Applications

- Linear irradiation

Features

- Compact
- Lightweight
- Air-cooled
- High power

UV-LED light source

LC-L5G

Datasheet

Selection Guide

Series	Irradiation area	Wavelength (nm)		UV irradiance (W/cm2)
GC-113	113 x 8	365	✓	7.5
		385	✓	10
		395	✓	10
		405	-	-
GC-77 GC-77S	77 x 5	365	✓	2.5
		385	✓	2.5
		395	✓	2.5
		405	✓	2.5

Light output stability	±10 %/h
LED design life	20 000 h
Input voltage (DC)	48 V
Cooling method	Forced air cooling by fan
Operating temperature range	+5 °C to +40 °C
Storage temperature range	-10 °C to +60 °C
Operation humidity range	20 % to 80 % (no condensation)
Storage humidity range	Below 80 % (no condensation)
External control	Irradiation control, light intensity adjustment, Irradiation signal, various error signals

GC-113

The GC-113 supports operation of multiple linked units to make it so easy to adapt different production processes. The GC-113 helps suppress equipment investment cost to a minimum since there is no longer any need to switch over or replace production equipment when changing the production lines.

		L13343-1604-033	L13343-2804-033	L13343-3804-033
Irradiation area *1		113 × 8 mm		
UV irradiance *2	**[at distance of 0 mm]**	7.5 W/cm²	10 W/cm²	10 W/cm²
	[at distance of 2 mm]	6 W/cm²	8 W/cm²	8 W/cm²
Power consumption (Max.)		260 W		
Dimensions (W×H×D)		113 mm × 128 mm × 38 mm		
Weight		Approx. 500 g		
Connectable operation		Possible		
Multi-unit operation (from one power supply)		Possible		
Recommended power supply *3	**Output voltage (DC)**	48 V		
	Output power (Min.)	260 W		

**1:Area irradiated at a distance of 2 mm*
**2:Maximum UV irradiance within the irradiation area*
**3:When using commercially available power supplies, make sure that they have the recommended specifications.*

GC-77

The GC-77S is capable of irradiating light perpendicular to its installation surface. This means there is no need to provide vertical (height-wise) installation space, so the GC-77S can now be installed in locations where it was previously tough to mount. The GC-77S also supports operation of multiple linked units to make it so easy to adapt different production processes.

Control		L13343-1203-003	L13343-2203-004	L13343-3203-004	L13343-4203-004
Irradiation area *1		77 × 5 mm			
UV irradiance *2	[at distance of 0 mm]	2.5 W/cm²			
	[at distance of 2 mm]	2 W/cm²			
Power consumption (Max.)		45 W	40 W	40 W	40 W
Dimensions (W×H×D)		77 mm × 140 mm × 24 mm			
Weight		Approx. 250 g			
Connectable operation		Possible			
Multi-unit operation (from one power supply)		Possible			
Recommended power supply *3	Output voltage (DC)	48 V			
	Output power (Min.)	45 W	40 W	40 W	40 W

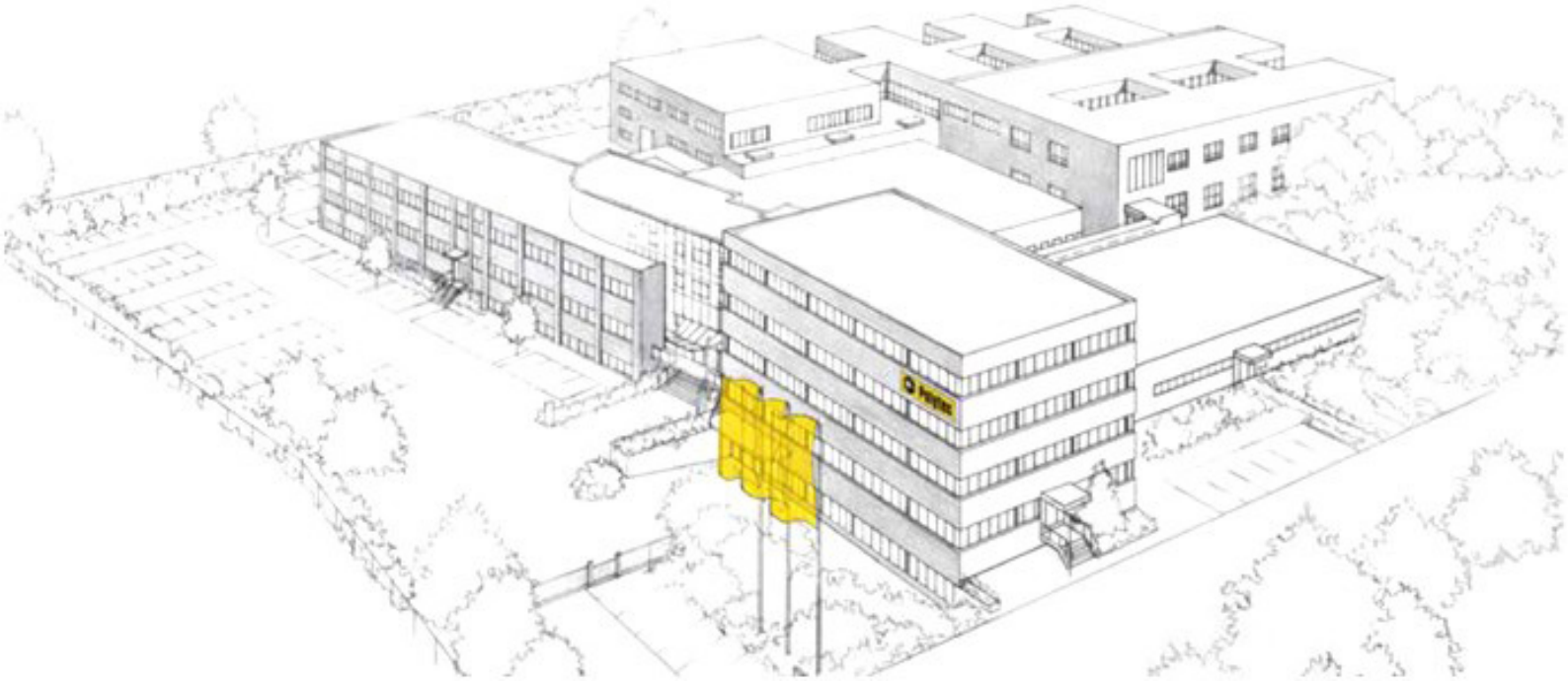
**1:Area irradiated at a distance of 2 mm*
**2:Maximum UV irradiance within the irradiation area*
**3:When using commercially available power supplies, make sure that they have the recommended specifications.*

GC-77S

The GC-77S is capable of irradiating light perpendicular to its installation surface. This means there is no need to provide vertical (height-wise) installation space, so the GC-77S can now be installed in locations where it was previously tough to mount. The GC-77S also supports operation of multiple linked units to make it so easy to adapt different production processes.

Control		L13343-1203-023	L13343-2203-024	L13343-3203-024	L13343-4203-024
Irradiation area *1		77 × 5 mm			
UV irradiance *2	[at distance of 0 mm]	2.5 W/cm²			
	[at distance of 2 mm]	2 W/cm²			
Power consumption (Max.)		45 W	40 W	40 W	40 W
Dimensions (W×H×D)		77 mm × 24 mm × 153.5 mm			
Weight		Approx. 285 g			
Connectable operation		Possible			
Multi-unit operation (from one power supply)		Possible			
Recommended power supply *3	Output voltage (DC)	48 V			
	Output power (Min.)	45 W	40 W	40 W	40 W

**1:Area irradiated at a distance of 2 mm*
**2:Maximum UV irradiance within the irradiation area*
**3:When using commercially available power supplies, make sure that they have the recommended specifications.*



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