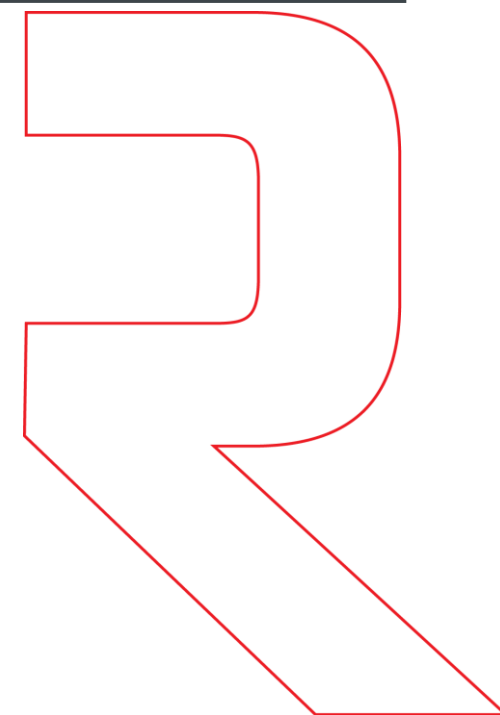




# Lighting in 2023

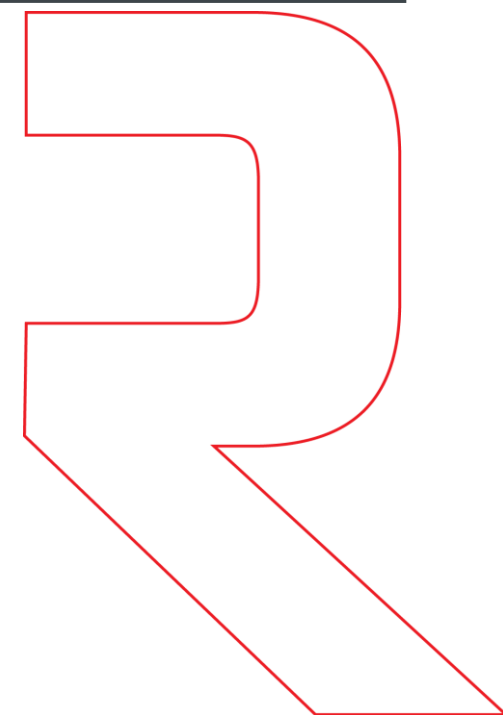
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*..as it should be*



---

*The Trends*



# NEW THIS YEAR...

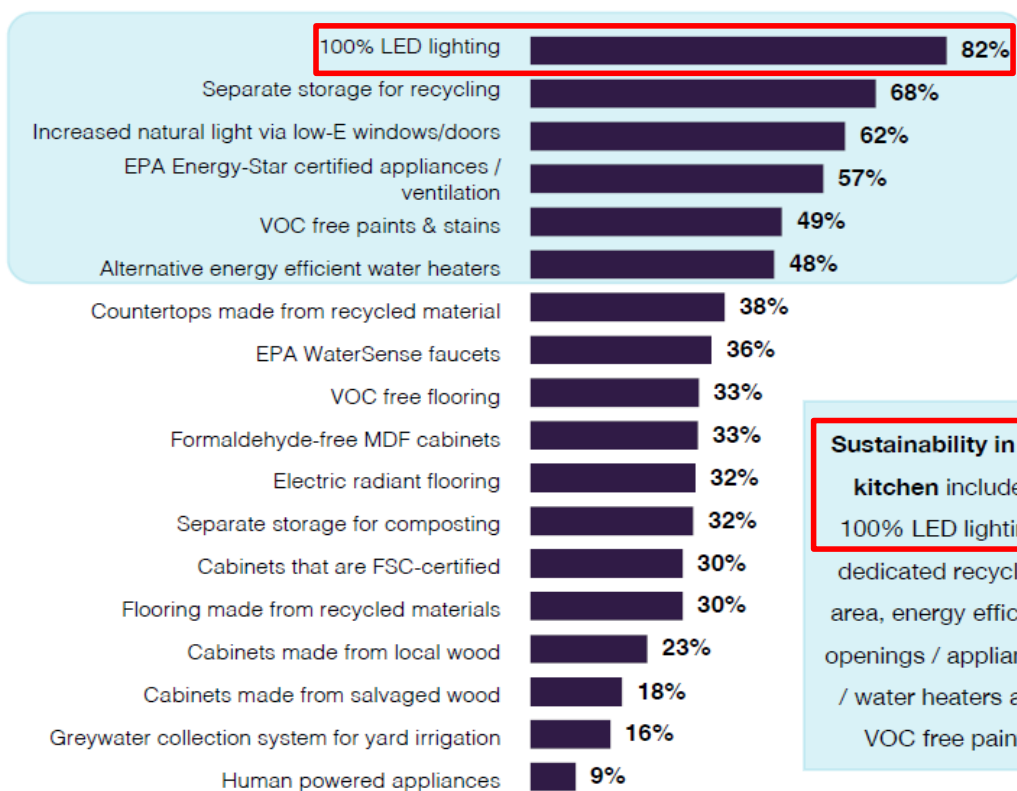
- + Combining **multiple design themes** to create a unique style
- + **Layering lighting** to address multiple needs
- + **Opening up kitchens** while finding ways to isolate and conceal clutter
- + Creating **spa-like bathrooms** that enhance homeowner experiences while allowing seamless aging in place



NEXT 3 YEARS

## KITCHEN SUSTAINABILITY

### Sustainability trends will continue in the kitchen



**Sustainability in the kitchen** includes 100% LED lighting, dedicated recycling area, energy efficient openings / appliances / water heaters and VOC free paint

# Trends

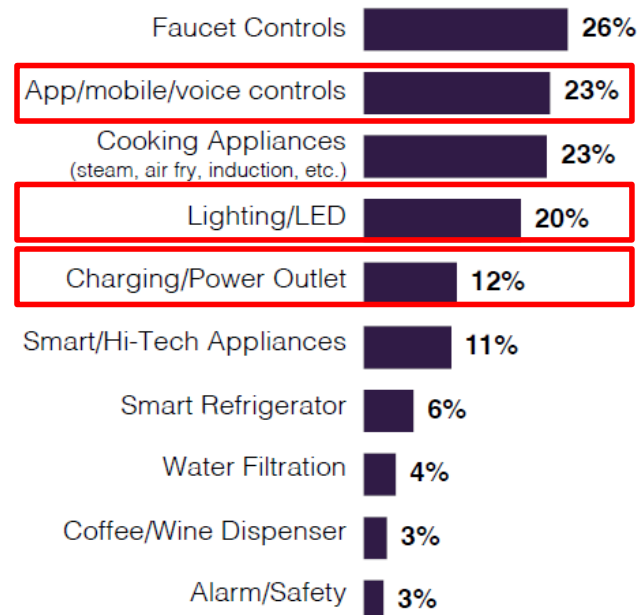
NEXT 3 YEARS

## EXCITING KITCHEN TECHNOLOGY



### KITCHEN TECH

Homeowners are excited about smart controls via mobile devices or voice control, touchless faucets, integrated lighting tech and smart appliances.



*Touchless faucets, app-controlled appliances*

*Smart refrigerators and hidden appliances*

*Whole house LED light systems, app controlled*

*Voice-activated lighting & appliances controlled with a smartphone.*

*Steam oven and air fry option*

*I think that older clients are okay with some features, such as door open alarms, whereas the millennials and Gen X's are seeking lighting and some appliance control.*

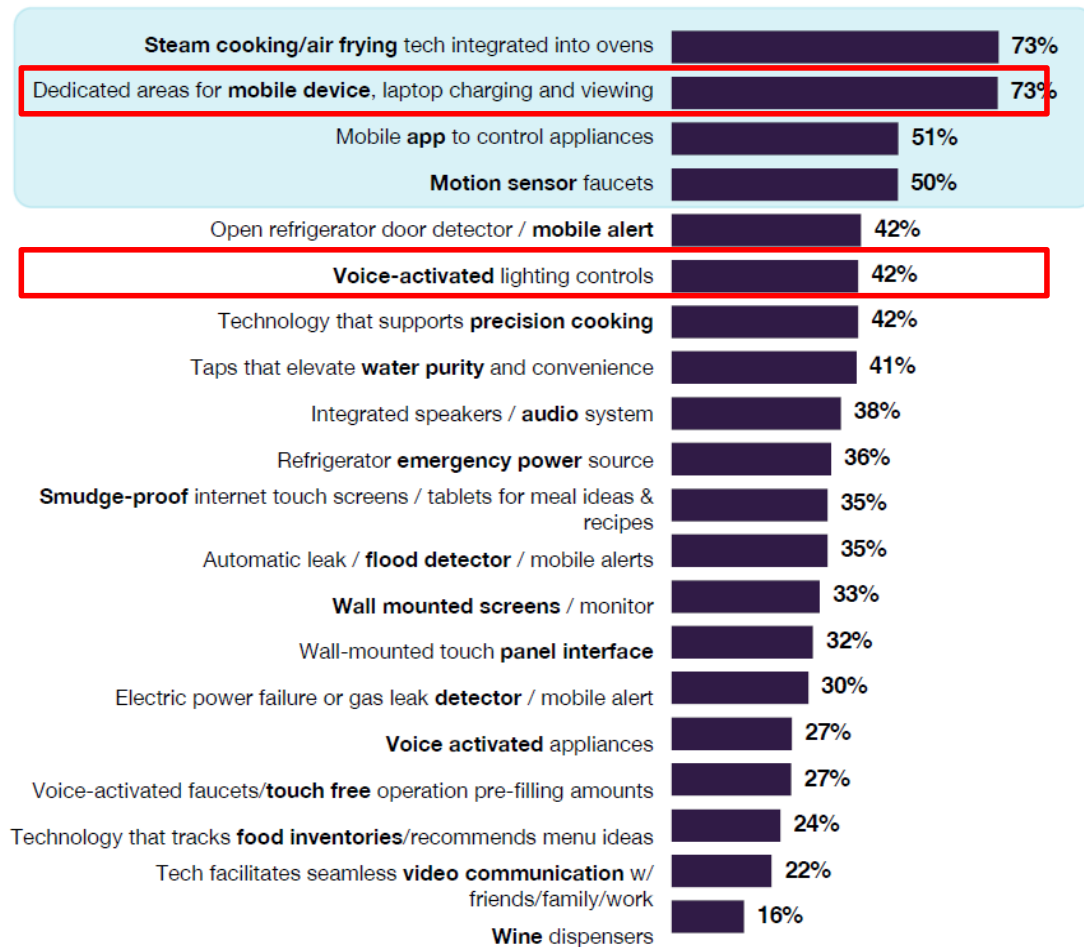
Base: Answered Kitchen Section-Total Answering (n=275)  
K21. What kitchen technology solutions / products are generating the most excitement among your clients? (OPEN END)

# Trends

NEXT 3 YEARS

PROMINENT KITCHEN TECHNOLOGY

**Key kitchen tech will include steam cooking / air frying ovens, mobile device charging / usage areas, as well as appliance apps and motion sensor faucets.**



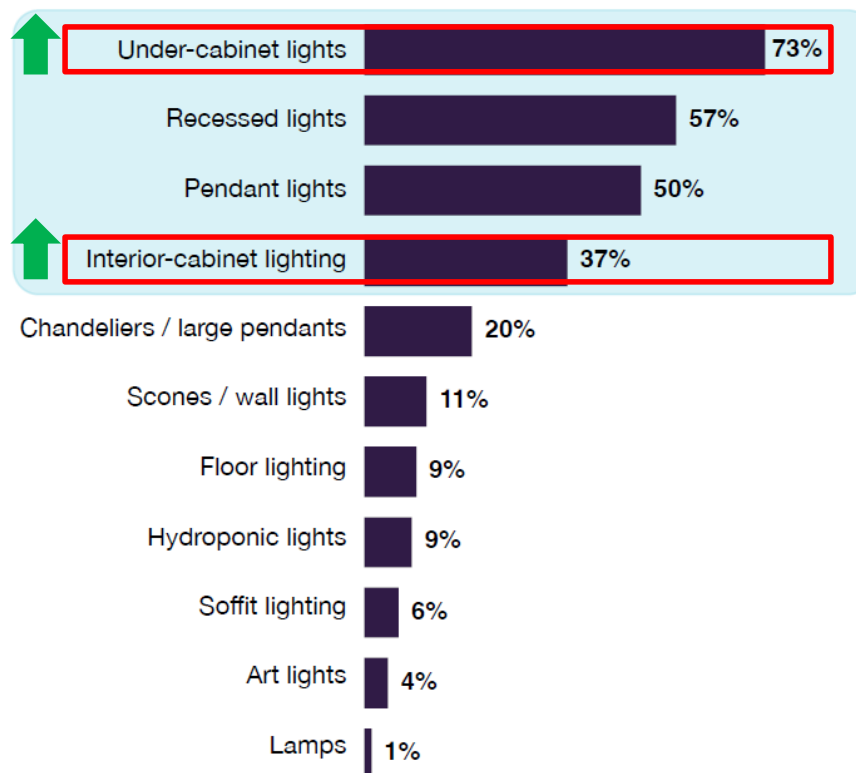
Base: Answered Kitchen Section (n=467)  
 K16. Now please think about integrated technology solutions in the kitchen. Which of the following KITCHEN technology solutions will be PROMINENT in the next 3 years?

# Trends

NEXT 3 YEARS

KITCHEN LIGHTING: TYPE/LOCATION

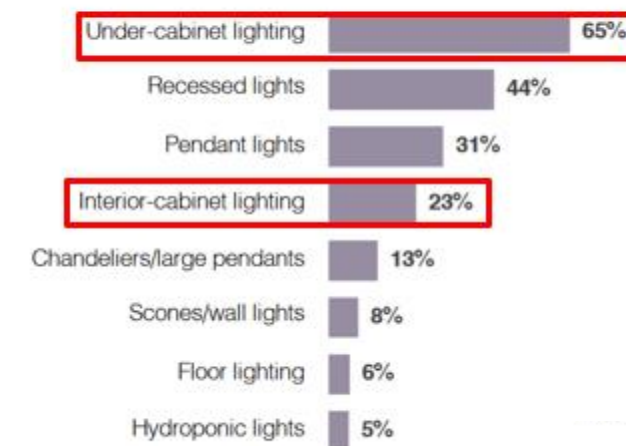
**Task and accent lighting with recessed lights and pendants will be more popular than chandeliers.**



**2022**

TYPE/LOCATION

Larger hanging and floor lighting are not expected to be in broad demand



Base: Answered Kitchen Section (n=467)  
K30K. Which types of kitchen lighting will be most popular over the next 3 years?

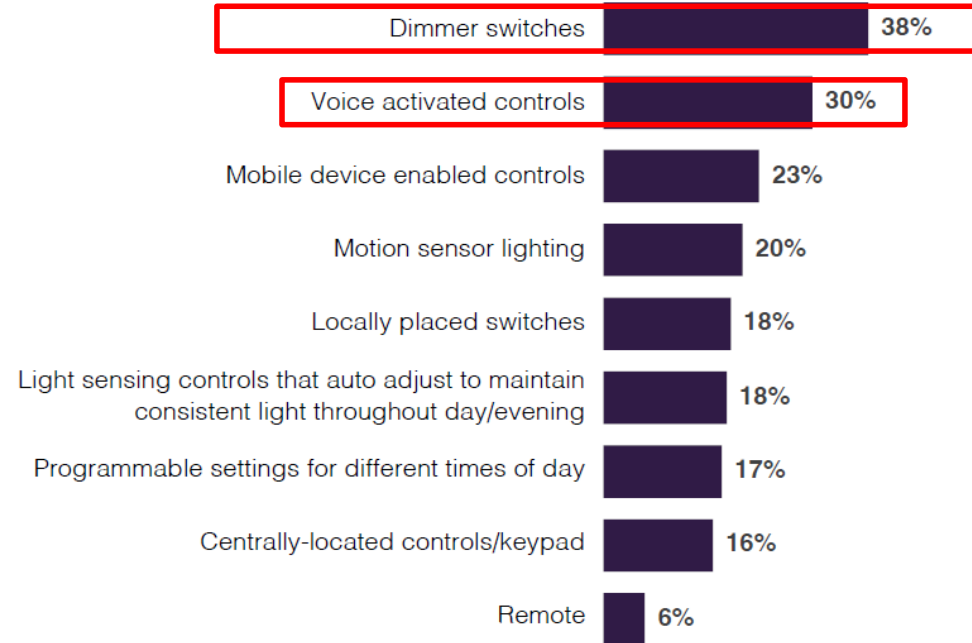


## Trends

NEXT 3 YEARS

KITCHEN LIGHTING: CONTROLS

In addition to dimmer switchers, voice-activated and mobile device controls for lighting will be popular.

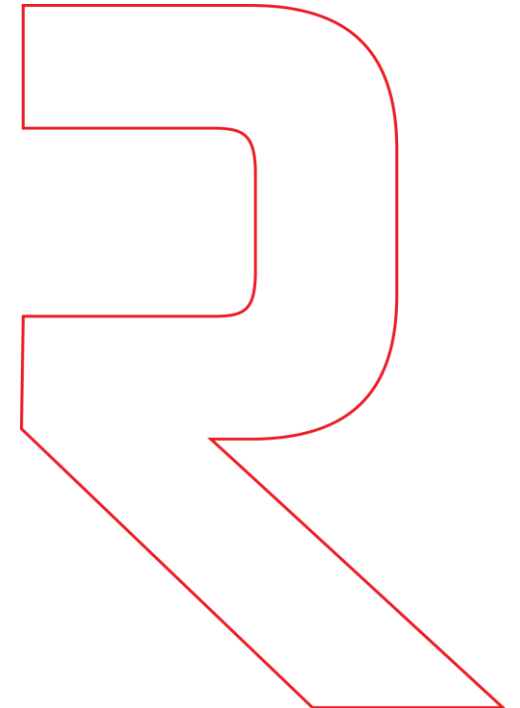


Base: Answered Kitchen Section (n=467)  
K30K. Which types of kitchen lighting will be most popular over the next 3 years?



---

***12V vs 24V***  
***explained***



## WHY IS IT BETTER TO CHOOSE 24Vdc?

The choice of the *LED operating Voltage (Vdc)* varies according to the type of LED and design specification, such as desired light intensity or dimension of the luminaire.



**Volts of direct current (constant voltage)**  
It indicates the voltage applied to the LED circuit.



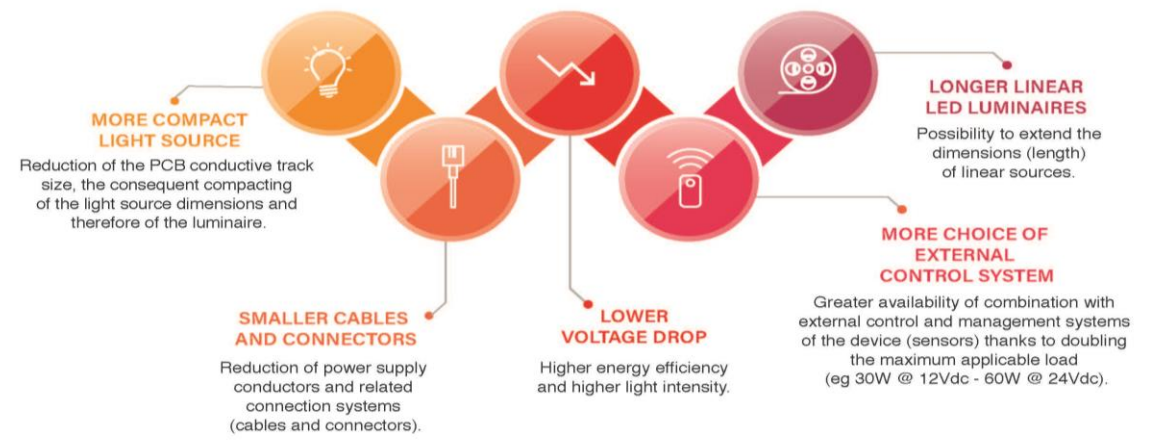
According to physics laws and rules:  
keeping the power (W) equal,  
varying the voltage (V) halves the current (A).

**LED Strip of 60W @ 12Vdc = 5 A**  
**LED Strip of 60W @ 24Vdc = 2,5 A**

This means that for LED devices, higher is the voltage (V - Vdc) less is the current (A) that goes through the wires.

  
**MORE EFFICIENCY**

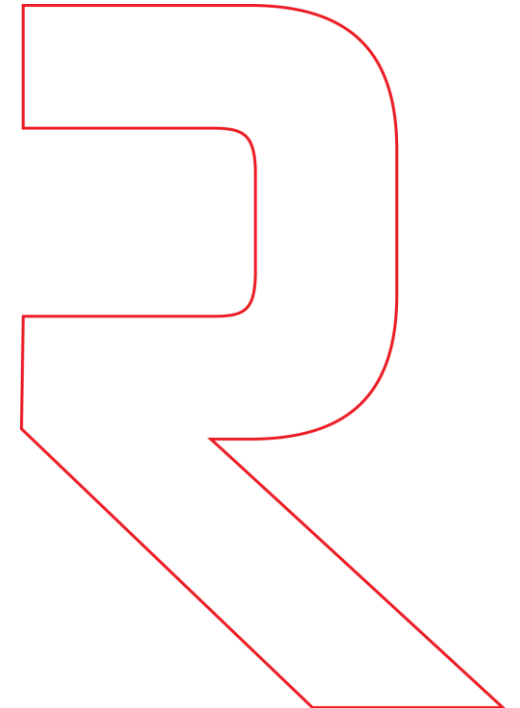
## THE ADVANTAGES OF USING 24VDC INSTEAD OF 12VDC ARE CONSIDERABLE

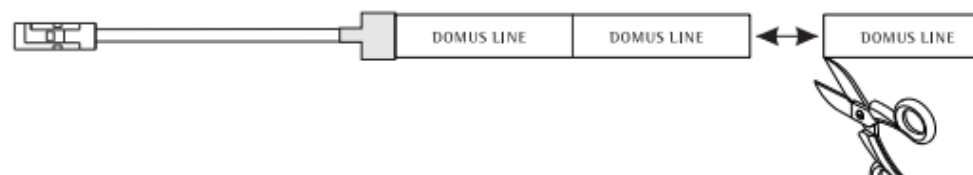
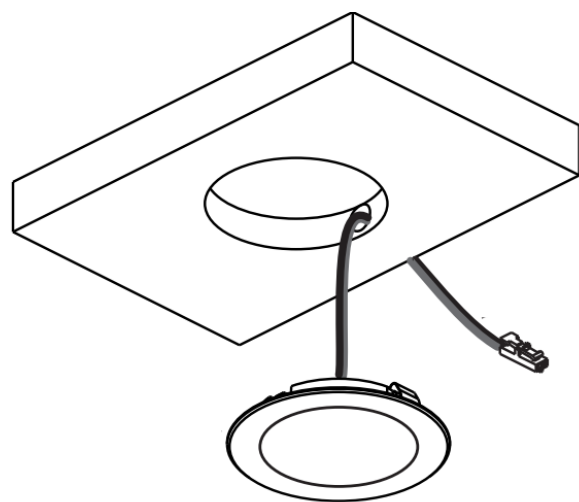




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***Simplified Lighting  
Program***





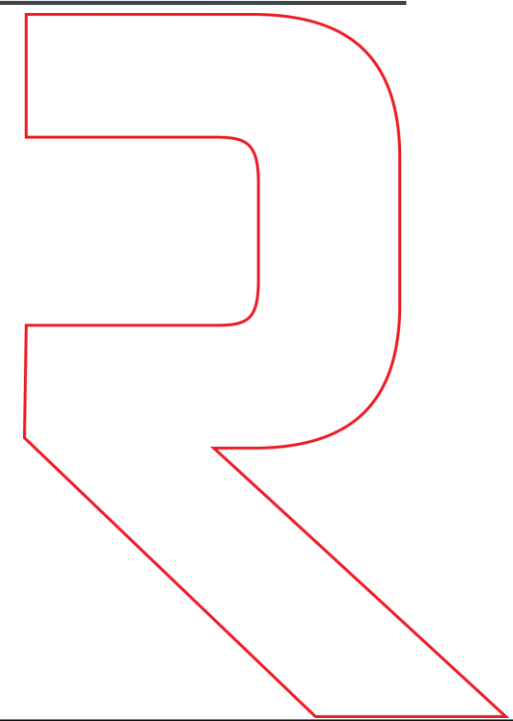
24 V

**WHITE CONNECTOR**  
Micro24



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*The Tunable White  
Experience*



TW



TW



ATOM TW



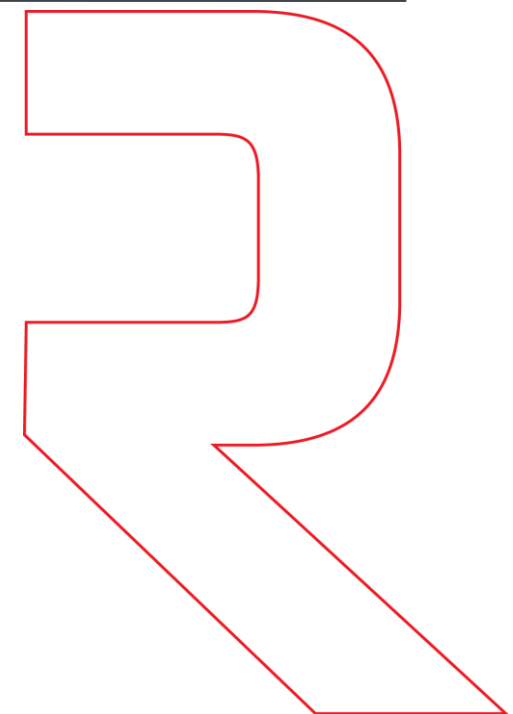
APEX TW





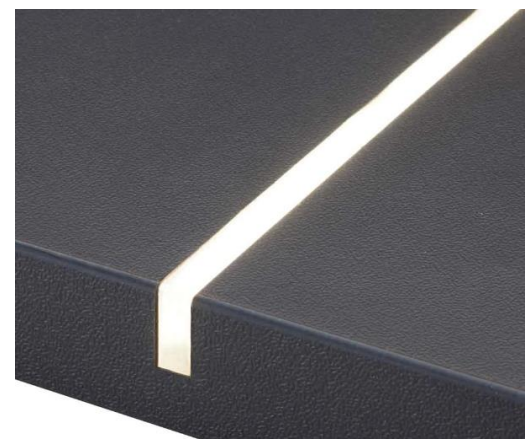
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***The Silicone Generation***



**Silicone**

**Flexyled SEH4**



# Silicone

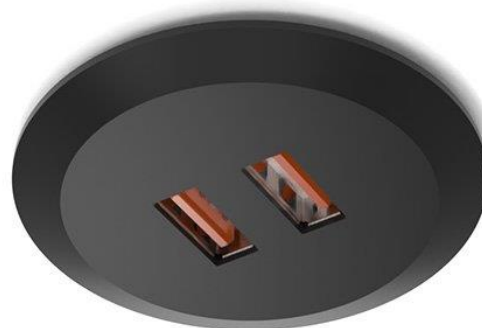


Flexyled AT6



**NEW**

**HOLL**



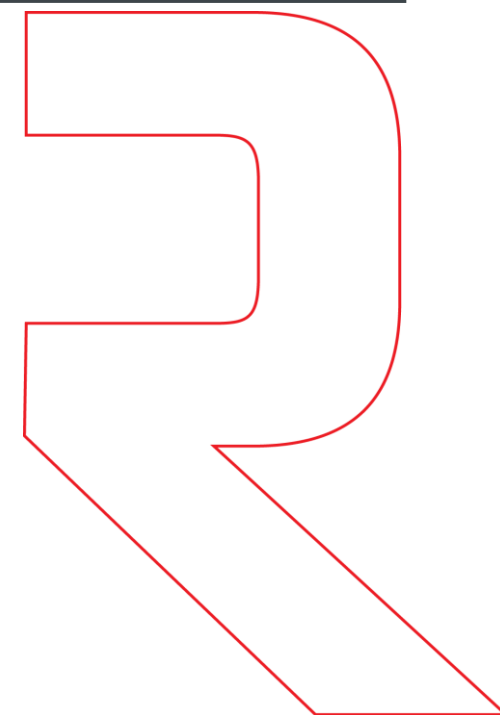
**SUBBY**





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*Just  
X-Driver*



# Just X-Driver

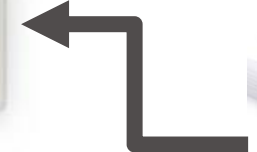
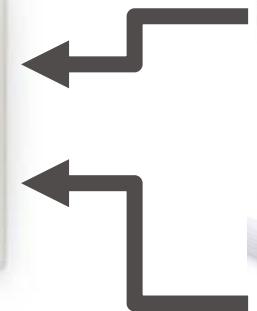
## X-Driver All-in-one Power Supply

Wireless Module

Wi-Fi Module



ATOM



OPT 1



3 Zone Remote

CALL ME



IR WI XD



PIR WI XD



OPT 2



Wi-Fi App



Alexa  
Google Home

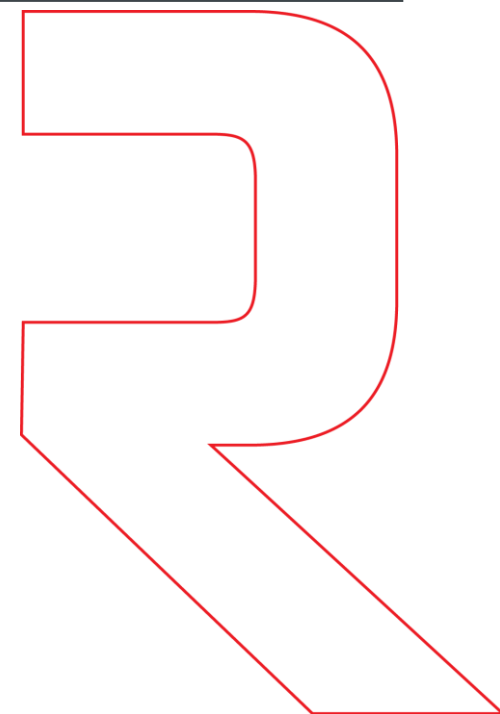
APEX





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## Closets



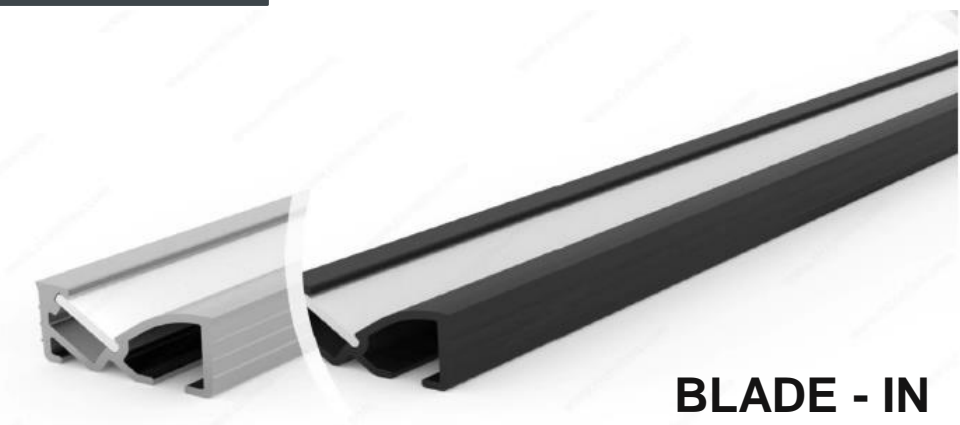


# Closets

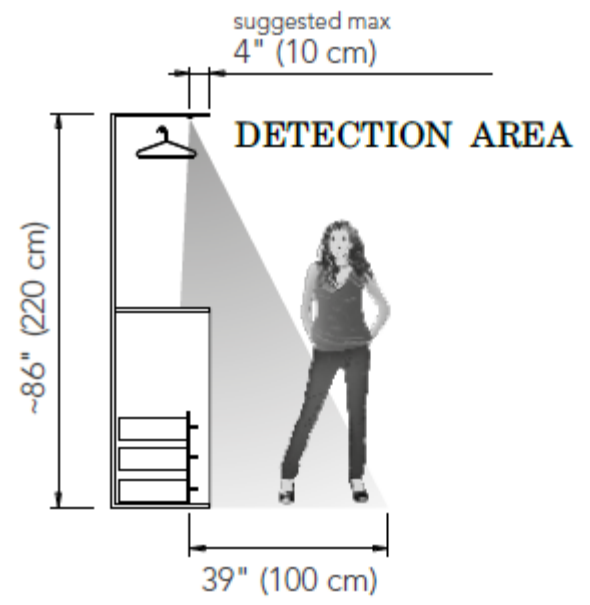


**GOCCIA**

# Closets

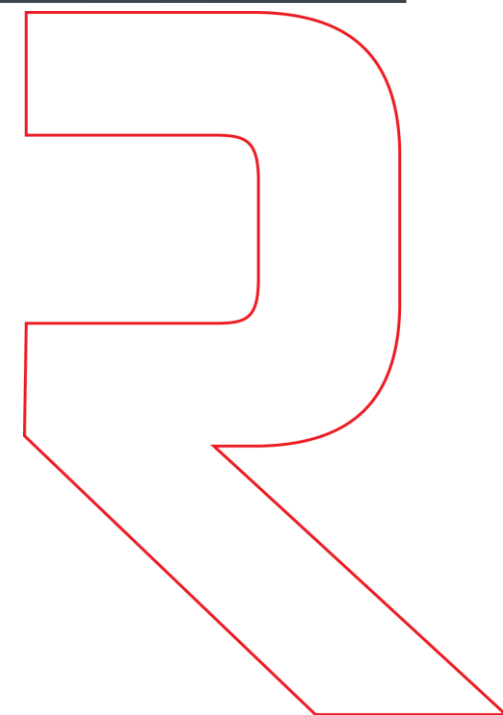


# Closets



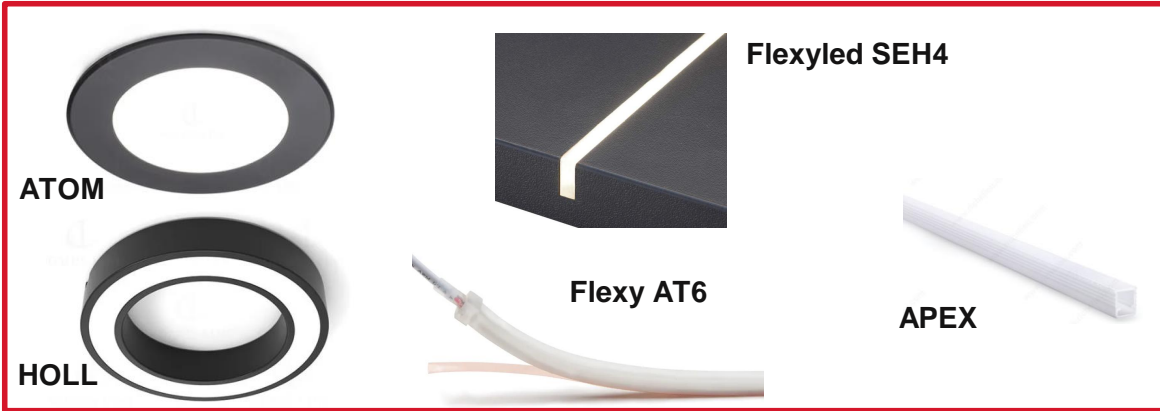
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**Summary**



# Summary

## 1- Products



## 2- Power Supply



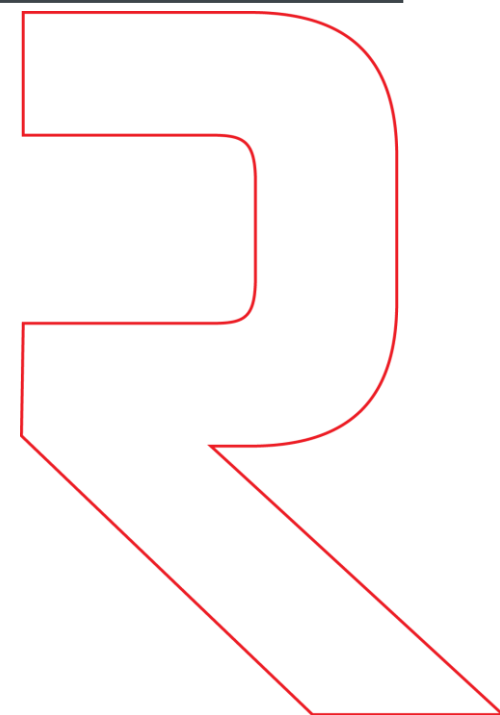
## 3- Accessories





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*Make it*  
**EASY**



# FREE Richelieu Lighting Layout Design Service

## 24-48 hours turnaround

### PARTS LIST:

Qty	No	Description	Unit Price	Extended Price
1	2	XDRIVER2460 24V X-DRIVER POWER SUPPLY, 60W		
2	1650501	CM4-XD WI-FI CONTROL FOR X-DRIVER (APP, AMAZON ECHO, OR GOOGLE HOME)		
3	1670240512419	LED 24 V FLEXILED UHE68 PW WITH 3M ADHESIVE, 5 W, 4000 K, NEUTRAL WHITE, 19 11/16" LENGTH		
4	1670241012439	LED 24 V FLEXILED UHE68 PW WITH 3M ADHESIVE, 10 W, 4000 K, NEUTRAL WHITE, 39 3/8" LENGTH		
5	1670241512459	LED 24 V FLEXILED UHE68 PW WITH 3M ADHESIVE, 15 W, 4000 K, NEUTRAL WHITE, 59 1/16" LENGTH		
6	30141100	1/4" HEIGHT SURFACE MOUNT, ALUMINUM LOW PROFILE WITH REMOVABLE OPAL LENS, 96" LENGTH		
7	30141280	FLAT MOUNTING CLIPS FOR PROFILE 30141210 AND 30141100, 4-PACK		
8	30141122	END CAPS FOR 1/4" HEIGHT PROFILE 30141100, 4-PACK		
<b>FREIGHT</b>				
<b>TAX</b>				
<b>GRAND TOTAL</b>				



**PROJECT:**  
GLENVIEW SHOWROOM

**AREA:**  
LAYOUT 1

**PREPARED FOR:**  
STARVED ROCK WOOD PRODUCTS  
268365-1

**RICHELIEU SALES REP:**  
JIM KEEFER

**PREPARED BY:**  
DEBORAH BLACKLOCK

**DATE:**  
07/22/2021

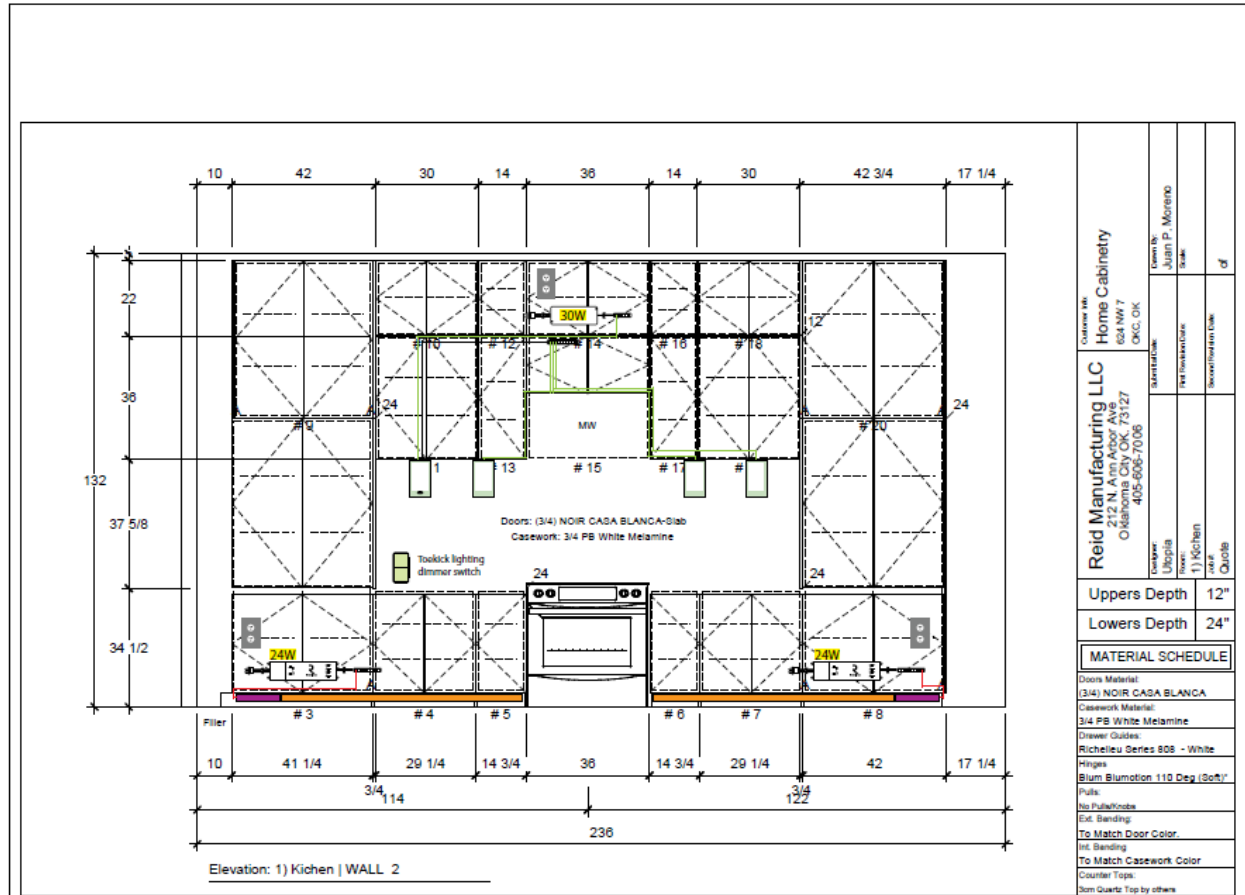
**IMPORTANT NOTICE**  
Product installation must be done in accordance with local electrical codes, please confirm with an electrician or inspection office. Richelieu wiring is not rated for being installed behind drywall on its own. A conduit or applicable tubing must be used with Richelieu wiring to run through construction materials.

Please use this lighting layout as a guide to connect the lighting system based on Richelieu suggestions. Alterations can be made on site to fit project needs or changes.

Extensions quantities may vary, please confirm on site prior to installation  
Maximum recommended distance of 20'-25' between light and power source.

**NOTE:**  
Prices are subject to change without notice.

**WARRANTY AND DISCLAIMER**  
Richelieu grants no warranty on LED lights if a power supply other than the once specifically prescribed for this product is used. Do not exceed the maximum wattage by connecting more lights than prescribed as damage to the power supply may result. Pre-wired lights: do not cut or splice wiring or the lighting system may be damaged and manufacturer's warranty is voided.



Customer No:	Home Cabinetry	Drawn By:	Justin P. Moreno
Customer Name:	Reid Manufacturing LLC	Date:	7/13/21
Address:	2122 N. Airway Ave Oklahoma City, OK 73127	Scale:	1/8" = 1'-0"
Phone:	405-606-7006	Sheet/Total Sheets:	1/1
Project No.:		Client:	Reid Mfg
Project Name:		Project:	Utopia
Project Location:		Project Manager:	
Project Start Date:		Project End Date:	
Project Status:		Project Notes:	
Project Description:		Project Contact:	
Project Contact Name:		Project Contact Phone:	
Project Contact Email:		Project Contact Address:	

Uppers Depth	12"
Lowere Depth	24"

MATERIAL SCHEDULE	
Doors Material:	(3/4) NOIR CASA BLANCA
Casework Material:	3/4 PB White Melamine
Drawer Guides:	Richelieu Series 808 - White
Hinges:	Blum Elumotion 110 Deg   Soft
Pulls:	No Pulls/Knobs
Ext. Banding:	To Match Door Color
Int. Banding:	To Match Casework Color
Countertops:	3cm Quartz Top by others

### LEGEND:

107024124020 FLEXILED HE CR 19 30145000 HEAT SINK	107024124079 FLEXILED HE CR 78 30145000 HEAT SINK	107024079 78" POWER CABLE FLEXILED HE CR	127124030 K-PAD TOUCH DIMMER	128124030 K-PAD LED	109D00101 DECORA DIMMER	DH2424 DIMMABLE POWER SUPPLY	52430 PLUG-IN POWER SUPPLY	OUTLET
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**Richelieu**  
LIGHTING LAYOUT DESIGN SERVICE

# HQ77388

**PROJECT:**  
UTOPIA

**AREA:**  
KITCHEN

**PREPARED FOR:**  
REID MFG.

**RICHELIEU SALES REP:**  
ROBERT CURL

**PREPARED BY:**  
DEBORAH BLACKLOCK

**DATE:**  
08/04/2021

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**PAGE 1**



Thank You