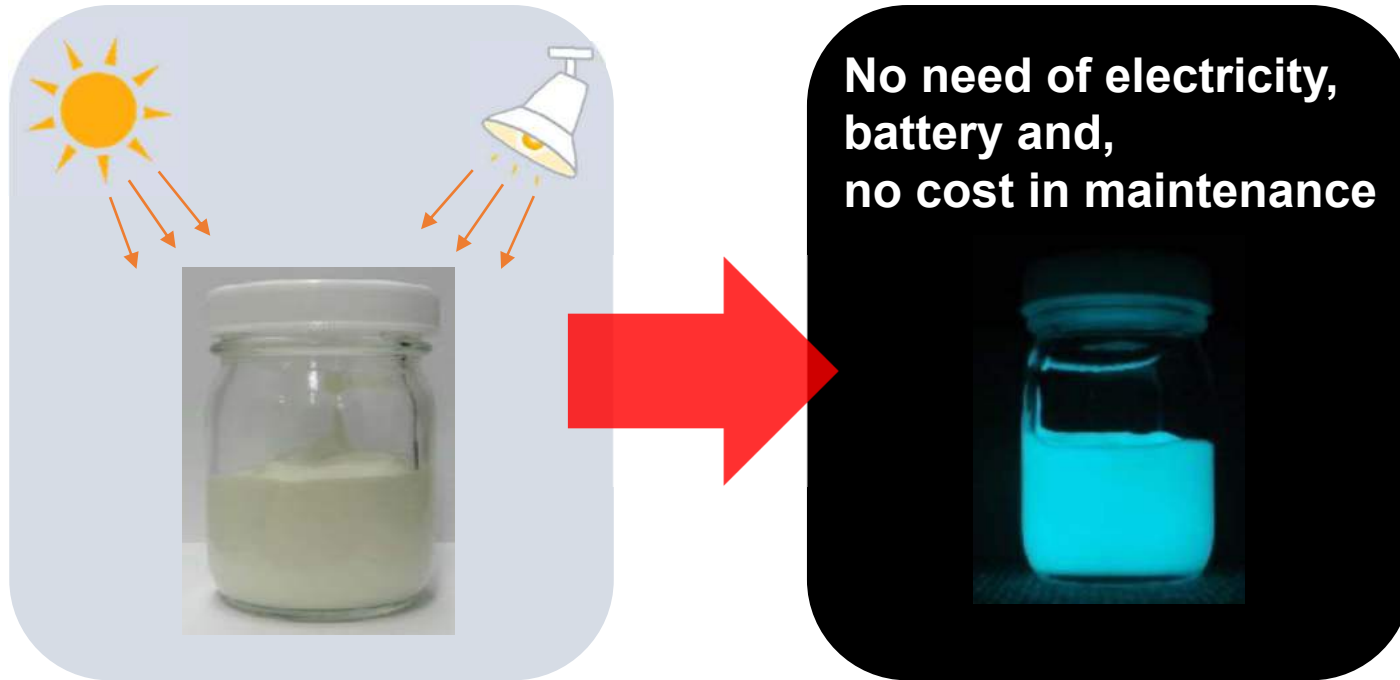


High-luminance phosphorescent products

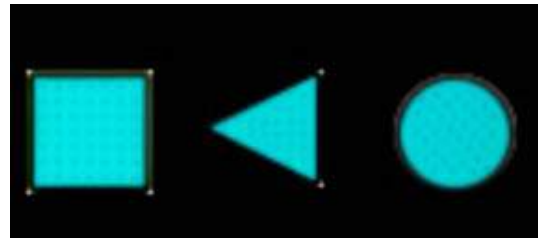


What is phosphorescent products?



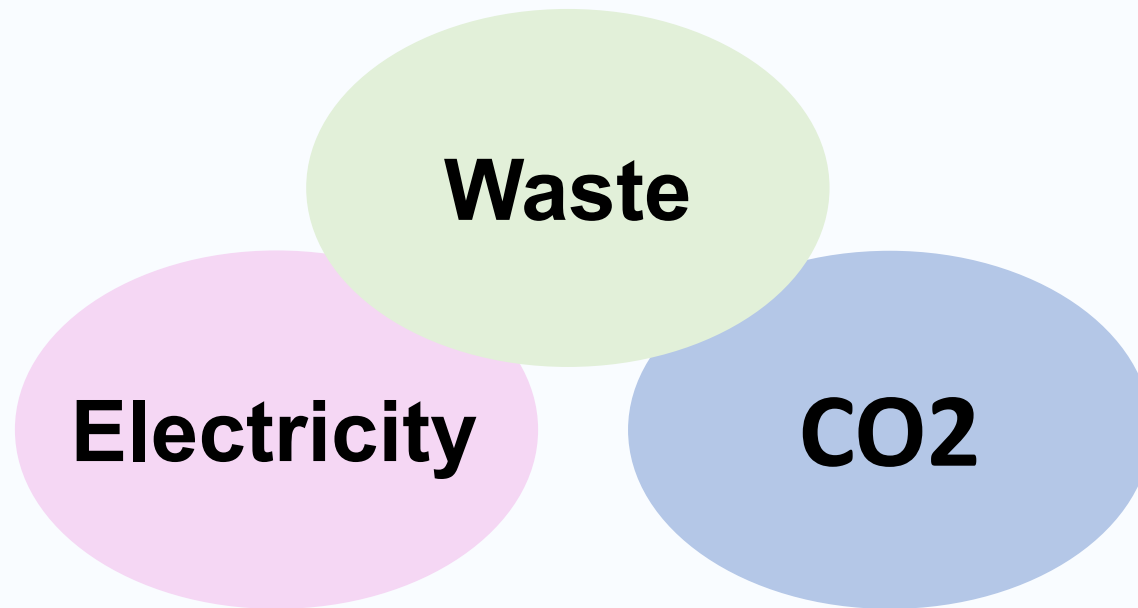
High-luminance phosphorescent products is...

A phosphorescent products that fulfills the standards of disaster country Japan defined by various laws and regulations.



Phosphorescent products are more environmentally friendly than electric products

3 Reductions

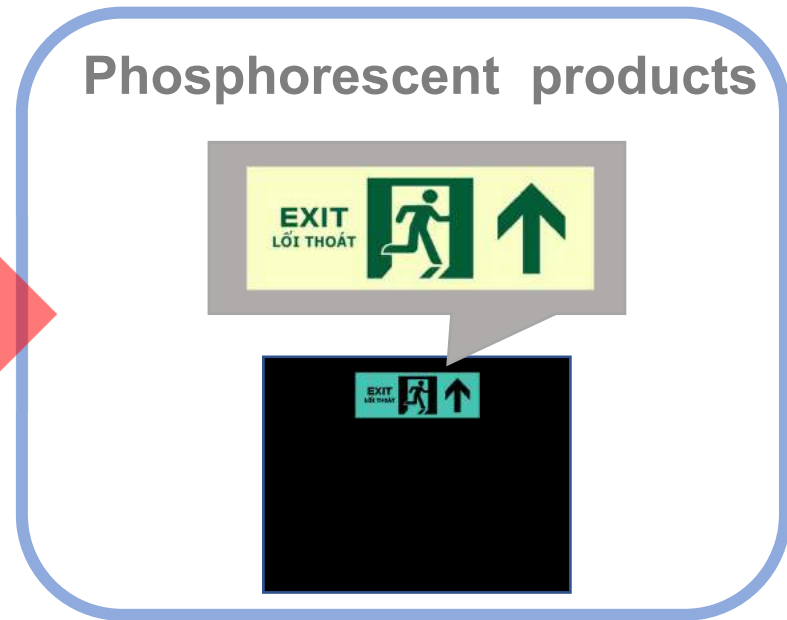


It contributes to reduction of CO₂ as it requires zero energy and it does not produce wastes such as light bulb and battery which could be required periodically.

Furthermore it could be installed by anyone as it does not require wiring or piping.

Therefore, phosphorescent products are environmentally friendly and easy to be handled.

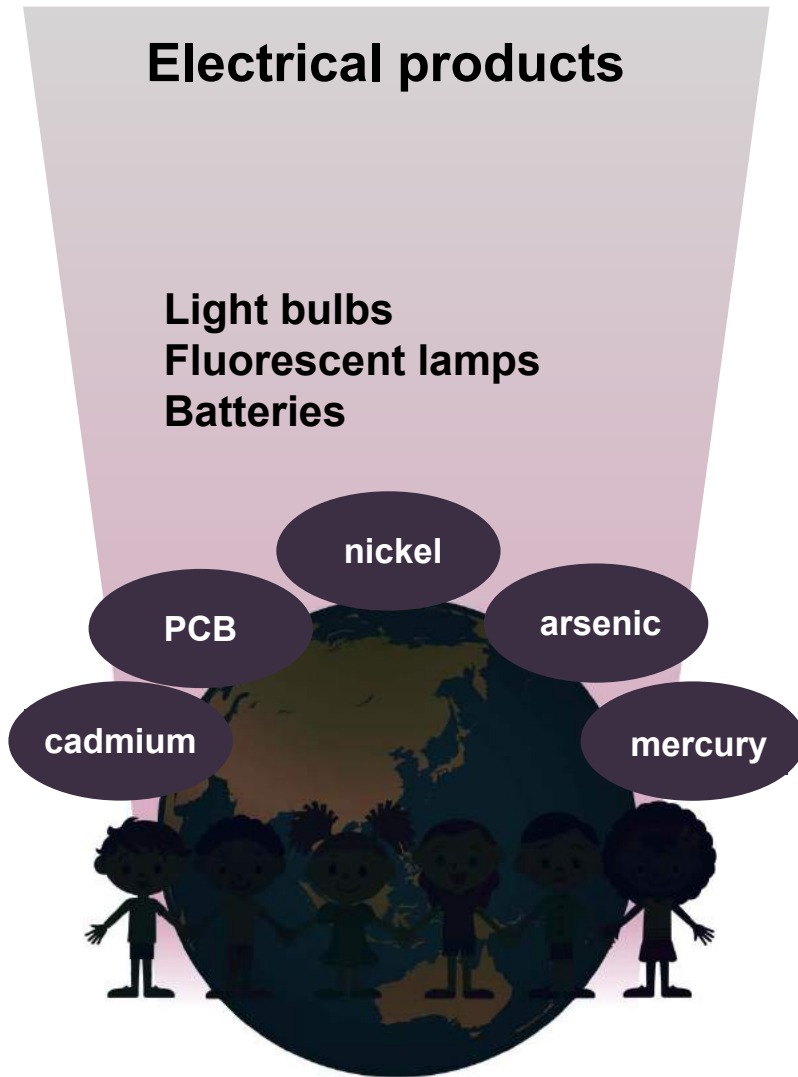
Contributes to reduction in electricity consumption and CO2



For each sign		
CO2 emission	1 year	10 years
	57.8kg	578kg
Electricity	131.4kw	1314kw

For each sign		
CO2 emission	1 year	10 years
	0kg	0kg
Electricity	0kw	0kw

Contributes to waste reduction



It also leads to reduction in disposal costs and recycling costs.

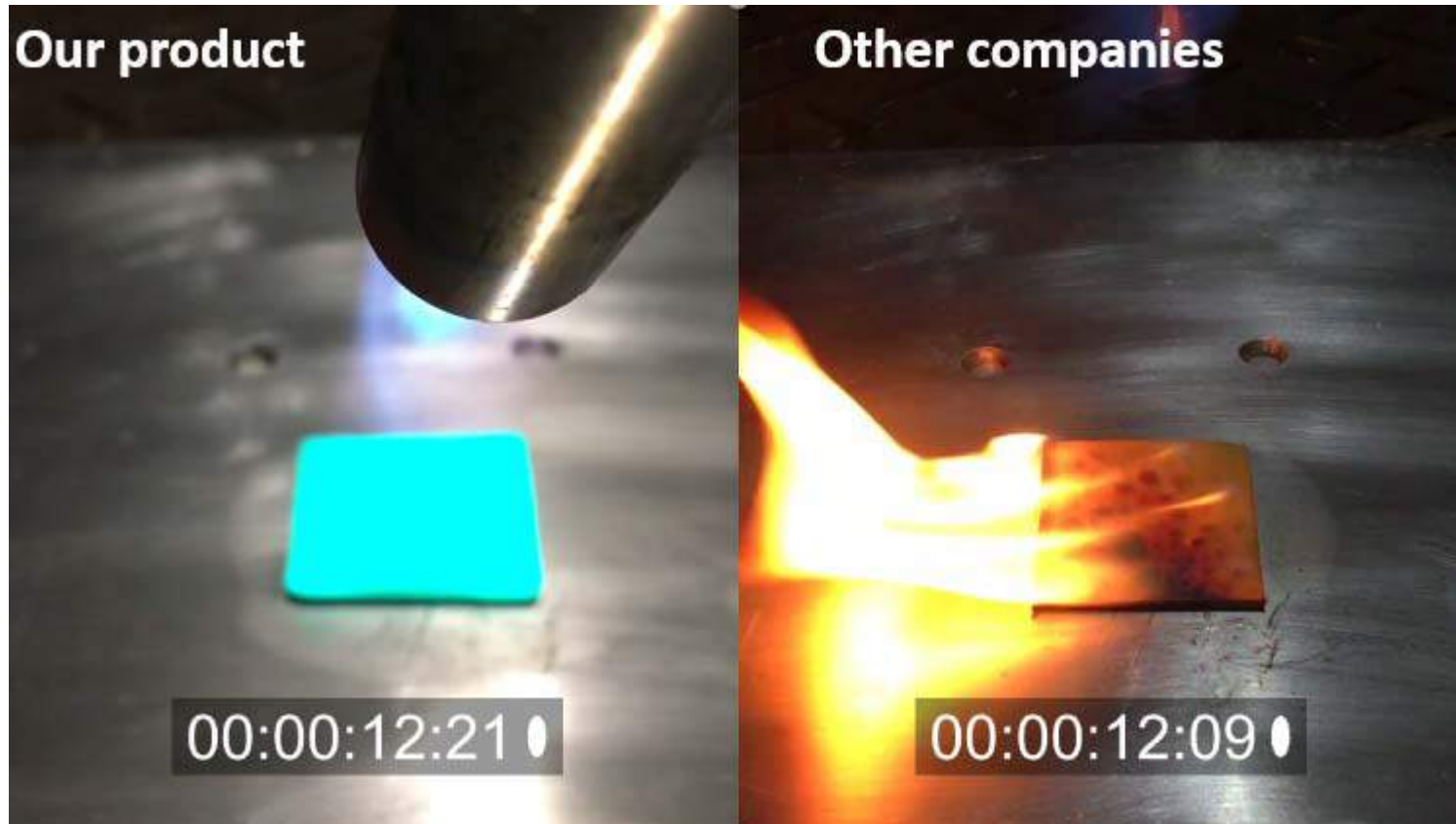
Comparisons of phosphorescent products between us and other companies

Products	Materials	Change in shape, color and, durability	Resistance				Luminance Warranty	Luminance*1		
			Water	Fire	Heat	Stain		60 min	120 min	720 min
Company A	Resin	△	△	×	87°C	△	NA	168	80	10
Company B	PVC	△	△	○	79°C	△	NA	129	59	10
Company C	Film	×	×	△	80°C	△	NA	78	33	3.4
TOKAI	Silicone	◎	◎	◎	Above 200°C	◎	10years	265	125	14

*1 : Luminance of products (mcd/m2) Results of 60min exposure under xenon lamp at 400μW/cm2

Product characteristics (Strong fire resistance)

Fire with an industrial gas burner



Product characteristics (Adapted to every situation)

Can withstand chemicals, cigarette fire and vandalism.

Safe to use in food manufacturing environment as bugs are rarely drawn to it.

Exceptional water resistance and antifouling properties.



Load bearing capacity to withstand heavy vehicles like large trucks on roads.

Installation in Japan



Product characteristics wide-range of use

Main places being used

Pavements, highways, bridges, tunnels, promenades, service stations on highways and coastal areas

Railways, airports, ports

Schools, libraries, municipal halls, art museum, hospitals, old folks home

Parks, fields, camps, golf courses, amusement parks

Department stores, shopping malls, hotels, restaurants

Apartment buildings, office buildings

Coin parking, parking lots at facilities, bicycle parking

Factories, warehouses