

Operating Characteristics

Wattage	CCT	Drive Current	Beam Pattern	Initial Lumens min.	LPW	Report number	LED Life Projection L ₇₀ ¹⁻²		
							Hours 15°C	Hours 25°C	Hours 40°C
100	4000K	600mA	65°	9533	95.9	GO1404290505	405,000	325,000	205,000
100	4000K	600mA	120°	10062	100.4	GO1404290504	322,000	236,000	157,000
120	4000K	716mA	65°	10762	89.5	GO1404290503	239,000	178,000	209,000
120	4000K	716mA	120°	11669	99.1	GO1404290502	239,000	178,000	209,000
150	4000K	890mA	65°	12141	81.9	GO140213040301	239,000	178,000	209,000
150	4000K	890mA	120°	14025	92.8	GO1404290501	237,000	177,000	208,000

1. Performance calculated and measured from LED manufacturing data and engineering estimates based on test methodologies of IESNA LM80, LM79, and TM21.

2. Not a system warranty

Lumen Depreciation

Lumen Values at Varying Hours of Life

100W 65° 4000K	15°C	25°C	40°C
Initial Lumens	9533		
12,500 hours	9342	9247	9152
25,000 hours	9247	9056	8961
50,000 hours	9056	8866	8580
75,000 hours	8866	8675	8293
100,000 hours	8675	8389	7912
125,000 hours	8484	8198	7626

100W 120° 4000K	15°C	25°C	40°C
Initial Lumens	10062		
12,500 hours	9760	9660	9257
25,000 hours	9559	9257	9257
50,000 hours	9358	9156	8754
75,000 hours	9059	8855	8351
100,000 hours	8855	8553	7949
125,000 hours	8653	8251	7547

120W 65° 4000K	15°C	25°C	40°C
Initial Lumens	10762		
12,500 hours	10332	10332	10224
25,000 hours	10116	10009	10009
50,000 hours	9793	9578	9686
75,000 hours	9471	9148	9255
100,000 hours	9148	8717	8932
125,000 hours	8825	8287	8610

120W 120° 4000K	15°C	25°C	40°C
Initial Lumens	11669		
12,500 hours	11202	11202	11086
25,000 hours	10969	10852	10852
50,000 hours	10619	10385	10502
75,000 hours	10269	9802	10035
100,000 hours	9919	9452	9685
125,000 hours	9569	8985	9335

150W 65° 4000K	15°C	25°C	40°C
Initial Lumens	12141		
12,500 hours	11655	11655	11534
25,000 hours	11413	11291	11291
50,000 hours	11170	10805	10927
75,000 hours	10684	10320	10441
100,000 hours	10320	9834	10077
125,000 hours	9956	9349	9713

150W 120° 4000K	15°C	25°C	40°C
Initial Lumens	14025		
12,500 hours	13464	13464	13324
25,000 hours	13184	13043	13043
50,000 hours	12763	12482	12623
75,000 hours	12342	11921	12062
100,000 hours	11921	11360	11641
125,000 hours	11500	10799	11220