

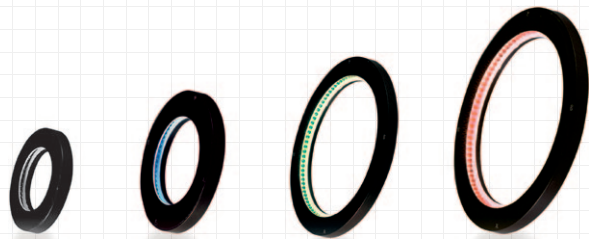
# Horizontal Opposed Ring Light

## IDRA-T series

Highlighting irregular surface profiles via horizontal illumination



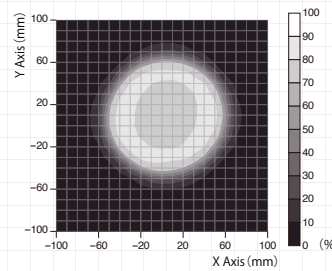
DC 24V Models Available



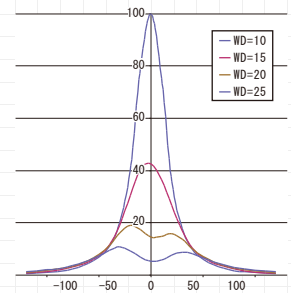
Model	Light Color	Power Consumption (W)	Input Voltage	SAG (*)	Power Supply	Drawing					
IDRA-T78/46□-1	DR	2.4	DC 12V	C6	ILP-30M2 (P.69) IDGB series (P.67) other, overdrive power supply etc.	1					
	DW B G	2.9		FF		2					
IDRA-T84/54□-1	DR	3		C7		3					
	DW B G	2.9		FF		4					
IDRA-T96/60□-1	DR	3.6		C7		5					
	DW B G	3.6		FF		6					
IDRA-T122/92□-1	DR	4.2		C8		7					
	DW B G	4.7		FF		8					
IDRA-T152/114□-1	DR	5.4	CA	—	—						
	DW B G	5.8	FF								
IDRA-T176/140□-1	DR	7.2	CA			—	—				
	DW B G	7.2	FF								
IDRA-T206/170□-1	DR	8.4	CA					—	—		
	DW B G	8.7	FF								
IDRA-T450/400R-1	R	11.6	—							—	—
IDRA-T450/400□-1	DW B G	17.3	—								

□ represents light color (DR=Red, DW=White, B=Blue, G=Green)  
 \*Optional diffusing ring can be mounted.  
 \*Input voltage is DC 12V, but DC 24V models are also available.  
 \*See page 60 for DC 24V models.  
 \*Sizes other than those above are also available.  
 \*The SAG value indicates the maximum voltage setting for SAG power supplies. For details, see page 75.

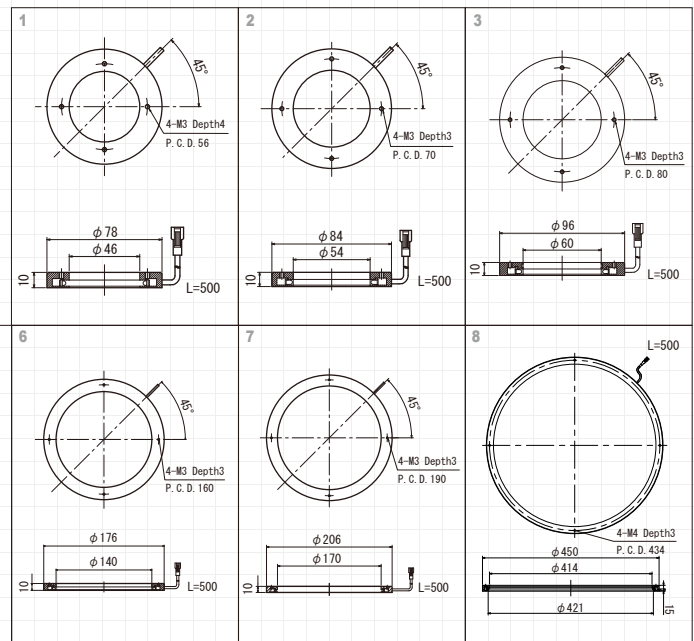
### Luminance Distribution Chart (Reference Values)



Work surface can be illuminated uniformly from a close distance.  
 Measurement model: IDRA-T176/140DW-1  
 WD: 10mm



Variable working distance substantially limits illuminated area.  
 Measurement model: IDRA-T96/60DW-1



**Effect** Stamped characters and surface scratches can be detected without any LED shadow.



IDRA-T78/46B-1



IDRA-T96/60DR-1



Direct Ring Light



IDRA-T122/92DR-1

### LIGHTING STRUCTURE

