

Candela

landscapeforms

Specification Sheet | CLF100



Candela embodies clean design, high performance, and ease of installation and maintenance. Designed by Gonzalo Milà for Urbidermis—whose philosophy emphasizes simplicity, functionality, and environmental respect—Candela 2.0 reflects a human-centered approach that balances practicality with aesthetic appeal. Light engine options range from 1,500lm to 21,000lm, with a wide selection of distribution types, including light trespass control. Single or multiple luminaires can be mounted at varying heights and orientations on a single pole, supporting both pedestrian and vehicular task lighting needs.

Housing & Materials

Candela is completely reengineered to offer a simplified installation and maintenance process; All electrical components are accessible via the hinged door assembly on the underside. High pressure die cast aluminum construction with tempered glass lens. All hardware is stainless steel. Luminaire is IP66 rated

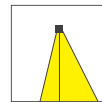
Electrical

120V - 277V, 50/60 Hz electronic driver. 0-10V dimming as standard (DALI dimmable upon request). -40°C start temperature. Optional control inputs include NEMA 7-pin receptacle (for field installation on the pole cap) or luminaire integrated photo-motion sensor).

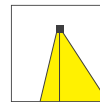
Light Engine

High powered LEDs mounted to a RoHS compliant circuit board with PMMA optics affixed to each LED on the board. Available in 2200K, 2700K, 3000K, 4000K, and PC Amber. 80CRI for 2700, 3000, 4000K options. 70CRI for 2200K. Other CCT and CRI options available on request, contact factory.

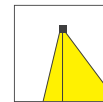
Distributions



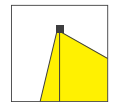
TII



TII+TIII



TIII



TIV

Warranty

Urbidermis guarantees the composition and performance features of all material that shape the product for a period of three years. Electrical components including LED boards and electronic drivers are guaranteed for a period of five years.

Certification

cUL Listed for Wet Locations, CE certification, RoHS Compliant



Designed by Gonzalo Milà for Urbidermis

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Specification

Luminaire #1 _____

Luminaire #2 _____

(If Applicable)

Mounting Bracket/Arm _____

Pole _____

May base covers, GFCI, NEMA7 socket, etc.

Luminaire and Mounting Configurations – Roadway/Area Optic – 100 Series

Product	LED Count/ length	Drive Current	Color Temp	Distribution	Shielding	Photomotion Sensor****	Lens	Powdercoat
CLF 101	24 (24 LED)	LO (Low Output) SO (Standard Output) HO (High Output)	PCA (PC Amber)	TII Type II	*HSS (House Side Shield) N (None)	NMS (No sensor) **MS1 (With Motion Sensor)	*CLR (Clear) FRS (Frosted)	ULG (Light Grey, RAL 9006)
	48 (48 LED)		22K (2200K)	TII+III Type II+III				UMG (Medium Grey, RAL 9007)
	72 (72 LED)		27K (2700K)	TIII Type III				UDG (Dark Grey, RAL 7024)
	96 (96 LED)		30K (3000K)	TIV Type IV				UAS (Aluminum Silver)
			40K (4000K)					

Example: CLF101 - 48 - SO - 22K - TII - HSS- MS1 - CLR - UDG

* House side shield only available with the clear lens

** Motion sensor and twist lock cannot be ordered together

*** Luminaire and pole can't both have the motion sensor

Mounting Bracket and Arm

Product	Luminaire Configuration	Arm length	Powdercoat
CLB	SS (Single/Staggered) BB (Back to Back)	22 (22" arm)	ULG (Light Grey, RAL 9006)
		30 (30" arm)	UMG (Medium Grey, RAL 9007)
		53 (53" arm)	UDG (Dark Grey, RAL 7024)
			UAS (Aluminum Silver)

Example: CLB - SS- 30 - UDG

Specification Sheet | CLF100

Pole

Product	Lens Height and Configuration	Material	Base Cover	Power Receptacle	Photomotion Sensor***	Twist Lock	Powdercoat
CLP	16-A (Single luminaire)	AL (Aluminum)	NC (Nut Covers)	NR (No receptacle)	NMS (No sensor)	TW1 (Twist Lock receptacle)	ULG (Light Grey, RAL 9006)
	20-A (Single luminaire)						
	25-A (Single luminaire)						
	30-A (Single luminaire)						
	16-B (Back to back luminaires)						
	20-B (Back to back luminaires)						
	25-B (Back to back luminaires)						
	30-B (Back to back luminaires)						
	20-C (Staggered at 16' and 20')						
	25-C (Staggered at 16' and 25')						
	30-C (Staggered at 30')						

Example: CLP-16-A-AL-RBC-R-MS1-NTW-UDG

* Base covers not available on 30ft Aluminum Poles

** Motion sensor and twist lock cannot be ordered together

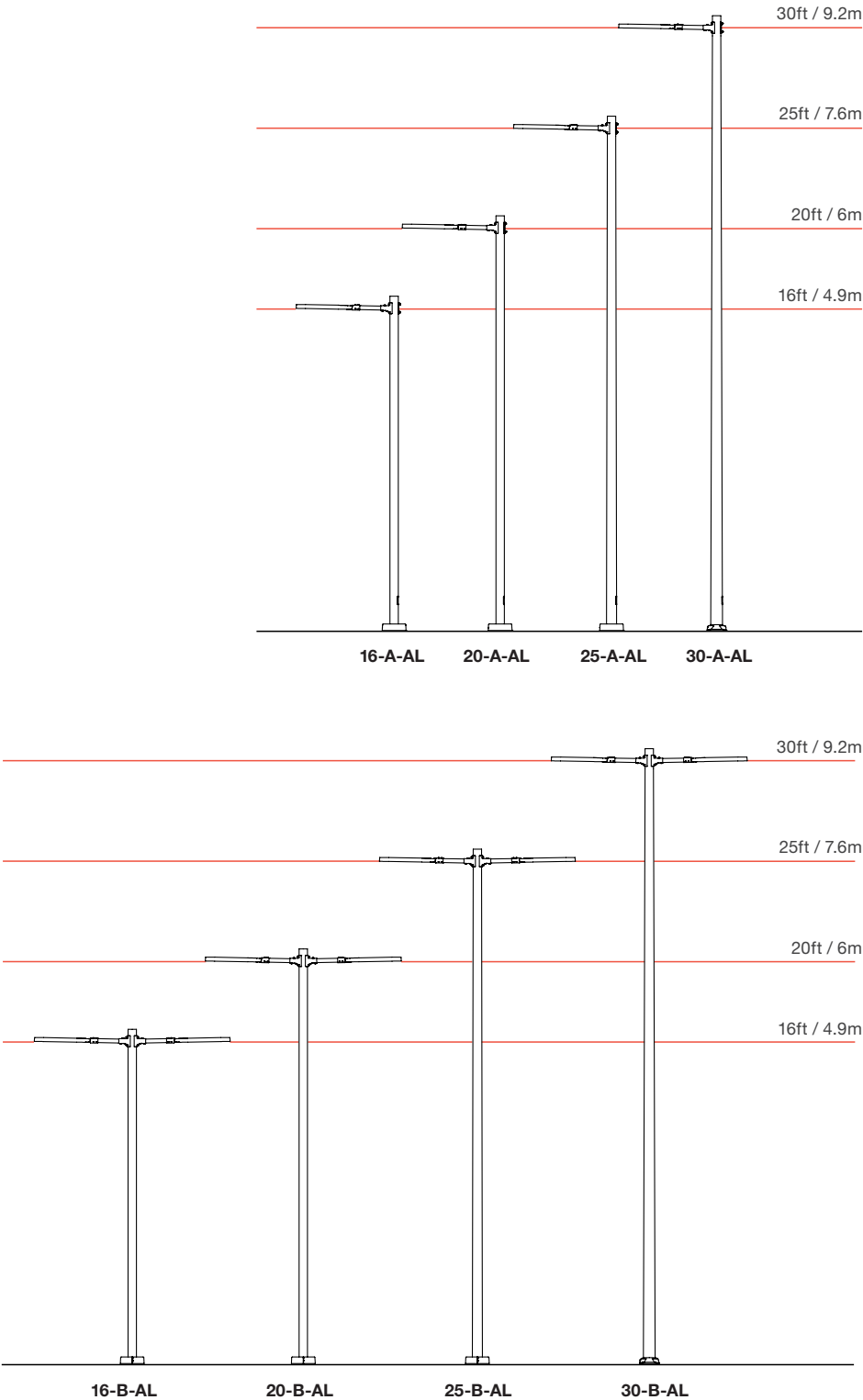
*** Luminaire and pole can't both have the motion sensor

Modifications

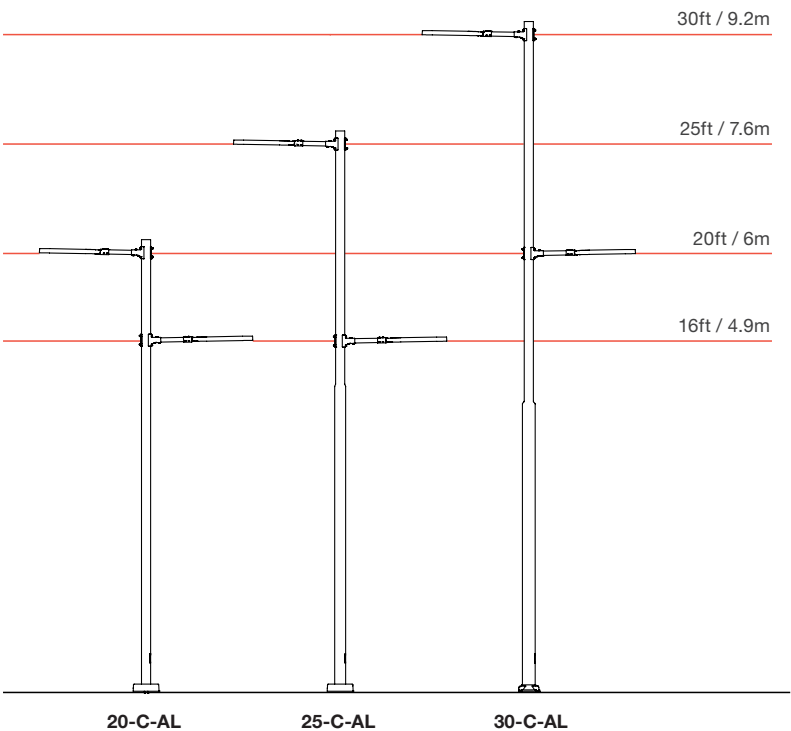
Part Number	Modification	Description
CPH	Custom Pole Height	
CLH	Custom Lens Height	
CPC	Custom Powdercoat Color	
--	Other	

Modifications listed are the most common changes/additions requested. If your requirements aren't shown here, select 'other' and write in the modification needed. Please provide as much detail as possible to streamline the quoting process. All modifications to standard products will require evaluation and quoting approved by Landscape Forms prior to order placement.

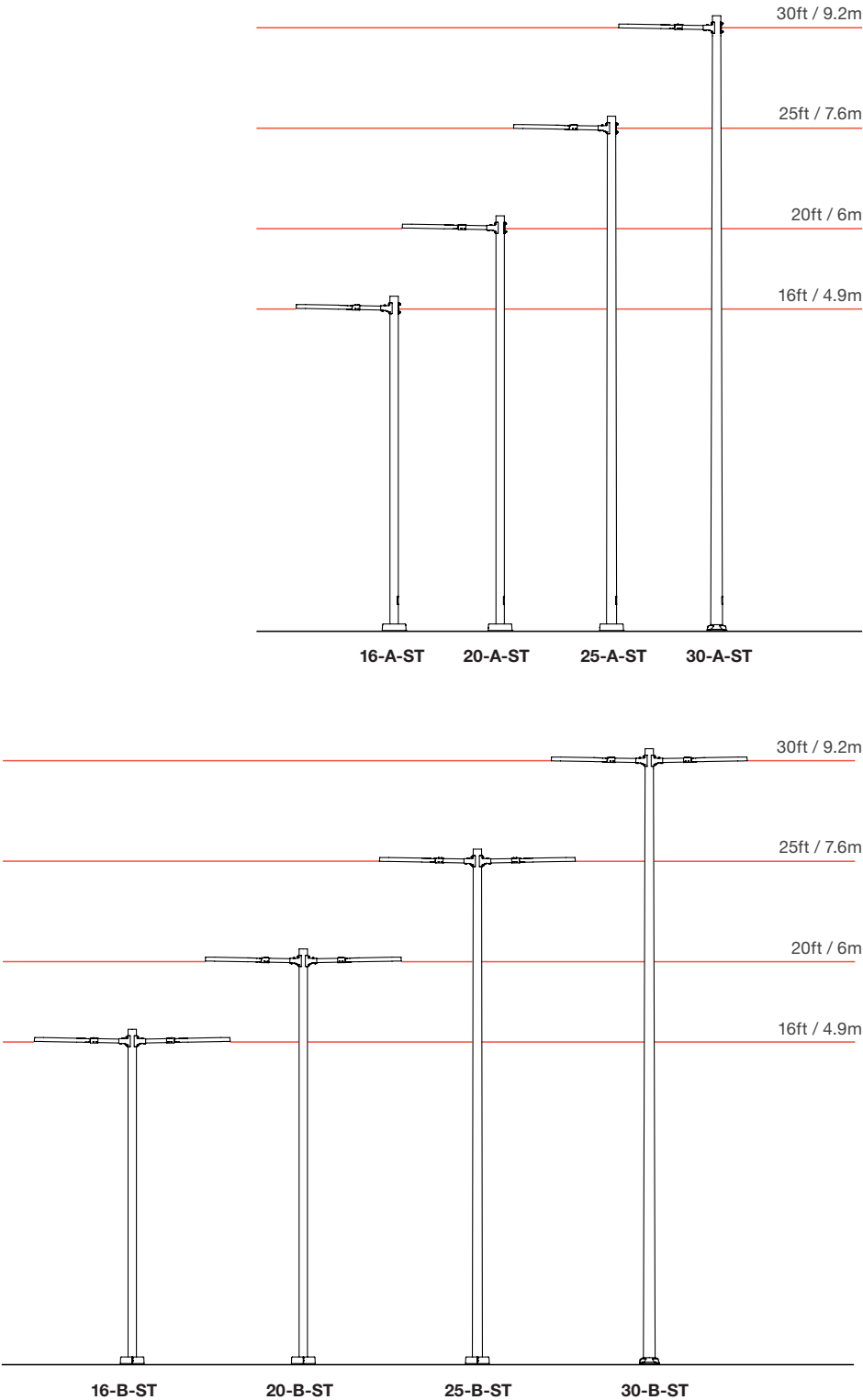
Aluminum Pole Lens Height and Pole Configuration Selection Guide



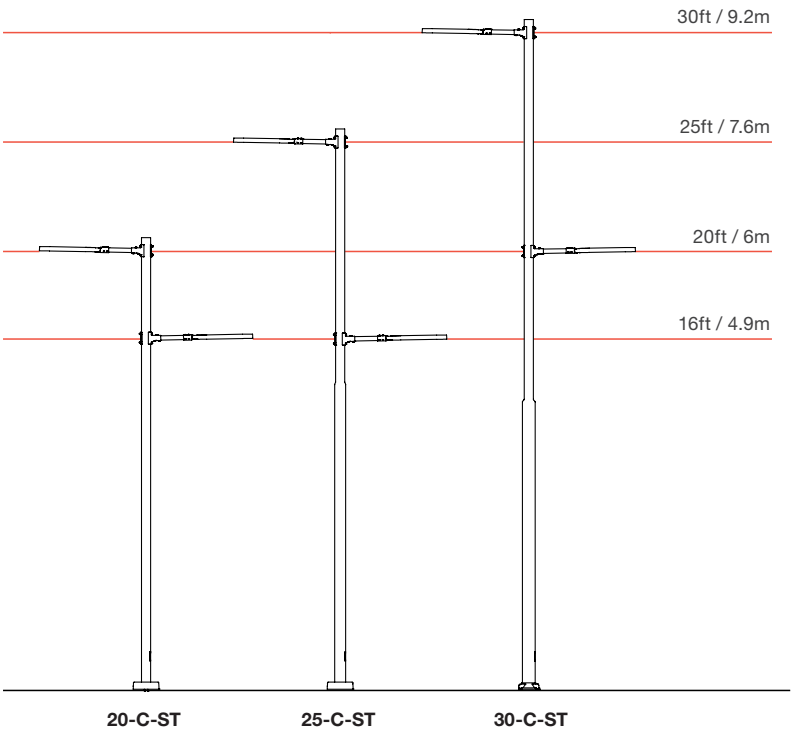
Aluminum Pole Lens Height and Pole Configuration Selection Guide



Steel Pole Lens Height and Pole Configuration Selection Guide



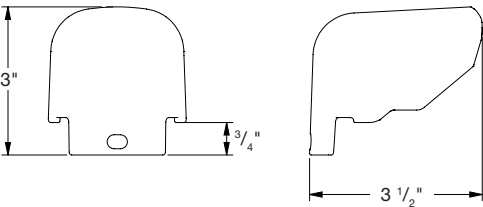
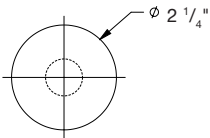
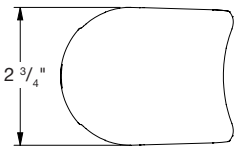
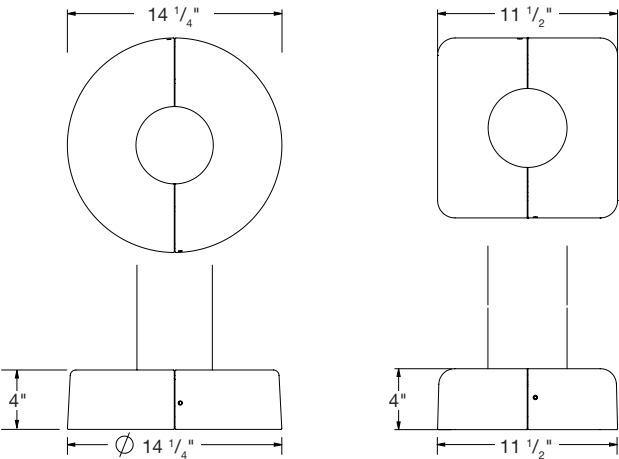
Steel Pole Lens Height and Pole Configuration Selection Guide



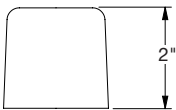
Pole Accessories

Pole & Base Cover

Poles are manufactured from seamless aluminum alloy with a flush mounted hand hole cover, also available in a steel option. Base plate is cast aluminum and includes either a two-piece cast aluminum round or square decorative base cover, or four cast aluminum nut covers. Mounting template and anchor hardware included. Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an “L” bend on one end and are galvanized a minimum of 12” on the threaded end. Poles are pre-drilled to suit the specified mounting conditions prior to powdercoating, and include flush top pole cap, configured to support installation of ANSI C136.41 twist-lock receptacle when specified.

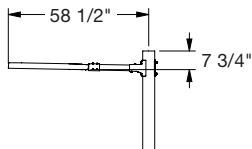


Aluminum Pole Nut Covers



Steel Pole Nut Covers

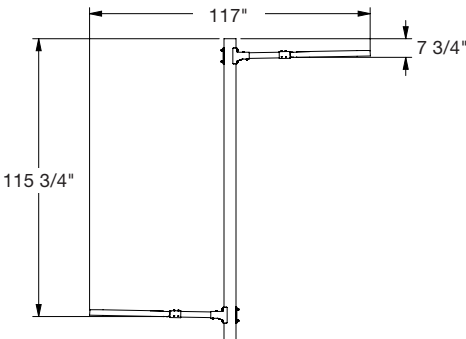
Luminaire Dimensions with 22" Arm and Weights



16-A, 20-A, 25-A, 30-A

CLB-SS-22

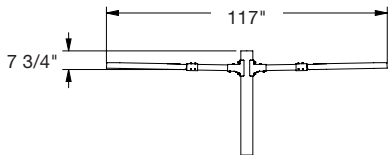
Weight: 30.4 lbs



25-C

CLB-SS-22

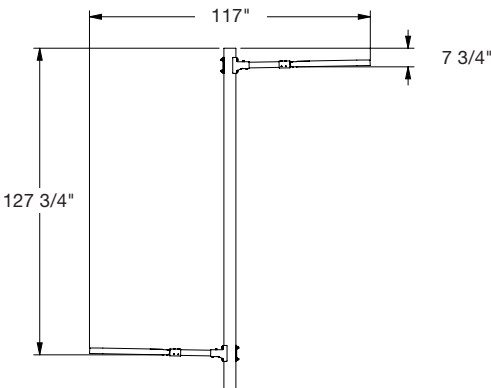
Weight: 60.8 lbs



16-B, 20-B, 25-B, 30-B

CLB-BB-22

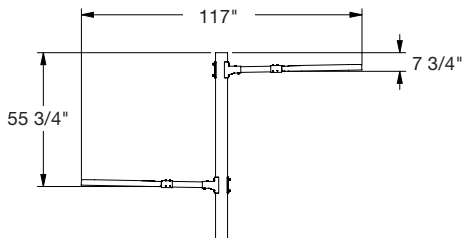
Weight: 55.8lbs



30-C

CLB-SS-22

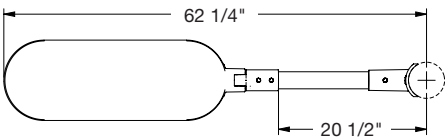
Weight: 60.8 lbs



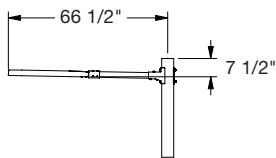
20-C

CLB-SS-22

Weight: 60.8 lbs

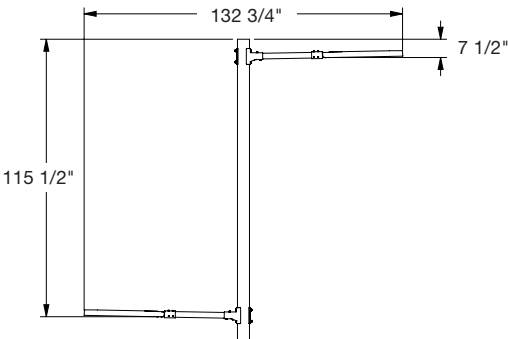


Luminaire Dimensions with 30" Arm and Weights



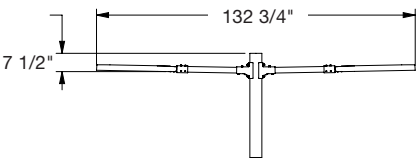
16-A, 20-A, 25-A, 30-A

CLB-SS-30
Weight: 31.5 lbs



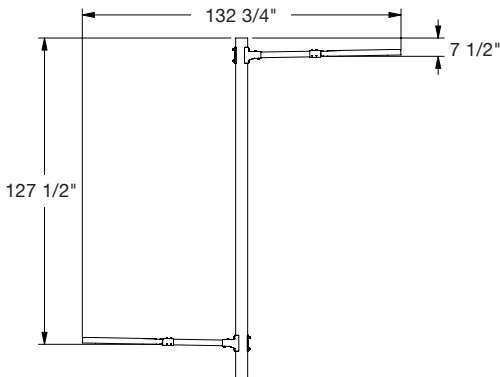
25-C

CLB-SS-30
Weight: 63 lbs



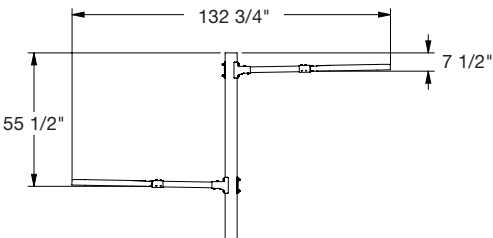
16-B, 20-B, 25-B, 30-B

CLB-BB-30
Weight: 56.9 lbs



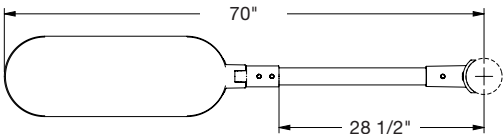
30-C

CLB-SS-30
Weight: 63 lbs

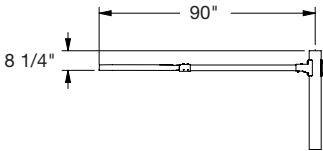


20-C

CLB-SS-30
Weight: 63 lbs

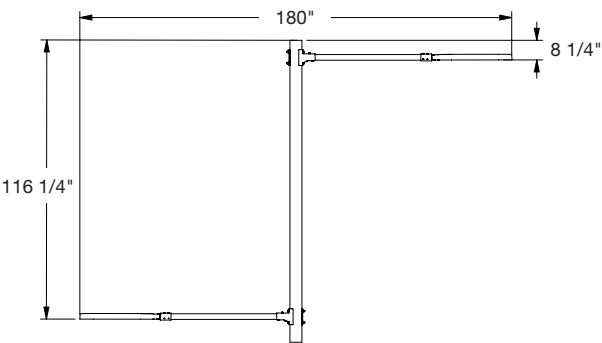


Luminaire Dimensions with 53" Arm and Weights



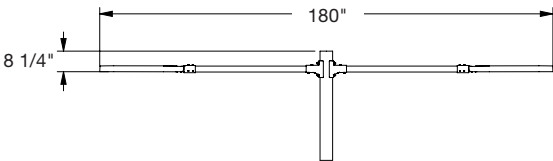
16-A, 20-A, 25-A, 30-A

CLB-SS-53
Weight: 35.7 lbs



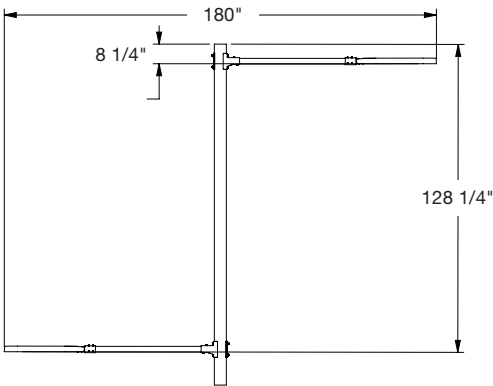
25-C

CLB-SS-53
Weight: 71.4 lbs



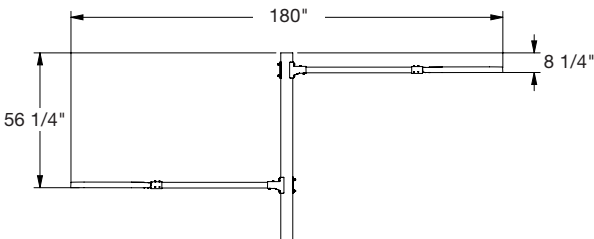
16-B, 20-B, 25-B, 30-B

CLB-BB-53
Weight: 61.1 lbs



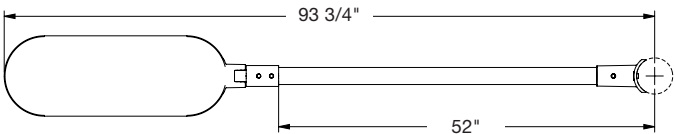
30-C

CLB-SS-53
Weight: 71.4 lbs



20-C

CLB-SS-53
Weight: 71.4 lbs



Specification Sheet | CLF100

Aluminum Pole Wind Load Chart

Part Number	Pole Description	Wall Thickness (in)	# of Luminaires	Luminaire + 53" Arm		Max Wind Speed (MPH)	Base Overturning (ft-lbf)	Base Shear (lbf)	Max EPA (ft²)				
				Total Weight (lbs)	Total EPA (ft²)				90 MPH	100 MPH	110 MPH	120 MPH	130 MPH
CLP-16-A	5" x 16' Pole, Single Luminaire	0.125	1	35.70	1.809	130	3630	3630	6.7	5.1	4	3.3	2.7
CLP-16-B	5" x 16' Pole, Back to Back Luminaires	0.156	2	71.40	3.618	130	4720	4720	9.1	7	5.6	4.6	3.8
CLP-20-A	5" x 20' Pole, Single Luminaire	0.188	1	35.70	1.809	130	5400	5400	7.6	5.7	4.5	3.6	2.9
CLP-20-B	5" x 20' Pole, Back to Back Luminaires	0.188	2	71.40	3.618	120	5400	5400	7.6	5.7	4.5	3.6	-
CLP-20-C	5" x 20' Pole, Staggered Height Luminaires	0.188	2	71.40	3.618	120	5400	5400	7.6	5.7	4.5	3.6	-
CLP-25-A	6" x 5" 25' Tapered Pole, Single Luminaire	0.156	1	35.70	1.809	130	6790	6790	6	4.4	3.4	2.6	2.1
CLP-25-B	6" x 5" 25' Tapered Pole, Back to Back Luminaires	0.188	2	71.40	3.618	120	8000	8000	8.2	6.2	4.9	3.9	-
CLP-25-C	6" x 5" 25' Step Pole, Staggered Height Luminaires	0.188	2	71.40	3.618	130	8000	8000	8.2	6.2	4.9	3.9	3.1
CLP-30-A	7" x 5" 30' Tapered Pole, Single Luminaire	0.156	1	35.70	1.809	130	9400	9400	6.3	4.7	3.6	2.7	2.1
CLP-30-B	7" x 5" 30' Tapered Pole, Back to Back Luminaires	0.188	2	71.40	3.618	120	11300	11300	8.8	6.7	5.2	4.1	-
CLP-30-C	7" x 5" 30' Step Pole, Staggered Height Luminaires	0.188	2	71.40	3.618	120	11300	11300	7.3	5.4	4.1	3.2	-

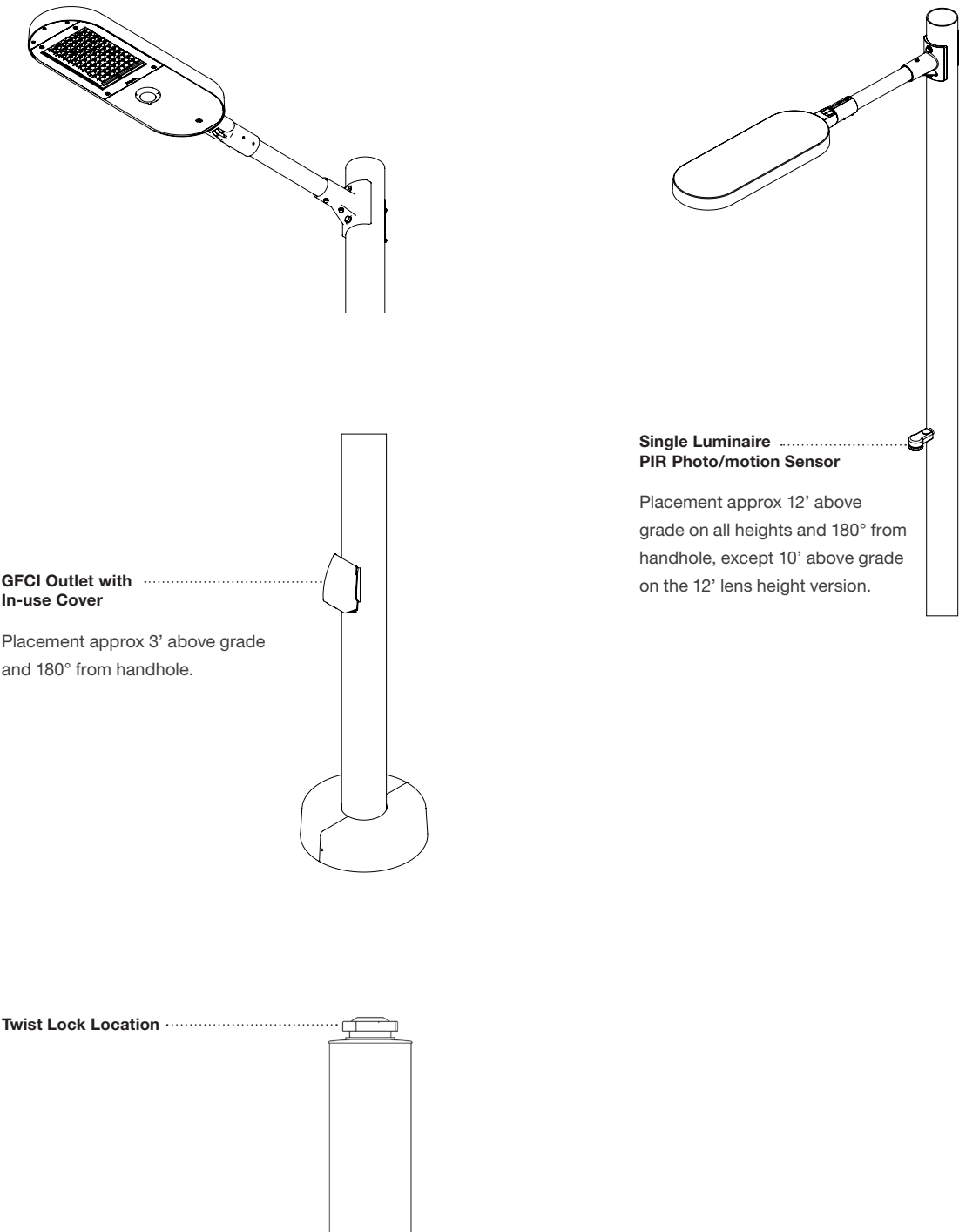
Generic weight added for max EPA calcs: 50lbs

Steel Pole Wind Load Chart

Part Number	Pole Description	Wall Thickness (in)	# of Luminaires	Luminaire + 53" Arm		Max Wind Speed (MPH)	Base Overturning (ft-lbf)	Base Shear (lbf)	Max EPA (ft²)				
				Total Weight (lbs)	Total EPA (ft²)				90 MPH	100 MPH	110 MPH	120 MPH	130 MPH
CLP-16-A-ST	16' Pole, Single Luminaire	0.120	1	35.70	1.809	160	4031	370	9.1	6.7	5.3	4.1	3.4
CLP-16-B-ST	16' Pole, Back to Back Luminaires	0.120	2	71.40	3.618	140	4893	401	6	4.63	3.5	2.9	2.4
CLP-20-A-ST	20' Pole, Single Luminaire	0.120	1	35.70	1.809	180	6485	477	10.2	8.3	6.6	5.1	4
CLP-20-B-ST	20' Pole, Back to Back Luminaires	0.120	2	71.40	3.618	140	6744	457	5.2	3.9	3.1	2.5	2
CLP-20-C-ST	20' Pole, Staggered Height Luminaires	0.120	2	71.40	3.618	140	6291	453	5.8	4.57	3.6	2.9	2.35
CLP-25-A-ST	25' Pole, Single Luminaire	0.120	1	35.70	1.809	130	6441	409	5.2	4	3.1	2.4	1.81
CLP-25-B-ST	25' Pole, Back to Back Luminaires	0.180	2	71.40	3.618	120	7863	451	3.7	2.8	2.2	1.85	1.4
CLP-25-C-ST	25' Pole, Staggered Height Luminaires	0.180	2	71.40	3.618	130	7808	487	5	3.8	2.9	2.3	1.81
CLP-30-A-ST	30' Pole, Single Luminaire	0.180	1	35.70	1.809	110	7611	415	4.5	3	2	1.5	1
CLP-30-B-ST	30' Pole, Back to Back Luminaires	0.180	2	71.40	3.618	90	7457	374	2.1	1.3	0.9	0.6	0.4
CLP-30-C-ST	30' Pole, Staggered Height Luminaires	0.180	2	71.40	3.618	90	7179	373	2.3	1.5	1	0.75	0.5

Generic weight added for max EPA calcs: 50lbs

Luminaire & Pole Accessories



Luminaire Performance Data - 3000K

LED count	Drive current	Distribution Type	HSS	Output (lm)	Efficacy (lm/W)	Input Power (W)	BUG
24	LO	TII	N	3085	114	27	B1 - U1 - G1
			Y	2155	80	27	B0 - U1 - G0
		TII+III	N	2995	111	27	B1 - U1 - G1
			Y	2009	74	27	B0 - U1 - G0
		TIII	N	2905	108	27	B1 - U1 - G1
			Y	1868	69	27	B0 - U1 - G0
		TIV	N	3021	112	27	B1 - U1 - G1
			Y	2072	77	27	B0 - U1 - G0
	SO	TII	N	4220	111	38	B1 - U1 - G1
			Y	2948	78	38	B1 - U1 - G0
		TII+III	N	4097	108	38	B1 - U1 - G1
			Y	2748	72	38	B0 - U1 - G0
		TIII	N	3974	105	38	B1 - U1 - G1
			Y	2556	67	38	B0 - U1 - G0
		TIV	N	4134	109	38	B1 - U1 - G1
			Y	2836	75	38	B0 - U1 - G0
	HO	TII	N	5540	105	53	B2 - U1 - G2
			Y	3870	73	53	B1 - U2 - G0
		TII+III	N	5379	101	53	B1 - U1 - G1
			Y	3608	68	53	B1 - U1 - G0
		TIII	N	5217	98	53	B1 - U1 - G1
			Y	3355	63	53	B0 - U1 - G1
		TIV	N	5427	102	53	B1 - U2 - G1
			Y	3723	70	53	B0 - U1 - G1

This data is subject to change.

Apply 0.54 multiplier for PCA, 0.88 for 2200K, 1.0 for 2700K, and 1.10 for 4000K color temperatures.

Complete IES files for all CCTs available from the website

Luminaire Performance Data - 3000K

LED count	Drive current	Distribution Type	HSS	Output (lm)	Efficacy (lm/W)	Input Power (W)	BUG
48	LO	TII	N	6269	123	51	B2 - U1 - G2
			Y	4379	86	51	B1 - U2 - G0
		TII+III	N	6087	119	51	B1 - U1 - G1
			Y	4083	80	51	B1 - U1 - G1
		TIII	N	5904	116	51	B1 - U1 - G1
			Y	3797	74	51	B0 - U1 - G1
		TIV	N	6141	120	51	B1 - U2 - G1
			Y	4213	83	51	B1 - U1 - G1
	SO	TII	N	8528	117	73	B2 - U1 - G2
			Y	5957	82	73	B1 - U2 - G1
		TII+III	N	8279	113	73	B2 - U1 - G2
			Y	5554	76	73	B1 - U1 - G1
		TIII	N	8031	110	73	B1 - U1 - G1
			Y	5165	71	73	B0 - U1 - G1
		TIV	N	8353	114	73	B2 - U2 - G2
			Y	5730	78	73	B1 - U1 - G1
	HO	TII	N	11112	109	102	B3 - U1 - G3
			Y	7761	76	102	B1 - U2 - G1
		TII+III	N	10788	106	102	B2 - U1 - G2
			Y	7237	71	102	B1 - U1 - G1
		TIII	N	10465	103	102	B2 - U1 - G2
			Y	6730	66	102	B0 - U1 - G1
		TIV	N	10885	107	102	B2 - U2 - G2
			Y	7467	73	102	B1 - U1 - G1

This data is subject to change.

Apply 0.54 multiplier for PCA, 0.88 for 2200K, 1.0 for 2700K, and 1.10 for 4000K color temperatures.

Complete IES files for all CCTs available from the website

Luminaire Performance Data - 3000K

LED count	Drive current	Distribution Type	HSS	Output (lm)	Efficacy (lm/W)	Input Power (W)	BUG
72	LO	TII	N	9312	119	78	B2 - U1 - G2
			Y	6504	83	78	B1 - U2 - G1
		TII+III	N	9041	116	78	B2 - U1 - G2
			Y	6065	78	78	B1 - U1 - G1
		TIII	N	8770	112	78	B1 - U1 - G1
			Y	5640	72	78	B0 - U1 - G1
		TIV	N	9122	117	78	B2 - U2 - G2
			Y	6258	80	78	B1 - U1 - G1
	SO	TII	N	12593	113	111	B3 - U1 - G3
			Y	8796	79	111	B1 - U2 - G1
		TII+III	N	12226	110	111	B2 - U1 - G2
			Y	8201	74	111	B1 - U1 - G1
		TIII	N	11859	107	111	B2 - U1 - G2
			Y	7627	69	111	B1 - U1 - G1
		TIV	N	12336	111	111	B2 - U2 - G2
			Y	8462	76	111	B1 - U1 - G2
	HO	TII	N	16288	104	157	B3 - U1 - G3
			Y	11377	73	156	B2 - U2 - G1
		TII+III	N	15814	101	157	B3 - U1 - G3
			Y	10608	68	156	B1 - U2 - G2
		TIII	N	15339	98	157	B2 - U1 - G2
			Y	9865	63	157	B1 - U1 - G2
		TIV	N	15955	102	156	B3 - U2 - G3
			Y	10945	70	156	B1 - U1 - G2

This data is subject to change.

Apply 0.54 multiplier for PCA, 0.88 for 2200K, 1.0 for 2700K, and 1.10 for 4000K color temperatures.

Complete IES files for all CCTs available from the website

Luminaire Performance Data - 3000K

LED count	Drive current	Distribution Type	HSS	Output (lm)	Efficacy (lm/W)	Input Power (W)	BUG
96	LO	TII	N	11821	118	100	B3 - U1 - G3
			Y	8257	83	99	B1 - U2 - G1
		TII+III	N	11477	115	100	B2 - U1 - G2
			Y	7699	77	100	B1 - U1 - G1
		TIII	N	11132	111	100	B2 - U1 - G2
			Y	7159	72	99	B0 - U1 - G1
		TIV	N	11579	116	100	B2 - U2 - G2
			Y	7943	79	101	B1 - U1 - G1
	SO	TII	N	16161	111	146	B3 - U1 - G3
			Y	11288	78	145	B2 - U2 - G1
		TII+III	N	15690	108	145	B3 - U1 - G3
			Y	10525	73	144	B1 - U2 - G2
		TIII	N	15219	105	145	B2 - U1 - G2
			Y	9788	68	144	B1 - U1 - G2
		TIV	N	15831	109	145	B3 - U2 - G3
			Y	10860	75	145	B1 - U1 - G2
	HO	TII	N	21277	105	203	B3 - U2 - G3
			Y	14861	74	201	B2 - U3 - G1
		TII+III	N	20657	102	203	B3 - U2 - G3
			Y	13857	69	201	B1 - U2 - G2
		TIII	N	20037	99	202	B3 - U2 - G3
			Y	12886	64	201	B1 - U2 - G2
		TIV	N	20842	103	202	B3 - U2 - G3
			Y	14297	71	201	B1 - U2 - G2

This data is subject to change.

Apply 0.54 multiplier for PCA, 0.88 for 2200K, 1.0 for 2700K, and 1.10 for 4000K color temperatures.

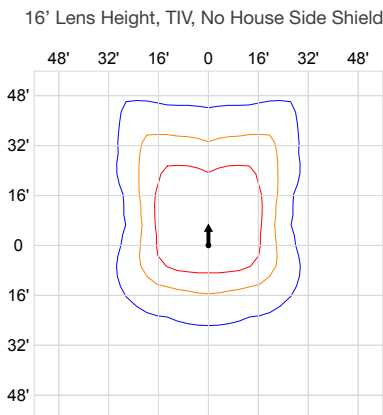
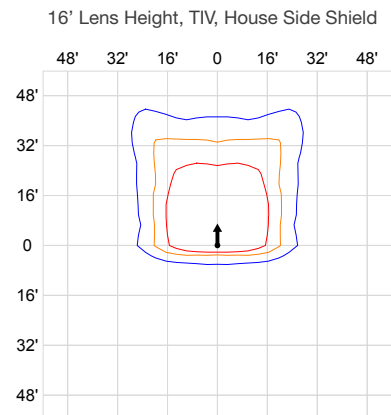
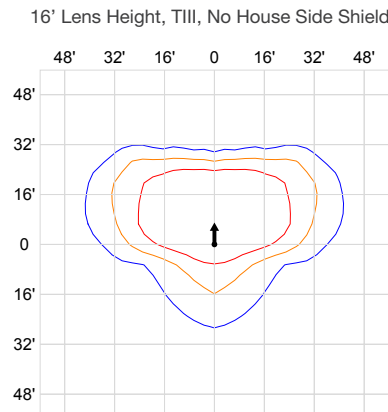
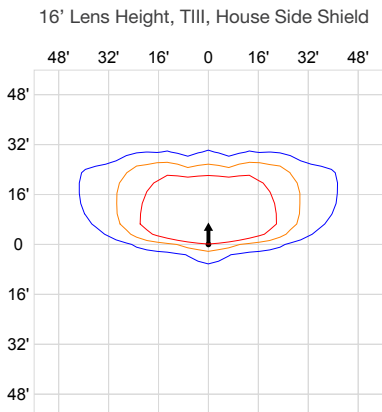
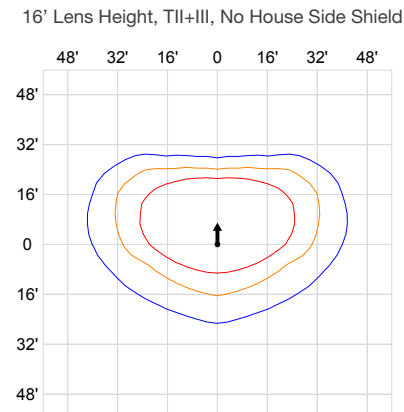
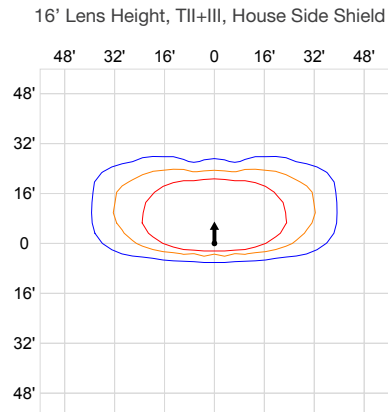
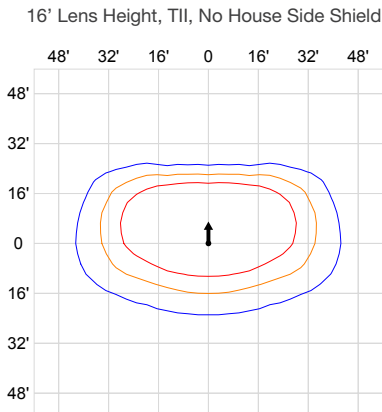
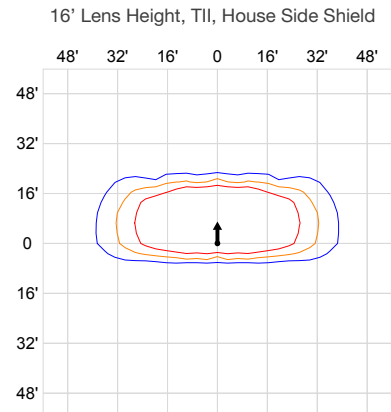
Complete IES files for all CCTs available from the website

Specification Sheet | CLF100

100 Series - 24 LED SO CLR lens at 16'

Performance light engine @ 3000K

1.0fc 0.5fc 0.2fc

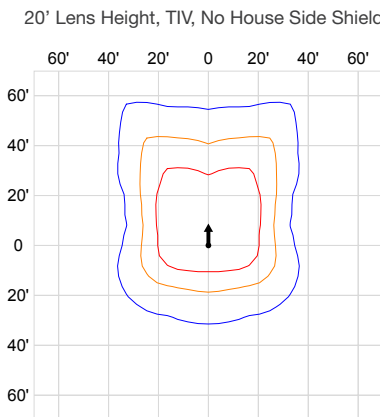
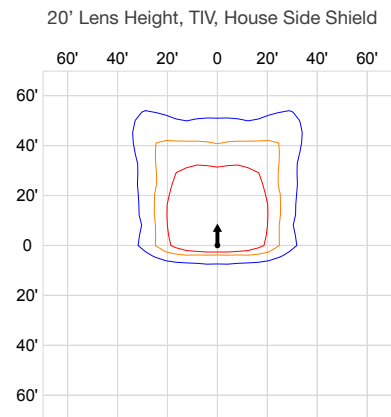
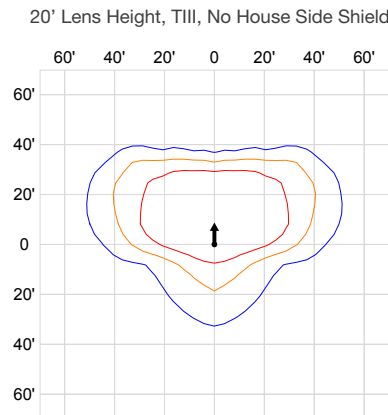
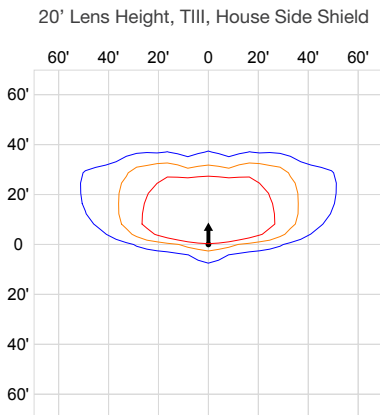
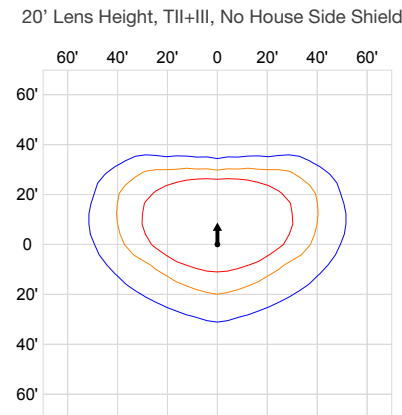
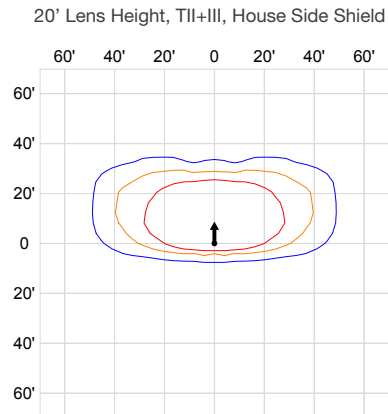
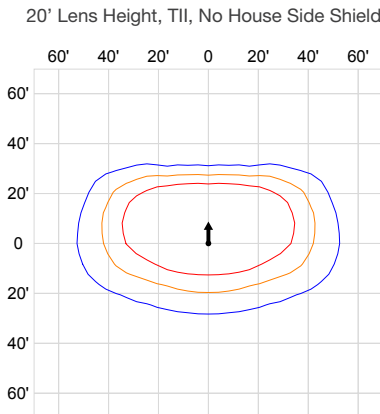
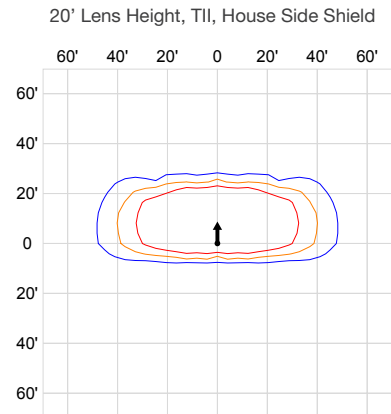


Specification Sheet | CLF100

100 Series - 48 LED LO CLR lens at 20'

Performance light engine @ 3000K

1.0fc 0.5fc 0.2fc

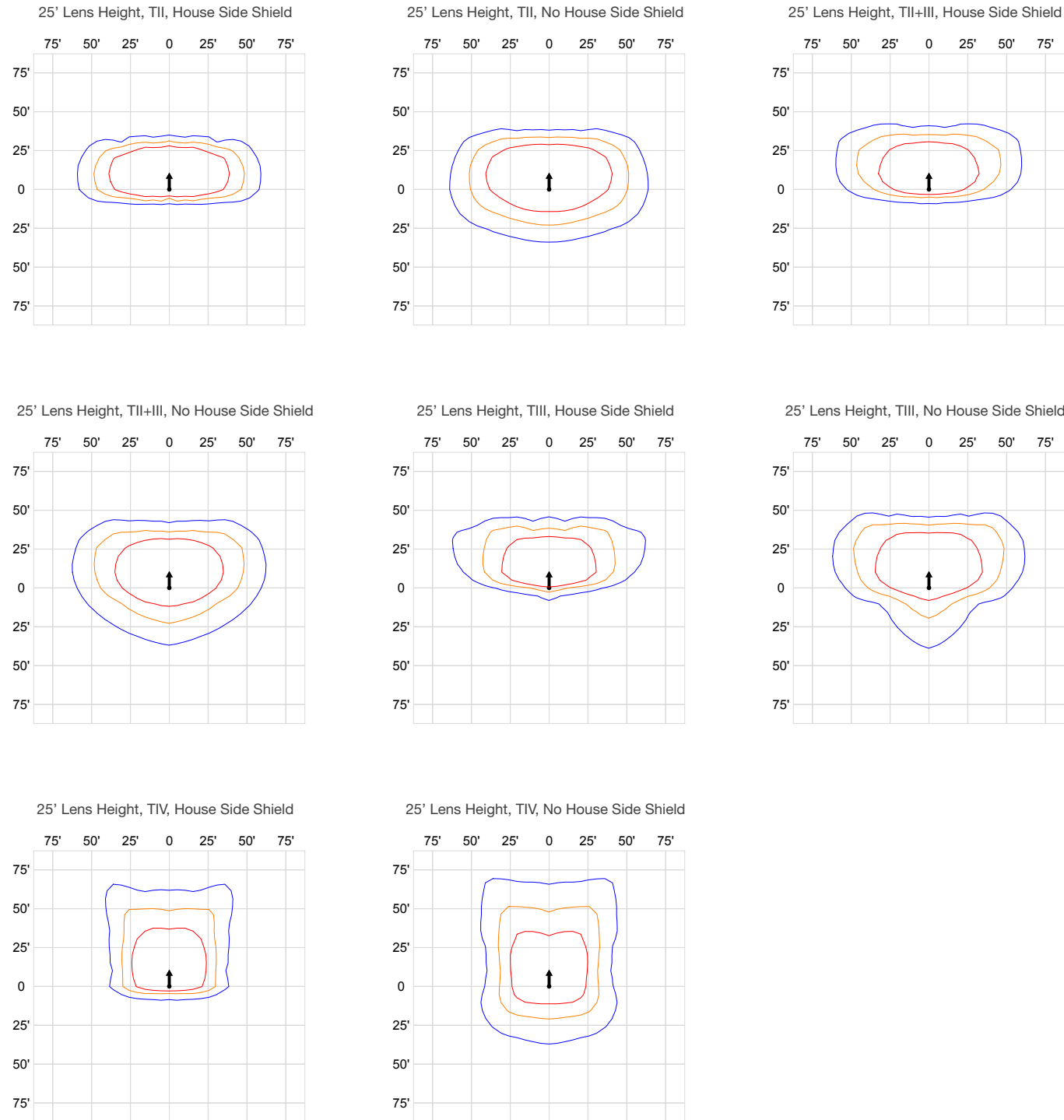


Specification Sheet | CLF100

100 Series - 48 LED LO CLR lens at 25'

Performance light engine @ 3000K

1.0fc 0.5fc 0.2fc



Powdercoated Metal*

		
Medium Grey RAL 9007 (UMG)	Dark Grey RAL 7024 (UDG)	Aluminum Silver (UAS)

Powdercoated Metal

Urbidermis luminaire and mounting brackets are powdercoated using a thermal coating finish with C3 anti-corrosive protection.

The poles are finished with Powdercoated Metal Pangard II® Polyester Powdercoat, a hard, yet flexible, finish that resists rusting, chipping, peeling and fading. In addition to colors shown, a wide selection of optional and custom colors may be specified for an upcharge.

* All colors and patterns shown are approximate and may vary from sample and final.

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