

**3 YEARS**  
WARRANTY



**SENSOR MODE:**

Motion

Photocell

**Video**



**LED FLOOD LIGHT**  
FL016 / FL016-S

**150W 200W**

**specification**

PRODUCT NAME :	LED Flood Light
MODEL NO. :	FL016 / FL016-S 150W/200W
SPECIFICATION :	AC200-240V, 50-60Hz
WORKING TEMP :	-20-50(°C)
POWER FACTOR :	>0.95
CRI(RA) :	>80
COLOR :	Black
LIGHT SOURCE :	SMD Chip
LUMEN :	135 LM/W
BEAM ANGLE :	120°
PRODUCT SIZE :	295*295*65mm/325*325*65mm
SENSOR MODE :	Motion/Photocell
IP :	IP65
APPLICATION :	Parking Lot, Square, Alley, Garden, Yard etc.
WARRANTY :	3 years
STANDARD :	CE

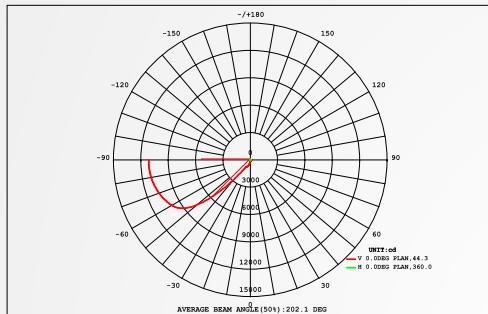
**Color Temperature:**

**6500 / 4000K / 3000K**



# 150W LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: FL016LED FLOOD LIGHT	TYPE:	WEIGHT:
SPEC.: FL016 150W	DIM.:	SERIAL No.:
MFR.: NEXLEDS	SUR.: 24x15	Shielding Angle:



DATA OF LAMP		Eff: 135.17lm/W	
MODEL	FL016 150W	Imax (cd)	11150
NOMINAL POWER (W)	150	AVAILABILITY (%)	90.8
RATED VOLTAGE (V)	220	Avai. FLUX(lm)	18775
NOMINAL FLUX (lm)	20685.8	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	20686
TEST VOLTAGE (V)	220	θ @50% (H,V)	44, 360DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT: lm				Φ t	Φ a
	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90			
90	0.47	1.26	1.75	1.98	1.97	1.73	1.40	1.11	1.10	4.74	11.7	17.8	54.0	108	143	130	83.7	29.0	594	544		
80	0.47	1.25	1.73	1.94	1.92	1.68	1.35	1.09	1.09	4.69	11.6	18.0	54.6	106	145	130	83.8	29.0	596	547		
70	0.47	1.24	1.71	1.91	1.87	1.63	1.31	1.05	1.06	4.60	11.5	19.0	52.4	105	149	130	83.9	29.1	596	549		
60	0.47	1.24	1.71	1.89	1.84	1.60	1.27	1.03	1.03	4.49	11.4	19.9	44.4	107	154	130	84.0	29.1	596	548		
50	0.47	1.25	1.73	1.90	1.82	1.58	1.26	1.01	1.00	4.34	11.5	19.1	38.8	114	154	130	84.1	29.1	597	541		
40	0.48	1.26	1.75	1.93	1.84	1.60	1.29	1.02	0.98	3.77	11.8	19.0	42.0	113	152	130	84.1	29.2	596	544		
30	0.48	1.28	1.79	1.98	1.91	1.68	1.39	1.10	0.98	3.36	12.2	19.6	37.4	110	155	131	84.3	29.3	594	538		
20	0.48	1.31	1.84	2.05	2.01	1.80	1.56	1.31	1.06	3.30	12.7	19.8	36.4	111	156	131	84.7	29.3	598	539		
10	0.49	1.34	1.92	2.15	2.13	1.97	1.76	1.60	1.40	3.36	13.5	20.7	34.4	108	156	132	85.2	29.4	598	536		
0	0.49	1.35	1.98	2.32	2.46	2.49	2.45	2.24	1.72	3.37	14.1	21.5	34.2	106	156	132	85.2	29.4	599	533		
-10	0.49	1.35	2.02	2.53	2.88	2.83	2.48	1.94	1.28	3.26	13.2	21.0	35.5	106	154	131	84.7	29.3	596	531		
-20	0.48	1.34	2.06	2.60	2.77	2.56	2.11	1.61	1.18	3.46	12.7	20.5	36.5	104	152	131	84.4	29.3	591	529		
-30	0.48	1.34	2.06	2.48	2.58	2.33	1.87	1.41	1.14	4.00	12.3	19.9	40.8	106	147	130	84.3	29.2	589	531		
-40	0.48	1.33	2.00	2.37	2.43	2.18	1.72	1.33	1.15	4.59	12.1	19.9	37.4	106	148	129	84.2	29.2	585	525		
-50	0.48	1.32	1.94	2.27	2.31	2.07	1.66	1.29	1.17	4.74	12.0	20.5	41.4	100	148	128	84.1	29.1	583	530		
-60	0.47	1.30	1.88	2.20	2.25	2.00	1.60	1.26	1.17	4.87	12.1	19.7	48.9	97.2	144	128	84.0	29.1	582	532		
-70	0.47	1.28	1.83	2.13	2.19	1.93	1.56	1.24	1.17	4.96	12.2	18.8	51.0	98.3	140	128	83.8	29.0	581	529		
-80	0.47	1.26	1.79	2.07	2.12	1.89	1.54	1.22	1.16	5.04	12.4	18.5	50.6	99.3	138	128	83.7	29.0	578	526		
-90	0.47	1.26	1.75	1.98	1.97	1.73	1.40	1.11	1.10	4.74	11.7	17.8	54.0	108	143	130	83.7	29.0	594	544		
	Φ t	8.60	23.3	33.5	38.7	39.3	35.6	29.6	23.9	20.8	74.9	221	353	771	1904	2693	2339	1516	525	10649	---	
	Φ a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	673	1904	2693	2339	1516	525	---	9650	

one-half-peak spread: U:92.6,D:179.6 , L:39.9,R:41.6 Beam Type: Type 4 x 7 (H x V)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature: 27DEG  
Operators: JACK  
Test Date: 2020-06-08

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.407.13  
Humidity: 70.0%  
Test Distance: 11.565m [K=1.0000]  
Remarks:



JOIN US ON OUR FACEBOOK PAGE +

NEXTLITE PRODUCTS

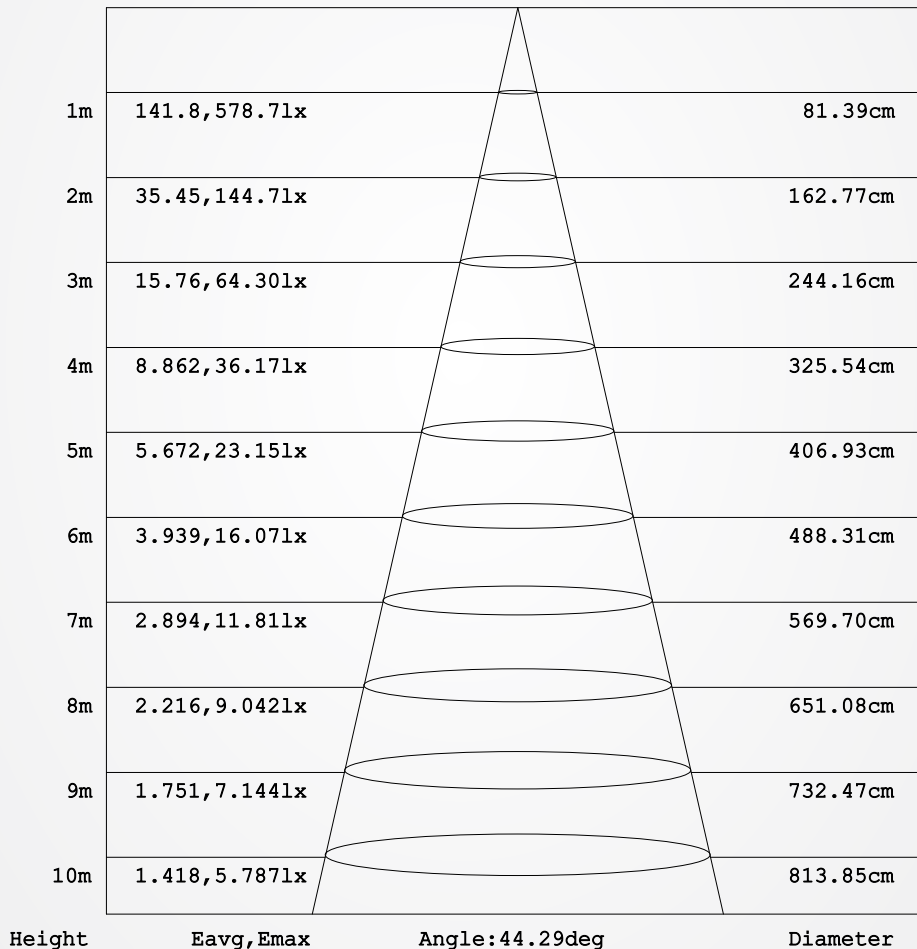


# 150W

## AAI FIGURE

NAME: FL016LED FLOOD LIGHT	TYPE:	WEIGHT:
SPEC.: FL016 150W	DIM.:	SERIAL No.:
MFR.: NEXLEDS	SUR.: 24x15	Shielding Angle:

Flux out:76.43 lm



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature:27DEG  
Operators:JACK  
Test Date:2020-06-08

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.407.13  
Humidity:70.0%  
Test Distance:11.565m [K=1.0000]  
Remarks:



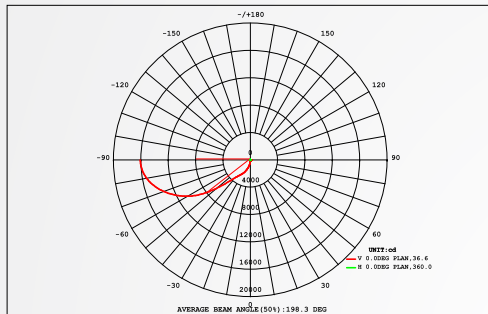
JOIN US ON OUR  
FACEBOOK PAGE +

NEXTLITE PRODUCTS



# 200W LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: FL016LED FLOOD LIGHT	TYPE:	WEIGHT:
SPEC.: FL016 200W	DIM.:	SERIAL No.:
MFR.: NEXLEDS	SUR.: 27x21	Shielding Angle:



DATA OF LAMP		Eff: 133.93lm/W	
MODEL	FL016 200W	Imax (cd)	16096
NOMINAL POWER (W)	200	AVAILABILITY (%)	91.0
RATED VOLTAGE (V)	220	Avai. FLUX (lm)	23802
NOMINAL FLUX (lm)	26153.8	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	26154
TEST VOLTAGE (V)	220	θ @50% (H,V)	37,360DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT: lm		Φ t	Φ a	
	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80			90
90	0.55	1.48	2.12	2.44	2.45	2.20	1.89	1.68	1.76	8.80	24.0	47.9	74.5	104	151	153	111	40.6	732	667	
80	0.55	1.47	2.11	2.42	2.41	2.17	1.86	1.66	1.74	10.1	27.2	49.1	73.3	104	152	153	111	40.6	736	669	
70	0.55	1.48	2.11	2.41	2.39	2.14	1.81	1.62	1.70	10.7	29.3	50.5	70.9	104	152	151	111	40.6	736	671	
60	0.55	1.48	2.12	2.41	2.38	2.12	1.77	1.58	1.66	10.0	28.6	50.2	67.7	105	149	150	111	40.7	729	664	
50	0.55	1.50	2.14	2.42	2.39	2.12	1.78	1.56	1.61	8.01	25.8	48.0	66.8	103	145	150	110	40.7	714	650	
40	0.56	1.51	2.17	2.46	2.43	2.17	1.83	1.57	1.58	6.54	22.8	46.5	66.1	97.7	143	151	110	40.9	700	639	
30	0.56	1.54	2.21	2.52	2.51	2.27	1.95	1.66	1.59	6.11	22.0	46.2	64.7	97.1	145	150	110	41.1	700	639	
20	0.57	1.57	2.26	2.60	2.63	2.43	2.15	1.88	1.70	5.98	25.3	47.7	64.9	96.8	144	150	111	41.3	705	642	
10	0.57	1.60	2.34	2.71	2.77	2.63	2.40	2.26	2.11	6.02	28.4	50.4	66.8	96.9	146	153	113	41.6	721	657	
0	0.57	1.62	2.42	2.92	3.16	3.23	3.17	2.93	2.41	5.73	28.8	51.8	68.0	97.2	147	153	113	41.6	728	663	
-10	0.57	1.62	2.49	3.19	3.64	3.63	3.23	2.59	1.89	5.87	25.4	49.4	67.2	97.6	146	152	112	41.4	719	653	
-20	0.57	1.62	2.55	3.29	3.51	3.29	2.83	2.20	1.77	6.22	22.2	47.6	66.9	98.6	148	153	112	41.3	717	650	
-30	0.56	1.61	2.55	3.13	3.29	3.02	2.52	1.99	1.74	6.74	23.4	48.0	68.3	99.6	146	154	112	41.1	719	653	
-40	0.56	1.60	2.47	2.98	3.09	2.80	2.32	1.90	1.78	8.37	26.8	49.7	68.9	105	147	153	112	41.1	732	666	
-50	0.56	1.58	2.38	2.84	2.91	2.63	2.18	1.85	1.82	10.6	29.9	52.0	70.0	107	151	153	113	41.1	747	679	
-60	0.56	1.56	2.30	2.72	2.76	2.50	2.09	1.80	1.83	11.4	30.9	52.6	73.4	106	154	154	113	41.1	755	685	
-70	0.55	1.53	2.23	2.61	2.65	2.38	2.02	1.77	1.83	10.8	29.0	51.4	75.8	106	154	155	114	41.1	754	688	
-80	0.55	1.51	2.18	2.53	2.55	2.30	1.97	1.74	1.81	9.31	25.4	50.1	76.9	106	153	156	114	41.1	750	685	
-90	0.55	1.51	2.18	2.53	2.55	2.30	1.97	1.74	1.81	9.31	25.4	50.1	76.9	106	153	156	114	41.1	750	685	
	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90		
Φ t	10.1	27.9	41.2	48.6	49.9	46.0	39.8	34.2	32.4	147	475	889	1251	1832	2673	2745	2012	739	13093	---	
Φ a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	670	1251	1832	2673	2745	2012	739	---	11921	

one-half-peak spread: U:3.5,D:5.0 , L:36.8,R:36. NEMA Beam Type: Type 4 x 7 (H x V)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature: 27DEG  
Operators: JACK  
Test Date: 2020-06-08

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.407.13  
Humidity: 70.0%  
Test Distance: 11.565m [K=1.0000]  
Remarks:



JOIN US ON OUR FACEBOOK PAGE +

NEXTLITE PRODUCTS

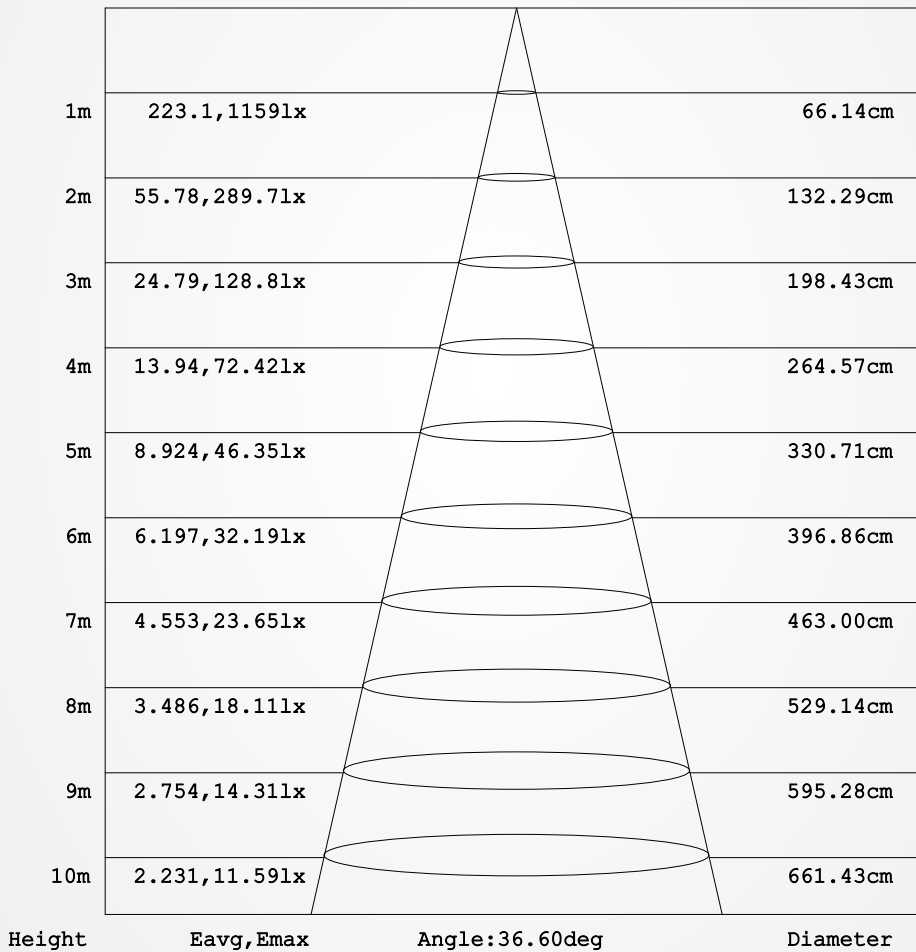


# 200W

## AAI FIGURE

NAME: FL016LED FLOOD LIGHT	TYPE:	WEIGHT:
SPEC.: FL016 200W	DIM.:	SERIAL No.:
MFR.: NEXLEDS	SUR.: 27x21	Shielding Angle:

Flux out: 78.47 lm



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: MEDIUM  
Temperature: 27DEG  
Operators: JACK  
Test Date: 2020-06-08

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.407.13  
Humidity: 70.0%  
Test Distance: 11.565m [K=1.0000]  
Remarks:



JOIN US ON OUR  
FACEBOOK PAGE +

NEXTLITE PRODUCTS