



CI-0703

TAB 7: TECHNICAL DISCIPLINES

Electrical

INTERIOR LIGHTING SOURCES AND CONTROLS

Location	Light Source	Control and Backup
	mounted LED vandal resistant lenses	luminary on UPS + Generator
Public Washroom	LED, vandal resistant luminaries or valance or cove lights for large facilities	On/Off switch with occupancy sensor, one fixture on UPS + Generator
Electrical, Comms., Mechanical, Janitor, and Storage Rooms.	Linear LED 1219 mm long or surface mounted luminaries vandal resistant	On/Off switch with occupancy sensor, 50% on UPS + Generator in Mechanical, Electrical and Comms. Rooms only
Shop	Linear LED 2438 mm long, suspended. Task lights over equipment and workbenches to suit functions	Local switching or to suit particular application, 10% on UPS + Generator
Garage Maintenance Shop	LED for shops. LED Task lights where required	Panel or central switching to suit particular application. 10% on UPS + Generator or to Code requirements
Dispatch	LED, and supplementary illumination for maintenance with task lights to suit	Local switches, dimmers, 10% on UPS + Generator.
Office	Per IES	10% on UPS + Generator

EXTERIOR LIGHTING SOURCES AND CONTROLS

Location	Light Source	Control and Backup
Parking Lot, Passenger Drop-off and Pick-up Areas, and Bus Loop Areas including Bus Platforms.	LED area lights or down lights on 6 or 12 m high galvanized steel poles or 30m high masts (use of LED on 30m high masts approved by GO Transit on a case by case basis). See Notes below.	Circuited and dimmed for 30% in operation during station closed hours (photo-control only) and to have manual override of the photo control and time-clock (the manual override shall not be digital) on generator.
Access Roads	LED area lights or down lights on 6 or 12 m high galvanized steel poles or 30m high masts (use of LED on 30m high masts approved by GO Transit on a case by case basis). See Notes below.	Circuited for 30% in operation during station closed hours (photo-control only) and to have manual override of the photo control and time-clock (the manual override shall not be digital)
Parking Structure	LED	Day light harvesting and occupancy sensor control of two light levels and timer on



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Location	Light Source	Control and Backup
Rail Platform	LED on 6 m hinged poles on 300 mm high concrete bases or in canopy.	generator Both timer and photo cell controlled, on Generator. During station closed hours 100% off. Override switch (snow removal use): 100% on
Mini-Platform	Same as Rail Platform	Controlled as part of Rail Platform
Tunnel, enclosed bridges and canopies	LED , 1219 mm long, c/w vandal resistant lenses, lights should be dimmable, when space not occupied. Allow for at least 2 circuits, alternate circuits every other pole	Breaker control, 50% on UPS + Generator
Internal Stairwell (tunnel, parking structure)	LED luminaries, semi-recessed in walls, below handrails	Breaker control, 30% on UPS + Generator
Exterior Stair and Walkway	Same as parking lot, Pole location to suit	Same as parking lot