PROPOSAL FOR HOTEL & PROPERTY MGT Qivation

# Our Story

#### "WELLNESS ACTIVATION"

Qivation is created out of one single objective, bringing the everyday wellness and health everyone is entitled.

As a group of innovators from Hong Kong, we are creating products that advocate a better and healthier lifestyle. We create products that are innovative, safe and easy to use in stylish designs which fit perfectly in your smart homes and accessible for everyone.

Traditionally people buy a disinfection spray for disinfection, buy a wireless charger to charge their phone. But what else can the disinfection spray provide except disinfection? Qivation has breakthrough this tradition to create the general home and personal products not just offer their own original features but also provide additional purification functions "Multifunctional", have you ever thought that a lightbulb that can light up your place, can provide various lighting effects but also can purify the surrounding area? This is what Qivation do

In addition to developing a series of photocatalyst household and lifestyle products, Qivation also provides **business solutions** for our business partners and consumers





"Upgrade general home accessories with self-antibacterial and purification function"

Purification in a Safe and Natural Way

# WHAT MAKES US SPECIAL?

#### MULTIFUNCTIONAL & UNTRADITIONALLY

Our Technology accrete into consumer products, amenities or accessories. We offer a single application that covers various functions, a desk lamp with a wireless charging function, a LED lamp, and a phone stand, also can purify any small belongings you place on top. A LED light bulb with smart control, offering dynamic lighting effect, energy savings and also can purify the surrounding air. Purification safely, naturally and gradually

GENERAL AMENITIES & ACCESSORIES
WITH ADDITIONAL UNIQUE PURIFICATION FEATURES, ELEVATE THE INDOOR AIR
QUALITY NATURALLY









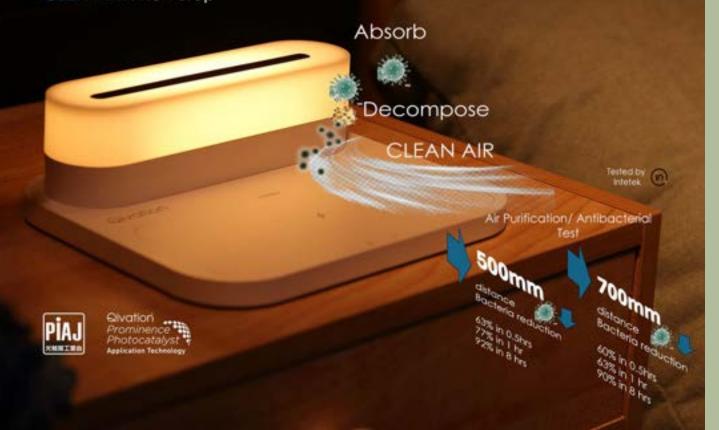


### Qivation

#### Purify the air by the Charging Pad

Pollutants in the air
Absorb & Decompose by
the CHARGING PAD SURFACE then
Converting them into
CLEAN AIR non-stop

SEMI- PERMANENT strong Long Lasting Coating adhered on CHARGING PAD SURFACE



## OUR TECHNOLOGY

3 3 1 E P 3

PURIFICATION CYCLE

# ABSORB DECOMPOSE CONVERT

# Strong protective film COATED ON SURFACE can

ELIMINATE POLLUTANTS 63% IN 0.5 HOUR

REDUCE FORMALDEHYDE 6% IN 1HR

#### REMOVE UNPLEASENT SMELL/ DEODORIZATION

- 1. Acetaldehyde 10.2% in 1 hr
- 2. Acetic acid 90% in 30mins
- 3. Ammonia **90% in 30 mins**

REMOVE **CIGARETTE SMELL/HARMFUL SUBSTANCES**Total removal rate: **83.7% in 3 hours** 

DURABLITY 10 YRS MAX

WITH SELF-CLEANING EFFECT\*

\*Self-Cleaning effect apply to item mainly for outdoor such as Glass, lighting outdoor furniture, dust and dirt can be easily slip away by raindrop after coated on the items.

The data listed above reference to individual testin report subject to its testing scenario & conditions





Q General Nano Photocatalyst Coating

placed in the Testing room

## SIGNIFICANT EFFECT

in
Deodorization &
Removal of Cigarettes
Harmful Substances

# OUR TECHNOLOGY



Nano Photocatalyst Coating

Design for various applications





# OUR TECHNOLOGY







Design a specific application method to apply the Nano Photocatalyst coating based on each product characteristic







# OUR TECHNOLOGY

Comparison of
Normal lightbulb VS Qivation TiO2 Lightbulb
for burning cigarettes harmful substances removal effect







# The only Brands in Hong Kong

Of the same product category
Compliance with Various
international Air Purification Standard

with
CIC **Green Product Certification**Platinum Recognition

in compliance to
California Department of Public Health
Indoor Air Quality Standard
for VOC emission

in compliance to ISO & JIS Standard Antibacterial & Antiviral Air Purification Standard effectively removal Formaldehyde & other harmful substances



# OUR CERTIFICATE & TESTING















Intertek

Intertek

**Eurofins** 

CIC

Hong Kong Science Park

PIAJ

Anti-bacterial Test

#### Space/Area

\*500mm distance

>60% (0.5hr)

>70% (1hr)

>90% (8hrs)

\*2 x Qivation TiO2 lightbulb (in 100 sq.ft)

Air purification effect



Anti-bacterial Activity Test

#### Product Surface

>99% (Significant)

ISO22196:2011 International standard

JIS Z 2801:2010 Japan Industrial Test



Certified as

Air Quality Low emitting materials

Compliance
California
Department of
Public Health

Indoor Air Quality Standard for VOCs emission CDPH Standard Method v1.2

A board coated with Qivation materials



Contribution to LEED® v4 credit



Certified as

Green Product

CIC Green
Product
Certificate
Platinum
Recognition (the
highest level)

Contribution to Hong Kong BEAM PLUS assessments of building sustainability performance



Verified
TiO2
Application
Adhesiveness

Result: TiO2 examined

Product
Elemental
Composition
analysis
For various
Qivation product
surface

(Acrylic /Polyester/ PU)

\*Polyester Washed: 10 times



**Certified Effect** 

Self Cleaning
Antivirus
Antibacterial

**Air Purification** 

(Formaldehyde removal 6% in 1hr

21% during the day)

#### **Durability**

(10 years max.)

PIAJ Certificate
In accordance with
ISO internationals
standard/ Japan
industrial standard



JIS MARKETER MODETER STREEGER Cigarette Smell & Harmful Substances Removal Test

Total Removal: 83.7% in 3 hrs

JEM 1467-2015 standard

A board coated with Qivation materials



#### **Deodorization Test**

(Major Harmful substances – for Burning Cigarettes )

Acetaldehyde –

10.2% in 1 hr

Acetic acid -

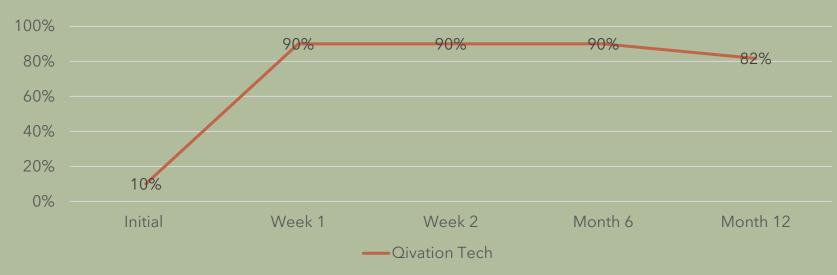
90% in 30mins

Ammonia –

90% in 30 mins

A fabric coated with Qivation materials

# DURABLE & SUSTAINABLE PRODUCTS



Durable Coating Adhered on product surface

# Purification effect More than 12 months

with normal maintenance
Such as general wiping
few times a month less than 5H hardnes

Maximum Up to 10 years \*

#### Qivation Coating on Product

12 mths +

+ 8.3% per yr

10 yrs max

Durability
normal maintenance

Deterioration <sup>,</sup>

Durability \*

(Accelerated weather test machine: **Reference 300 hours** ⇒**Equivalent to 1 year of actual exposure**)

Test hours: 3,000 hours, Initial state: 21 3,000hours: 9 (83% reduction) It artificially reproduces sunlight (mainly ultraviolet rays) / temperature / humidity (regular rainfall) and observes deterioration of paints and building materials at a promotion rate of several to 100 times that of outdoor exposure (without artificial scratching or wiping). The TiO2 photocatalyst effectiveness duration of each our product depends on the maintenance condition, frequently scratches, rub or wipe will lose effectiveness faster, vice versa, the effectiveness last longer

<sup>\*</sup>JIS D 0205: 1987 Japan Industrial Standard Weathering resistance test

## OUR RECOGNITION

**AWARD-WINNING PRODUCT** 

HONG KONG

EUROPEAN PRODUCT DESIGN

AWARD

Customer Reviews " Actually it does improve air quality"



\*\* \* \* \* Actually does improve air quality! ( Find Order Reviewed in the United Kingdom on 14 October 2022 Vine Customer Review of Free Product ( where this!)

United Kingdom

Surprisingly, I managed to prove that this DOES actually change the air quality in a room. My partner vapes and the clouds of vape from his device often half fill the lounge - it's visible, sometimes obscuring a clear view of the television several hours into a movie.

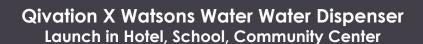
As this came with a screw in E27 fitting, I used it in our IKEA floor lamp in the lounge. After scanning the QR code, I installed the app. It was quite a faff as I had to temporarily downgrade our Wi-Fi router, but eventually we had a connection.

We could then operate the bulb from my phone, which is a bit of a pain as it can't be connected to two phones, so we added the Alexa integration within the app - which worked seamlessly.

The bulb's colour temperature can be adjusted from warm white to blue white. The warmer end of the options is perfect for mood lighting.

About two weeks later, I realised that I hadn't had to squint at the TV through a cloud of vape for weeks! So yes, amazingly it is doing something to the air quality.

Hope my review helps someone



A deak lamp with a wheless charging function, a ponutive LED lamp.

ata can purify any small belongings you place an lop

TiO2 Multifunctional Dask Lamp with Wireless Charges





Filtration Dispensing Station

With Qivation Technology, the WATSONS WATER dispensing station has been upgraded with self-antibacterial and purification functions and more sustainable too .....



#### CNN SELECTED AS ONE OF 37 PRODUCTS MUST-HAVES

#### 37 Products That Became Unavoidable Must-Haves Thanks To The Power Of TikTok - Here's What You Need To Know

5.40 PM (CT. Tue May 23, 3152)



Featured by





To2 Multifunctional Desk Lamp

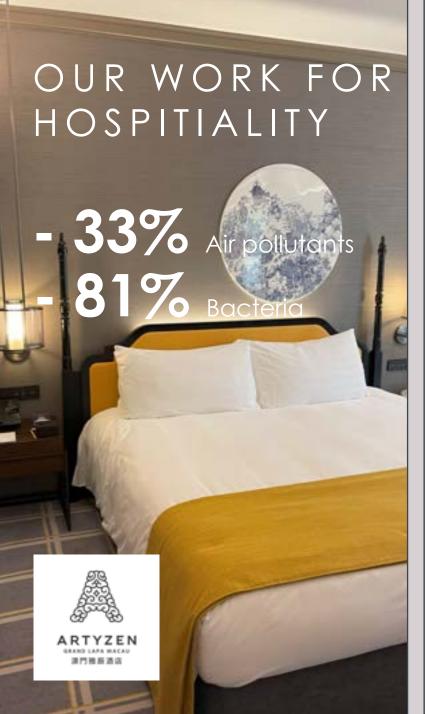
with Wireless Charger

Qivation

"CNN undercoved is a subsidiary of CNN group. Their product review is based on extensive testing, and only pick the best that they have used themselves











# OUR WORK FOR COMMUNITY CENTER





"Those unpleasant smells surrounding the Toilet area are lesser after the coating is applied in the facilities" From **Caritas** users



OUR PRODUCT

1

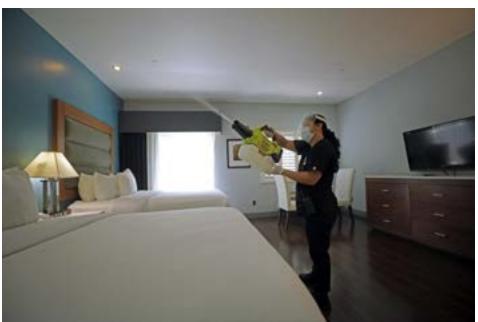
# PURIFY THE AIR BY THE AMENITIES & FIXTURE

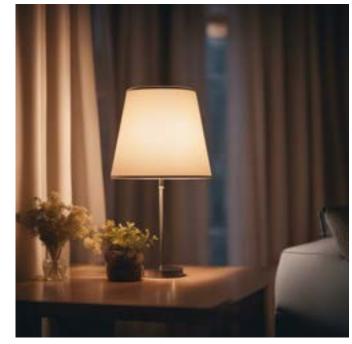












Coating on Facilities, Various Amenities & Fixture









## PURIFY THE AIR BY AMENITIES & ACCESSORIES







# GG

## IT DOES IMPROVE AIR QUALITY 55

PRODUCT REVIEW
BY END CONSUMER

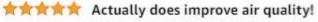
QIVATION TIO2 LIGHTING



#### Top reviews from United Kingdom







Reviewed in the United Kingdom on 14 October 2022

#### Vine Customer Review

Surprisingly, I managed to prove that this DOES actually change the air quality in a room.

My partner vapes and the clouds of vape from his device often half fill the lounge - it's visible, sometimes obscuring a clear view of the television several hours into a movie.

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About two weeks later, I realised that I hadn't had to squint at the TV through a cloud of vape for weeks! So yes, amazingly it is doing something to the air quality.

Hope my review helps someone.

# TiO2 Lighting

For commercial

Our Technology can transform commercial lighting into self-antibacterial and purification effects. Like our consumer product range <u>Lighting Q</u> (adapted with WiZ smart lighting software of Signify "formerly Philips lighting"), the Lighting itself can purify the surrounding air.

There are plenty of choices available for our Qivation TiO2 Lighting for commercial, including Lamps, Luminaires, Spotlight, and Outdoor lighting.

Longer Service Lifetime
Strong & Long Protection on
Product Surface
Durability 10 yrs max.

Purify the surrounding air by the Lighting

Eliminate 63% bacteria in 500mm distance

With SELF-CLEANING EFFECT

For outdoor lighting

Dust and dirt can easily slip away by raindrops



TiO2 Lighting







Our Technology can transform commercial lighting into self-antibacterial, purification and self-cleaning effects\* Remains the Same Lighting Effects and Brightness

<sup>\*</sup>For outdoor lighting only, dust and dirt can easily slip away by raindrops





Qivation can customize the product specification based on customer need OR

Consider our **Q Tech Transformation Program** that customer to provide their own lighting for Qivation accretes the technology into customer lighting at the production site.

Qivation TECH

Transformation

## PURIFY THE AIR BY THE WATER DISPENSER

With Qivation Technology, The Watsons Water Water Dispenser retains its brilliant features with high-quality purified water but is also carried with additional purification features by its product surface and is more durable and sustainable too.





#### **Qivation X Watsons Water**

TiO2 ANTIBACTERIAL RO Hot & Ambient WATER DISPENSER

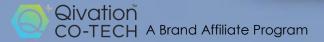
For Home & Commercial

With Qivation Technology, The Watsons Water Water Dispenser retains its brilliant features with high-quality purified water but is also carried with additional purification features by its product surface and is more durable and sustainable too.

Longer Service Lifetime
Strong & Long Protection on
Product Surface
Durability 10 yrs max.

Purify the surrounding air by the Dispenser Eliminate 63% bacteria in 500mm distance Removing unpleasant smell







#### **Qivation X Watsons Water**

TiO2 Antibacterial Smart Water Filtration Dispensing Station

For Public Facilities (Wall-Mounted)

Longer Service Lifetime
Strong & Long Protection on
Product Surface
Durability 10 yrs max.

Purify the surrounding air by the Dispenser Eliminate 63% bacteria in 500mm distance
Removing unpleasant smell





#### **Qivation X Watsons Water**

TiO2 Antibacterial Water Filtration Dispensing Station

For Public Facilities (Floor-Stand)

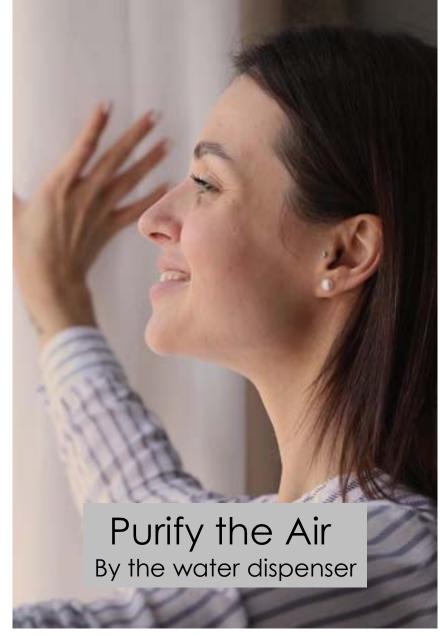
Longer Service Lifetime
Strong & Long Protection on
Product Surface
Durability 10 yrs max.

Purify the surrounding air by the Dispenser Eliminate 63% bacteria in 500mm distance
Removing unpleasant smell













# AWARD-WINNING product

2023 TOP DESIGN



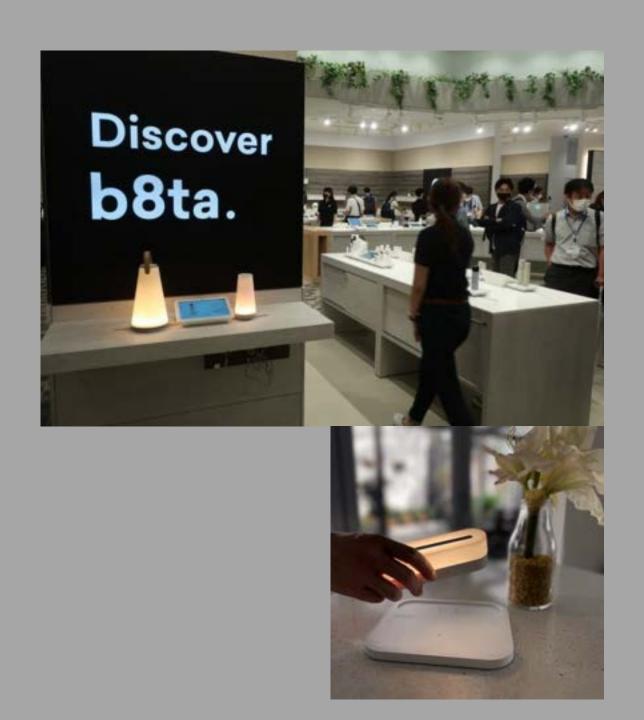
# Qivation

TiO2 Multifunctional Desk Lamp w charger HONG KONG EUROPEAN PRODUCT DESIGN AWARD

# GG

99

CUSTOMER REVIEW
B8TA TOKYO JAPAN





TiO2 Wireless Charging Pad Plus Model No. WQ10006 Silver ion & Titanium dioxide(TiO2) (PIAJ registration number: 2019-0002) 178 x 154m x 56 mm I 332g Material ABS, PP, Metal | Color White Magnetic Portable LED Lamp Battery Capacity 400mAh | 4.2V | 1.3W Input Voltage DC5V/2.1A\* DC9V/1.67A\*\* \*General charging speed / \*\* Fast charging speed Power 15W/7.5W/10W/5W (subject to spec. of the device for charging) Power Supply Port USB TYPE-C









Package also inclusive: USB Type-C Cable x 1pc Magnetic Iron Strip with Paper Sticker x 1pc



# 5

# **TIO2 DESK MAT**

TiO2 Desk Mat
Model No. WQ10003
Silver ion & Titanium dioxide(TiO2)
(PIAJ registration number: 2019-0002)
800 x 400 x 1.8 mm | 380g
Material PU Leather
Available Color









# SUSTAINABLITY. ESG. GREEN BUILDINGC. SUSTAINABLITY. ESG. GREEN BUILDING.

# SUSTAINABLITY. ESG. GREEN BUILDING

SUSTAINABLITY. ESG GREEN BUILDING

# SUSTAINABLE PRODUCTS

Qivation
Technology
can









### Qivation Product Contribution to **ESG**

### GLOBAL REPORTING INITIATIVE GRI REPORTING STANDARD



**306 WASTE** 



Guidance for Disclosure 306-2-a

- Collaboration in the value chain and business model innovation:
- •Setting policies for procurement from suppliers that have sound waste prevention and waste management criteria.



## 403 OCCUPATION HEALTH & SAFETY

Guidance for Disclosure 403-3

 Occupational health services aim to protect the health of workers in relation to their work environment.

Guidance for Disclosure 403-10

• Work-related ill health can include acute, recurring, and chronic health problems caused or aggravated by work conditions or practices.





## 416 CUSTOMER HEALTH & SAFETY

Guidance for Disclosure 416-1

identify the existence and range of systematic efforts to address health and safety across the life cycle of a product or service.



# Summary of **Green Building & ESG** Initiatives With Qivation Product









Green Building Certificate

Environmental, Social, Governance Goal

REPORTING CATEGORY

LEED® ∨4

AIR QUALITY-LOW

EMITTING MATERIALS

\*apply on plastic surface

Use of Green Products
Indoor Air Quality-IAQ
Germ resistance
Management
Innovation and
addition....

A01 - Air Quality Standard

**X06 - VOC Restrictions** 

GLOBAL REPORTING INITIATIVE

**GRI 300** 

306 WASTE

GRI 400

403 OCCUPATION HEALTH & SAFETY 416 CUSTOMER HEALTH & SAFETY

CREDIT CONTRIBUTION \*max

2 points

10 points

4 points

3 achievement

<sup>\*</sup>The above information is for reference only and potentially with the condition to successfully count into the relevant credit system, it is also subject to actual scenario and final submission by the Company to the relevant organization

# Qivation Product Specification Compliance with **Green Specification Of Hong Kong Government**





### **Environment and Ecology Bureau**

The Government of the Hong Kong Special Administrative Region of the People's Republic of China

### WHAT is Green Procurement of Hong Kong Government?

Green Procurement means purchasing products and services that cause minimal adverse environmental impacts. It incorporates human health and environmental concerns into the search for high quality products and services at competitive prices.

As early as year 2000, the Government has amended its procurement regulations to require bureaux and departments to take into account environmental considerations when procuring goods and services.

Our Product Compliance with below product category

B03 – Paint H02/ H03 – Light Fitting



Since the launch of the first product in 2021, it has been highly praised and supported by various renowned organization and parties

- (Hong Kong government project showcase the excellence of Hong Kong's creative talent HK Atelier 2023) Qivation was selected as one of the brands to represent Hong Kong at the Tokyo International Gift Fair 2023
- Technological research supported by the Hong Kong University of Science and Technology (HKUST) nanotechnology expert team / start-up company and showcased Qivation Nano-photocatalyst home products at HKUST Startup Runway 2022
- Qivation was **invited by HKTDC (Hong Kong Trade Development Council)** as the **ONLY** representative out of **1700** exhibitor to introduce our products and technologies at their press conference
- **Invited by Amazon** to join the Amazon Launchpad Program in the UK, this project aims at Amazon to support some brands and start-ups with unique and innovative products to help brands promote in different channels of Amazon
- Qivation X Watsons Water launched the "TiO2 Antibacterial Smart Water bottle refill station", through Qivation technology the water station is upgraded to have self-bacteria and purification functions
- Various well-known retailers in Hong Kong including Fortress, Cathay Pacific online store, LCX....etc sell Qivation's products
- Featured by Global Renowned Tech Platform and media such as Gadget flow, PR times, Japan cnet
- Qivation TiO2 Wireless Charging Pad has been selected by CNN underscored as one of the 37 products that become unavoidable must-haves ..., CNN underscored product review is based on extensive testing and only pick the best that they have used themselves
- Positive product reviews from real users in <u>Hong Kong, Japan, U.K, U.S</u> and other countries\* **A real customer selected by Amazon** (Amazon Vine) commented on our product (TiO2 smart LED light bulb), After using it for a period of time, it can really improve air quality.
- Global Business Award 2023 (Most innovative Air purification technology company Hong Kong) awarded by Corporate Vision in the U.K.
- Qivation TiO2 Multifunctional Desk Lamp with Wireless Charger Plus has awarded as **2023 Top design of European Product Design Award** ™





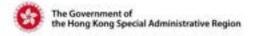






Collaboration with **Watsons Water** 





HK Atelier program Representing H.K



Yan Chai Hospital Elderly center





Selected by CNN underscored
As one of the 37 products
must-haves



即可開始運行。OK推介

我好喜歡呢款產品設計,威覺簡潔,放屋企用,又 試過放係車用,操作都非常簡單,只係噤下開關掣



Qivation COMPACT 光觸媒空氣淨化機





### 日本用家 男性 20 代

1 March, 2022



充電しながら除菌できることに関心していたお客様。 ワイヤレス充電は1台しかできないのか?と仰せでまとめて 充電できたらいいなとおっしゃっていました。

客戶對充電時同時進行消毒的功能很威興趣。只能為一個無線 設備充電嗎?他說,如果能同時為所有設備充電就更好了。



Qivation 光觸媒無線充電座 Plus





Ch\*\*\* \*all 28 July, 2022



... The lamp is them a nice, relatively low level bedside lamp, in which you can pick up and carry the light around with you, say to the bathroom or kitchen or whatever.



Qivation Multifunctional Desk Lamp





### Ding\*\*\*\*hi 15 May, 2022



家住郊外,房間經常渗入沼氣,長年有腐臭味,即 使用空氣清新機也幫不了很多。抱著姑且一試的心 態買光觸媒,效果挺好的,殺菌效果挺顯著,用了 半小時後,房間已無臭味。



Qivation 光觸媒智能LED燈帶





Ka\*\*\* 14 October, 2022



Surprisingly, I managed to prove that this DOES actually change the air quality in a room. My partner vapes and the clouds of vape from his device often half fill the lounge...

About two weeks later, I realised that I hadn't had to squint at the TV through a cloud of vape for weeks!

### from amazon.com

Qivation TiO2 Smart LED Light Bulb





Car\*\*\* \*ang 28 August, 2022



開咗之後,好似真係無咗啲噹味



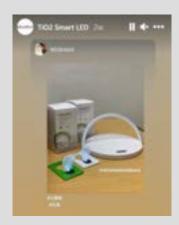
Qivation 光觸媒智能LED燈廳



Customer Product Review (from Hong Kong, Japan, U.K.)

# Hong Kong Users and Celebrity Endorsement



















# Japan Users and Celebrity Endorsement





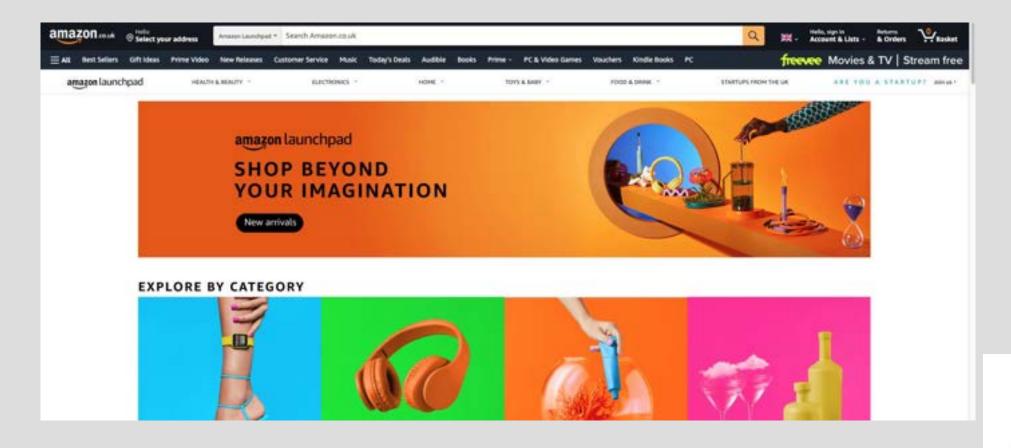






### **Qivation @ Amazon Launchpad**

Qivation is honored to be **invited by Amazon** to join the Amazon Launchpad Program in the UK. The Amazon Launchpad Program is aimed at **Amazon to support some brands and start-ups with unique and innovative products** to help brands promote in different Amazon channels.





### Qivation @ HK Atelier 2023

Hong Kong Atelier - A promotional event to <u>showcase the excellence of Hong Kong's creative talent</u> at major international trade fairs, funded by the <u>Hong Kong government</u>, and approved by a screening panel based on strict criteria. The screening panel is composed of representatives from HKTDC and qualified members nominated by well-known design agencies and institutions in Hong Kong with professional knowledge or experience in the design field, <u>Qivation is honored being selected as one of the brands to</u> representing Hong Kong attending the Tokyo International Gift Fair 2023



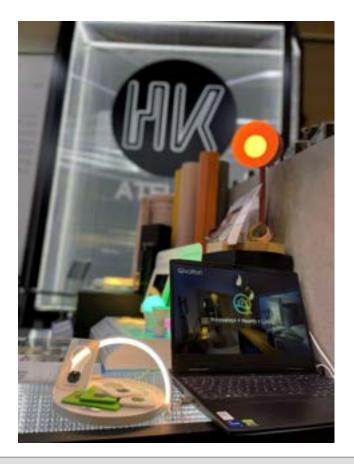












### Qivation @ b8ta Tokyo Shinjuku Marui Shop

B8ta - Japan trendy innovative design product experience store

Selected our Qivation Tio2 Wireless Charging Pad Plus Demonstrated at their store

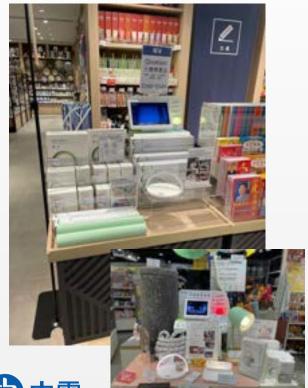






### Qivation @ Various Renowned Retail outlet













豐澤 TORTRESS















Pricerite













### Qivation @ Exhibition HK

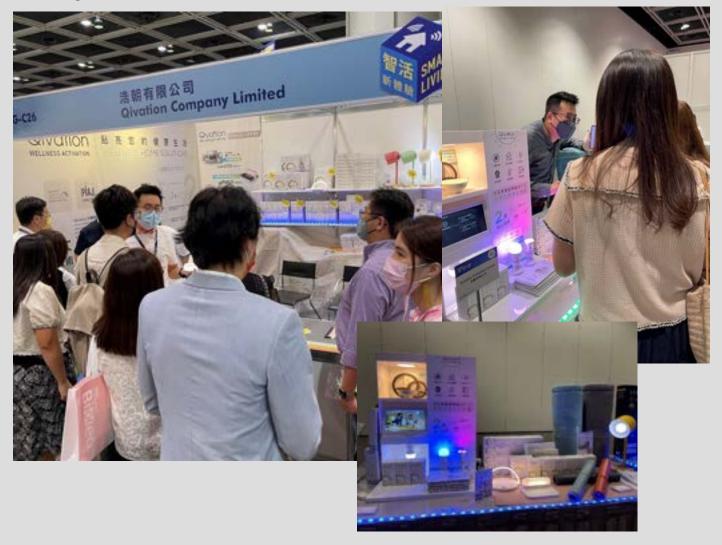
BB expo HK 2021







Home Delight 2022



### **Qivation @ Exhibition Overseas**



Ambiente Frankfurt 2023 & 2024

Lifestyle Mezzanine In ASEAN 2022



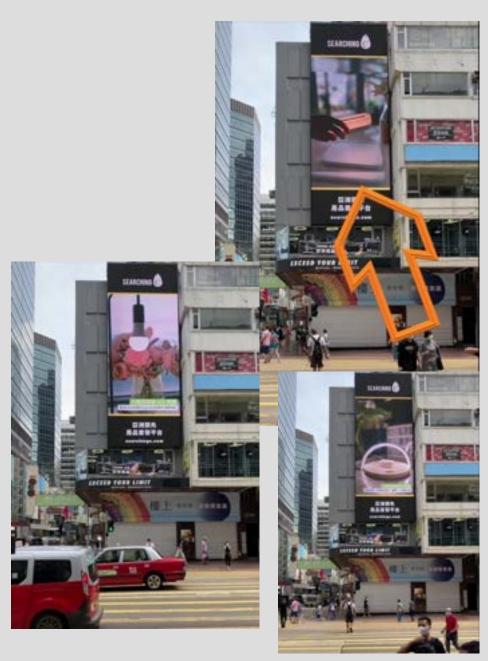


Tokyo International Gift Show 2023



### Qivation @ The Street





# **Qivation Commercial Project Reference** E F F E YAN CHAI HOSPITAL



# Bringing you a Sustainable Wellness Life

### Contact for more information

Qivation Company Limited

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@QivationGlobal

Linkedin: @qivation

Website











