

# DIY INSTRUCTIONS

## 3-Up Advanced Lighting Kit (ALK)



Example Kit Components



#ALK-20M-3UP-EH (Heatsink 2pcs)  
#CREEXPG-W417 (Cree XP-G LED)  
#10507 (Carclo Spot Lens)  
#24AWG (24-Gauge Wire)

[www.ledsupply.com/alk-20m-3up-eh.php](http://www.ledsupply.com/alk-20m-3up-eh.php)

[www.ledsupply.com/creexpg-w417.php](http://www.ledsupply.com/creexpg-w417.php)

[www.ledsupply.com/10507.php](http://www.ledsupply.com/10507.php)

[www.ledsupply.com/24ga-wire.php](http://www.ledsupply.com/24ga-wire.php)

Also Needed: Solder Iron, Solder & Epoxy [www.ledsupply.com/accessories.php](http://www.ledsupply.com/accessories.php)

PLEASE NOTE other LED(s), LED Drivers and Optics can used besides whats shown in the example!  
Easily screws into universal Junction Box Cover (1/2" Male Electrical Thread)



Components



Steps 1-3



Steps 4-10



Step 11

**\*\*READ ALL STEPS FIRST\*\***

NOTE: Carclo Optic Holders Part# 10732, 10734 & 10736 fit better when tabs are cut off along top edge

**STEP 1)** Apply solder to POS & NEG solder pads

**STEP 2)** Strip each wire & apply solder (tinning)

**STEP 3)** String wires up through center of LED

**STEP 4)** Solder POS & NEG wires to respective LED solder pads

**\*\*\*STEPS 5-11 CAN BE DONE SEPARATLY OR AT ONCE IF DONE WITHIN 5 Minutes**

**STEP 5)** Mix a small amount of Epoxy

**STEP 6)** Spread epoxy on base of #ALK-20M-3UP-EH (where LED will sit)

**STEP 7)** Spread epoxy around base of #ALK-20M-1UP-EH

**STEP 8)** Place LED on base and run wires down through the heatsink

**STEP 9)** Dip legs of the #10507 into Epoxy

**STEP 10)** Place each leg of the Lens into respective hole on LED

**STEP 11)** Slide cover of #ALK-20M-1UP-EH down over Lens and LED

COMPLETED KIT