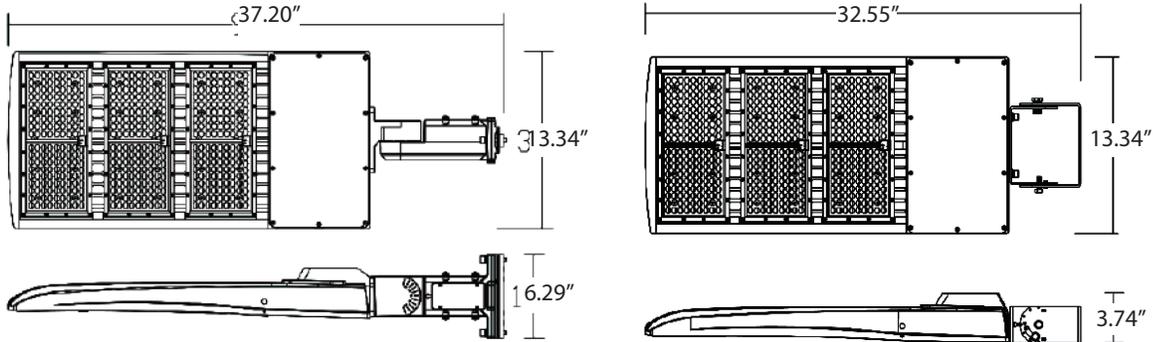# i10
LED Area Light

i10 LED Area Light

Beyond LED Technology's i10 Area light is the most economical and newest 2021 model. Our i10 Area light offers high lumen's per watt for maximum power savings and rebates from power companies. Our i10 Area light is
a perfect solution for lighting parking areas, loading docks and other general lighting applications.

- High Efficacy LumiLEDs
- Ultra thin sleek design
- Up to 120 lumens per watt
- Several bracket options
- Heat resistant polycarbonate optical lens
- Die Cast Aluminum in Bronze
- Universal 100-277Vac
- UL & DLC Listed
- 5 Year Warranty

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450W

SKU #	Model #	Housing	Watts	Lumens	CCT	Input Voltage	IP	Tier 1 1-24	Tier 2 24-49	Tier 3 50+
151695	BLT-S-G07-450WCT3B2-BH3RPDM50	Bronze	450W	54000Lm	5000K	100-277V	IP65	$309.99	$299.99	$289.99

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150W Distribution Diagram

Luminous Intensity Distribution Curve

Unit: cd

Average Diffuse Angle(50%): 127.2°

—— C0-C180　　—— C90-C270　　– - G70
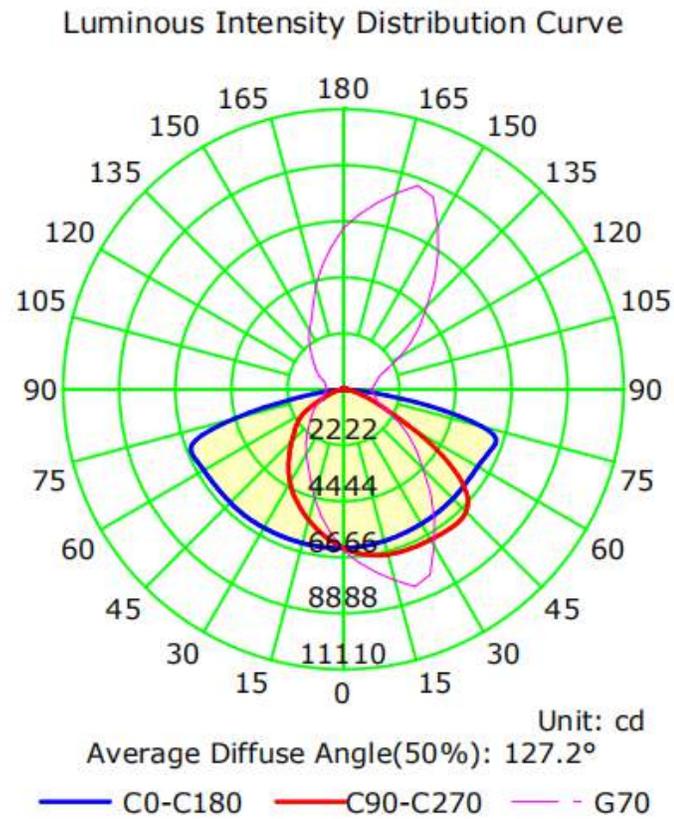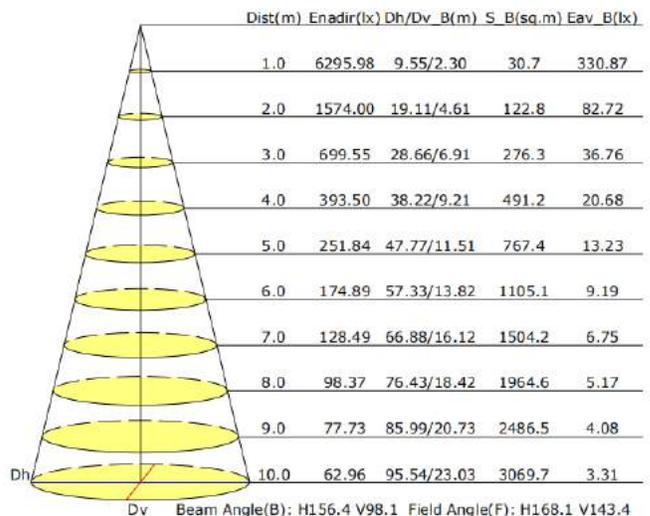
Luminaire Manufacturer:
Voltage: 120.2 V
Power: 153.10 W

Photometric Results

IES Classification: Type III
Total Rated Lamp Lumens: 25178.7 lm
Efficiency: 100%
Upward Ratio: 1%
Central Intensity: 6295.98 cd
Pos of Max. Intensity: H157.5 V70

Current: 1.276 A
Power Factor: 0.998

Longitudinal Classification: Medium
Measurement Flux: 25178.7 lm
Downward Ratio: 99%
Luminaire Efficacy Rating (LER): 164.51
Max. Intensity: 8888.45 cd

Illuminance at a Distance(Beam Angle)

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	6295.98	9.55/2.30	30.7	330.87
2.0	1574.00	19.11/4.61	122.8	82.72
3.0	699.55	28.66/6.91	276.3	36.76
4.0	393.50	38.22/9.21	491.2	20.68
5.0	251.84	47.77/11.51	767.4	13.23
6.0	174.89	57.33/13.82	1105.1	9.19
7.0	128.49	66.88/16.12	1504.2	6.75
8.0	98.37	76.43/18.42	1964.6	5.17
9.0	77.73	85.99/20.73	2486.5	4.08
10.0	62.96	95.54/23.03	3069.7	3.31

Beam Angle(B): H156.4 V98.1　Field Angle(F): H168.1 V143.4

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LED AREA LIGHTS

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240W Distribution Diagram

Luminous Intensity Distribution Curve

Unit: cd
Average Diffuse Angle(50%): 126.1°

— C0-C180   — C90-C270

Illuminance at a Distance

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	10371.84	9.29/2.24	31.5	530.07
2.0	2592.96	18.58/4.48	126.1	132.52
3.0	1152.43	27.87/6.72	283.8	58.90
4.0	648.24	37.16/8.96	504.5	33.13
5.0	414.87	46.45/11.20	788.2	21.20
6.0	288.11	55.74/13.44	1135.0	14.72
7.0	211.67	65.03/15.68	1544.9	10.82
8.0	162.06	74.32/17.92	2017.8	8.28
9.0	128.05	83.61/20.16	2553.8	6.54
10.0	103.72	92.90/22.40	3152.8	5.30

Beam Angle(B): H155.7 V96.5   Field Angle(F): H167.4 V142.8

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300W Distribution Diagram

Luminous Intensity Distribution Curve

Unit: cd

Average Diffuse Angle(50%): 125.3°

— C0-C180   — C90-C270   — G68
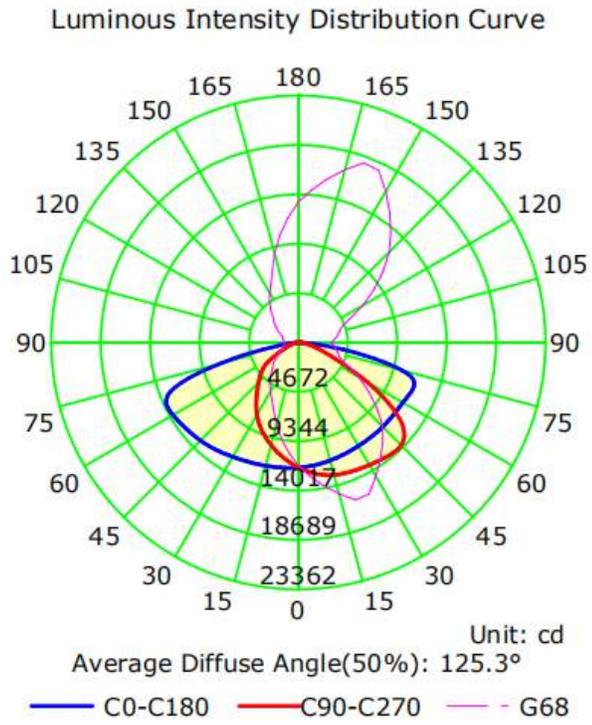
Luminaire Property

Luminaire Manufacturer:
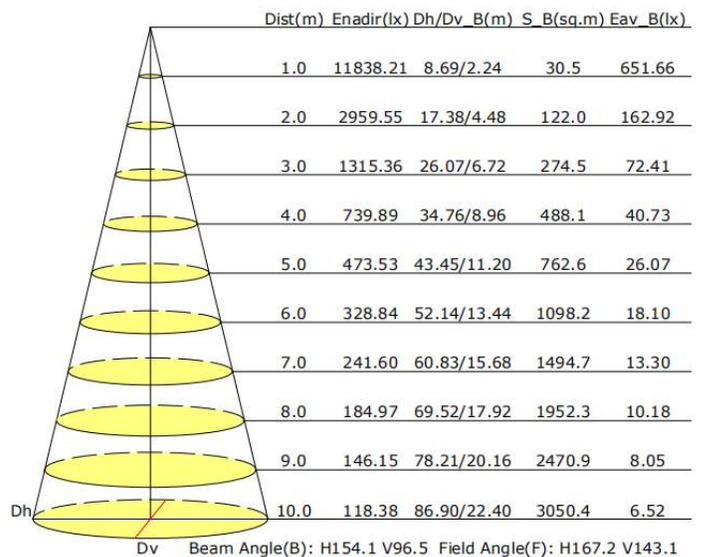Voltage: 120.7 V
Power: 303.00 W

Photometric Results

IES Classification: Type III
Total Rated Lamp Lumens: 49132.1 lm
Efficiency: 100%
Upward Ratio: 1%
Central Intensity: 11838.21 cd
Pos of Max. Intensity: H157.5 V68

Current: 2.512 A
Power Factor: 0.999

Longitudinal Classification: Medium
Measurement Flux: 49132.1 lm
Downward Ratio: 99%
Luminaire Efficacy Rating (LER): 162.20
Max. Intensity: 18689.78 cd

Illuminance at a Distance(Beam Angle)

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	11838.21	8.69/2.24	30.5	651.66
2.0	2959.55	17.38/4.48	122.0	162.92
3.0	1315.36	26.07/6.72	274.5	72.41
4.0	739.89	34.76/8.96	488.1	40.73
5.0	473.53	43.45/11.20	762.6	26.07
6.0	328.84	52.14/13.44	1098.2	18.10
7.0	241.60	60.83/15.68	1494.7	13.30
8.0	184.97	69.52/17.92	1952.3	10.18
9.0	146.15	78.21/20.16	2470.9	8.05
10.0	118.38	86.90/22.40	3050.4	6.52

Beam Angle(B): H154.1 V96.5   Field Angle(F): H167.2 V143.1

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450W Distribution Diagram

Luminous Intensity Distribution Curve

Unit: cd

Average Diffuse Angle(50%): 124.0°

— C0-C180   — C90-C270

The Average Illuminance Effective Figure

Height	Avg./Nadir. E	Beam Angle:160.2°	Diameter / Area
1.0m	543.68/ 15169.98lx		11.43m / 102.63sq.m
2.0m	135.92/ 3792.50lx		22.86m / 410.54sq.m
3.0m	60.41/ 1685.55lx		34.29m / 923.71sq.m
4.0m	33.98/ 948.12lx		45.73m / 1642.15sq.m
5.0m	21.75/ 606.80lx		57.16m / 2565.85sq.m
6.0m	15.10/ 421.39lx		68.59m / 3694.83sq.m
7.0m	11.10/ 309.59lx		80.02m / 5029.07sq.m
8.0m	8.49/ 237.03lx		91.45m / 6568.59sq.m
9.0m	6.71/ 187.28lx		102.88m / 8313.37sq.m
10.0m	5.44/ 151.70lx		114.31m / 10263.41sq.m

Flux Out: 55799.75lm

Luminaire Property

Luminaire Manufacturer:
Voltage: 120.3 V
Power: 448.00 W

Photometric Results

IES Classification: Type IV
Total Rated Lamp Lumens: 57631.0 lm
Efficiency: 100%
Upward Ratio: 1%
Central Intensity: 15169.98 cd
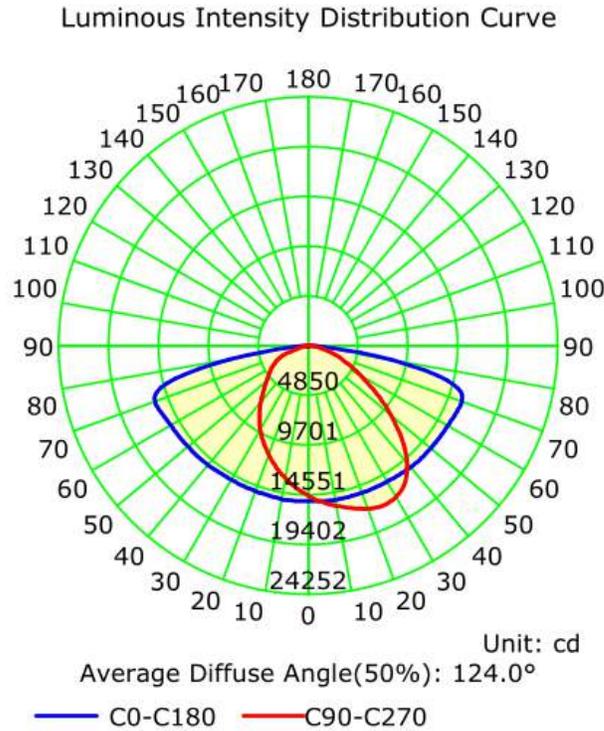Pos of Max. Intensity: H15 V72

Current: 3.742 A
Power Factor: 0.995

Longitudinal Classification: Medium
Measurement Flux: 57631 lm
Downward Ratio: 99%
Luminaire Efficacy Rating (LER): 128.69
Max. Intensity: 19402.29 cd

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Dimensions

Universal Mount

150W
13.1102"
24.1732"
6.29921"

240W/300W
13.1102"
21.9291"
31.8898"
6.29921"

450W
37.2047"
6.29921"
13.3465"

Yoke Mount

150W
13.1102"
19.4094"
2.75591"

240W/300W
13.1102"
27.126"
2.75591"

450W
32.5591"
3.74016"
13.3465"
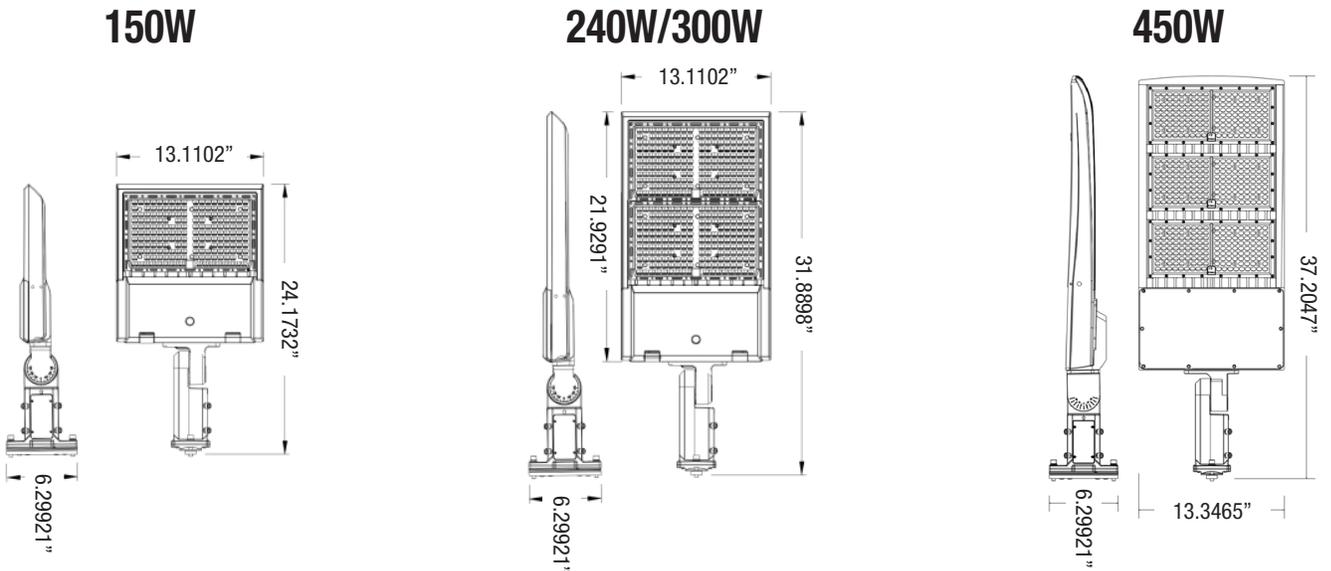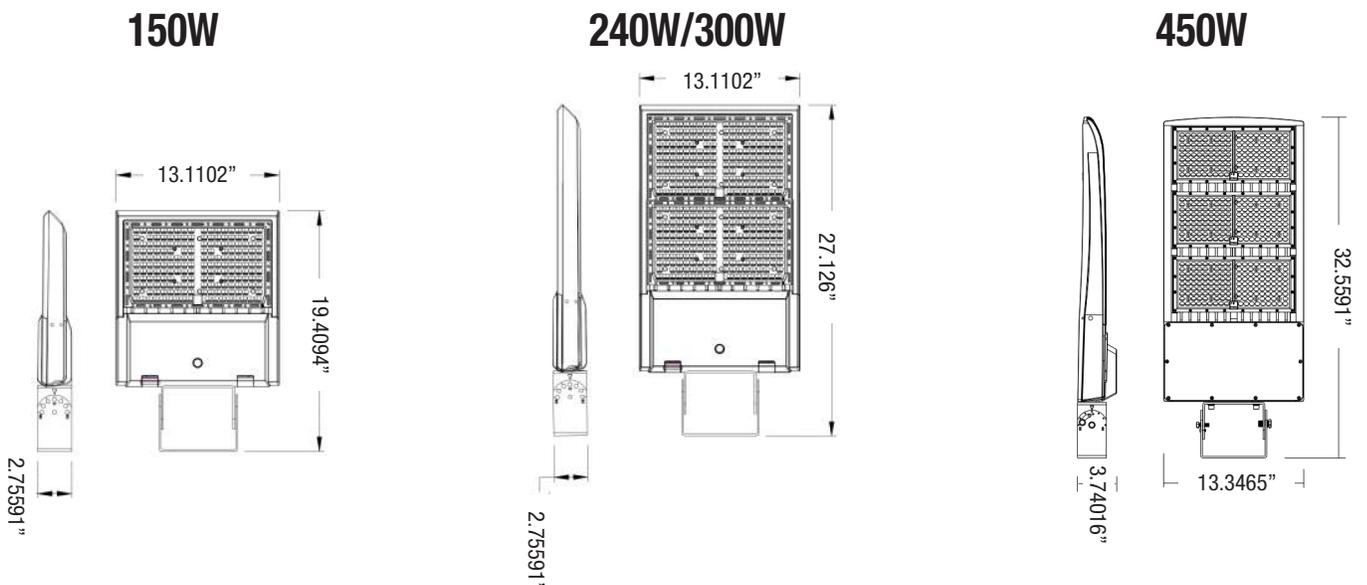
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Packaging

Tolerance of Carton Size: ±0.590551 in, Tolerance of Weight: ±10%.

Model	Pcs/Box	Dimensions	Weight	Pallet Quantity	Pallet Weight	Pallet Dimensions
150W	1	20" X 16" X 7"	14 Lb			
240W	1	28" X 16" X 7"	21 Lb			
300W	1	28" X 16" X 7"	21 Lb			
450W	1					
Yoke Mount	1	10" X 5" X 5"	4 Lb			
Universal Mount	1	10" X 5" X 5"	6 Lb			

User Notice

• Please turn off the power before installing or changing assembly parts.

• The input voltage and lamps should be matching. Before connecting the power line, please make sure the wiring section is insulated.

• Only professionals should install and disassemble the lamps.

Trouble Shooting

• Flickering light — - Turn off the power and turn on again in 3 minutes. If the same phenomena occurs, then call Support.

• Not working — - Please check all power connections.

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Application

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