

LED entire-field ring illumination

● TR Series

www.hikarishop.com

LED low-angle ring illumination

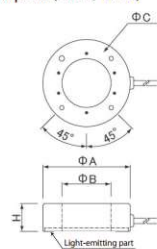
● TRL Series

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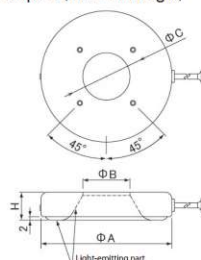


Outer dimensions

Shape A (TR32, TR50)



Shape B (TR75 and larger)



* Product specifications are subject to change without notice.

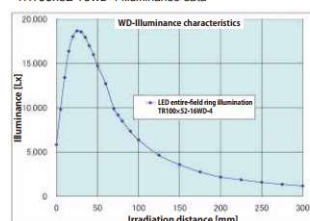
Use and features

- PWM power supply and constant-current power supply with Electronic Calibrate Identify (ECI) function available
- Innovative entire-view field ring illumination provides high brightness at low cost.
- Entire-view field ring illumination uniformly irradiates objects to be measured at any irradiation angle.
- Wide range of applications from low-angle to high-angle illumination with unique illumination structure for uniform irradiation of diffused light
- Different-sized ring illuminator combinations for bright irradiation from multiple angles
- Thin (16 mm) compact illuminator can be installed anywhere.

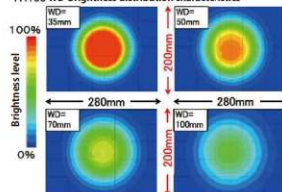
Model	A	B	C	H	Emission color / Maximum rated current / Power consumption Emission color code ●: W white/ ●: R red/ ●: G green/ ●: B blue/ ●: IR850/ ●: IR940			
TR32x10-16#D-4	32	10	20	16	○ / 0.08A / 1.8W	● / 0.08A / 1.8W		
TR50x18-16#D-4	50	18	40	16	○ / 0.15A / 3.6W	● / 0.15A / 3.6W		
TR50x28-16#D-4	50	28	40	16	○ / 0.13A / 3.0W	● / 0.13A / 3.0W		
TR75x27-16#D-4	75	27	43	16	○ / 0.23A / 5.4W	● / 0.23A / 5.4W		
TR100x52-16#D-4	100	52	60	16	○ / 0.30A / 7.2W	● / 0.30A / 7.2W		
TR125x77-16#D-4	125	77	93	16	○ / 0.40A / 9.6W	● / 0.40A / 9.6W		
TR150x102-16#D-4	150	102	118	16	○ / 0.50A / 12.0W	● / 0.50A / 12.0W		
TR175x127-16#D-4	175	127	143	16	○ / 0.60A / 14.4W	● / 0.60A / 14.4W		
TR200x152-16#D-4	200	152	168	16	○ / 0.75A / 18.0W	● / 0.75A / 18.0W		
TR250x202-16#D-4	250	202	218	16	○ / 1.00A / 24.0W	● / 1.00A / 24.0W		
TR300x252-16#D-4	300	252	268	16	○ / 1.15A / 27.6W	● / 1.15A / 27.6W		

● *: Emission color code

TR100x52-16WD-4 illuminance data



TR100 WD-Brightness distribution characteristics

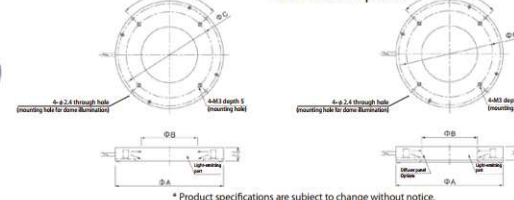


Example image: Business card



Outer dimensions

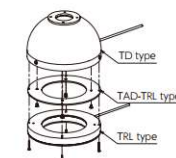
With diffuser panel



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Use and features

- PWM power supply and constant-current power supply with Electronic Calibrate Identify (ECI) function available
- Low-angle ring illumination TRL Series for high brightness, high quality, low cost, and short delivery time.
- Low-angle irradiation emphasizes edges, scratches, and engraved marks on target work.
- TRL Series choice of TRL-8 type (single row LEDs) and TRL-12 type (double-row LEDs)
- Optional diffuser panel
Diffuser panel reduces reflection of LEDs, enabling uniform dark-field illumination

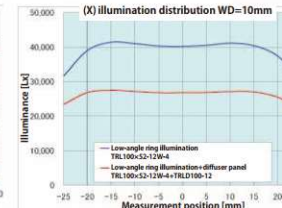
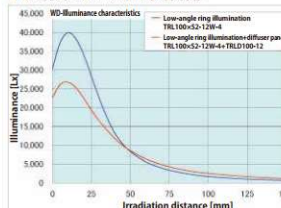


Model	A	B	C	H	Emission color / Maximum rated current / Power consumption Emission color code ●: W white/ ●: R red/ ●: G green/ ●: B blue			
TRL75x27-8#-4	75	27	55	8	○ / 0.08A / 2.0W	● / 0.08A / 2.0W		
TRL100x52-8#-4	100	52	80	8	○ / 0.12A / 2.9W	● / 0.12A / 2.9W		
TRL125x77-8#-4	125	77	105	8	○ / 0.16A / 3.9W	● / 0.16A / 3.9W		
TRL150x102-8#-4	150	102	130	8	○ / 0.20A / 4.8W	● / 0.20A / 4.8W		
TRL175x127-8#-4	175	127	155	8	○ / 0.24A / 5.8W	● / 0.24A / 5.8W		
TRL200x152-8#-4	200	152	180	8	○ / 0.30A / 7.2W	● / 0.30A / 7.2W		

Model	A	B	C	H	Emission color / Maximum rated current / Power consumption Emission color code ●: W white/ ●: R red/ ●: G green/ ●: B blue			
TRL75x27-12#-4	75	27	55	12	○ / 0.16A / 3.9W	● / 0.16A / 3.9W		
TRL100x52-12#-4	100	52	80	12	○ / 0.24A / 5.8W	● / 0.24A / 5.8W		
TRL125x77-12#-4	125	77	105	12	○ / 0.32A / 7.7W	● / 0.32A / 7.7W		
TRL150x102-12#-4	150	102	130	12	○ / 0.40A / 9.6W	● / 0.40A / 9.6W		
TRL175x127-12#-4	175	127	155	12	○ / 0.48A / 11.6W	● / 0.48A / 11.6W		
TRL200x152-12#-4	200	152	180	12	○ / 0.60A / 14.4W	● / 0.60A / 14.4W		

● *: Emission color code

TRL100x52-12W-4 illuminance data



Example image: 500 yen coin

