

2017-04-10

Client: Town of St. Mary's, Ontario

Scope of Project: Replace existing Downtown Decorative Acorn Globes with new Acorn Styled, Acrylic Prismatic Globes.

Hello Jed: Decralite has completed our Roadway Calculations for Downtown St. Mary's as requested and in addition had the results further reviewed by a Lighting Certified Designer for verification. Our RP8-14 Roadway calculations are accurate and fall well within the lighting standard defined in ANSI (Approved American National Standard) and IES (Illuminating Engineering Society of North American) in IES RP-8-14 – Roadway Lighting Standard. The only Ratio that is off as mentioned earlier is the Veiling Luminance Ratio. This is a result of the Acorn styled fixture itself and can be controlled using a Diffuse HPS bulb rather than your existing CLR. It's very unlikely you would ever achieve the VLM ratio unless your intention is to replace all your existing fixtures with new. Based on our findings you also have the option to further reduce existing wattage from 150W to 100W when it comes time to re-ballast/lamp if you should decide.

Installation and modification required to retrofit your existing globes with new:

1. Ensure power to fixture is off and remove existing globe by unscrewing the top final.
2. Remove bulb and existing internal aluminum reflector assembly.
3. Using provided template mark, drill and tap (4) 5/16" holes in existing post top casting 90 degrees apart.
4. Insert (4) Stainless set screws using anti-seize lubricant on threads.
5. Replace bulb and set new globe in place.
6. Snug up set screws to hold globe in place

If you have any further questions or concerns please don't hesitate to contact me.

Regards Gary Schmidt
President

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