

## Telecentric LED Lighting

### Model: GTCL Series

#### Features

- Specially developed for backlights which is for the objects inspected by telecentric lens;
- All light from DTCL series light source collected by telecentric lens goes into camera to ensure high SNR;
- More accurate imaging compared with diffusing light resource by decreasing diffuse reflection on edge;
- Develop Telecentricity and DoF for the telecentric lens.

#### Name Rule

GTCL Series Color-Red, Green, Blue, White



Model	Beam Diameter (mm)	Color				Optical Spec. (mm)	Mechanical Spec. (mm)		Compatible Telecentric Lens
		Red 630nm	Green 520nm	Blue 460nm	Write	WD (mm)	Length (mm)	Diameter (mm)(mm)	
GTCL-26-xW-y	26	✓	✓	✓	✓	23-46	124.8	44	DTCMxxx-26
GTCL-36-xW-y	36	✓	✓	✓	✓	36-72	144.9	54	DTCMxxx-36
GTCL-42-xW-y	42	✓	✓	✓	✓	40-80	130.4	62	DTCMxxx-42
GTCL-48-xW-y	48	✓	✓	✓	✓	43-86	143.9	64	DTCMxxx-48
GTCL-56-xW-y	56	✓	✓	✓	✓	46-92	166.4	78	DTCMxxx-56
GTCL-64-xW-y	64	✓	✓	✓	✓	63-126	156.1	84	DTCMxxx-64
GTCL-72-xW-y	72	✓	✓	✓	✓	59-119	198.9	94	DTCMxxx-72
GTCL-80-xW-y	80	✓	✓	✓	✓	76-152	190.0	104	DTCMxxx-80
GTCL-90-xW-y	90	✓	✓	✓	✓	69-139	223.9	120	DTCMxxx-90
GTCL-100-xW-y	100	✓	✓	✓	✓	86-172	248.5	142	DTCMxxx-100
GTCL-120-xW-y	120	✓	✓	✓	✓	93-186	288.8	160	DTCMxxx-120
GTCL-150-xW-y	150	✓	✓	✓	✓	100-200	332.1	188	DTCMxxx-150
GTCL-190-xW-y	190	✓	✓	✓	✓	110-220	420.1	230	DTCMxxx-190
GTCL-240-xW-y	240	✓	✓	✓	✓	135-270	571.2	286	DTCMxxx-240
GTCL-300-xW-y	300	✓	✓	✓	✓	155-310	639.9	376	DTCMxxx-300