

SITE LIGHTING GENERAL NOTES:

LEED REQUIREMENTS

- SITE LIGHTING IS TO BE COMPLIANT WITH THE REQUIREMENTS AND INTENT OF LEED v4 BD+C SSC: LIGHT POLLUTION REDUCTION.
- LIGHTING BOUNDARY TO BE PROJECT SCOPE LINE, WITH BOUNDARY EXTENDED FOR AREAS REQUIRING CONTINUOUS ILLUMINATION SUCH AS THE ADJACENT FOOD SERVICES LOADING DOCK AND SERVICE YARD.
- COMPLIANCE TO BE DEMONSTRATED USING BACKLIGHT-UP/LIGHT-GLARE (BUG) METHOD OPTION 1, USING LIGHTING ZONE THREE (LZ3) REQUIREMENTS. ALL LUMINAIRES TO HAVE BUG RATINGS LESS THAN OR EQUAL TO RATINGS LISTED BELOW.

DISTANCE FROM LIGHTING BOUNDARY	MAX BACKLIGHT	MAX UPLIGHT	MAX GLARE
>2 MOUNTING HEIGHTS	B5	U3	G3
1 TO 2 MOUNTING HEIGHTS, PROPERTY ORIENTED	B4	U3	G1
0.5 TO 1 MOUNTING HEIGHTS, PROPERTY ORIENTED	B3	U3	G1
<0.5 MOUNTING HEIGHTS, PROPERTY ORIENTED	B1	U3	G0
ALL OTHER LUMINAIRES	-	U3	G3

NOTES:

- ALL EXTERIOR LIGHTING WILL BE CONTROLLED VIA PHOTOCELL AND TIMELOCK.
- LIGHT SPILL AND LIGHT POLLUTION CONTROLLED USING CUSTOM DISTRIBUTION OPTICS WHERE REQUIRED TO ENSURE LIGHT TRESPASS TO ADJACENT AREAS IS MINIMIZED. ALL EXTERIOR LUMINAIRES TO BE ICA DARK SKY COMPLIANT.
- PRELIMINARY LUMINAIRE SELECTION, LAYOUT AND CALCULATION PROVIDED TO DEMONSTRATE SITE LIGHTING INTENT AND METHODS ONLY. LIGHTING LAYOUT WILL BE FURTHER DEVELOPED DURING DESIGN. FINAL CALCULATIONS TO BE PROVIDED WITH BUILDING PERMIT APPLICATION. ALL FIXTURES AND LOCATIONS SHOWN ARE SUBJECT TO CHANGE. ALL LIGHTING WILL BE COMPLIANT WITH THE UBC VANCOUVER CAMPUS PLAN (2023 UPDATE). EXACT REQUIREMENTS WILL BE FURTHER COORDINATED DURING DESIGN.

LIGHT LEVEL TARGETS:

AREA	ILLUMINANCE TARGETS:	HORIZ. (Lux):	UNIFORMITY:	VERTICAL (Lux)
BUILDING EXTERIORS: BUILDING FORECOURT	10-30 Lux	4:1	1/3 H. ILLUMINANCE	
BUILDING EXTERIORS: MAIN ENTRANCE	15 Lux	4:1	1/3 H. ILLUMINANCE	
BUILDING EXTERIORS: SECONDARY ENTRANCE	10 Lux	4:1	1/3 H. ILLUMINANCE	
STREETS: CAMPUS ROAD WITH SIDEWALKS	6 Lux	6:1	-	
STREETS: SHARED PEDESTRIAN AND SERVICE LANES	4 Lux	6:1	-	
PEDESTRIAN CIRC.: SECONDARY PED. ROUTES	15 Lux	4:1	15	

A1 ROADWAY/PARKING POLE MOUNTED LUMINAIRE

MOUNTING: SONOTUBE BASE	FINISH: RAL 7043 GRAY	MANUFACTURER: LUMENPULSE
WATTAGE: 31W	DISTRIBUTION: TYPE V SQUARE	MODEL NUMBER: PURE100-120-CSL-S40-30K-80-S
LUMENS: 3423 Lumens	DRIVER: 0-10V	POLE: 6M
COLOR TEMP: 3000K	VOLTAGE: 120V	BASE: CONCRETE SONOTUBE
BUG RATING: 82-UD-G1	LISTINGS: IP66, ICA DARK SKY	NOTES:

A2 LOADING BAY/SERVICE YARD POLE MOUNTED LUMINAIRE

MOUNTING: SONOTUBE BASE	FINISH: RAL 7043 GRAY	MANUFACTURER: LUMENPULSE
WATTAGE: 31W	DISTRIBUTION: TYPE IV	MODEL NUMBER: PURE100-120-CSL-S40-30K-80-4
LUMENS: 3423 Lumens	DRIVER: 0-10V	POLE: 6M
COLOR TEMP: 3000K	VOLTAGE: 120V	BASE: CONCRETE SONOTUBE
BUG RATING: 81-UD-G2	LISTINGS: IP66, ICA DARK SKY	NOTES:

S1 RECESSED SOFFIT DOWNLIGHT - 6" DIA.

MOUNTING: RECESSED	FINISH: T8D	MANUFACTURER: COOPER/PORTFOLIO
WATTAGE: 11W	DISTRIBUTION: 60°	MODEL NUMBER: ER8B-1020-9030-8LB-W-0H
LUMENS: 1200 Lumens	DRIVER: 0-10V	POLE: 6M
COLOR TEMP: 3000K	VOLTAGE: 120V	LISTINGS: WET LOCATION LISTED
BUG RATING: 81-UD-G0	NOTES:	

S2 RECESSED SOFFIT DOWNLIGHT - 8" DIA.

MOUNTING: RECESSED	FINISH: T8D	MANUFACTURER: COOPER/PORTFOLIO
WATTAGE: 18W	DISTRIBUTION: 60°	MODEL NUMBER: ER8B-1020-9030-8LB-W-0H
LUMENS: 2420 Lumens	DRIVER: 0-10V	POLE: 6M
COLOR TEMP: 3000K	VOLTAGE: 120V	LISTINGS: WET LOCATION LISTED
BUG RATING: 81-UD-G0	NOTES:	

W1 WALL MOUNTED LUMINAIRE

MOUNTING: RECESSED/WALL	FINISH: RAL 7043 GRAY	MANUFACTURER: LIGMAN LIGHTING
WATTAGE: 9W	DISTRIBUTION: ASYM.	MODEL NUMBER: UAUG-3001-9W-100-120
LUMENS: 596 Lumens	DRIVER: 0-10V	POLE: 6M
COLOR TEMP: 3000K	VOLTAGE: 120V	LISTINGS: IP66, ICA DARK SKY
BUG RATING: 80-UP-G0	NOTES: STYLE OF WALL MOUNTED LUMINAIRE TO BE COORDINATED DURING DESIGN.	

L1 RECESSED LINEAR LUMINAIRE

MOUNTING: RECESSED	FINISH: RAL 7043 GRAY	MANUFACTURER: TBD
WATTAGE: TBD W	DISTRIBUTION: TBD	MODEL NUMBER: TBD
LUMENS: TBD Lumens	DRIVER: 0-10V	POLE: 6M
COLOR TEMP: 3000K	VOLTAGE: 120V	LISTINGS: IP66, ICA DARK SKY
BUG RATING: 80-UP-G1	NOTES: -	

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issues
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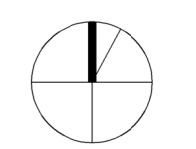
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UBC Sauder School of Business Expansion

Sauder School of Business
2040 West Mall, Vancouver BC

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Lighting Site Plan
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