

Inverse Square Law Applied to Lighting

Chart by looking at Value (f/Stops)

LIGHT SOURCE:	2 STOPS DARKER	3 STOPS DARKER	4 STOPS DARKER	5 STOPS DARKER
2 ft. From Subject	2 ft. Behind Subject	4 ft. Behind Subject	8 ft. Behind Subject	16 ft. Behind Subject
4 ft. From Subject	4 ft. Behind Subject	8 ft. Behind Subject	16 ft. Behind Subject	32 ft. Behind Subject
8 ft. From Subject	8 ft. Behind Subject	16 ft. Behind Subject	32 ft. Behind Subject	64 ft. Behind Subject
16 ft. From Subject	16 ft. Behind Subject	32 ft. Behind Subject	64 ft. Behind Subject	128 ft. Behind Subject
94.5 Million Miles From Subject	94.5 Million Miles Behind Subject	189 Million Miles Behind Subject	378 Million Miles Behind Subject	756 Million Miles Behind Subject
BASELINE				

Start with your baseline 1:1 and calculate from there.

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Chart by looking at Distance

LIGHT SOURCE:	2 ft. Behind Subject	4 ft. Behind Subject	8 ft. Behind Subject	16 ft. Behind Subject
2 ft. From Subject	2 Stops ★	3 Stops	4 Stops	5 Stops
4 ft. From Subject	1 Stop	2 Stops ★	3 Stops	4 Stops
8 ft. From Subject	1/2 Stop	1 Stop	2 Stops ★	3 Stops
16 ft. From Subject	1/4 Stop	1/2 Stop	1 Stop	2 Stops ★
32 ft. From Subject	1/8 Stop	1/4 Stop	1/2 Stop	1 Stop

Two Feet Behind Subject



Indicates where a two stop value of light will fall