

Detailed Design Calculation - Project Data Sheet

Customer Name: *KEVIN*
Project: *100 College Street, Montgomery*
Name of Specific Area: *PASSAGE AT FF*
Drg. No: *01-E-00-ELTG-04*
Lighting Scheme No: *1X18 W CFL DOWNLIGHTER* Branch: *ELECTRICAL*
Lighting Designer: *JP* Revision: *R0*

Calculation Area Details

Room Length: *1.80 m* Ceiling Reflectance: *0.80*
Room Width: *25.0 m* Wall Reflectance: *0.50*
Ceiling Height: *3.00 m* Floor Reflectance: *0.30*
Workplane Height: *0.00 m* Maintenance Factor: *0.80*

Type of Luminaire

Sr. No.	Photo	Luminaire Type	Luminaire Qty	Catalogue Number	Lamp Wattage	Lamp Type	Lamp Qty
1		Downlighter	12	BJDR 118 H MF	18.0W	CFL	12

Lighting Parameters

Avg. Horz. Illuminance (Eave) = *74 Lux*
Max. Horz. Illuminance (E_{max}) = *78 Lux*
Min. Horz. Illuminance (E_{min}) = *60 Lux*
Uniformity Ratio (E_{min}/E_{avg}) = *0.802 (1 : 1.25)*
Diversity Ratio (E_{min}/E_{max}) = *0.762 (1 : 1.31)*

Electrical Parameters

Total Wattage = *312 W*
Total Wattage/Luminaire = *26.0 W*
LPD (watt/squ.ft) = *0.64*
LPD (watt/squ.m) = *6.93*
Watt / squ.m / 100 lux = *9.33*