

LED 405nm UV Light

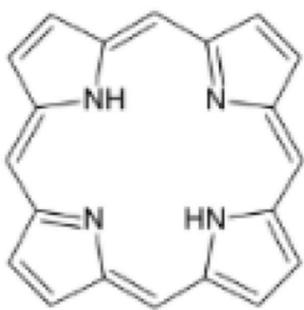
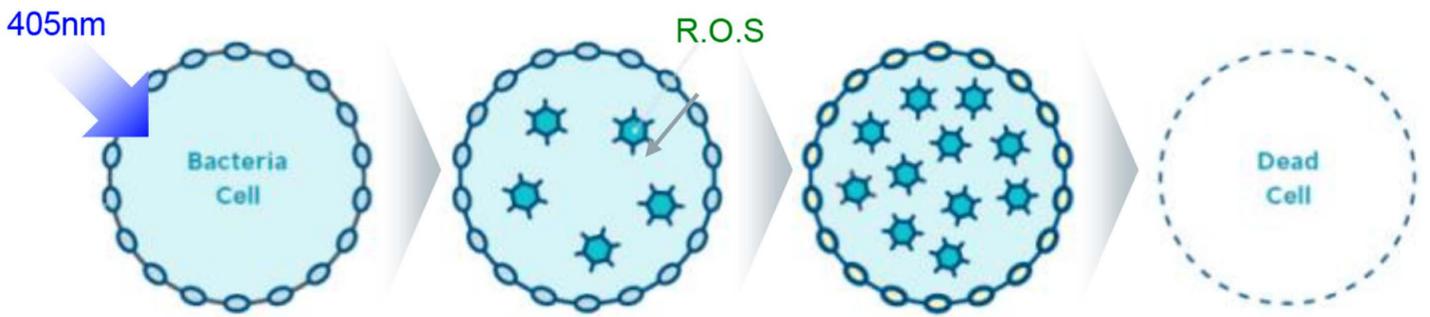


How does 405nm UV works

Kill Bacteria Human Friendly

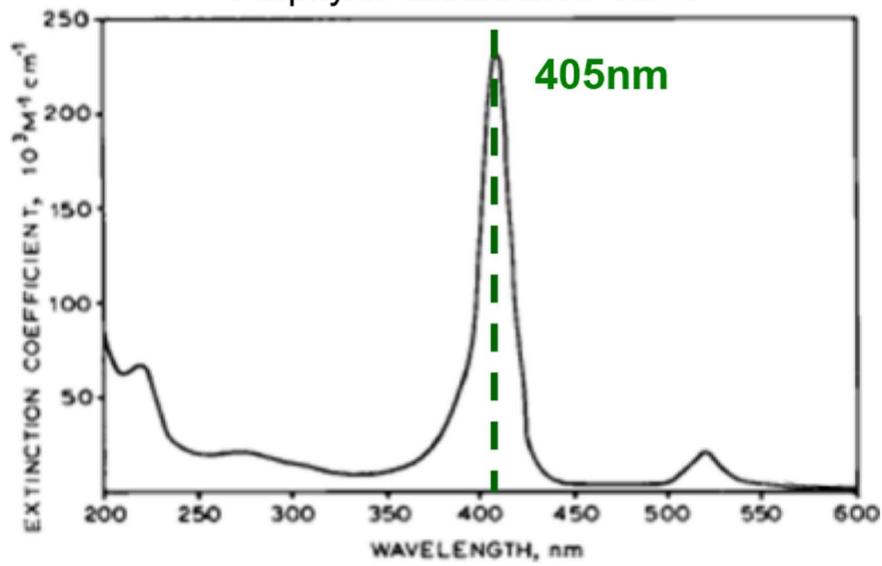
Exposure to 405nm reacts with porphyrin excitation inside the bacteria.

Bacteria cell is destroyed by Reactive Oxygen Species(R.O.S)



※Porphyrin: 405nm Reactive material in bacteria

< Porphyrin absorbance curve >

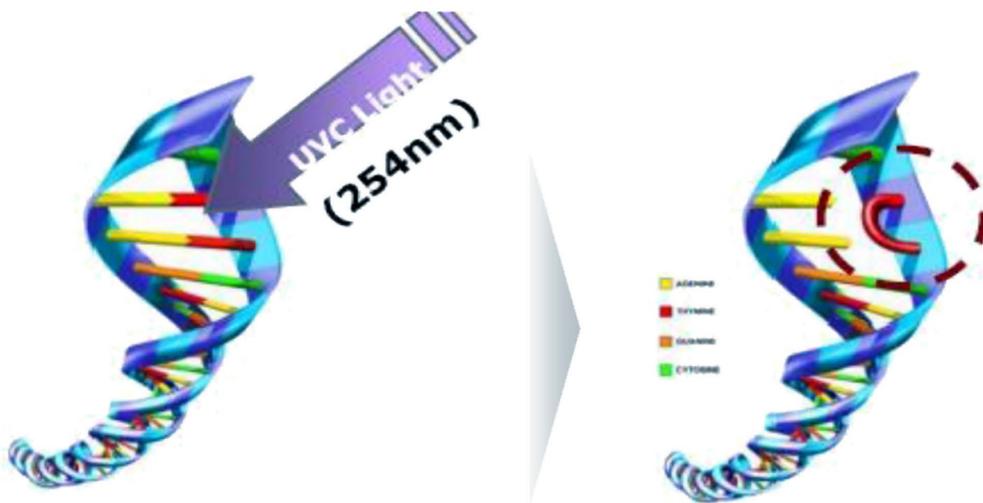


Comparison of different wavelenght UV

UV(100nm-400nm) can cause DNA structural transformation,especially UVC

405nm wavelenght lightis harmless to human body,

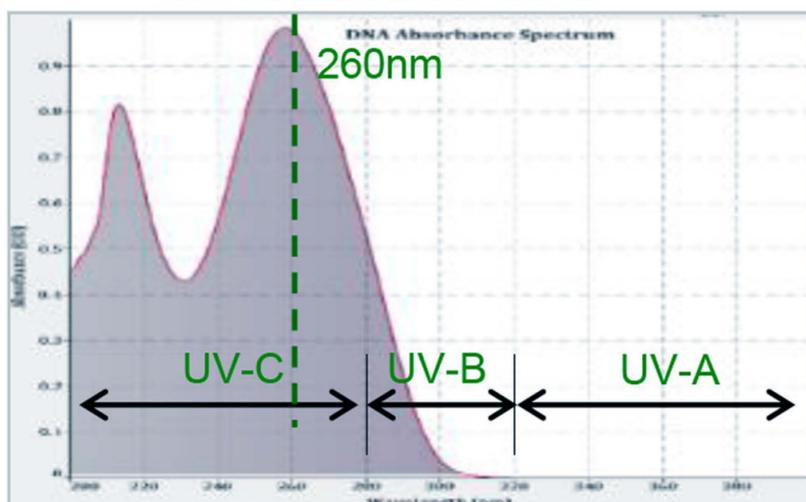
Division	UV-C	UV-B	UV-A	405nm
Porphyrin reaction decomposition	X	X	X	O
Characteristic	Harmful to human body			Harmless to human body



DNA structural transformation

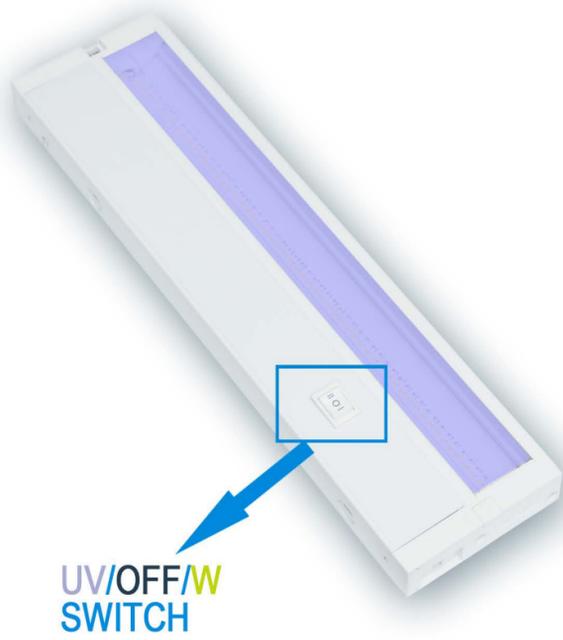
Proliferation blocking

< DNA absorbance curve >

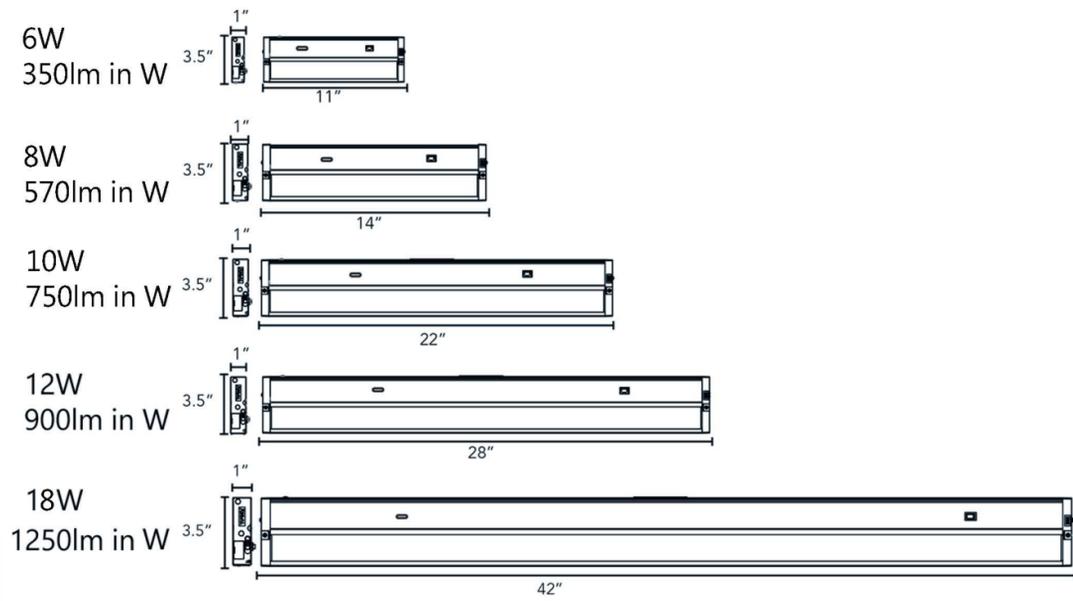


LED UV Under Cabinet Light

Picture



Dimension



Specification

Model Number	Watts(W)	Lumens(lm)	CCT(K)	Beam Angle	Size	Voltage	Ra	Power Factor	Dim
UC8-**-**-UV	4	220	3000-5000/UV	110°	8 inch	120V	90	0.9	yes
UC11-**-**-UV	6	350	3000-5000/UV	110°	11 inch	120V	90	0.9	yes
UC14-**-**-UV	8	500	3000-5000/UV	110°	14 inch	120V	90	0.9	yes
UC22-**-**-UV	10	650	3000-5000/UV	110°	22 inch	120V	90	0.9	yes
UC28-**-**-UV	12	750	3000-5000/UV	110°	28 inch	120V	90	0.9	yes
UC42-**-**-UV	18	1250	3000-5000/UV	110°	42 inch	120V	90	0.9	yes

Dimmer Compatibility

LUTRON

MACL-153M, LGCL-153PLH, TAL06P-C1-K-L,
TGCL-153PH, AYCL-153P, DVCL-153P, DVSCCL-153P,
SCL-153P, MSCL-OP153M, CTCL-153P, TTCL-100,
SELV-300P, DVELV-300P, DV-600PR-LA, DV-600PR-BL,
DV-600PR-WH, S-2-LH, CT-600PR-WH, DVW-603-PGHW, H,
CT-600PR-IV, S-600PR-LA, MA-T51H-WH Cooper:
ASPIRE-9573, DEVINE-DLC03P, SKYE-SLC03P, SAL06P,
AAL06-C1-K-L, DAL06P-C1-K-L Leviton: 6631, 6633

Spectrum

