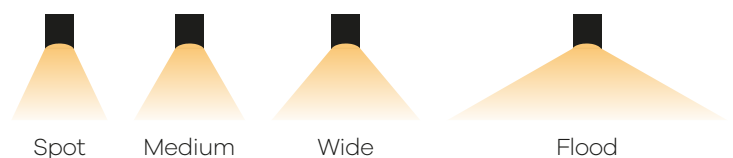
Power Specifications

Input volts	120-277V
Output volts	33-38V
Dimming	Triac Phase / ELV / 0-10V (5%)

Kelvin

- 2700k
- 3000k
- 3500k
- 1800K-3000k Warm Dim

Beam Angle



3" Square Trimless Multi Aperture Architectural Downlight Product Builder

Order Product Number

Example: AP3.OSQTLM/NC/TL/12/27/98/CL/NS/SG/WH

Model	Mounting	Flange Style	Watt
AP3.OSQTLM	NC New construction pan ^{*1}	TL Flangeless – Mud-in	12 12 Watt
	NCB New construction pan with bracket		15 15 Watt
	RM Remodel		28 28 Watt ^{*2}

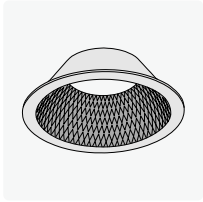
Kelvin	CRI	Optic	Beam
27 2700K	98 CRI 98	CL Clear lens	NS Narrow spot 35°
30 3000K		FR Frost optic ^{*4}	MS Medium spot 42°
35 3500K		SIR Silver reflector ^{*5}	WS Wide spot 53°
DTW Warm dim (1800K - 3000K) ^{*3}			WFL Wide flood spot 78°

Media (optional)	Aperture	Finish
HC Honeycomb	SG Single aperture	WH White
SL Solite	DB Double aperture	
PR Prismatic	TP Triple aperture	
LR Linear	QD Quadruple aperture	
	QDCR Quadruple aperture Crossed	

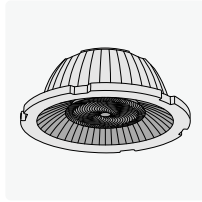
Notes

^{*1} Available for single aperture only^{*2} Not IC (insulation contact) rated.^{*3} Available at 12w or 15W only.^{*4} Available in 78° only.^{*5} Available in 35 or 53° only.

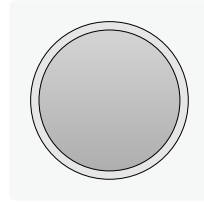
Optic and Media



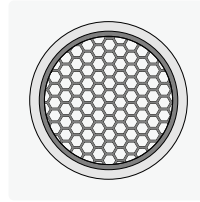
Silver reflector



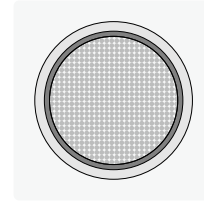
Clear lens



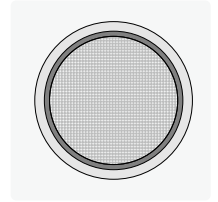
Frost optic



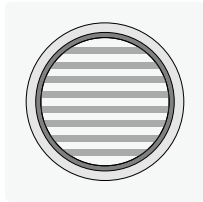
Honeycomb



Solite



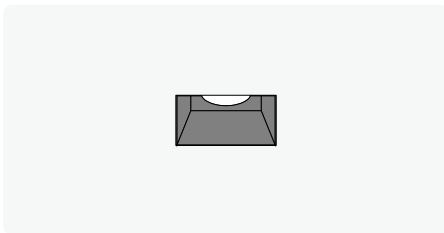
Prismatic



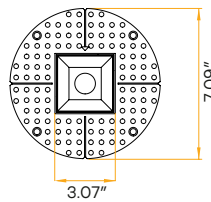
Linear

Trim Options

Note: The aperture dimensions displayed at the single vector applies to all headed options.

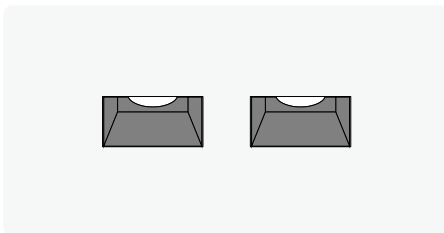
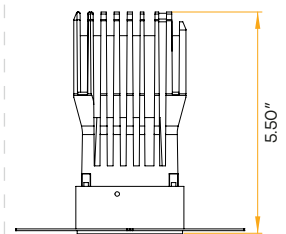
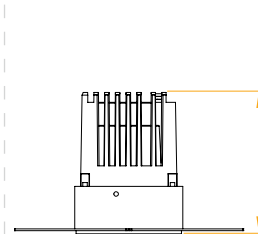


Single aperture

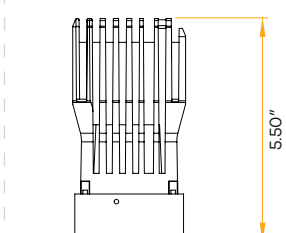
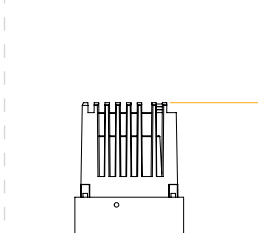
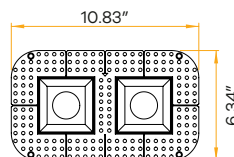


12W

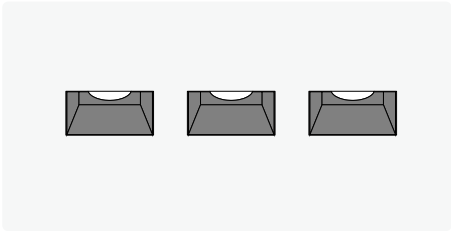
15/28W



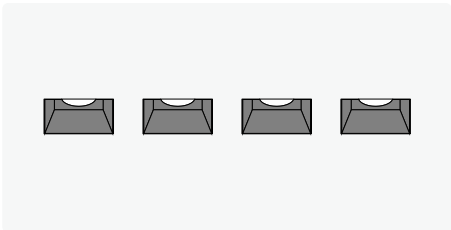
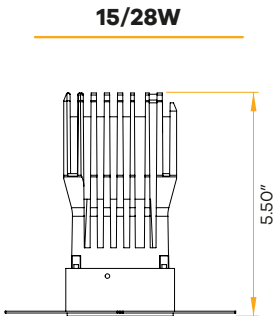
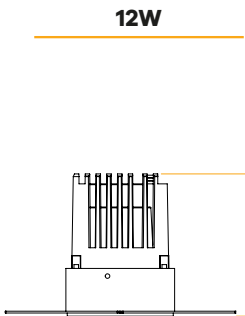
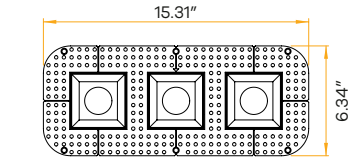
Double aperture



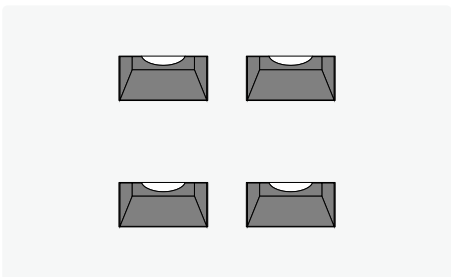
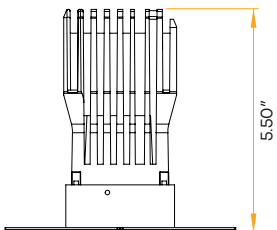
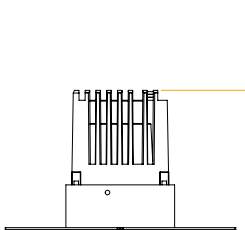
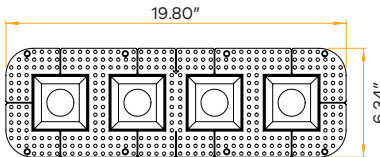
Trim Options



Triple aperture



Quadruple aperture



Quadruple aperture crossed

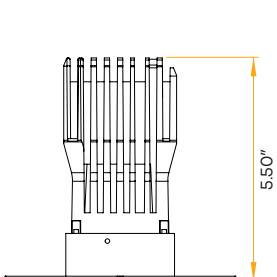
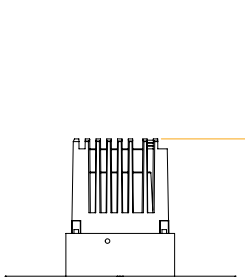
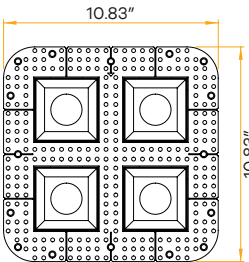
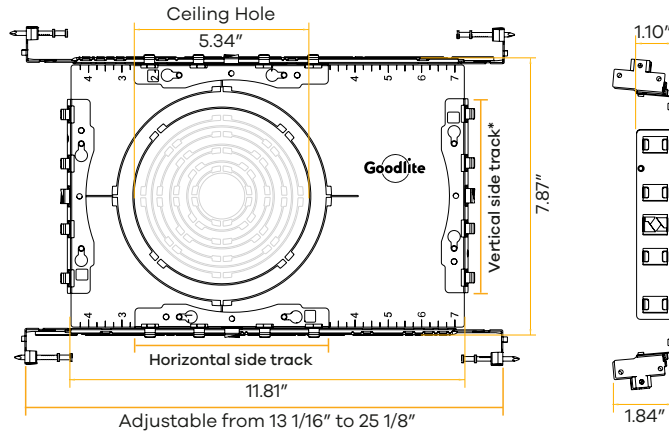


Plate Line Drawings

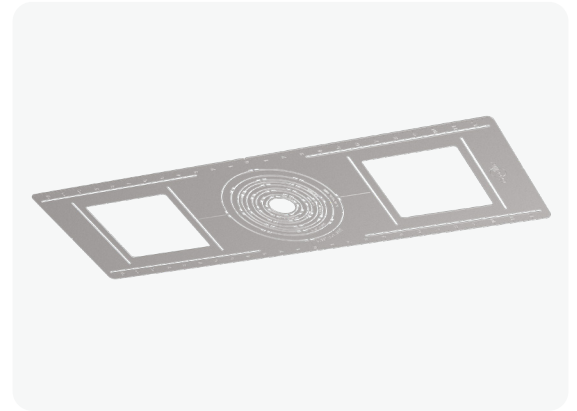
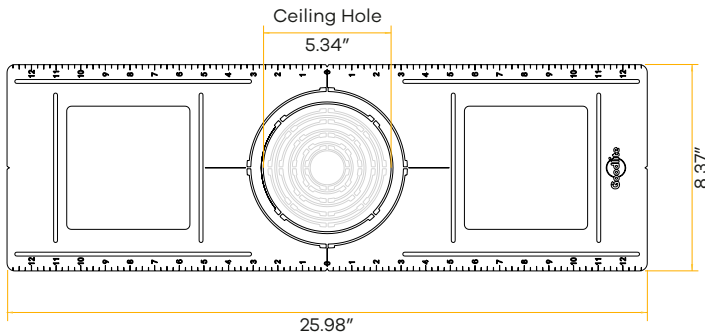
New Construction Pan With Bracket - For single aperture use



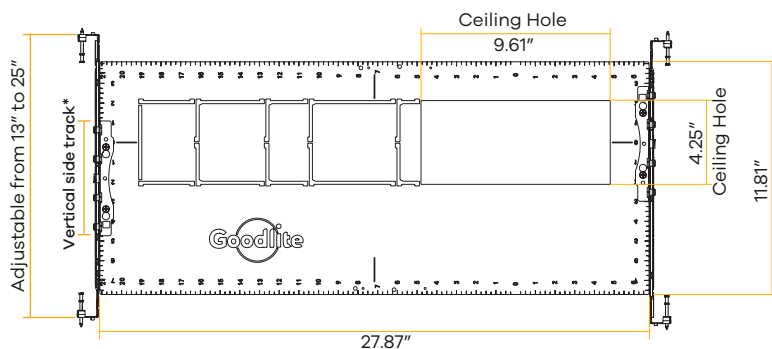
*Note: Bracket can be shortened to 7.87" while using vertical side tracks



New Construction Pan - For single aperture use



New Construction Pan With Bracket - For double aperture use



*Note: Bracket can be shortened to 11.81" while using vertical side tracks

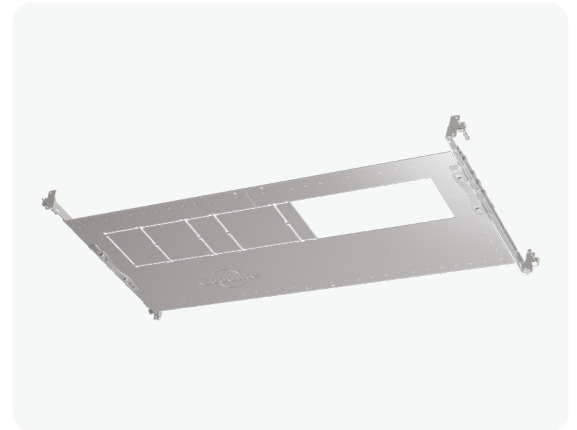
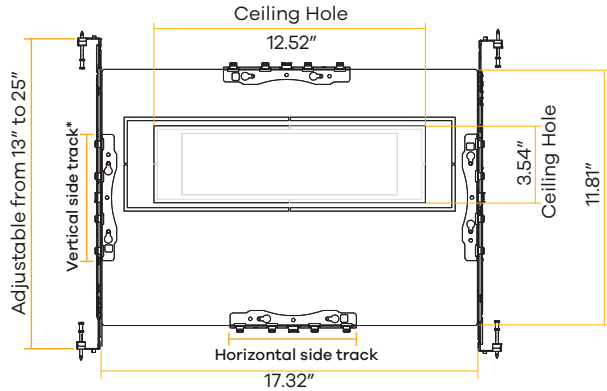
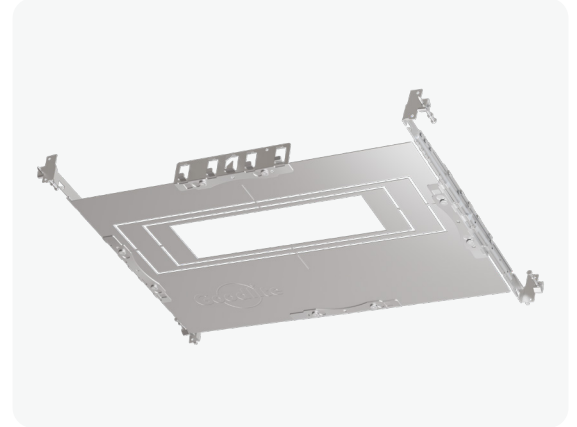


Plate Line Drawings

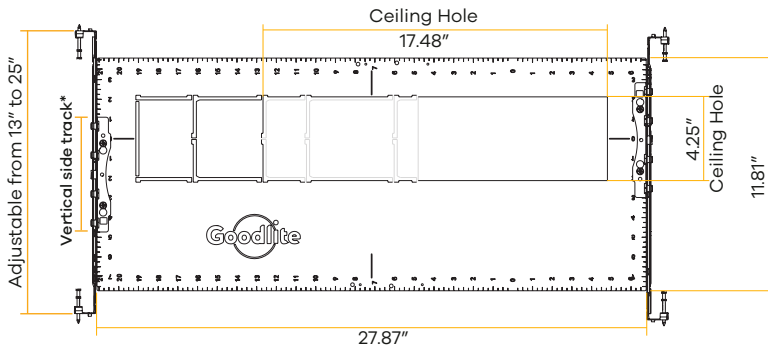
New Construction Pan With Bracket - For triple aperture use



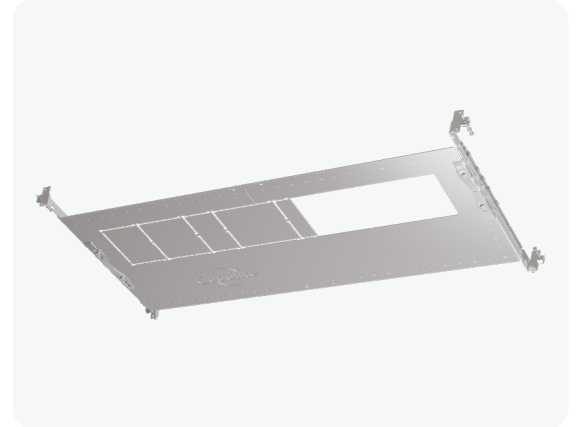
*Note: Bracket can be shortened to 11.81" while using vertical side tracks



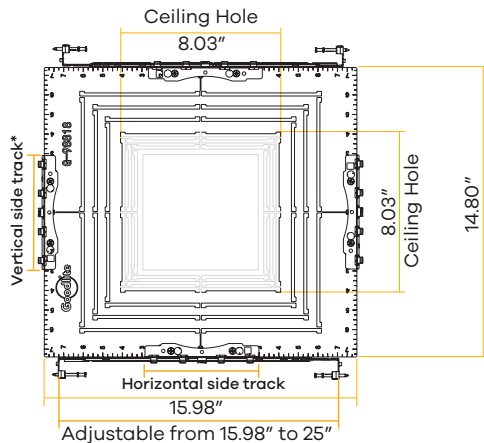
New Construction Pan With Bracket - For quadruple aperture use



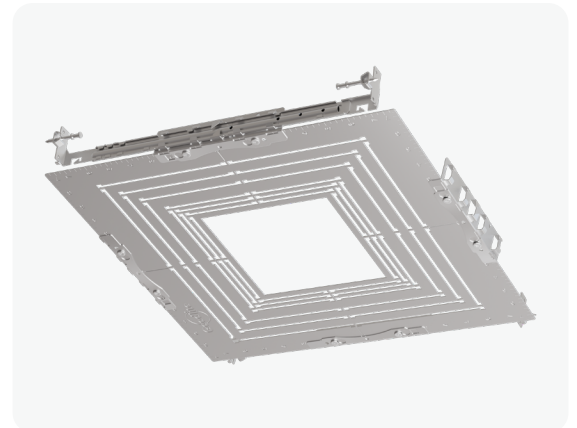
*Note: Bracket can be shortened to 11.81" while using vertical side tracks



New Construction Pan With Bracket - For quadruple aperture crossed use

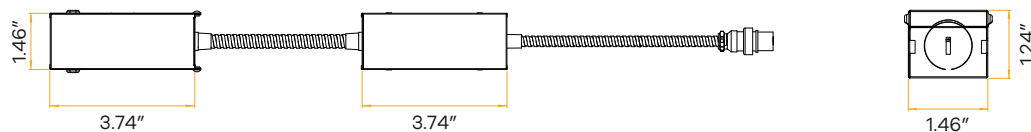


*Note: Bracket can be shortened to 14.80" while using vertical side tracks

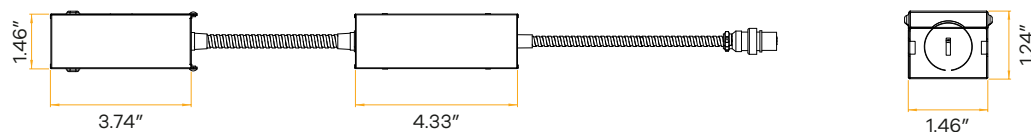


Engine Line Drawing

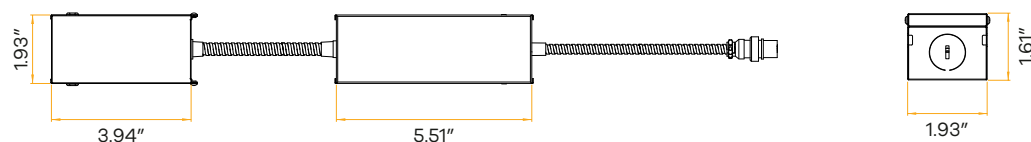
12W Driver



15W Driver



28W Driver



Dimmer Compatibility List

Brand	Load	Model	Brand	Load	Model
LUTRON	150W	LECL-153P	LUTRON	300W	DVELV-300P
		CTCL-150H			SELVB-300P
		LGCL-153PLH		600W	MACL-153M
		CTCL-153P			MRF2-600M
		SCL-153P			DVLV603
		PD-6WCL			MA-600
		PD-5NE	LEVITON	150W	IPL06
		DVCL-153P			6672
		TGCL-153P			6674
		AYCL-153P			RDL06-10Z
		MSCL-OP153M			RNL06-10Z
		STCL-153M		300W	DSL06-1LZ
		DVRF-6L			D26HD
	250W	PD-10NXD	PASS & SEYMOUR	250W	LSCL450W
		DVCL253			WSCL450W
		DVRP-253	EATON	300W	DDE06-BLZ
		MRF2S-6CL			AAL06

0-10V Dimming

Brand	Model
LUTRON	DVSTV
	DVSCTV
LEVITON	IP710-DLZ
	DS710-10Z
LEGRAND	RH4FBL3P
COOPER	SF10P

Note: Martix data is based on a single aperture. For double, triple, and quad configurations with 4.50" on-center (O.C.) spacing, multiply total delivered lumens by 2, 3, or 4 respectively.

Delivered Lumens Martix

White Trim 98CRI Report

Wattage	Color Temperature	Clear Lens			Silver Reflector	
		35°	42°	53°	33°	54°
12W	2700K (98CRI)	864LM	864LM	964LM	954LM	998LM
	3000K (98CRI)	980LM	980LM	1090LM	1046LM	1091LM
	3500K (98CRI)	977LM	980LM	1096LM	1082LM	1149LM
15W	2700K (98CRI)	1103LM	1109LM	1256LM	1224LM	1280LM
	3000K (98CRI)	1276LM	1274LM	1419LM	1358LM	1429LM
	3500K (98CRI)	1252LM	1264LM	1424LM	1396LM	1494LM
28W	2700K (98CRI)	2131LM	2055LM	2356LM	2311LM	2396LM
	3000K (98CRI)	2408LM	2348LM	2633LM	2515LM	2615LM
	3500K (98CRI)	2384LM	2321LM	2601LM	2586LM	2742M

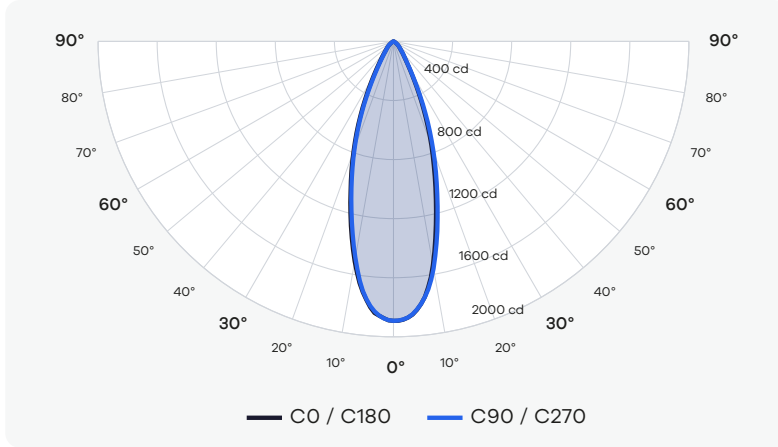
Aster Pro 3" Square Trimless Multi Aperture Photometry Goodlite

Architectural Downlight

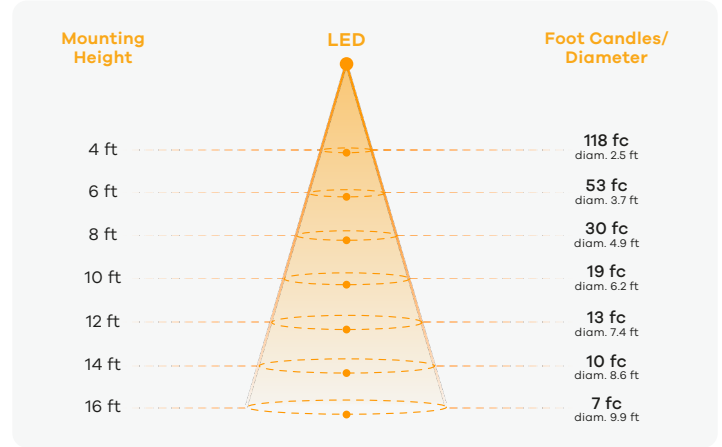
Note: Photometric data is based on a single aperture. For double, triple, and quad configurations with 4.50" on-center (O.C.) spacing, multiply total delivered lumens and candela values by 2, 3, or 4 respectively.

White Trim (2700K, 98CRI, 35°-Clear, 12W)

Polar Plot



Cone of Light Tabulation



Power Information

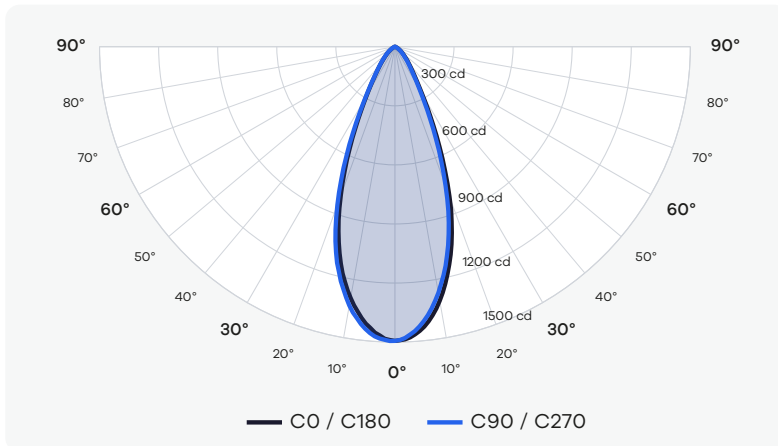
Voltage	119.84 V
Current	0.08936 A
Power	10.5 W
Power Factor	0.9776

Summary of Results

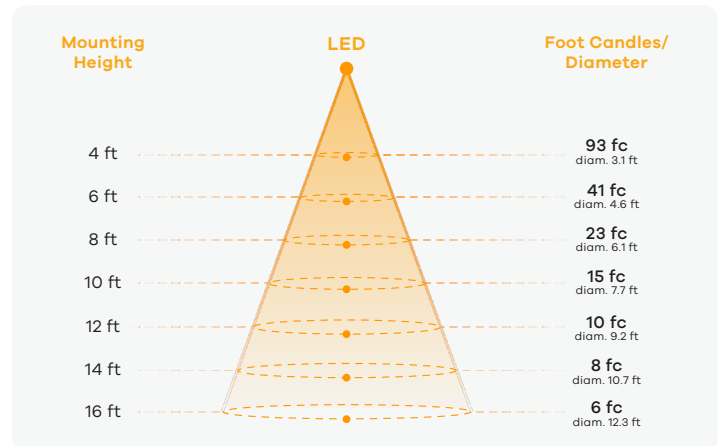
Spacing Criteria	0 - 180: 0.31	90 - 270: 0.31	Zone	Lumens	% of Luminaire
Total Lumen Output	864 LM		0 - 40	760	91%
Luminaire Efficacy	72 LM/W		0 - 60	827	99%
Maximun Candela	1892 CD		0 - 80	837	100%

White Trim (2700K, 98CRI, 42°-Clear, 12W)

Polar Plot



Cone of Light Tabulation



Power Information

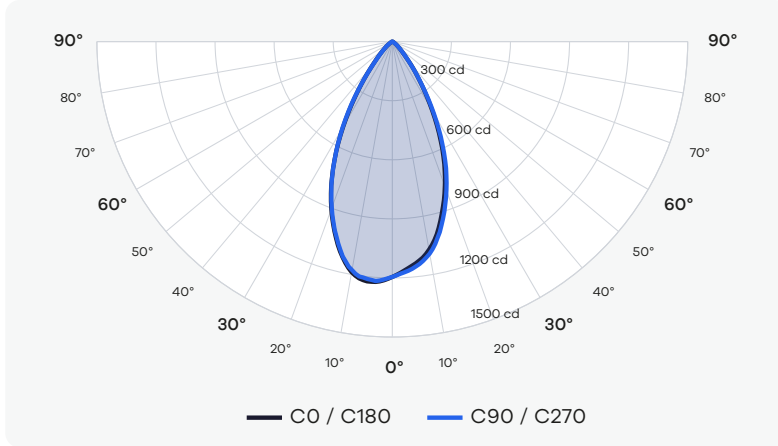
Voltage	119.72 V
Current	0.08974 A
Power	10.5 W
Power Factor	0.9776

Summary of Results

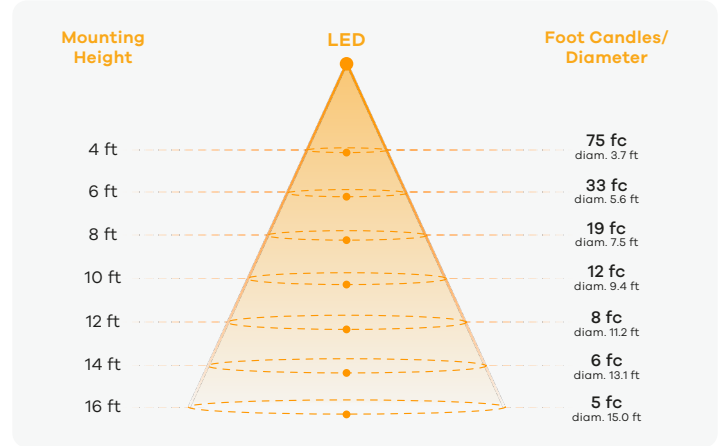
Spacing Criteria	0 - 180: 0.38	90 - 270: 0.38	Zone	Lumens	% of Luminaire
Total Lumen Output	864 LM		0 - 40	769	88%
Luminaire Efficacy	72 LM/W		0 - 60	855	98%
Maximun Candela	1494 CD		0 - 80	869	100%

White Trim (2700K, 98CRI, 53°-Clear, 12W)

Polar Plot



Cone of Light Tabulation



Power Information

Voltage	119.74 V
Current	0.08963 A
Power	10.5 W
Power Factor	0.9776

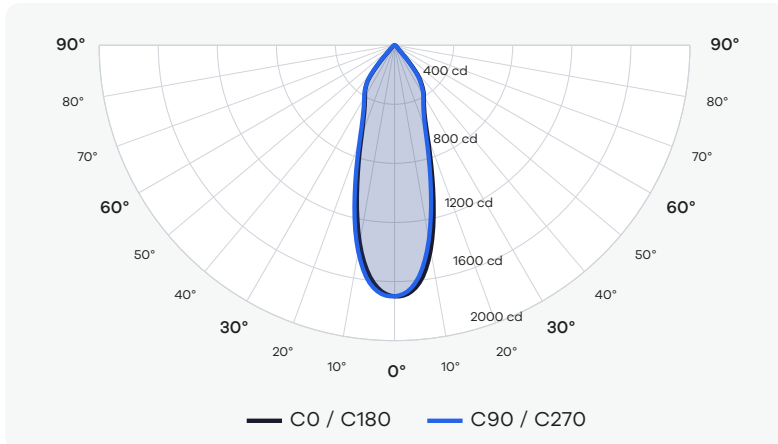
Summary of Results

Spacing Criteria	0 - 180: 0.47	90 - 270: 0.47
Total Lumen Output	964 LM	
Luminaire Efficacy	80 LM/W	
Maximun Candela	1195 CD	

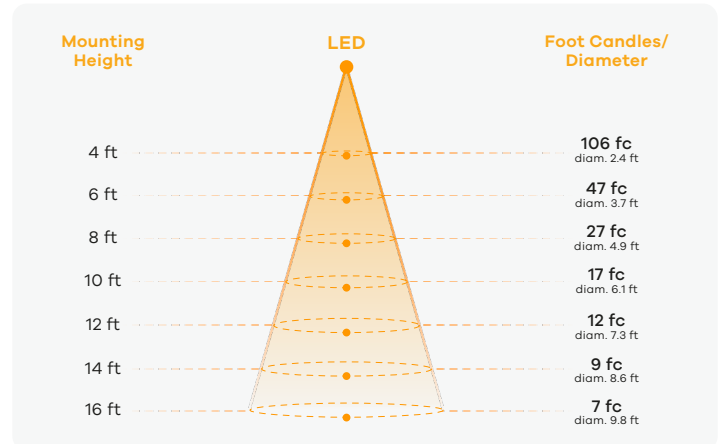
Zone	Lumens	% of Luminaire
0 - 40	794	91%
0 - 60	865	99%
0 - 80	874	100%

White Trim (2700K, 98CRI, 33°-Silver Reflector, 12W)

Polar Plot



Cone of Light Tabulation



Power Information

Voltage	119.74 V
Current	0.08953 A
Power	10.5 W
Power Factor	0.9776

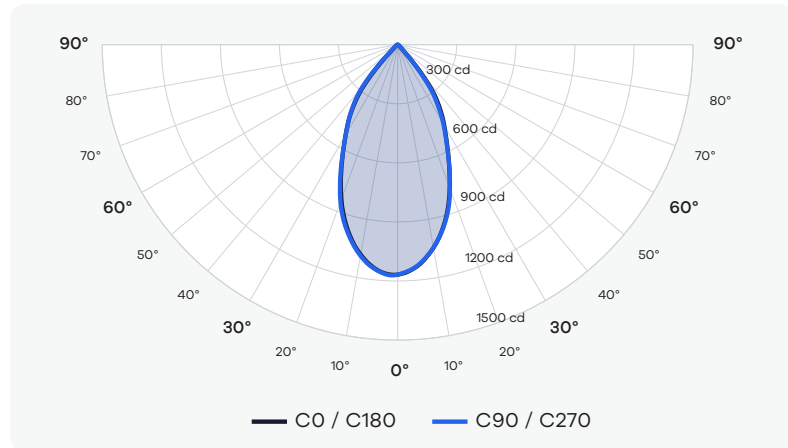
Summary of Results

Spacing Criteria	0 - 180: 0.31	90 - 270: 0.31
Total Lumen Output	954 LM	
Luminaire Efficacy	79 LM/W	
Maximun Candela	1700 CD	

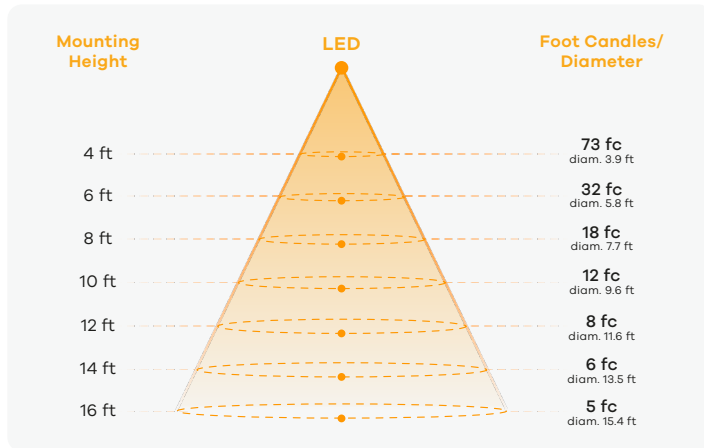
Zone	Lumens	% of Luminaire
0 - 40	842	92%
0 - 60	906	99%
0 - 80	918	100%

White Trim (2700K, 98CRI, 54°-Silver Reflector, 12W)

Polar Plot



Cone of Light Tabulation



Power Information

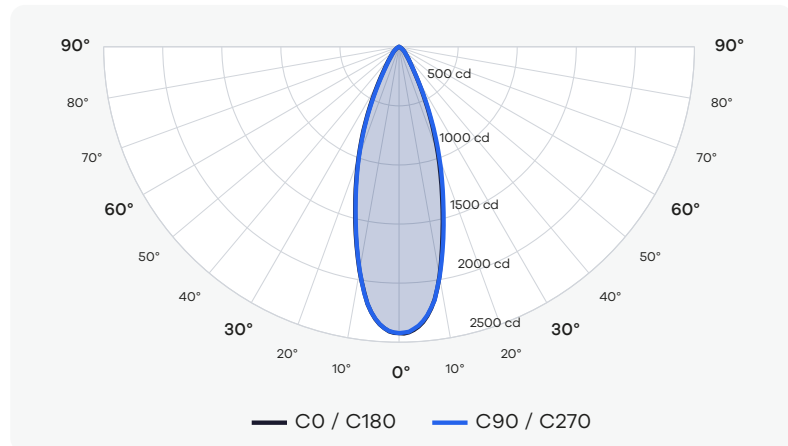
Voltage	119.74 V
Current	0.08949 A
Power	10.5 W
Power Factor	0.9776

Summary of Results

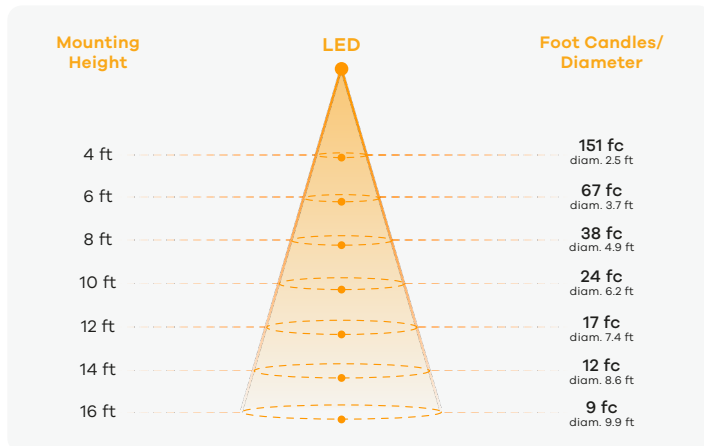
Spacing Criteria	0 - 180: 0.48	90 - 270: 0.48	Zone	Lumens	% of Luminaire
Total Lumen Output	998 LM		0 - 40	852	94%
Luminaire Efficacy	98 LM/W		0 - 60	902	99%
Maximun Candela	1168 CD		0 - 80	910	100%

White Trim (2700K, 98CRI, 35°-Clear, 15W)

Polar Plot



Cone of Light Tabulation



Power Information

Voltage	119.73 V
Current	0.1164 A
Power	13.6 W
Power Factor	0.9781

Summary of Results

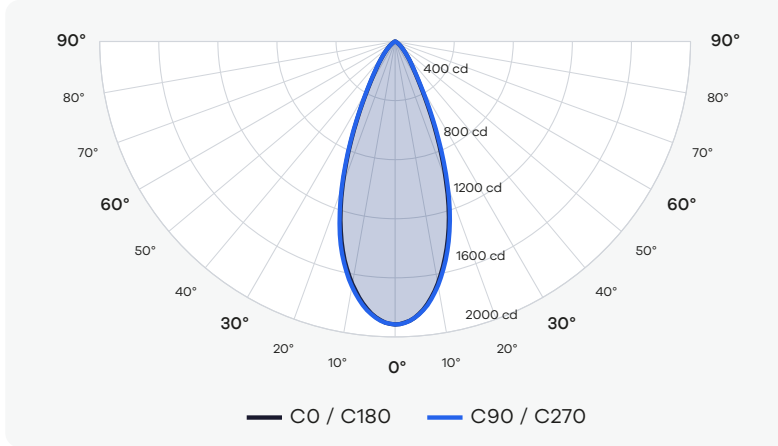
Spacing Criteria	0 - 180: 0.31	90 - 270: 0.31	Zone	Lumens	% of Luminaire
Total Lumen Output	1103 LM		0 - 40	973	91%
Luminaire Efficacy	74 LM/W		0 - 60	1059	99%
Maximun Candela	2423 CD		0 - 80	1072	100%

Aster Pro 3" Square Trimless Multi Aperture Photometry Goodlite

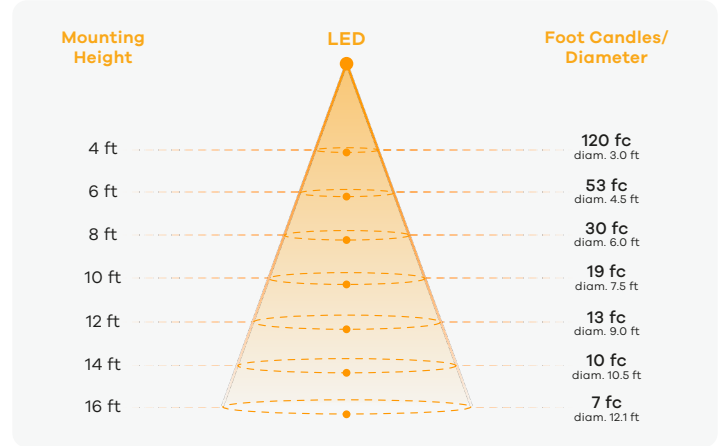
Architectural Downlight

White Trim (2700K, 98CRI, 42°-Clear, 15W)

Polar Plot



Cone of Light Tabulation



Power Information

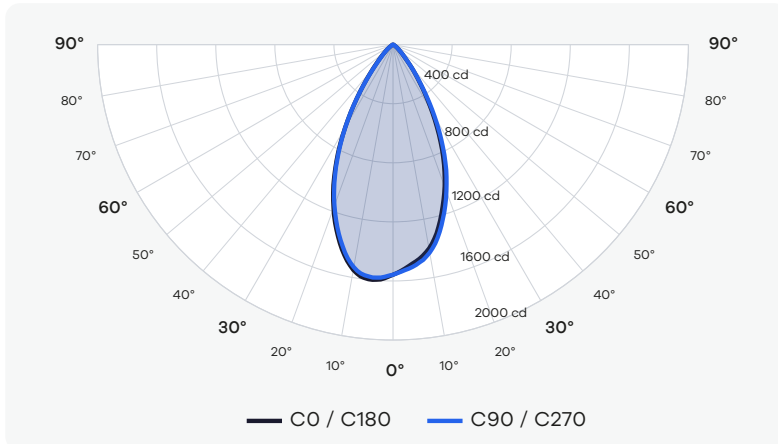
Voltage	119.71 V
Current	0.1166 A
Power	13.7 W
Power Factor	0.9781

Summary of Results

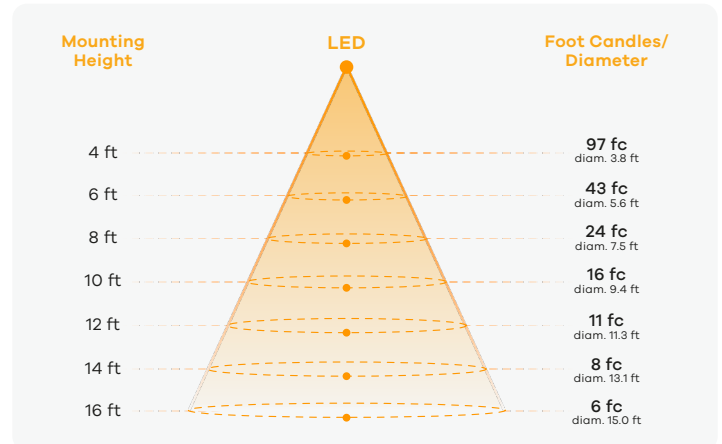
Spacing Criteria	0 - 180: 0.38	90 - 270: 0.38	Zone	Lumens	% of Luminaire
Total Lumen Output	1109 LM		0 - 40	962	90%
Luminaire Efficacy	74 LM/W		0 - 60	1052	99%
Maximun Candela	1916 CD		0 - 80	1066	100%

White Trim (2700K, 98CRI, 53°-Clear, 15W)

Polar Plot



Cone of Light Tabulation



Power Information

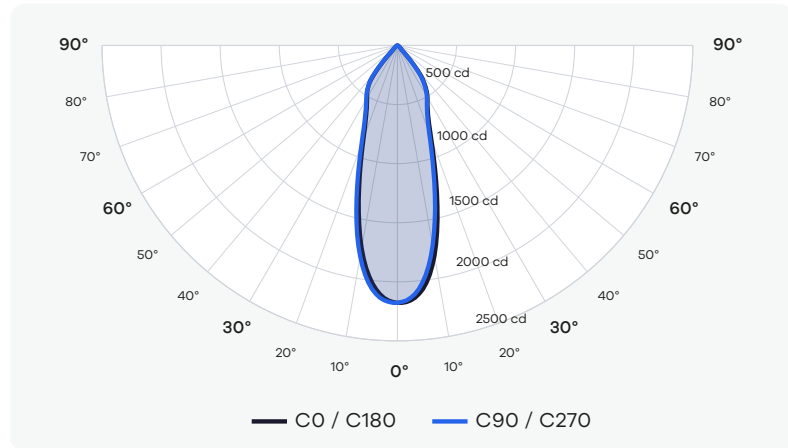
Voltage	119.71 V
Current	0.1167 A
Power	13.7 W
Power Factor	0.9781

Summary of Results

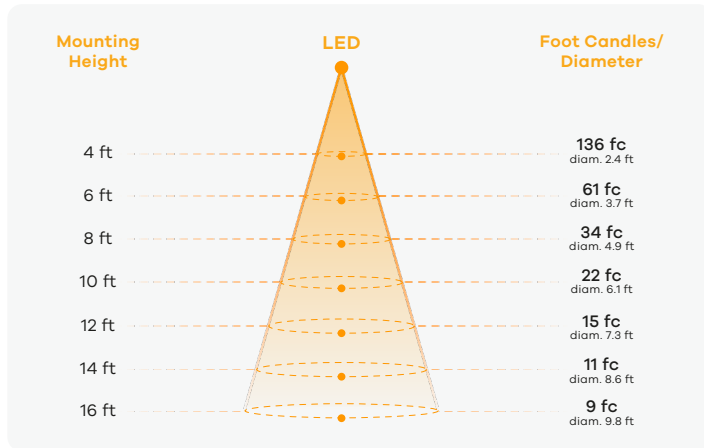
Spacing Criteria	0 - 180: 0.47	90 - 270: 0.47	Zone	Lumens	% of Luminaire
Total Lumen Output	1256 LM		0 - 40	1041	91%
Luminaire Efficacy	84 LM/W		0 - 60	1135	99%
Maximun Candela	1558 CD		0 - 80	1147	100%

White Trim (2700K, 98CRI, 33°-Silver Reflector, 15W)

Polar Plot



Cone of Light Tabulation



Power Information

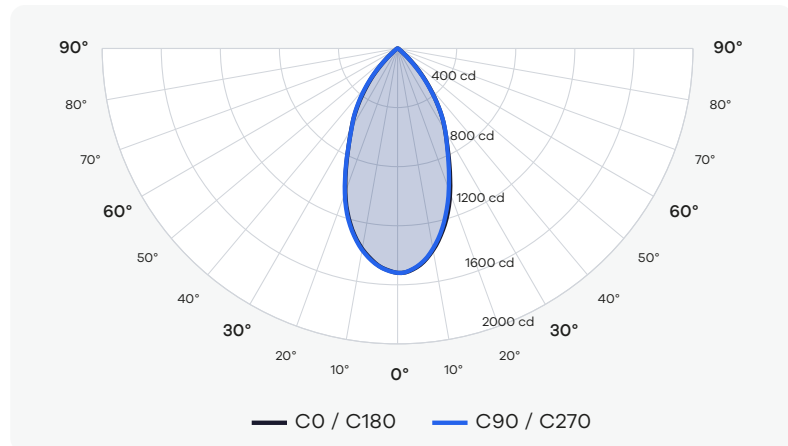
Voltage	119.72 V
Current	0.1168 A
Power	13.7 W
Power Factor	0.9781

Summary of Results

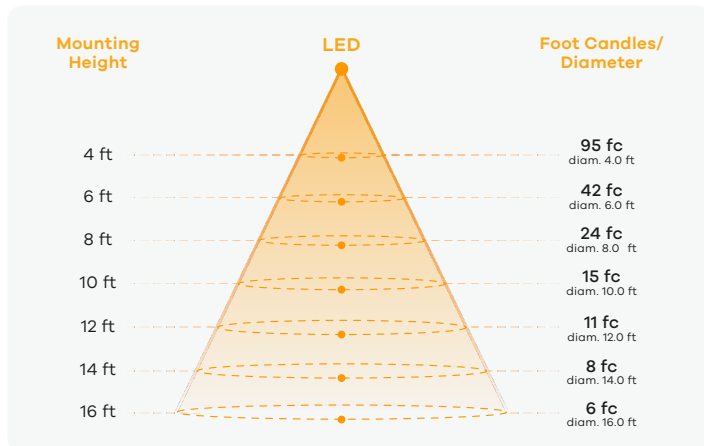
Spacing Criteria	0 - 180: 0.31	90 - 270: 0.31	Zone	Lumens	% of Luminaire
Total Lumen Output	1224 LM		0 - 40	1078	92%
Luminaire Efficacy	82 LM/W		0 - 60	1160	99%
Maximun Candela	2178 CD		0 - 80	1175	100%

White Trim (2700K, 98CRI, 54°-Silver Reflector, 15W)

Polar Plot



Cone of Light Tabulation



Power Information

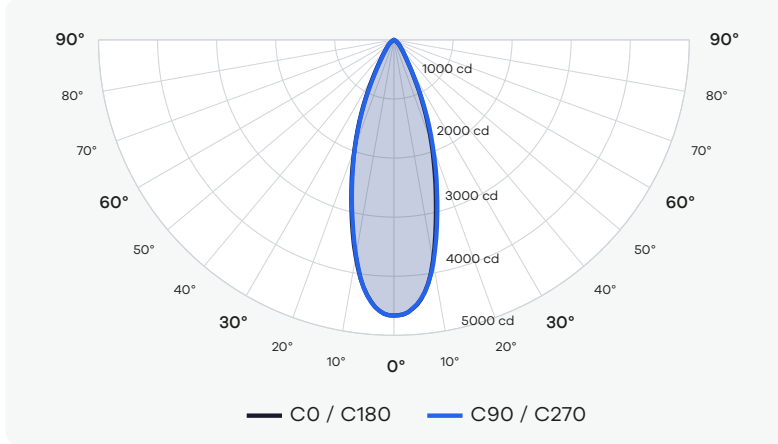
Voltage	119.80 V
Current	0.1173 A
Power	13.7 W
Power Factor	0.9781

Summary of Results

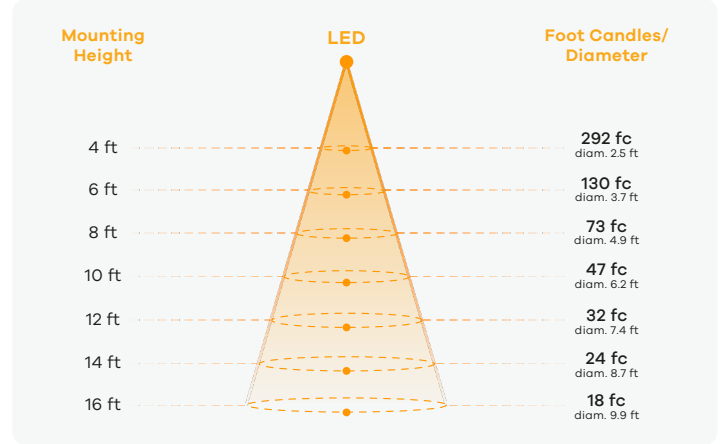
Spacing Criteria	0 - 180: 0.5	90 - 270: 0.5	Zone	Lumens	% of Luminaire
Total Lumen Output	1280 LM		0 - 40	1159	87%
Luminaire Efficacy	96 LM/W		0 - 60	1320	99%
Maximun Candela	1519 CD		0 - 80	1335	100%

White Trim (2700K, 98CRI, 35°-Clear, 28W)

Polar Plot



Cone of Light Tabulation



Power Information

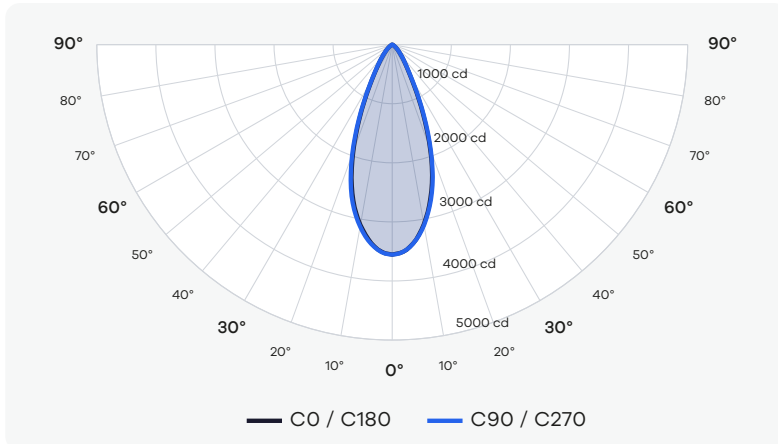
Voltage	119.67 V
Current	0.2306 A
Power	27.1 W
Power Factor	0.9816

Summary of Results

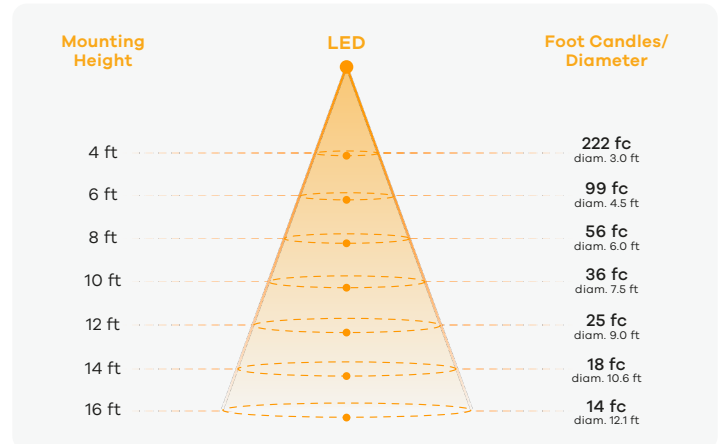
Spacing Criteria	0 - 180: 0.31	90 - 270: 0.31	Zone	Lumens	% of Luminaire
Total Lumen Output	2131 LM		0 - 40	1879	91%
Luminaire Efficacy	76 LM/W		0 - 60	2046	99%
Maximun Candela	4666 CD		0 - 80	2072	100%

White Trim (2700K, 98CRI, 42°-Clear, 28W)

Polar Plot



Cone of Light Tabulation



Power Information

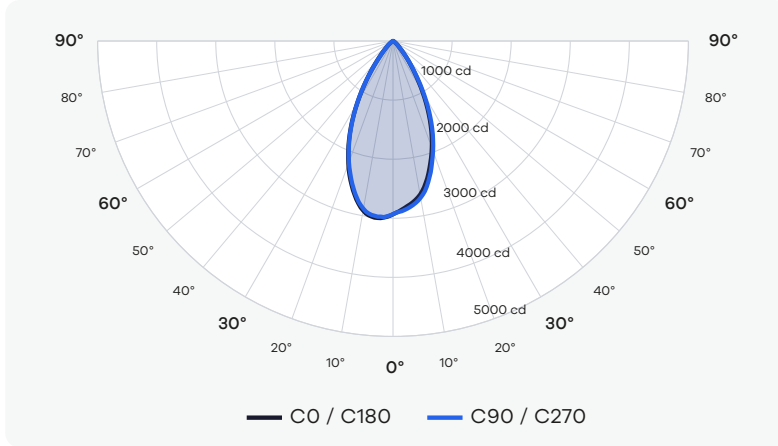
Voltage	119.70 V
Current	0.2301 A
Power	27.0 W
Power Factor	0.9815

Summary of Results

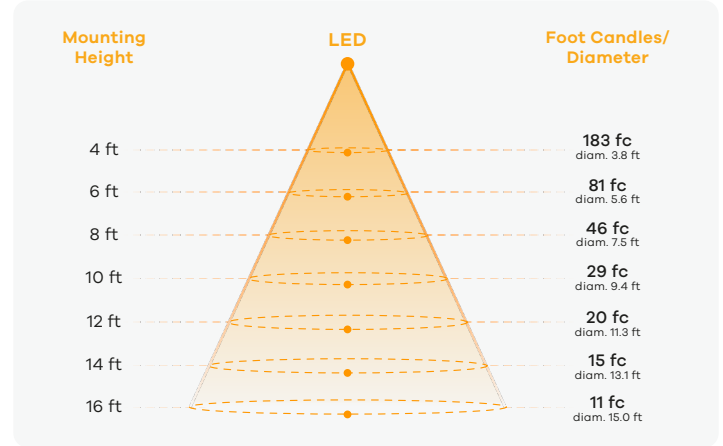
Spacing Criteria	0 - 180: 0.38	90 - 270: 0.38	Zone	Lumens	% of Luminaire
Total Lumen Output	2055 LM		0 - 40	1783	90%
Luminaire Efficacy	73 LM/W		0 - 60	1949	99%
Maximun Candela	3554 CD		0 - 80	1974	100%

White Trim (2700K, 98CRI, 53°-Clear, 28W)

Polar Plot



Cone of Light Tabulation



Power Information

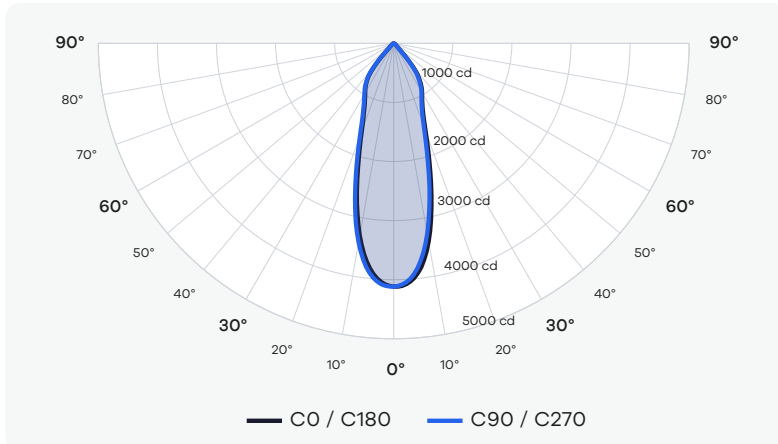
Voltage	119.69 V
Current	0.2299 A
Power	27.0 W
Power Factor	0.9815

Summary of Results

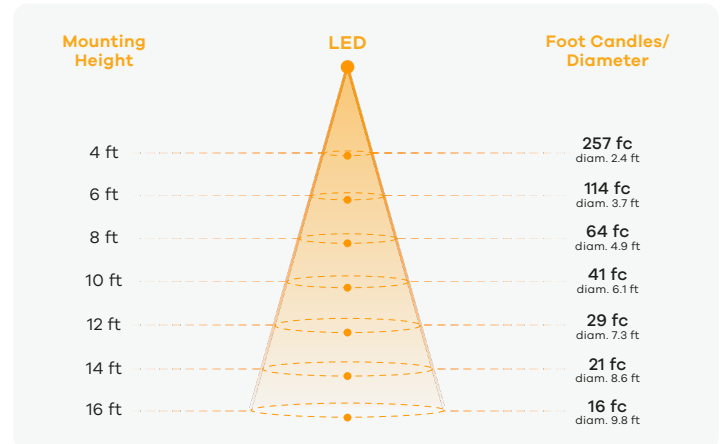
Spacing Criteria	0 - 180: 0.47	90 - 270: 0.47	Zone	Lumens	% of Luminaire
Total Lumen Output	2356 LM		0 - 40	1957	91%
Luminaire Efficacy	84 LM/W		0 - 60	2133	99%
Maximun Candela	2932 CD		0 - 80	2155	100%

White Trim (2700K, 98CRI, 33°-Silver Reflector, 28W)

Polar Plot



Cone of Light Tabulation



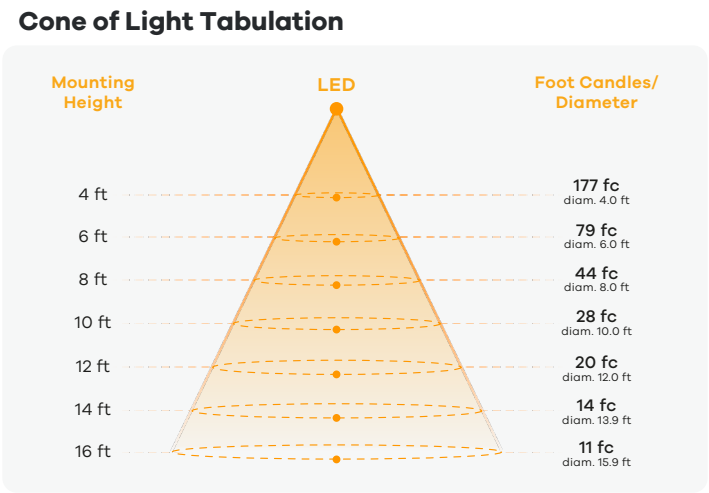
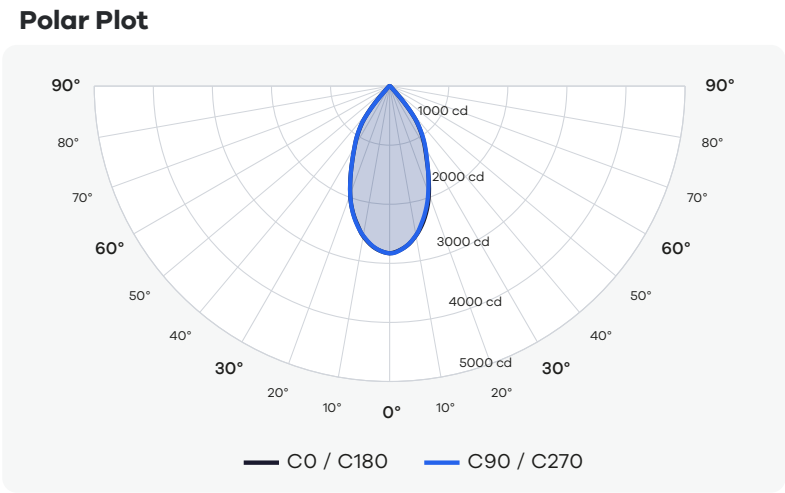
Power Information

Voltage	119.68 V
Current	0.2297 A
Power	27.0 W
Power Factor	0.9815

Summary of Results

Spacing Criteria	0 - 180: 0.31	90 - 270: 0.31	Zone	Lumens	% of Luminaire
Total Lumen Output	2311 LM		0 - 40	2043	91%
Luminaire Efficacy	83 LM/W		0 - 60	2212	99%
Maximun Candela	4116 CD		0 - 80	2241	100%

White Trim (2700K, 98CRI, 54°-Silver Reflector, 28W)



Power Information	
Voltage	119.71 V
Current	0.2334 A
Power	27.4 W
Power Factor	0.9821t

Summary of Results					
Spacing Criteria	0 - 180: 0.5	90 - 270: 0.5	Zone	Lumens	% of Luminaire
Total Lumen Output	2396 LM		0 - 40	2143	92%
Luminaire Efficacy	90 LM/W		0 - 60	2296	99%
Maximun Candela	2830 CD		0 - 80	2318	100%