

Aspherical Glass Lenses

EYLG□□□□□□□□



Lightweight, high-performance aspherical glass lenses for various optical electronics applications.

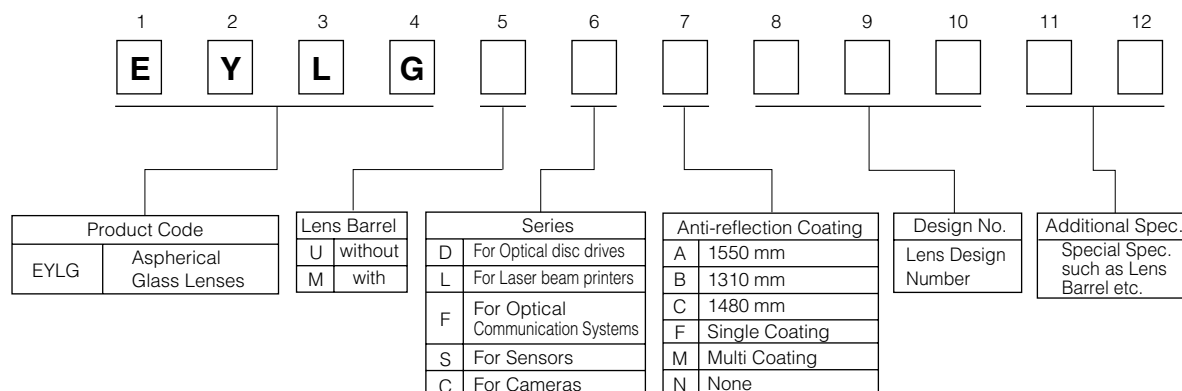
■ Features

- "One Shot" precision manufacturing process for an extremely compact, lightweight and high-performance lens
- High-quality processing and measurement techniques for superior performance
- Short focal length for compact size
- High numerical aperture achieved via aspherical design
- Wide temperature and humidity range for increased reliability and stability
- Various lenses and lens material available for many different applications

■ Recommended Applications

- Pickup lens for optical drive devices
- Collimator lens for laser beam printers
- Coupling lens for optical communication systems
- Image formation lens for sensors
- Imaging device for CCD, CMOS

■ Explanation of Part Numbers



■ Ratings

Item	Ratings
Operating Temperature Range	-30 to +85 °C
Storage Temperature Range	-40 to +100 °C

■ Please contact the factory for packaging methods.

■ Specifications

- For storages, laser beam printers, sensors and other applications

Collimator Lens

Item Part No.	Wave Length (nm)	Numerical Aperture	Focal Length (mm)	Working Distance (mm)	Lens Diameter (mm)	Mass (Weight) (mg)	Abbe Number	Cover Glass (mm)
EYLGUDF055	800	0.39	7.00	5.08	φ6.40	176	64	0.30
EYLGULF110	780	0.20	14.96	12.82	φ6.80	257	64	0.30
EYLGUDM124*	785	0.19	10.74	7.80	φ4.50	84	64	2.25
EYLGUDM129*	650	0.13	14.15	8.90	φ4.30	81	64	5.85
EYLGULM216	780	0.33	10.00	8.60	φ8.00	250	46	0.25
EYLGULF273	780	0.23	12.50	10.63	φ6.40	306	53	0.30
EYLGULF274	780	0.40	6.25	4.60	φ6.40	234	53	0.25
EYLGULF276	780	0.25	8.00	6.34	φ6.40	250	53	0.25
EYLGULF277	820	0.30	9.00	7.43	φ6.40	230	53	0.30
EYLGULF278	780	0.24	14.91	13.24	φ8.20	247	64	0.30
EYLGULF279	780	0.50	4.00	2.36	φ6.40	222	53	0.30
EYLGUDF283*	660	0.11	16.00	12.04	φ4.50	109	64	4.21
EYLGULF316	780	0.27	4.45	3.09	φ4.80	117	64	0.30
EYLGULF322	785	0.14	14.50	12.33	φ4.60	110	64	0.30
EYLGULM323	785	0.16	24.33	22.74	φ9.50	327	64	0.30
EYLGULF340	785	0.39	10.00	8.46	φ9.30	288	64	0.30

* build-to-order manufacturing

Objective Lens

Item Part No.	Wave Length (nm)	Numerical Aperture	Focal Length (mm)	Working Distance (mm)	Lens Diameter (mm)	Mass (Weight) (mg)	Abbe Number	Cover Glass (mm)
EYLG50M073	650	0.60	3.30	1.78	φ5.00	52	64	0.60
EYLGUDM128	650	0.60	2.33	1.27	φ3.80	20	58	0.60
EYLGUDF282	660	0.65	2.31	1.17	φ4.00	25	58	0.60

■ Dimensions in mm (not to scale)

EYLGUDF055	EYLGULF110	EYLGUDM124	EYLGUDM129
EYLGULM216	EYLGULF273	EYLGULF274	EYLGULF276
EYLGULF277	EYLGULF278	EYLGULF279	EYLGUDF283
EYLGULF316	EYLGULF322	EYLGULM323	EYLGULF340
EYLG50M073†	EYLGUDM128†	EYLGUDF282†	† Objective Lens