Notes for magic light pole.

# Supplies

# Polycarbonate density 1.2

## Sheets

<http://www.amazon.com/Polycarbonate-Transparent-Standard-Tolerance-Thickness/dp/B00CPRCQ9E/ref=sr_1_1?s=industrial&ie=UTF8&qid=1452800693&sr=1-1&keywords=polycarbonate+sheet+1%2F2>

12x24x.25” $27.37

<http://www.amazon.com/dp/B000FPC3Z0/ref=biss_dp_t_asn>

## Clear Poles

1..5 ID 1.75 OD 4ft $20

<http://www.amazon.com/Polycarbonate-Tubing-Wall-Clear-Color/dp/B00193UM1E/ref=sr_1_19?s=industrial&ie=UTF8&qid=1452718336&sr=1-19&keywords=polycarbonate+clear>

1 7/8 ID 2 OD 6ft $20

<http://www.amazon.com/Polycarbonate-Tubing-Wall-Clear-Color/dp/B00193UNBI/ref=sr_1_3?s=industrial&ie=UTF8&qid=1452718584&sr=1-3&keywords=polycarbonate+clear>

.7/8 ID 1 OD 6ft $24..4

<http://www.amazon.com/Small-Parts-Clear-Polycarbonate-Tube/dp/B003TJ9YI8/ref=pd_sim_sbs_328_4?ie=UTF8&dpID=31e7-jw4hZL&dpSrc=sims&preST=_AC_UL160_SR160%2C160_&refRID=056VYMTTGKNHQ6JVKA10>

## Battery Sizes

<https://en.wikipedia.org/wiki/List_of_battery_sizes>

## Battery holder

<http://www.amazon.com/Ajax-Scientific-Battery-Holder-Lead/dp/B00EPQK3DY/ref=sr_1_fkmr0_2?s=industrial&ie=UTF8&qid=1452723497&sr=1-2-fkmr0&keywords=stacedd+AA+BATTERY+HOLDER>

# Polycarbonates

## Gluing

How to glue

<http://www.ehow.com/how_5686551_glue-polycarbonate-sheet.html>

<http://www.ehow.com/how_6635889_glue-lexan.html>

Devcon Plastic Weld II

<http://www.walmart.com/ip/Devcon-Plastic-Welder-II-50ml-devpak-plastic-welder-ii/15632453>

Loctite epoxy plastic bonder

<http://www.loctiteproducts.com/p/13/7/epxy_plstc_s/overview/Loctite-Epoxy-Plastic-Bonder.htm>

Weld-On 16 is a bonding agent

Lord 406/19 adhesive

<https://www.youtube.com/watch?v=teN4SeymM_k>

Lexan picture glue

<https://www.youtube.com/watch?v=hmL6YNGETFs>

# Channel Bond Adhesive one part system

<https://www.youtube.com/watch?v=OXtJYvDLzIs>