

CITY OF VANCOUVER STREET LIGHT REQUIREMENTS LUMINANCE METHOD (Straight Sections)	Roadway Classification										Lighting District								
	Principal Arterial		Minor Arterial		Collector Arterial			Industrial		Local Access			Downtown	Uptown	Promenade Roadway	Promenade Pathway	Historical District/Officers Row Roadway	Historical District/Officers Row Pathway	
	Expressway	Major	High	Medium	Low	High	Medium	Low	Primary	Primary	Secondary	Medium	Low	Low	All	All	All	All	All
Pedestrian Conflict (10)	All	High	Medium	Low	High	Medium	Low	High	High	Medium	Medium	Low	Low	All	All	All	All	All	All
Applicable Street Sections Standard Details	N/A	T10-04 T10-05	T10-06	T10-07	T10-08 T10-10	T10-09 T10-11	T10-12 T10-13	T10-14	T10-20	T10-21	T10-22 T10-23	T10-15A T10-15B	As Directed	As Directed	As Directed	As Directed	As Directed	As Directed	As Directed
Averaged Maintained Luminance (2) (3)	1.0	1.2	0.9	0.6	1.0	0.8	0.6	0.4	1.2	1.2	1.0	0.5	0.3	1.2	1.0	0.9	1.0	0.9	0.9
Luminance Uniformity (4)	3:1	3:1	3:1	3:1	3:1	3:1	3:1	4:1	3:1	3:1	3:1	6:1	6:1	3:1	3:1	4:1	3:1	4:1	4:1
Max. Veiling Luminance Ratio	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Maximum Pole Spacing (5) (6)	N/A	170	160	185	165	180	180	160	170	180	180	160	275	130	100	120	90	120	120
Light Standard Types Approved for Use (7)	Design Required	A	A	A	A	A	A	A	A	A	A	A	A	D**	D	P	R	O	O
Luminaire																			
Fixtures Mounting Height (nominal in feet) (8)	Design Required	30	30	30	30	30	30	30	30	30	30	25	25	20	20	20	14	20	14
One Side or Both Sides Lighting Applicable (9)	Both Sides	Both Sides	Both Sides	Both Sides	Both Sides	Both Sides	Both Sides	Both Sides	Both Sides	Both Sides	Both Sides	Both Sides	Both Sides	Both Sides	Both Sides	Both Sides	One Side	Both Sides	One Side
Light Source (7)	As Directed	LED	LED	LED	LED	LED	LED	LED	LED	LED	LED	LED	LED	As Directed	As Directed	As Directed	As Directed	As Directed	As Directed
Lamp Lumen Depreciation (LLD)	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	As Directed	As Directed	As Directed	As Directed	As Directed	As Directed
Lumen Dirt Depreciation (LDD)	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.95	0.95	As Directed	As Directed	As Directed	As Directed	As Directed	As Directed
Light Distribution	Design Required	3	3	2	3	2	2	2	3	2	2	2	2	As Directed	As Directed	As Directed	As Directed	As Directed	As Directed


SEE CITY'S APPROVED PRODUCTS LIST

\*Both Sides Staggered Preferred Unless Only Half Street is Improved.  
 \*\*Use Type D Lighting Standard in all Residential Areas Unless the Surrounding Neighborhood is Either Type A or Type N or as Directed by Engineer.

SEE T21-01D FOR (#) NOTE INFORMATION.

REV. NO.	DATE	BY	APPR.
1	1/15	RAW	CJC
2	7/19	RAW	CJC
3	9/21	RAW	CJC

PUBLIC WORKS - STREETS AND TRANSPORTATION

APPROVED BY:  TRAFFIC ENGINEER MANAGER

APPROVED DATE: 9/1/2021



CITY STREET LIGHTING REQUIREMENTS SCHEDULE LUMINANCE METHOD (STRAIGHT SECTIONS)

STANDARD PLAN NUMBER T21-01A