



TW SL-150CR

(LED street light)

world wide
truly technology



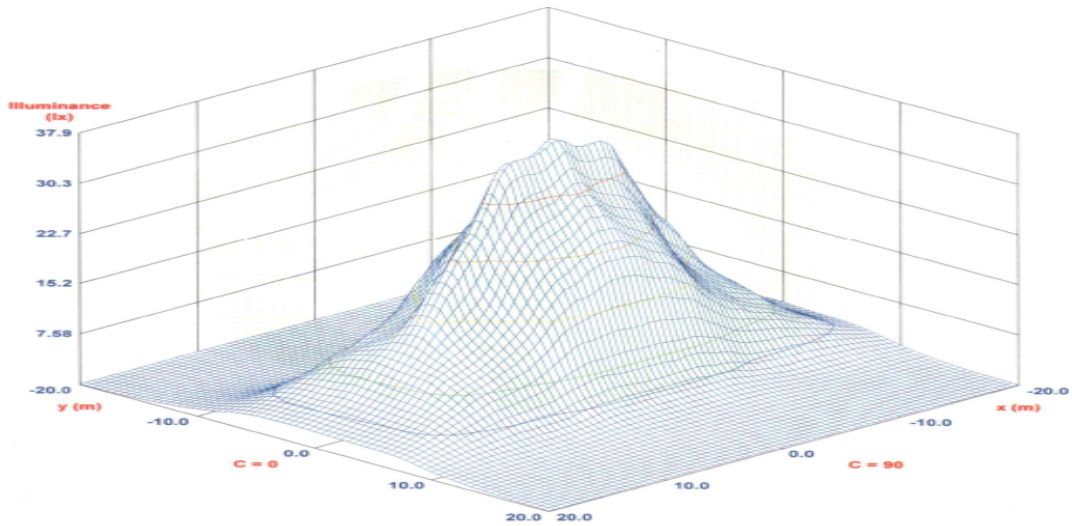
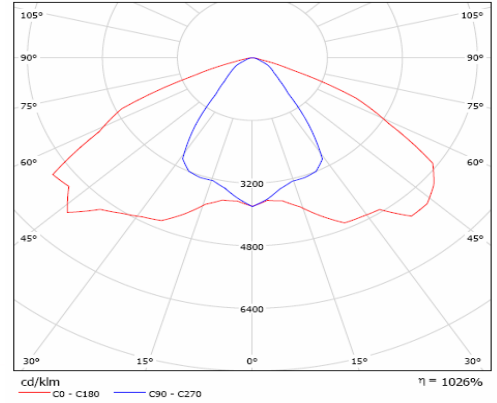
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본 자료는 (주)트루와이드 자산이며 무단 배포를 금지합니다.



IsoLux 3D



항목	SPEC
Input Voltage	196VAC ~ 263VAC 50Hz ~ 60Hz Single Phase
Color Temperature	7200K [Cool White]
LED Luminous Efficiency	67.15lm/W [Cool White]
Luminous Flux	10258lm
Beam Angle	120° X 60°
Color Index (CRI)	Ra >76 [Cool White]
Life Time	50000hr ~ 70000hr
Working Temp.	-30℃ ~ 50℃
Water flood	IP66
Weight	13.26Kg
Size	669 X 388 X 126.5 (mm)

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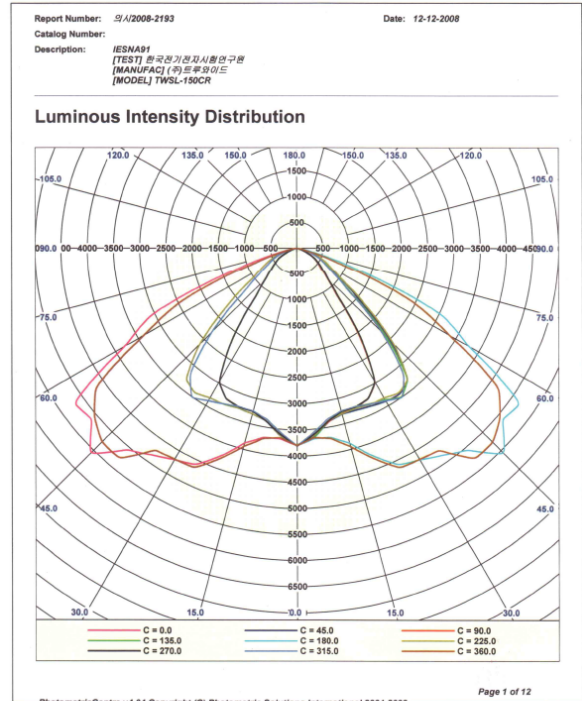
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시험 결과

시험 항목	기준	단위	시험 결과
광도분포	KS C 8000 부속서 1에 의해 측정 할 것. (단 위 : cd / 1 000 lm)	-	합격
구 분	실측치	-	0.975
광효율	실측치	lm/W	67.15

비 고 : 1. 시험주위 환경 : 온도 25 °C, 습도 40 %
2. 정격입력전압 : AC 220 V 60 Hz
3. MODEL TWSL-150CR

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K.E.T.I.
692-8, Geumjung-Dong, Gunpo-City, Gyunggi-Do, Korea.
Tel: +82 31 428 7534
Fax: +82 31 455 7644
www.keeti.re.kr

Report Number: 09/2008-2193 Date: 12-12-2008
Catalog Number:
Description: IESNA91
[TEST] 한국전기전자시험연구원
[MANUFAC] (주)트루와이드
[MODEL] TWSL-150CR

Luminous Flux Table

Elevation	Cone	Lumens	Cumulative	Luminaire %
0	0.00°- 2.50	22.7	22.7	0.2
5	2.50°- 7.50	173.2	155.9	1.9
10	7.50°- 12.50	329.9	525.8	5.1
15	12.50°- 17.50	486.1	1011.9	9.9
20	17.50°- 22.50	656.0	1667.9	16.3
25	22.50°- 27.50	824.7	2492.6	24.3
30	27.50°- 32.50	972.5	3465.1	33.8
35	32.50°- 37.50	1048.3	4513.4	44.0
40	37.50°- 42.50	1015.8	5529.3	53.9
45	42.50°- 47.50	974.3	6503.6	63.4
50	47.50°- 52.50	937.9	7441.5	72.5
55	52.50°- 57.50	948.0	8389.4	81.8
60	57.50°- 62.50	771.7	9161.1	89.3
65	62.50°- 67.50	678.9	9740.0	95.0
70	67.50°- 72.50	311.7	10051.7	98.0
75	72.50°- 77.50	132.2	10184.9	99.3
80	77.50°- 82.50	50.6	10235.5	99.8
85	82.50°- 87.50	19.0	10254.5	100.0
90	87.50°- 90.00	4.2	10258.7	100.0

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K.E.T.I.
692-8, Geumjung-Dong, Gunpo-City, Gyunggi-Do, Korea.
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Illumination Levels

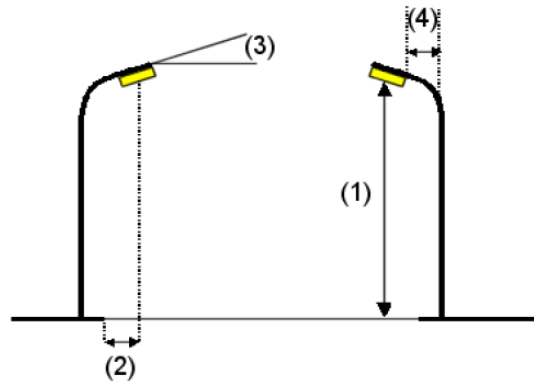
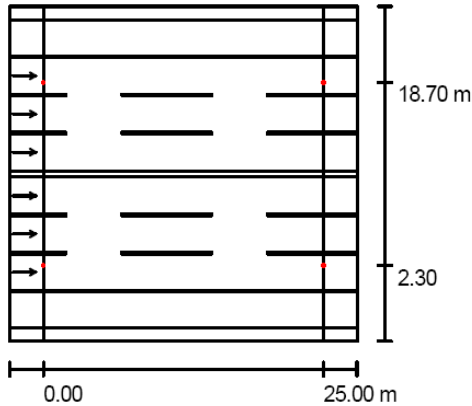
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(m)	0.15	0.17	0.19	0.21	0.23	0.25	0.27	0.29	0.31	0.33	0.35	0.37	0.39	0.41	0.43	0.45	0.47	0.49	0.51	0.53	0.55	0.57	0.59	0.61	0.63	0.65	0.67	0.69	0.71	0.73	0.75	0.77	0.79	0.81	0.83	0.85	0.87	0.89	0.91	0.93	0.95	0.97	0.99	1.01	1.03	1.05	1.07	1.09	1.11	1.13	1.15	1.17	1.19	1.21	1.23	1.25	1.27	1.29	1.31	1.33	1.35	1.37	1.39	1.41	1.43	1.45	1.47	1.49	1.51	1.53	1.55	1.57	1.59	1.61	1.63	1.65	1.67	1.69	1.71	1.73	1.75	1.77	1.79	1.81	1.83	1.85	1.87	1.89	1.91	1.93	1.95	1.97	1.99	2.01	2.03	2.05	2.07	2.09	2.11	2.13	2.15	2.17	2.19	2.21	2.23	2.25	2.27	2.29	2.31	2.33	2.35	2.37	2.39	2.41	2.43	2.45	2.47	2.49	2.51	2.53	2.55	2.57	2.59	2.61	2.63	2.65	2.67	2.69	2.71	2.73	2.75	2.77	2.79	2.81	2.83	2.85	2.87	2.89	2.91	2.93	2.95	2.97	2.99	3.01	3.03	3.05	3.07	3.09	3.11	3.13	3.15	3.17	3.19	3.21	3.23	3.25	3.27	3.29	3.31	3.33	3.35	3.37	3.39	3.41	3.43	3.45	3.47	3.49	3.51	3.53	3.55	3.57	3.59	3.61	3.63	3.65	3.67	3.69	3.71	3.73	3.75	3.77	3.79	3.81	3.83	3.85	3.87	3.89	3.91	3.93	3.95	3.97	3.99	4.01	4.03	4.05	4.07	4.09	4.11	4.13	4.15	4.17	4.19	4.21	4.23	4.25	4.27	4.29	4.31	4.33	4.35	4.37	4.39	4.41	4.43	4.45	4.47	4.49	4.51	4.53	4.55	4.57	4.59	4.61	4.63	4.65	4.67	4.69	4.71	4.73	4.75	4.77	4.79	4.81	4.83	4.85	4.87	4.89	4.91	4.93	4.95	4.97	4.99	5.01	5.03	5.05	5.07	5.09	5.11	5.13	5.15	5.17	5.19	5.21	5.23	5.25	5.27	5.29	5.31	5.33	5.35	5.37	5.39	5.41	5.43	5.45	5.47	5.49	5.51	5.53	5.55	5.57	5.59	5.61	5.63	5.65	5.67	5.69	5.71	5.73	5.75	5.77	5.79	5.81	5.83	5.85	5.87	5.89	5.91	5.93	5.95	5.97	5.99	6.01	6.03	6.05	6.07	6.09	6.11	6.13	6.15	6.17	6.19	6.21	6.23	6.25	6.27	6.29	6.31	6.33	6.35	6.37	6.39	6.41	6.43	6.45	6.47	6.49	6.51	6.53	6.55	6.57	6.59	6.61	6.63	6.65	6.67	6.69	6.71	6.73	6.75	6.77	6.79	6.81	6.83	6.85	6.87	6.89	6.91	6.93	6.95	6.97	6.99	7.01	7.03	7.05	7.07	7.09	7.11	7.13	7.15	7.17	7.19	7.21	7.23	7.25	7.27	7.29	7.31	7.33	7.35	7.37	7.39	7.41	7.43	7.45	7.47	7.49	7.51	7.53	7.55	7.57	7.59	7.61	7.63	7.65	7.67	7.69	7.71	7.73	7.75	7.77	7.79	7.81	7.83	7.85	7.87	7.89	7.91	7.93	7.95	7.97	7.99	8.01	8.03	8.05	8.07	8.09	8.11	8.13	8.15	8.17	8.19	8.21	8.23	8.25	8.27	8.29	8.31	8.33	8.35	8.37	8.39	8.41	8.43	8.45	8.47	8.49	8.51	8.53	8.55	8.57	8.59	8.61	8.63	8.65	8.67	8.69	8.71	8.73	8.75	8.77	8.79	8.81	8.83	8.85	8.87	8.89	8.91	8.93	8.95	8.97	8.99	9.01	9.03	9.05	9.07	9.09	9.11	9.13	9.15	9.17	9.19	9.21	9.23	9.25	9.27	9.29	9.31	9.33	9.35	9.37	9.39	9.41	9.43	9.45	9.47	9.49	9.51	9.53	9.55	9.57	9.59	9.61	9.63	9.65	9.67	9.69	9.71	9.73	9.75	9.77	9.79	9.81	9.83	9.85	9.87	9.89	9.91	9.93	9.95	9.97	9.99	10.01	10.03	10.05	10.07	10.09	10.11	10.13	10.15	10.17	10.19	10.21	10.23	10.25	10.27	10.29	10.31	10.33	10.35	10.37	10.39	10.41	10.43	10.45	10.47	10.49	10.51	10.53	10.55	10.57	10.59	10.61	10.63	10.65	10.67	10.69	10.71	10.73	10.75	10.77	10.79	10.81	10.83	10.85	10.87	10.89	10.91	10.93	10.95	10.97	10.99	11.01	11.03	11.05	11.07	11.09	11.11	11.13	11.15	11.17	11.19	11.21	11.23	11.25	11.27	11.29	11.31	11.33	11.35	11.37	11.39	11.41	11.43	11.45	11.47	11.49	11.51	11.53	11.55	11.57	11.59	11.61	11.63	11.65	11.67	11.69	11.71	11.73	11.75	11.77	11.79	11.81	11.83	11.85	11.87	11.89	11.91	11.93	11.95	11.97	11.99	12.01	12.03	12.05	12.07	12.09	12.11	12.13	12.15	12.17	12.19	12.21	12.23	12.25	12.27	12.29	12.31	12.33	12.35	12.37	12.39	12.41	12.43	12.45	12.47	12.49	12.51	12.53	12.55	12.57	12.59	12.61	12.63	12.65	12.67	12.69	12.71	12.73	12.75	12.77	12.79	12.81	12.83	12.85	12.87	12.89	12.91	12.93	12.95	12.97	12.99	13.01	13.03	13.05	13.07	13.09	13.11	13.13	13.15	13.17	13.19	13.21	13.23	13.25	13.27	13.29	13.31	13.33	13.35	13.37	13.39	13.41	13.43	13.45	13.47	13.49	13.51	13.53	13.55	13.57	13.59	13.61	13.63	13.65	13.67	13.69	13.71	13.73	13.75	13.77	13.79	13.81	13.83	13.85	13.87	13.89	13.91	13.93	13.95	13.97	13.99	14.01	14.03	14.05	14.07	14.09	14.11	14.13	14.15	14.17	14.19	14.21	14.23	14.25	14.27	14.29	14.31	14.33	14.35	14.37	14.39	14.41	14.43	14.45	14.47	14.49	14.51	14.53	14.55	14.57	14.59	14.61	14.63	14.65	14.67	14.69	14.71	14.73	14.75	14.77	14.79	14.81	14.83	14.85	14.87	14.89	14.91	14.93	14.95	14.97	14.99	15.01	15.03	15.05	15.07	15.09	15.11	15.13	15.15	15.17	15.19	15.21	15.23	15.25	15.27	15.29	15.31	15.33	15.35	15.37	15.39	15.41	15.43	15.45	15.47	15.49	15.51	15.53	15.55	15.57	15.59	15.61	15.63	15.65	15.67	15.69	15.71	15.73	15.75	15.77	15.79	15.81	15.83	15.85	15.87	15.89	15.91	15.93	15.95	15.97	15.99	16.01	16.03	16.05	16.07	16.09	16.11	16.13	16.15	16.17	16.19	16.21	16.23	16.25	16.27	16.29	16.31	16.33	16.35	16.37	16.39	16.41	16.43	16.45	16.47	16.49	16.51	16.53	16.55	16.57	16.59	16.61	16.63	16.65	16.67	16.69	16.71	16.73	16.75	16.77	16.79	16.81	16.83	16.85	16.87	16.89	16.91	16.93	16.95	16.97	16.99	17.01	17.03	17.05	17.07	17.09	17.11	17.13	17.15	17.17	17.19	17.21	17.23	17.25	17.27	17.29	17.31	17.33	17.35	17.37	17.39	17.41	17.43	17.45	17.47	17.49	17.51	17.53	17.55	17.57	17.59	17.61	17.63	17.65	17.67	17.69	17.71	17.73	17.75	17.77	17.79	17.81	17.83	17.85	17.87	17.89	17.91	17.93	17.95	17.97	17.99	18.01	18.03	18.05	18.07	18.09	18.11	18.13	18.15	18.17	18.19	18.21	18.23	18.25	18.27	18.29	18.31	18.33	18.35	18.37	18.39	18.41	18.43	18.45	18.47	18.49	18.51	18.53	18.55	18.57	18.59	18.61	18.63	18.65	18.67	18.69	18.71	18.73	18.75	18.77	18.79	18.81	18.83	18.85	18.87	18.89	18.91	18.93	18.95	18.97	18.99	19.01	19.03
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TW SL-150CR



본 자료는 (주)트루와이드 자산이며 무단 배포를 금지합니다.

Luminaire Arrangements



Luminaire:	
Luminaire Luminous Flux:	10240 lm
Luminaire Wattage:	150.0 W
Arrangement:	Double row, opposing
Pole Distance:	25.000 m
Mounting Height (1):	10.000 m
Height above working plane:	10.000 m
Overhang (2):	2.300 m
Boom Angle (3):	5.0 °
Boom Length (4):	2.800 m

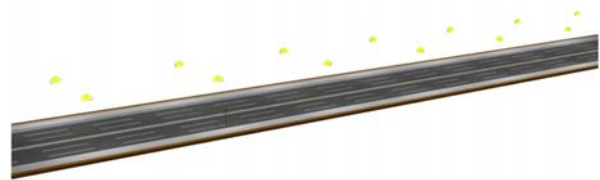
Maximum luminous intensities

at 70°:	1854 cd/klm
at 80°:	285 cd/klm
at 90°:	31 cd/klm

Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

No luminous intensities above 95°.

Arrangement complies with glare index class D.6.



Valuation Field Roadway 2

Length: 25.000 m, Width: 10.250 m
 Grid: 10 x 9 Points
 Accompanying Street Elements: Roadway 2.
 tarmac: R3, q0: 0.070
 Selected Lighting Class: ME4a

(All lighting performance requirements are met.)

	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	1.01	0.7	0.6	3	0.8
Required values according to class:	≥ 0.75	≥ 0.4	≥ 0.6	≤ 15	≥ 0.5
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Valuation Field Roadway 1

Length: 25.000 m, Width: 10.250 m
 Grid: 10 x 9 Points
 Accompanying Street Elements: Roadway 1.
 tarmac: R3, q0: 0.070
 Selected Lighting Class: ME4a

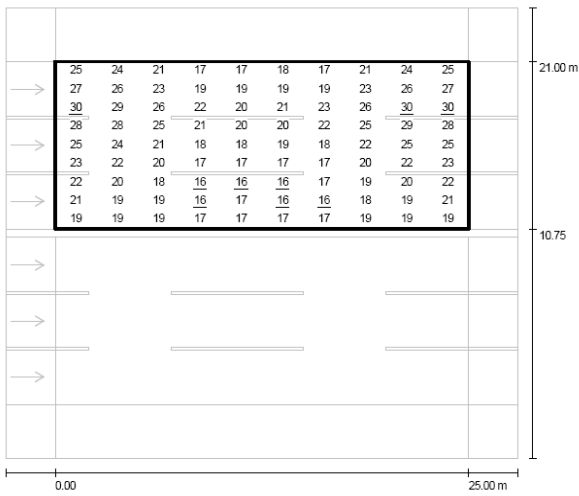
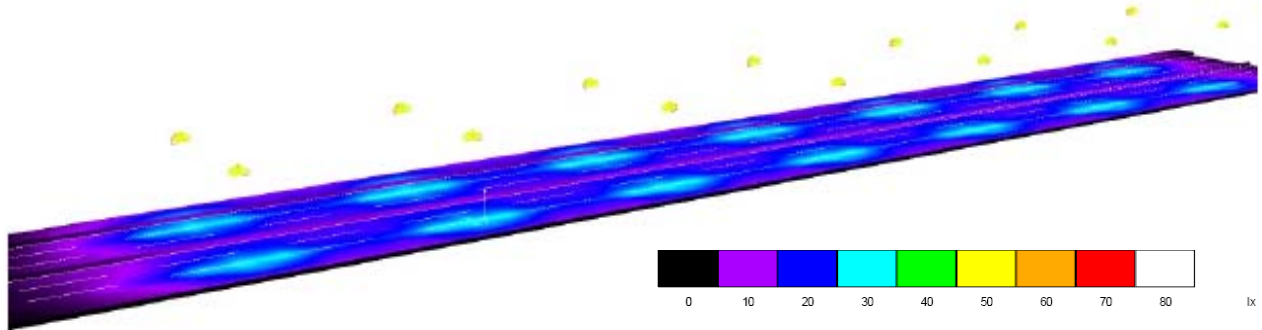
(All lighting performance requirements are met.)

	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	1.04	0.6	0.7	3	0.8
Required values according to class:	≥ 0.75	≥ 0.4	≥ 0.6	≤ 15	≥ 0.5
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

TW SL-150CR



본 자료는 (주)트루와이드 자산이며 무단 배포를 금지합니다.



Values in Lux, Scale 1 : 222

Grid: 10 x 9 Points

E_{av} [lx] 21 E_{min} [lx] 16 E_{max} [lx] 30 $u0$ 0.760 E_{min} / E_{max} 0.534

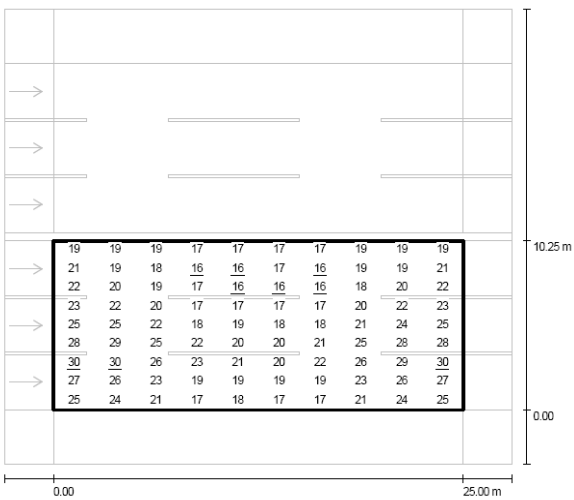


9.681	25	24	21	17	17	18	17	21	24	25
8.542	27	26	23	19	19	19	19	23	26	27
7.403	30	29	26	22	20	21	23	26	30	30
6.264	28	28	25	21	20	20	22	25	29	28
5.125	25	24	21	18	18	19	18	22	25	25
3.986	23	22	20	17	17	17	17	20	22	23
2.847	22	20	18	16	16	16	17	19	20	22
1.708	21	19	19	16	17	16	16	18	19	21
0.569	19	19	19	17	17	17	17	19	19	19
m	1.250	3.750	6.250	8.750	11.250	13.750	16.250	18.750	21.250	23.750

Attention: The coordinates refer to the image above. Values in Lux.

Grid: 10 x 9 Points

E_{av} [lx] 21 E_{min} [lx] 16 E_{max} [lx] 30 $u0$ 0.760 E_{min} / E_{max} 0.534



Values in Lux, Scale 1 : 222

Grid: 10 x 9 Points

E_{av} [lx] 21 E_{min} [lx] 16 E_{max} [lx] 30 $u0$ 0.760 E_{min} / E_{max} 0.534



9.681	19	19	19	17	17	17	17	19	19	19
8.542	21	19	18	16	16	17	16	19	19	21
7.403	22	20	19	17	16	16	16	18	20	22
6.264	23	22	20	17	17	17	17	20	22	23
5.125	25	25	22	18	19	18	18	21	24	25
3.986	28	29	25	22	20	20	21	25	28	28
2.847	30	30	26	23	21	20	22	26	29	30
1.708	27	26	23	19	19	19	19	23	26	27
0.569	25	24	21	17	18	17	17	21	24	25
m	1.250	3.750	6.250	8.750	11.250	13.750	16.250	18.750	21.250	23.750

Attention: The coordinates refer to the image above. Values in Lux.

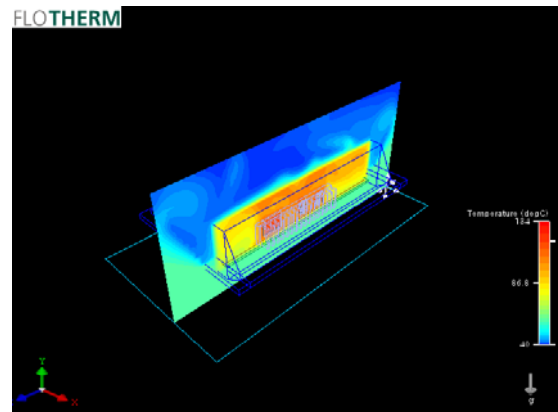
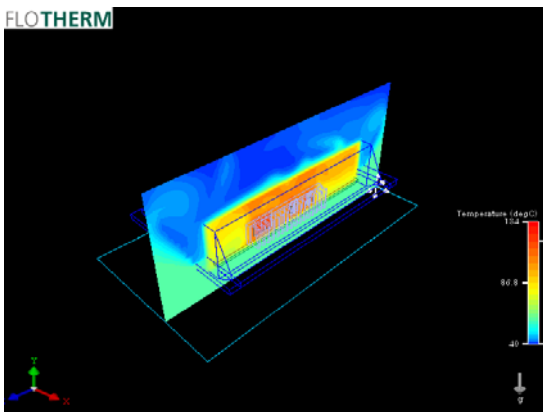
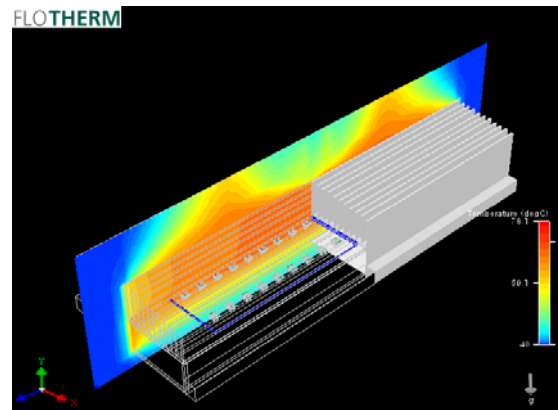
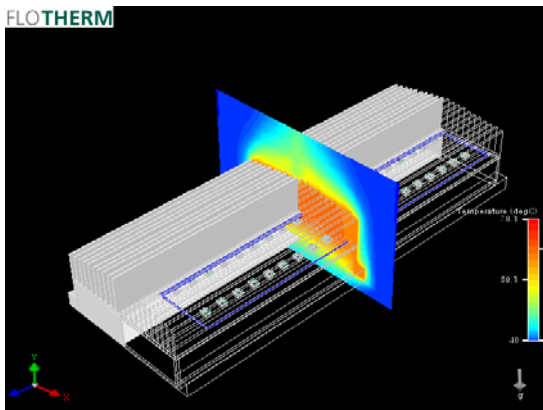
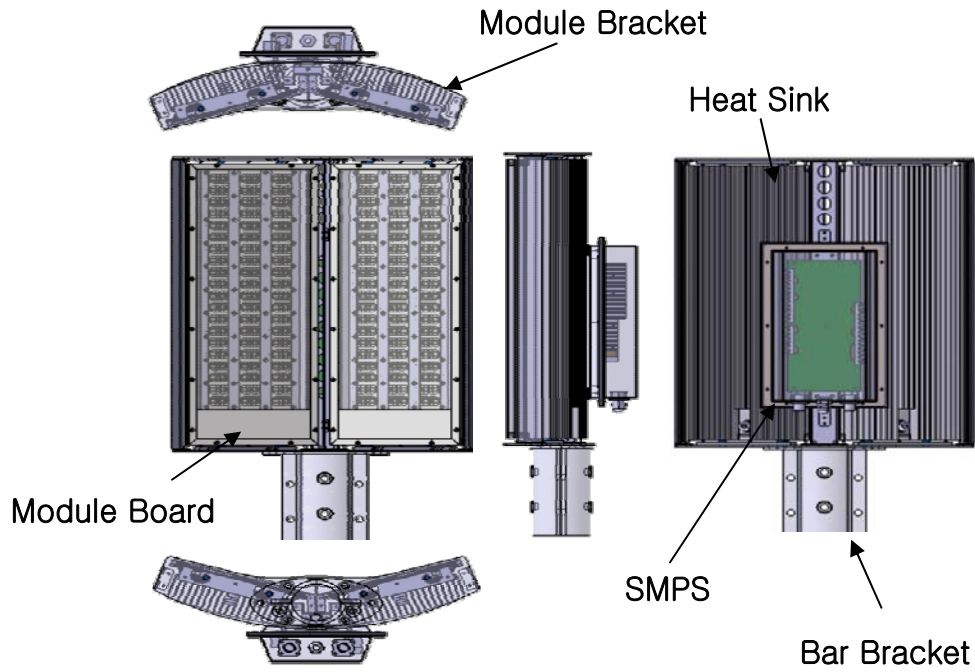
Grid: 10 x 9 Points

E_{av} [lx] 21 E_{min} [lx] 16 E_{max} [lx] 30 $u0$ 0.760 E_{min} / E_{max} 0.534

TWSL-150CR



본 자료는 (주)트루와이드 자산이며 무단 배포를 금지합니다.



TWSL-150CR



본 자료는 (주)트루와이드 자산이며 무단 배포를 금지합니다.

