# elliptipar®
## continuous linear

**G417** integral  **G514** remote  **G516** remote  **G518** remote

## UV-C Germicidal Disinfection
### *offered with or without lighting*

G417

G514

G516  G518

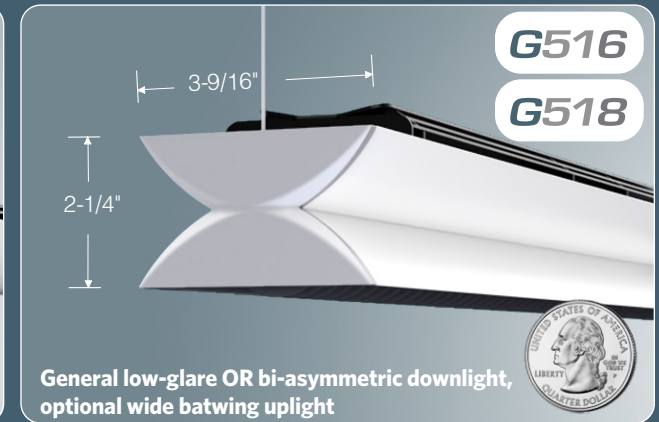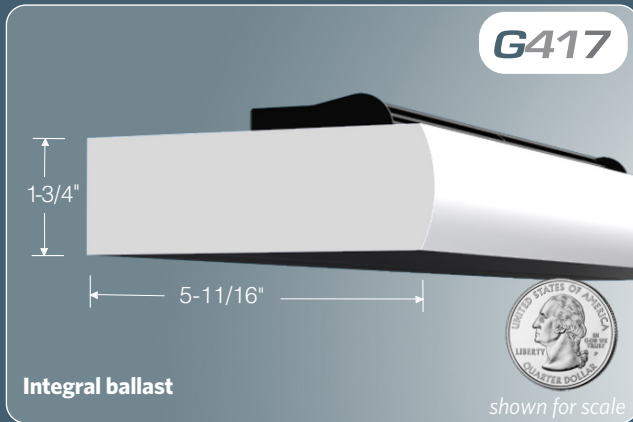C **ETL** US
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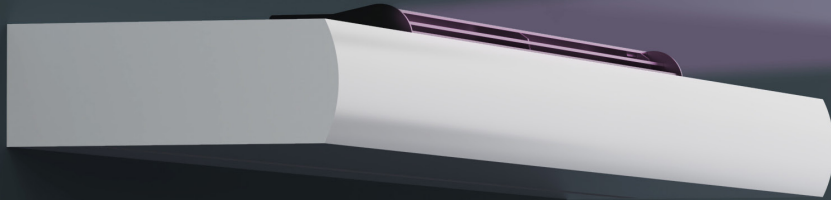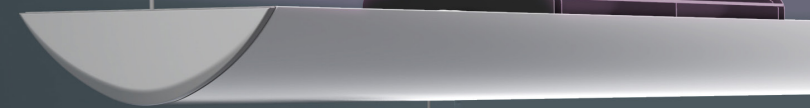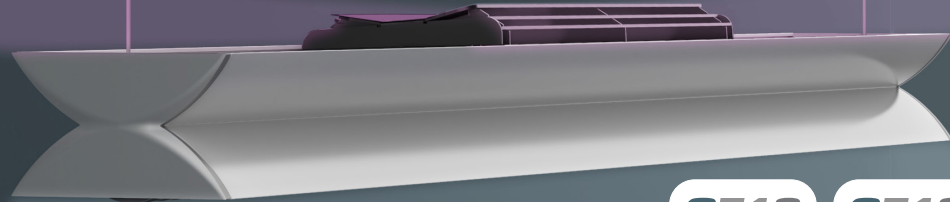
ETL Listed to UL1598,
CSA C22.2#250.0, UL8802

shown for scale

# Disinfect the Air -Safely-
## *While You're There*

elliptipar® tambient® electriX® **MEYER**

thelightingquotient.com

# elliptipar®

## G417

1-3/4"

5-11/16"

**Integral ballast**

*shown for scale*

## G514

3-9/16"

1-1/4"

**Optional wide batwing uplight**

*shown for scale*

## G516 / G518

3-9/16"

2-1/4"

**General low-glare OR bi-asymmetric downlight, optional wide batwing uplight**

- Rapidly disinfects circulating indoor air
- Separate control of UV-C and visible light output
- Multiple dimming protocols

- Precision louver system
- Direct, indirect, and direct/indirect LED lighting options
- Universal voltage 120-277V or 347V

- 254nm Low Pressure Mercury
- All aluminum extruded housing and die-cast end plates

## Styles and performance

G417    G514    G516    G518    G514 with uplight    G516 with uplight    G518 with uplight

UV-C disinfection
White light

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| Configuration | Length | Styles | Downlight (G516 and G518 only) | Optional Uplight |
|---|---|---|---|---|
| | 2' | G417, G514 | | |
| | 3' | G417 | | |
| | 4' | G417 | | |
| | 3' | G514, G516, G518 | 3' | |
| | 4' | G514, G516, G518 | 4' | |
| | 5' | G514, G516 | 5' | |
| | 4' | G514, G516, G518 | 4' | 2' |
| | 5' | G514, G516, G518 | 5' | 3' |
| | 6' | G514, G516, G518 | 6' | 4' |
| | 6' | G514, G516, G518 | 6' | 3' |
| | 8' | G514, G516, G518 | 8' | 4' |

**Upper Air Disinfection Module**  **Optional Uplight**
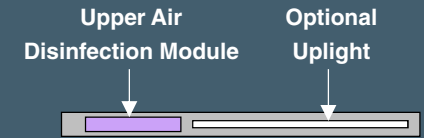
**Note:** Pendant units with two disinfection modules cannot be contiguously mounted. Consult factory for configurations and lengths not shown.

**UV-C Output:** 275mm peak wavelength
Style G417, 177 mW/module
Style G51x, 265 mW/module

**Uplight\*:** 175ma, 459 lm/ft
350ma, 899 lm/ft
700ma, 1743 lm/ft

**Downlight\*:** 175ma, 320 lm/ft
350ma, 628 lm/ft
700ma, 1216 lm/ft

*Delivered lumens based on 3500K/80CRI LEDs

Ceiling

**G514** germicidal   **G514** germicidal

¢ disinfection module
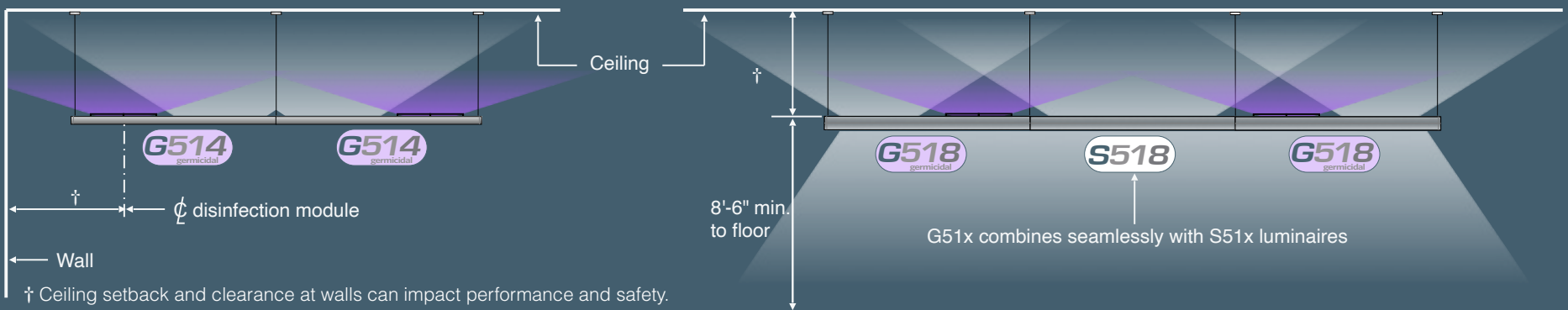
Wall

† Ceiling setback and clearance at walls can impact performance and safety.
Contact **applications@thelightingquotient.com** for design assistance.

8'-6" min. to floor

**G518** germicidal   **S518**   **G518** germicidal

G51x combines seamlessly with S51x luminaires

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## Safely disinfect air in occupied spaces

**elliptipar® introduces G417 and G51x,** safely using ultraviolet (UV) "light" overhead to kill or inactivate airborne microbes and viruses.

Upper-room air disinfection reduces the transmission of disease. Upper-room air disinfection is essential for suppressing pathogen transmission quickly; far surpassing HVAC-based disinfection.[1]

**In fact, upper-room air disinfection in combination with natural and mechanical air mixing can reduce the transmission of disease between room occupants by as much as 80%.[2] This is equivalent to a ventilation system that replaces indoor air with outside air 24 times every hour.**

Standard ventilation rates and natural convection in occupied rooms is generally sufficient to deactivate infectious aerosols expelled at body temperature.[3]

## Proven UV-C technology

The **elliptipar® G417 and G51x** air disinfection solutions utilize UV-C technology, which is proven to deactivate viruses in addition to killing microbes such as bacteria and fungi. Healthier interior environments are created without introducing any harmful chemicals into the air.

1. Nardell EA. Air Disinfection for Airborne Infection Control with a Focus on COVID-19: Why Germicidal UV is Essential, Photochemistry and Photobiology, 2021 Mar 23

2. Mphahlele M. et al. Institutional Tuberculosis Transmission: Controlled Trial of Upper Room Ultraviolet Air Disinfection, American Journal of Respiratory and Critical Care Medicine, Volume 192 (2015), pp. 477-484

3. McDevitt JJ. et al. Inactivation of Poxviruses by Upper-Room UVC Light in a Simulated Hospital Room Environment, PLoS ONE (2008)

## Lighting + disinfection

The diminutive scale and style of the **elliptipar® G417 and G51x** blend with any interior design. Applications that integrate with **elliptipar®**'s popular **S417 and S51x** luminaires produce upper-room air disinfection and a high-performance interior lighting solution.
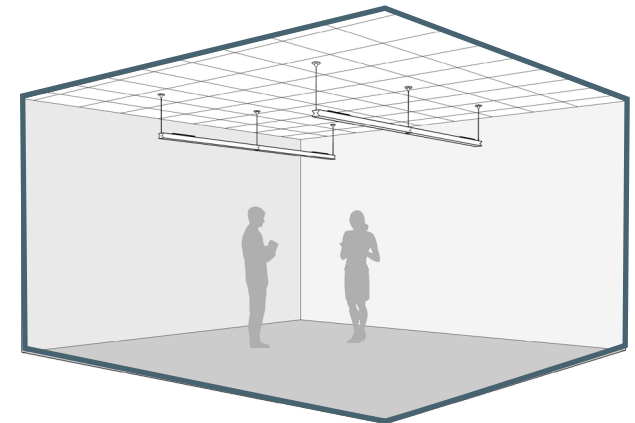
## Design guidance

The **elliptipar® G417 and G51x** products install suspended at 8'-6" or mounted to walls at 8'-9" above finished floor (AFF). The proprietary louver system directs UV-C emissions safely for air disinfection. These are suitable for rooms with ceilings at or above 10 feet.

Provide one suspended **G51x** module or one 3-ft **G417** wall unit for every 475-725 cubic feet of room volume, and position them for maximum uniformity and coverage. 2-ft **G417** wall units treat 240-360 cubic feet of room volume.

**Contact applications@thelightingquotient.com for additional information and design guidance.**

**See Right:**

Typical **elliptipar®** solutions for simple room applications.
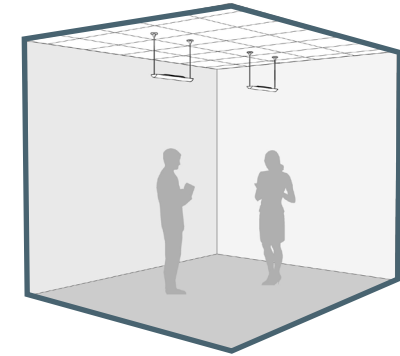


| Area | 10' x 12' |
|---|---|
| Ceiling height | 10' |
| Volume | 1,200 ft$^3$ (34 m$^3$) |
| UV-C | .044 mW/ft$^3$ (15.6 mW/m$^3$) |



| Area | 16' x 18' |
|---|---|
| Ceiling height | 10' |
| Volume | 2,880 ft$^3$ (81.6 m$^3$) |
| UV-C | .037 mW/ft$^3$ (13.0 mW/m$^3$) |

certified WBENC WOMEN'S BUSINESS ENTERPRISE · BUY AMERICAN ACT COMPLIANT · UNION MADE · CARB PHASE 2 COMPLIANT · ETL LISTED US

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