Home | Optics | 360° optics | TCCAGE series | TCCAGE4MHR096HP-C

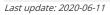
# OPTO ENGINEERING

## TCCAGE4MHR096HP-C

High power bi-telecentric system for 4.3" detectors, C-mount

#### **SPECIFICATIONS**

| Detector type                 |           | 4/3"        |
|-------------------------------|-----------|-------------|
| Image size                    | (mm * mm) | 18.1 x 13.6 |
| Max. object diameter          | (mm)      | 16          |
| Max. object height            | (mm)      | 68          |
| Optical specifications        |           |             |
| Wavelength range              | (nm)      | 450 650     |
| CTF @ 70 lp/mm                | (%)       | > 35        |
| wF/# (1)                      |           | 16          |
| Mechanical specifications     |           |             |
| Width                         | (mm)      | 179         |
| Length                        | (mm)      | 347         |
| Height                        | (mm)      | 480         |
| Mass                          | (g)       | 9292        |
| Mount                         |           | С           |
| Phase adjustment (2)          |           | Yes         |
| Electrical specifications (3) |           |             |
| Ring light                    |           |             |
| LED voltage                   | (V)       | < 30 (typ.) |
| LED current                   | (mA)      | 4000        |
| LED power                     | (W)       | 120         |
| Coaxial light                 |           |             |
| LED voltage                   | (V)       | < 30 (typ.) |
| LED current                   | (mA)      | 10000       |
| LED power                     | (W)       | 300         |
|                               |           |             |
| Cable                         |           | included    |



#### NOTES

- 1. Working distance: distance between the front end of the mechanics and the object. Set this distance within +/- 3% of the nominal value for maximum resolution and minimum distortion.
- 2. F/# = F-number, wF/# = W working F-number, the real F-number of a lens when used as a macro.
- 3. Strobe only, constant current driving, Max Ton = 1 ms, max duty cycle 1%.

### COMPATIBLE PRODUCTS

Despite the efforts made to generate an error-free compatibility list, we always recommend to consult the Opto Engineering® **technical support** department before purchasing a compatible product. Opto Engineering® shall not be liable for any damage or malfunctioning caused by the incorrect selection of a compatible product.



Accessories

Accessories and add-ons to make the most of  $\mbox{\sc Opto}$  Engineering lenses.

| CSCAGE096 | Sample for alignment of TCCAGExx096                      |
|-----------|--|
| SPMI003   | First surface mirror, active area 25x75 mm, mount type 1 |
| SPPS002   | Right angle prism, legs 33.3 mm, H 72 mm, mirror coating |









All product specifications and data are subject to change without notice to improve reliability, functionality, design or other. Photos and pictures are for illustration purposes only.