

# Duo 222 Downlight 60x60

222 nm | Programmable | Flicker-free RGB light

## General product specifications

Dimensions	595 x 595 x 82 mm (23.43 x 23.43 x 3.23 in). Adjustable frame. Custom dimensions upon request.
Weight	8 kg (17.6 lbs)
Input voltage	80–264 V AC 50/60 Hz
Max power consumption	60/80/100 W
Power/data lead	5-pin push in
Operating temperature	0° to + 40° C (32° to + 104° F)
Ambient humidity	5–90% RH Non condensing
Materials	Aluminium, tempered glass, quartz glass <sup>1</sup>
IP class	IP54/65

## Far-UVC light source specifications

Light source	Krypton Chloride Excimer Lamp
Wavelength	222 nm
Output	115 mW (Typical)
Beam angle	60°
Mode (programmable)	Continuous / Duty cycle
Lifetime	17,500 hours (ON time)

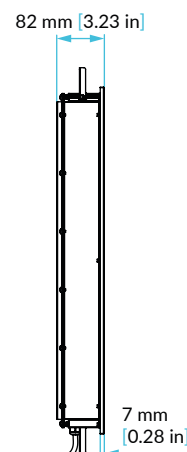
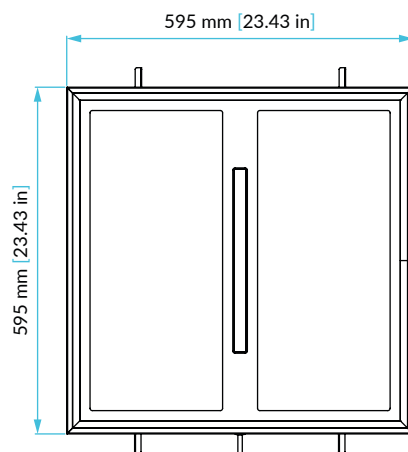
## LED light specifications

Light source	LED, flicker-free
Output	5,500 Lm / 9,300 Lm / 11,800 Lm
Color temperature	4,000 K
Beam angle	120°
Color Rendering Index (CRI)	>90
Efficiency	138 Lm/W
Lumen maintenance (L70)	50,000 hours

1. Chemically-inert, non-porous, transparent quartz glass with high-temperature resistance.

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Gallery:



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In compliance with:



International Standard

RoHS Directive 2011/65/EU and amendments	Directive of the European Parliament and of the council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.
LVD 2014/35/EU	Directive of the European Parliament and of the council of 26 February 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limit.
EMC Directive 2014/30/EU	Directive of the European Parliament and of the council of 26 February 2014 on the harmonization of the laws of the Member States relating to electromagnetic compatibility.
RoHS	EN 50581:2012 Technical documentation for the assessment of electrical and electronic product with respect to the restriction of hazardous substances.
LVD	EN 60335-2-65:2003 + A1:2008 + A11:20012 Household and similar electrical appliances - Safety- Part 2-65: Particular requirements for air-cleaning appliances. EN 60335-1:2012 + A11:2014 + A13:2017 Household and similar electrical appliances - Safety- Part 1: General requirements.
EMC	EN 62233:2008 Measurement methods for electromagnetic fields of household appliances and similar apparatus about human exposure. EN61000-3-2:2014 Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current: 16 A per phase). EN61000-3-3:2013 Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low voltage supply systems, for equipment with rated current: 16 A per phase and not subjected to conditional connection. EN 55014-1:2017 Electromagnetic compatibility- Requirements for household appliances, electric tools, and similar apparatus - Part 1: Emission. EN 55014-2:2015 Electromagnetic compatibility - Requirements for household appliances, electric tools, and similar apparatus - part 2: Immunity - Product family standard.
ISO 15858	UV-C Devices – Safety information – permissible human exposure.
IEC 62471	Photobiological safety of lamps and lamp systems.
IEC PAS 63313 ED1	Position statement on germicidal UV-C irradiation - UV-C safety guidelines (see Global Lighting Association).

International Guidelines

ACGIH® (American Conference of Governmental Industrial Hygienists)	2021 and 2022 TLV (Threshold Limit Values) & BEI (Biological Exposure Indices) for chemical substances and physical agents.
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