

Installation Specification: HLI-SAMPLE2026

Client: Sample Residence / HOA Board | Property: 2-Story Craftsman Residence
Lighting Specification: 2700K Warm White C9 + Ridges + Lit Wreaths



ELECTRICAL & RUN SUMMARY

Total C9 Run:	236 linear ft
Roof Access:	2-Story Exterior
SPT-1 Wire:	233 ft (12" spc)
C9 LED Bulbs:	246 bulbs (0.58W)
5mm Minis:	24 strands (70ct)
Total Load:	286 Watts
15A GFCI:	2.38 Amps (SAFE)

1. Commercial Material Take-Off & Cut-List

Component / Hardware Specification	Quantity	Handyman Installation & Routing Notes
SPT-1 18AWG C9 Socket Cord (12" Spacing)	233 ft	Cut to exact eave & gable run lengths; leave 18" tail at drops
Faceted C9 SMD LED Bulbs (E17 Base, 0.58W)	246 bulbs	2700K Warm White C9 + Ridges + Lit Wreaths (includes 10 spare bulbs)
All-in-One Shingle / Gutter Lip Clips	163 clips	1 clip per C9 socket along front gutters and gable rake edges
Commercial C9 Roof Ridge Clips	74 clips	Straddle hip & ridge cap shingles without nails or staples
5mm Wide-Angle Conical LED Mini Strands	24 strands	2 porch columns, 6 shrubs, 1 wrapped tree(s)
Pre-Lit Commercial LED Foliage Wreaths	2 wreath(s)	Mount at upper gable peak / entry with nylon zip-cord anchor
SPT-1 Male/Female Gilbert Vampire Plugs	7 pairs	Field-splice custom unlit jumper transitions between roof levels
SPT-1 18AWG Blank Zip Cord (Jumper Wire)	166 ft	Route concealed unlit power jumpers behind downspouts to GFCI

2. Handyman Installation & January Takedown Protocol

- Dry-Fit & Map Runs on Ground: Thread C9 LED bulbs into SPT-1 socket wire and test on GFCI outlet before ladder ascent.
- Zero-Staple Fastening: Use All-in-One clips on gutter lips and under first-row shingles so all bulbs point uniformly.
- Concealed Unlit Jumpers: Cut C9 socket wire cleanly at end of each gable, cap with female vampire plug, and run blank zip cord.
- Photocell Timer Automation: Connect main down-lead to an outdoor rated 15A photocell dusk-to-dawn timer (dusk + 6 hours).
- January Takedown Labeling: During removal, tag each custom-cut strand by roof section (e.g. 'Lower Left Eave 42ft') for 30-min re-hang.