



Kolek Tong



Lux Level For Office Desk

...

**Kolek Tong**

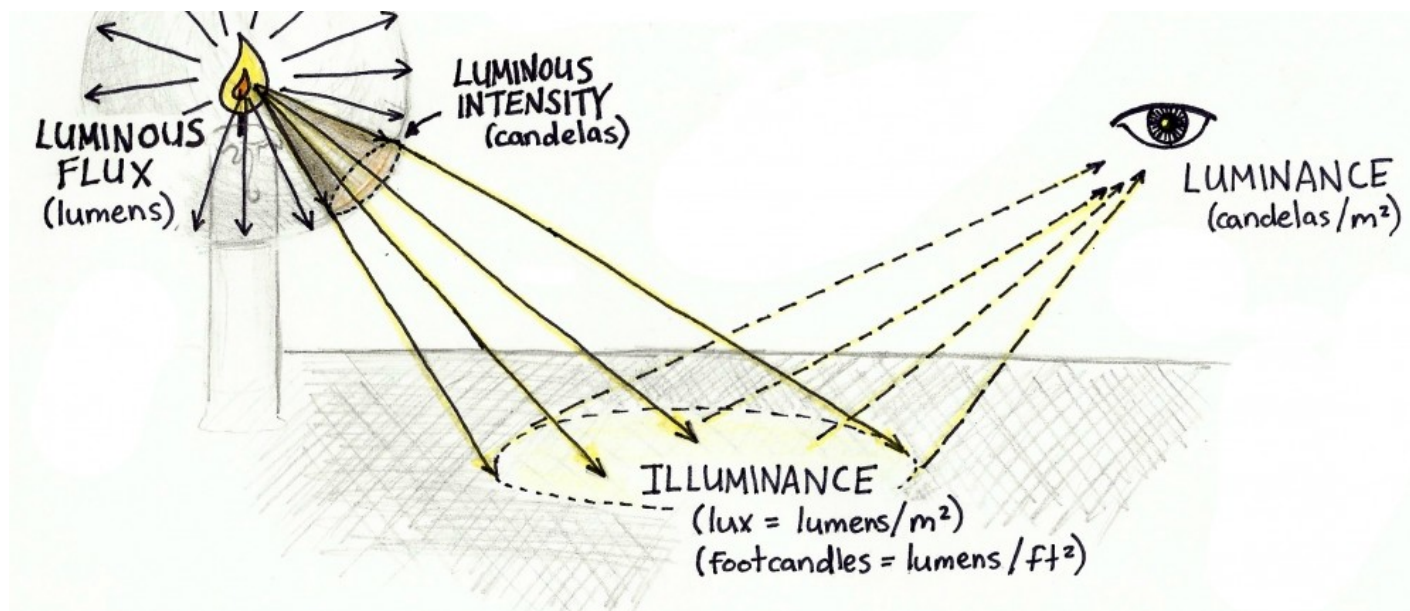
Led field lights OEM/ODM 13 years ♦ | We are an illumination company supplying environmental lighting solutions and manufacturing service ♦ |...

Published Jan 17, 2018

[+ Follow](#)



Kolek Tong

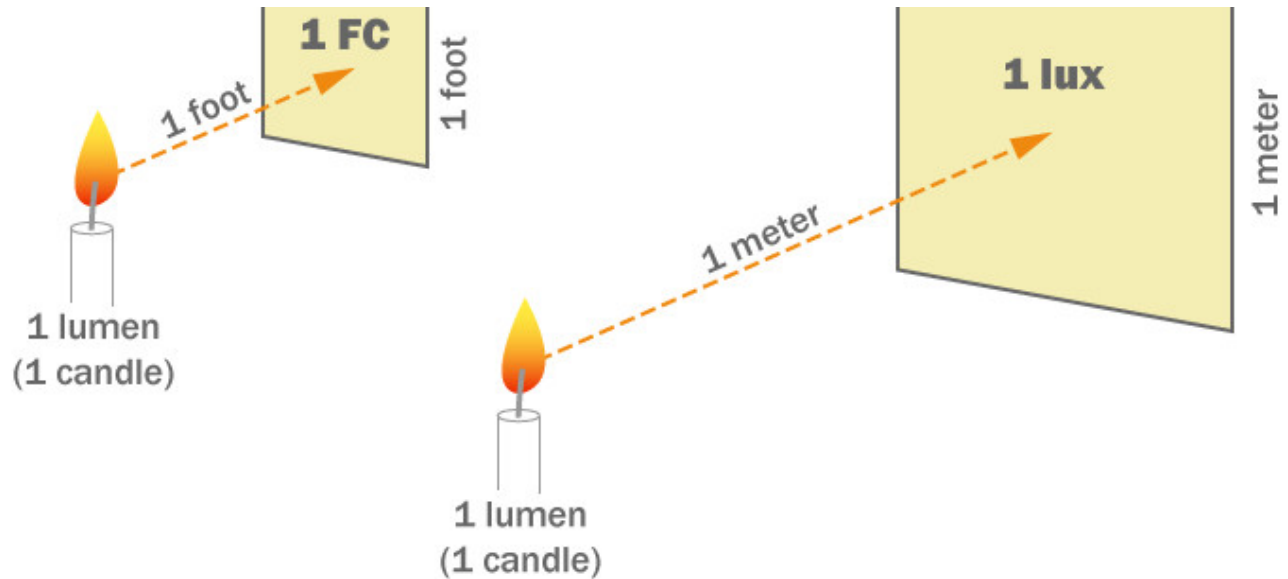


Recommended illuminance levels table 1 shows typical indoor lighting conditions we measured these values in various zones of an office environment being precise about metrics for lighting and daylighting is important lux led dimmable desk and table lamp touch sensitive control 7 level figure 46 9 levels of illumination as a function tasks performed.

Filing, Copying, etc	300 Lux	Low
Writing, reading, data processing, etc	500 Lux	Moderate
Technical Drawing/drawing boards	750 Lux	High
CAD work stations	500 Lux	Moderate
Meeting Rooms	500 Lux	Moderate
Computer work stations	300 – 500 Lux	
Reception desk	300 Lux	Low



Kolek Tong



Illuminance(lx)	1	2	5	10	20	30	50	75	100	150	200	300	500	750	1000	1500	Ra value
Living room						General lighting					Recreation		Reading				80 or more
Children's room/Study room								General lighting			Play						
Dining room						General lighting						Table	Study/Reading				
Kitchen								General lighting				Sink					
Bedroom		Late at night			General lighting								Reading/Makeup				
Bathroom/Washroom								General lighting				Shave/Makeup/Basin					
Toilet								General lighting									
Corridor/Stairs		Late at night				General lighting					Take off shoes/Display shelf						
Entrance(inside)								General lighting					Mirror				
Gate/Entrance(outer)			Passage			Nameplate/Newspaper slot/Bell button											-

RESIDENTIAL – FLATS AND BEDSITS			
Area	Illuminance (lux)	Limiting Glare rating	Minimum colour rendering (Ra)
Lounge	100 - 300	19	80
Kitchens	150 - 300	-	80
Bathrooms	150	-	80
Toilets	100	-	80



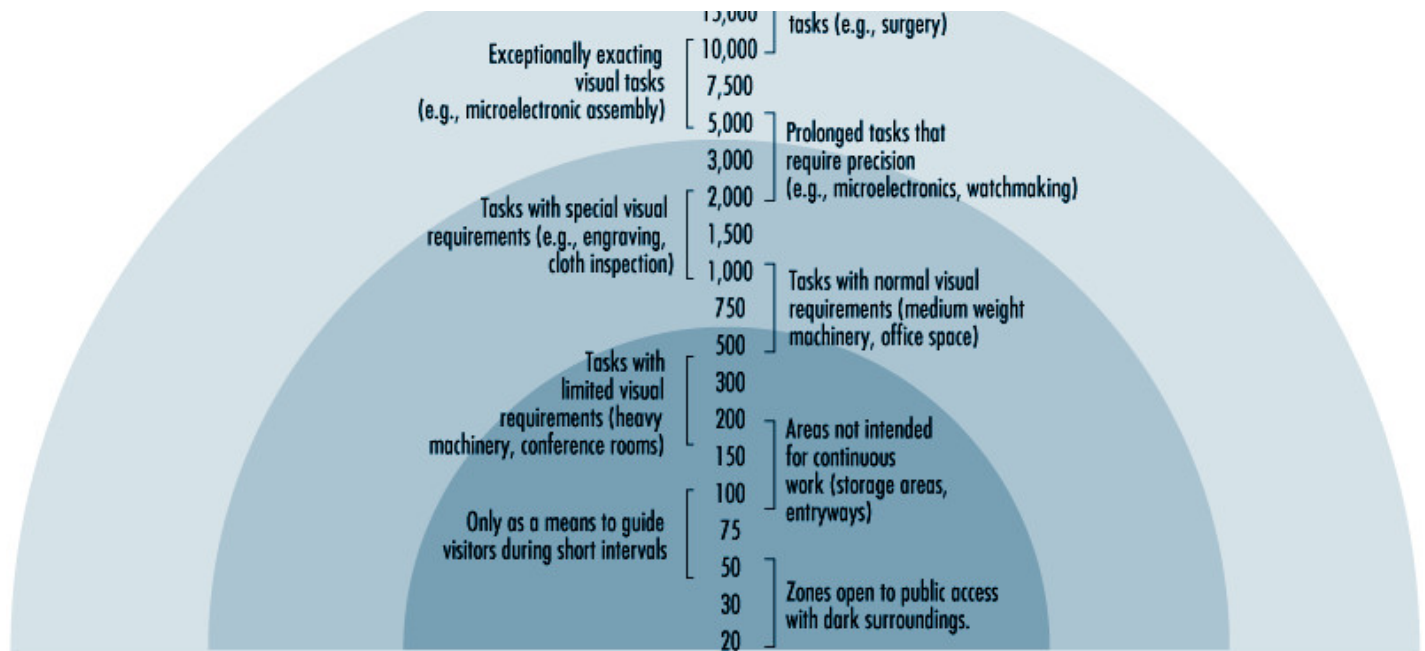
Kolek Tong



A	2 - 3 - 5	20 - 30 - 50	Public spaces with dark surroundings, Inactive Basements		general
B	5 - 7.5 - 10	50 - 75 - 100	Short temporary waiting areas Dance Halls, Discotheques, Bedrooms		lighting throughout
C	10 - 15 - 20	100 - 150 - 200	Temporary visual tasks, auditoriums, Elevators, Lobbies, Corridors, Toilets		spaces
D	20 - 30 - 50	200 - 300 - 500	High contrast visual tasks - large size Offices, Libraries Reading lounges		luminaire
E	50 - 75 - 100	500 - 750 - 1,000	Medium contrast visual tasks - small size Laboratories, Barber shops, Kitchens		lighting directed
F	100 - 150 - 200	1,000 - 1,500 - 2,000	Low contrast visual tasks - small size Sewing, Inspection, Laboratories		on tasks
G	200 - 300 - 500	2,000 - 3,000 - 5,000	Low contrast visual tasks - very small size Prolonged performance, Operating rooms		general
H	500 - 750 - 1,000	5,000 - 7,500 - 10,000	Performance of prolonged and exacting visual tasks, Dental oral cavity		illumination and task
I	1,000 - 1,500 - 2,000	10,000 - 15,000 - 20,000	Performance of very special visual tasks of extremely low contrast and small size.		lighting



Kolek Tong



A

General illumination in low-traffic zones or where visual requirements are simple

B

General illumination for work indoors

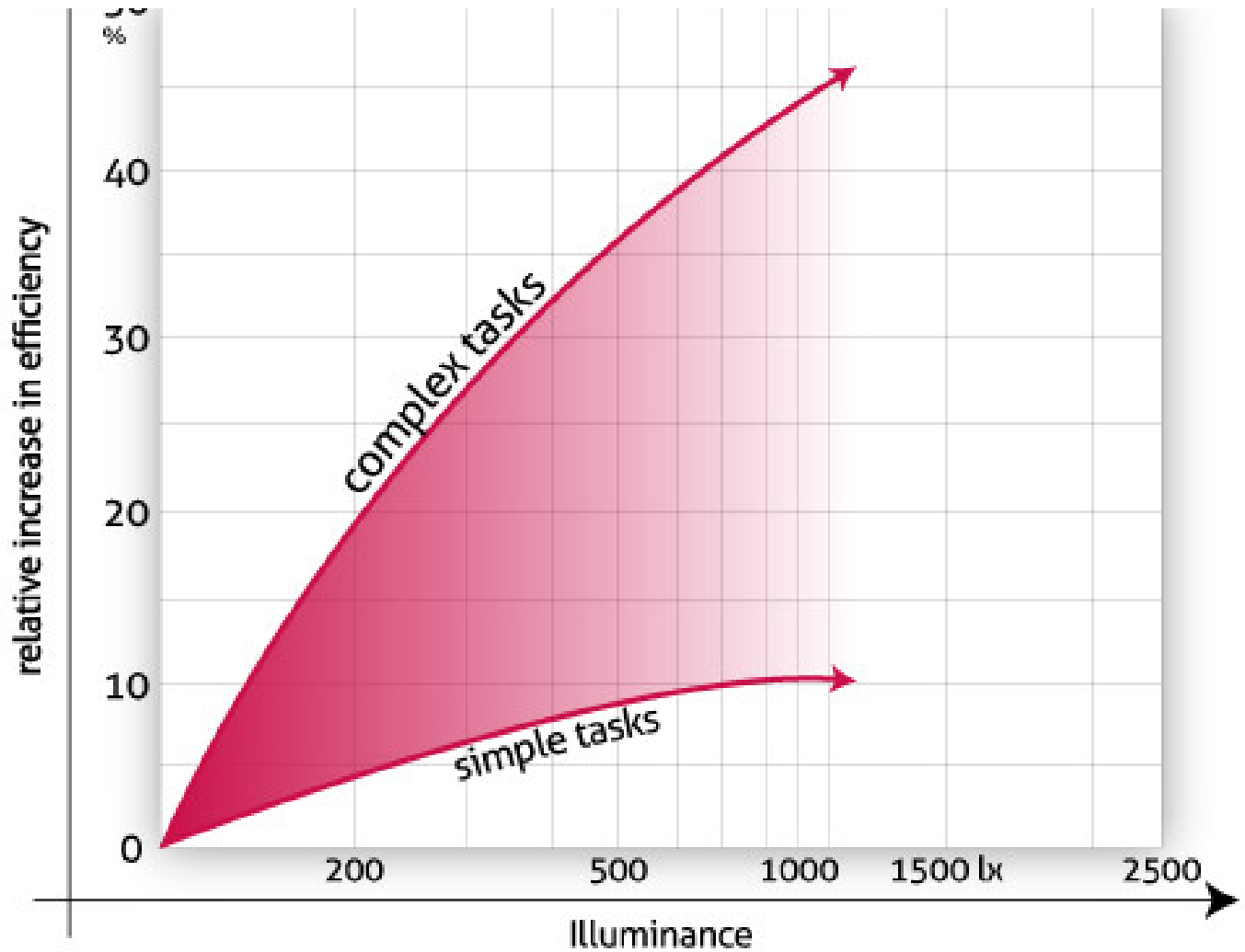
C

Additional illumination for exacting visual tasks

Zone Type	Minimum	Maximum	Range	Mean
Conference rooms	251 lux	338 lux	87 lux	297 lux
Lab area	347 lux	614 lux	267 lux	468.2 lux
Desks	369 lux	668 lux	299 lux	497.6 lux
Window desks	455 lux	550 lux	95 lux	511 lux
Lunch area	364 lux	517 lux	153 lux	428.6 lux
Hallway	327 lux	498 lux	171 lux	408.4 lux



Kolek Tong



Light and Job Performance correlating



Kolek Tong



Low light
50 lux



Living Room
200 lux



Office
500 lux



Supermarket
1000 lux



Rain
10,000 lux



Cloudy
20,000 lux



Bright
50,000 lux



Direct Sun
100,000 lux



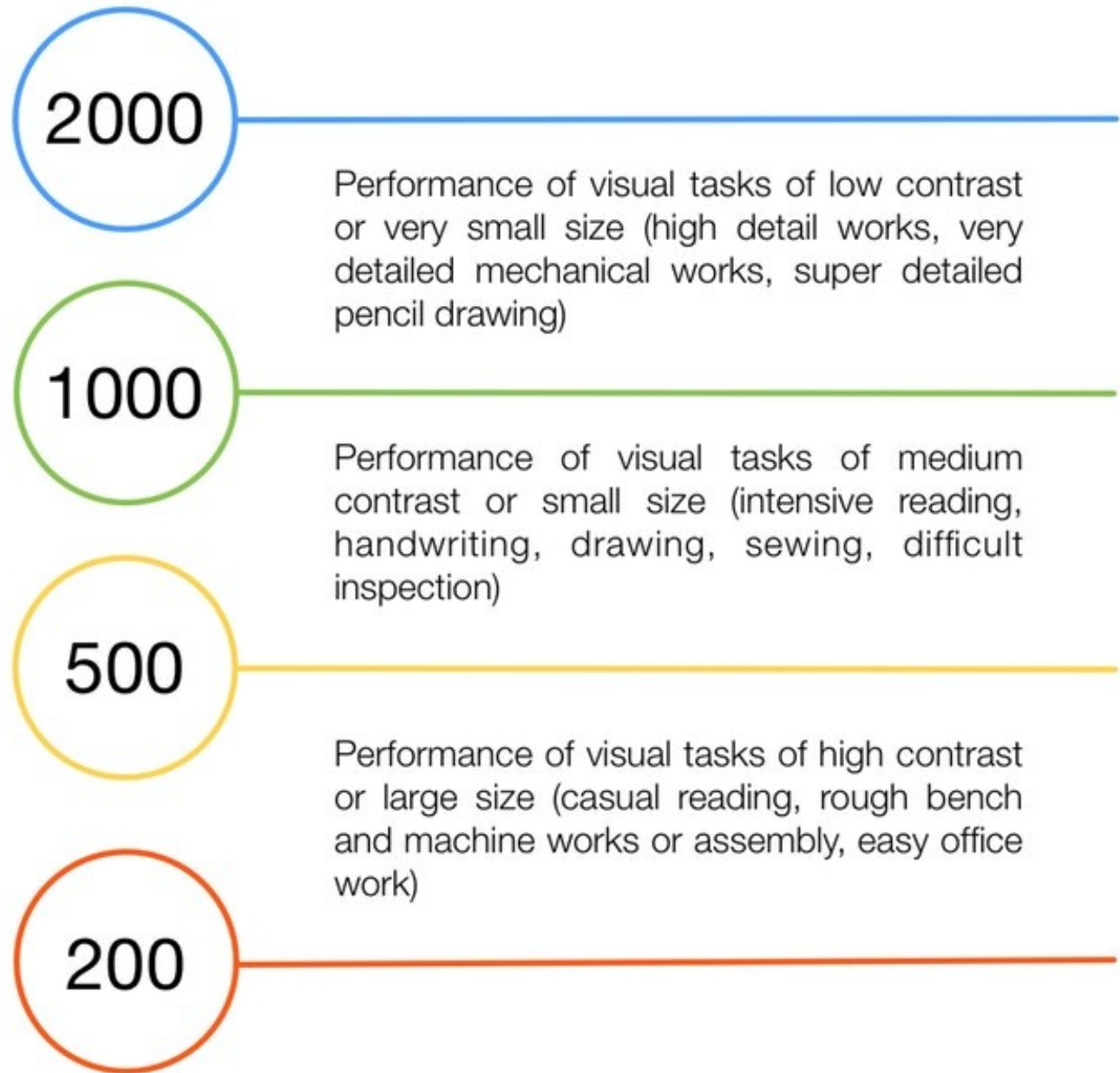
Kolek Tong



	Condition	Light Level (LUX)	Foot Candles (FC)
Day Time	Sunlight	107,527	10,000
	Daylight	10,752.70	1,000
	Overcast Day	1,075.30	100
	Very Dark Day	107.53	10
	Twilight	10.75	1
Night Time	Deep Twilight	1.08	0.1
	Full Moon	0.108	0.01
	Quarter Moon	0.0108	0.001
	Starlight	0.0011	0.0001
	Overcast Night	0.0001	0.00001



Kolek Tong



17

Like

Comment

Share

To view or add a comment, [sign in](#)



Kolek Tong



How an overseas buyer
find a reliable...
Sep 10, 2019

LED Sports Lighting
summary
Mar 7, 2019

How to interpret a light
distribution curve?
Jan 8, 2019

Explore topics

Workplace

Job Search

Careers

Interviewing

Salary and Compensation

Internships

Employee Benefits

See All

© 2022

About

Accessibility

User Agreement

Privacy Policy

Cookie Policy

Copyright Policy

Brand Policy

Guest Controls

Community Guidelines

Language