



Indigo-Clean[®]

PINNACLE
ARCHITECTURAL LIGHTING[®]
A brand of **legrand**



Many every day environments can be unintentional breeding grounds for harmful bacteria, including Staph, such as MRSA: healthcare, classrooms, offices, conference facilities, rehabilitation centers, and more. In these types of facilities, extreme cleaning practices, often at great cost, are put into place to help prevent contamination.

Indigo-Clean is laboratory-tested* and integrated into luminaires that are built to Pinnacle's strict standards. We are fortunate to partner with Kenall Lighting, who holds the exclusive patent for this breakthrough technology. As such, we have a wealth of clinical knowledge about how facilities can benefit from its use. If you've been considering Indigo-Clean, contact Pinnacle Architectural Lighting today about implementing this exclusive disinfecting option into your specific environment.



*Lab data available upon request.

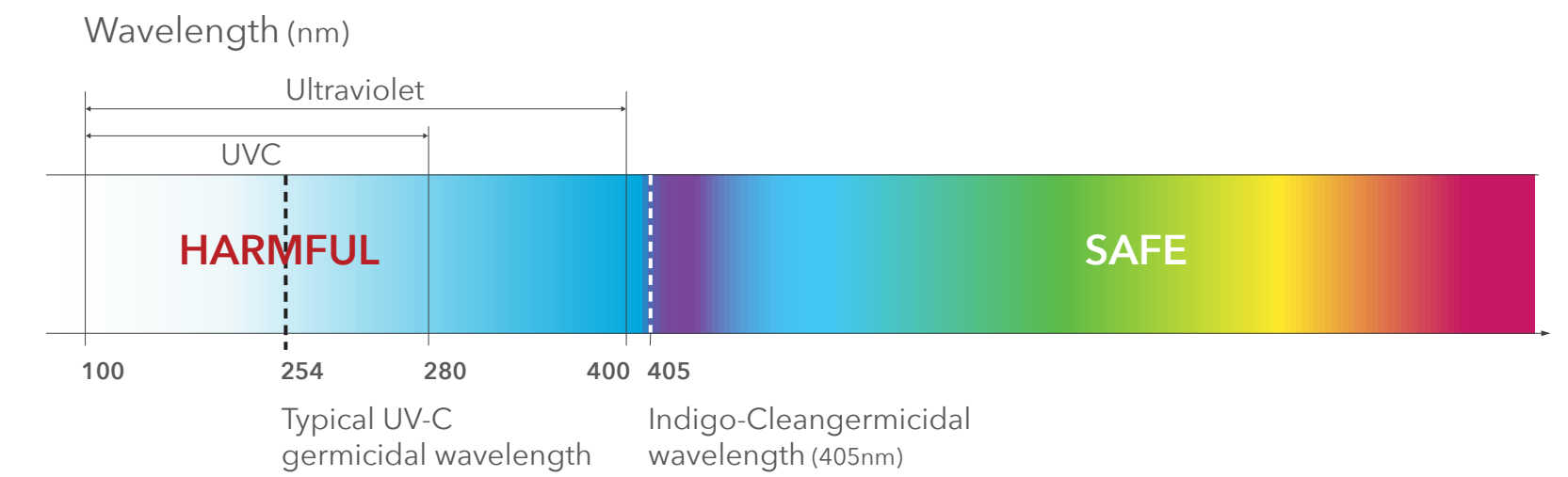
HOW DOES INDIGO-CLEAN WORK?

Luminaires using Indigo-Clean® combine white, ambient light with 405nm Indigo light to provide continuous visible light disinfection whenever the light is on.

- The 405nm light targets bacteria and produces intracellular Reactive Oxygen Species (ROS).
- Similar to bleach, these ROS kill the bacteria and prevent it from re-populating the space.
- The 405nm emitted from Indigo-Clean technology reflects off of walls and surfaces.

*per independent lab report #SGS-09S17036476

Visible light spectrum showing the active element in Indigo-Clean



PINNACLE ARCHITECTURAL LIGHTING USING INDIGO-CLEAN TECHNOLOGY

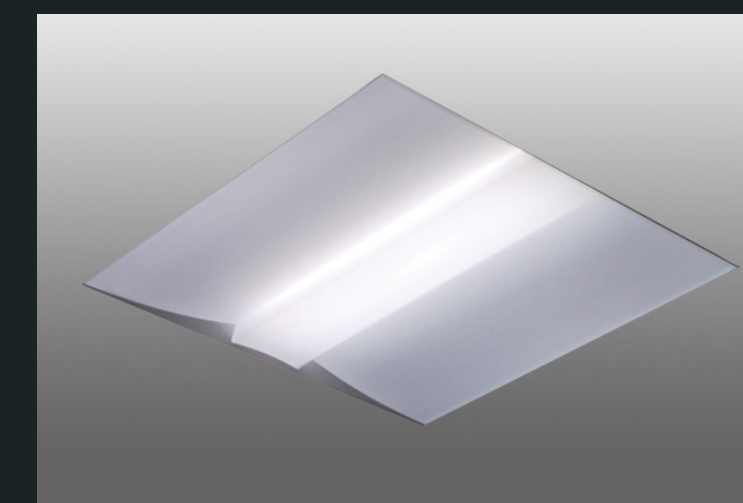
- Provides white light disinfection when the light is on.
- Kills harmful bacteria, including staph*, such as MRSA**, per independent lab testing.
- Unlike UV disinfection devices, light is safe for occupants and requires no special technician or training.
- Provides a cleaner, safer environment, even in areas normal cleaning doesn't reach.

OTHER PATHOGENS CONTROLLED**:

**Antimicrobial Activity of a Continuous Visible Light Disinfection System by Rutala, et. al, ID Week 2016

- Clostridium difficile (C. diff)
- Vancomycin-resistant enterococci (VRE)
- Acinetobacter baumannii

WHICH PRODUCTS ARE AVAILABLE WITH INDIGO-CLEAN?



LUCEN: 1x4, 2x2, 2x4



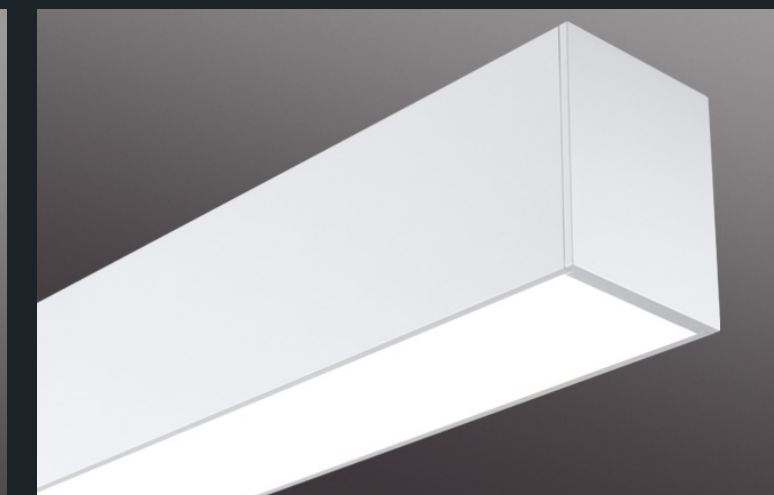
ADEO: 1x4, 2x2, 2x4



EDGE 2: EV2D, EX2D, EX2I, EX2DI



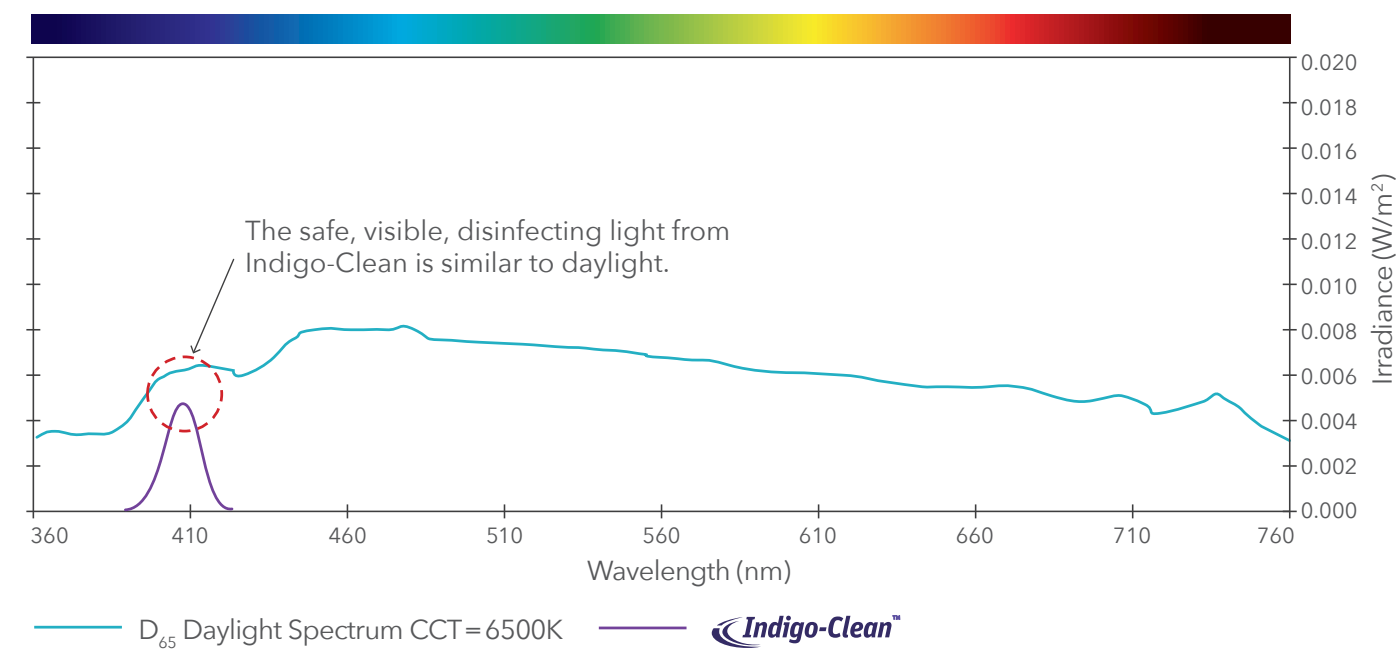
EDGE 3: EV3D, EX3D, EX3I, EX3DI



EDGE 4: EV4D, EX4D, EX4I, EX4DI

SAFETY INFORMATION

Comparison of Indigo-Clean with Daylight



SAFETY TESTING

Indigo-Clean technology has been evaluated against existing visible light safety standards.

Standard	Testing Method	Results
IEC 62471/62778 ^{1,2}	Independent 3rd Party Laboratory	PASS (exempt)
ACGIH ³	Self-Assessment	PASS
ICNIRP ^{4,5}	Self-Assessment	PASS

1: International Electrotechnical Commission – Photobiological safety of lamps and lamp systems, 2006
 2: International Electrotechnical Commission – Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires, 2014
 3: American Conference of Governmental Industrial Hygienists – Threshold Limit Values (TLVs) & Biological Exposure Indices Signature Publications, Cincinnati, 2007
 4: International Commission on Non-Ionizing Radiation Protection – Guidelines on limits of exposure to optical radiation from 0.38 to 3.9 mm. Health Physics 73; 539-555; 1997
 5: International Commission on Non-Ionizing Radiation Protection – Guidelines on limits of exposure to ultraviolet radiation of wavelengths between 180 nm and 400 nm (incoherent radiation) Health Physics 87, 171-186; 2004





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Specifications and dimensions subject to change without notice. Specification sheets and brochures that appear on pinnacle-ltg.com are the most recent version and supersede all other previously printed or electronic versions.

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