

## Direct Ring Illuminations

**MDRL** Series

Direct Ring Illuminations



## Explanation of Model Code

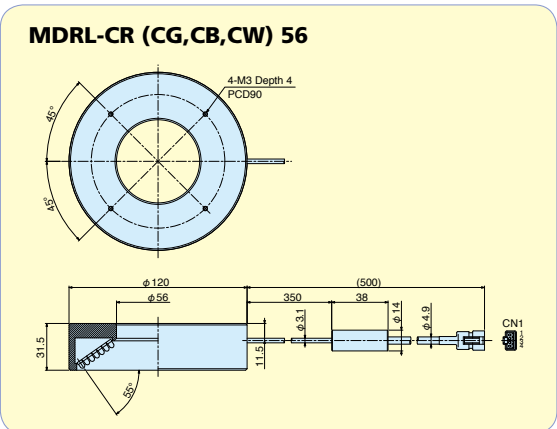
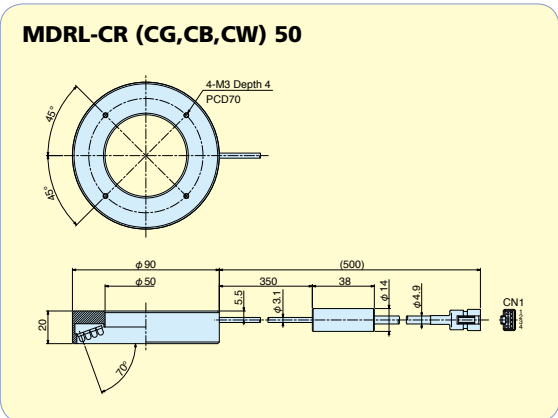
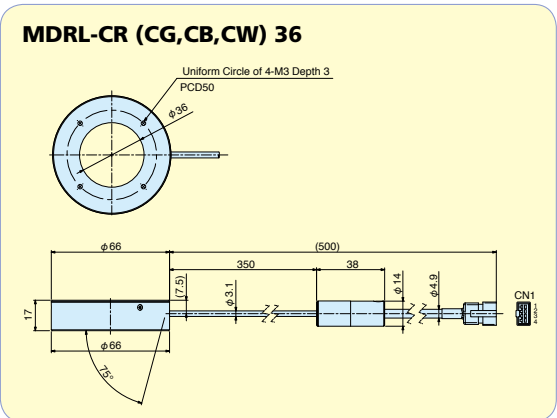
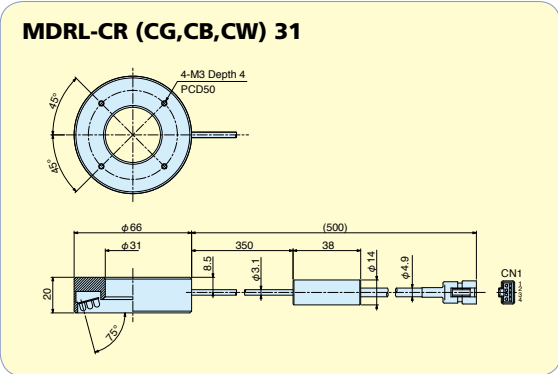
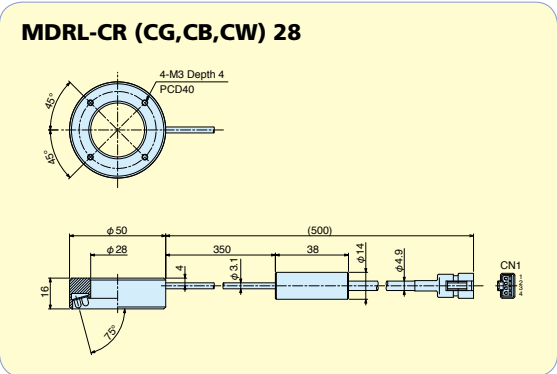
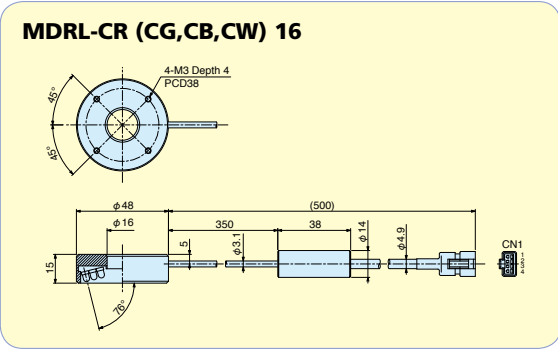
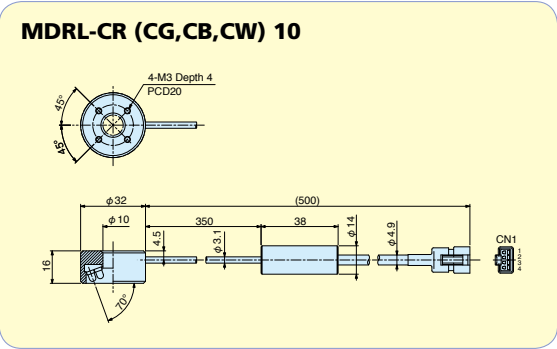
MDRL-C


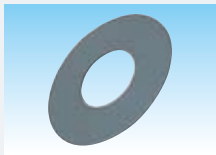





Emitted  
ColorRing Internal  
Diameter**R** Red **B** Blue**G** Green **W** White

- High-luminance LEDs deployed at high density to produce 360-degree shadowless illumination.
- Standard type of LED lighting for a wide range of applications.
- Ability to select the model that matches our lenses.

Model	Emitted Color	Maximum Related Current IFM (A)	Ring Internal Diameter (mm)	Ring External Diameter (mm)	Lighting Angle	Power Supply Weight (g)	Product Code
MDRL-CR10	● Red	0.11	φ 10	φ 32	70°	50	A-2000
★ MDRL-CG10	● Green	0.17	φ 10	φ 32	70°	50	A-2116
MDRL-CB10	● Blue	0.17	φ 10	φ 32	70°	50	A-2002
MDRL-CW10	○ White	0.17	φ 10	φ 32	70°	50	A-2001
MDRL-CR16	● Red	0.24	φ 16	φ 48	76°	65	A-2006
★ MDRL-CG16	● Green	0.37	φ 16	φ 48	76°	65	A-2117
MDRL-CB16	● Blue	0.37	φ 16	φ 48	76°	65	A-2008
MDRL-CW16	○ White	0.37	φ 16	φ 48	76°	65	A-2007
MDRL-CR28	● Red	0.20	φ 28	φ 50	75°	65	A-2168
★ MDRL-CG28	● Green	0.31	φ 28	φ 50	75°	65	A-2181
MDRL-CB28	● Blue	0.31	φ 28	φ 50	75°	65	A-2167
MDRL-CW28	○ White	0.31	φ 28	φ 50	75°	65	A-2169
MDRL-CR31	● Red	0.36	φ 31	φ 66	75°	130	A-2009
★ MDRL-CG31	● Green	0.55	φ 31	φ 66	75°	130	A-2118
MDRL-CB31	● Blue	0.55	φ 31	φ 66	75°	130	A-2011
MDRL-CW31	○ White	0.55	φ 31	φ 66	75°	130	A-2010
MDRL-CR36	● Red	0.36	φ 36	φ 66	75°	120	A-2281
★ MDRL-CG36	● Green	0.55	φ 36	φ 66	75°	120	A-2282
MDRL-CB36	● Blue	0.55	φ 36	φ 66	75°	120	A-2283
MDRL-CW36	○ White	0.55	φ 36	φ 66	75°	120	A-2284
MDRL-CR50	● Red	0.64	φ 50	φ 90	70°	180	A-2012
★ MDRL-CG50	● Green	0.96	φ 50	φ 90	70°	180	A-2119
MDRL-CB50	● Blue	0.96	φ 50	φ 90	70°	180	A-2014
MDRL-CW50	○ White	0.96	φ 50	φ 90	70°	180	A-2013
MDRL-CR56	● Red	1.12	φ 56	φ 120	55°	520	A-2003
★ MDRL-CG56	● Green	1.55	φ 56	φ 120	55°	520	A-2120
MDRL-CB56	● Blue	1.55	φ 56	φ 120	55°	520	A-2005
MDRL-CW56	○ White	1.55	φ 56	φ 120	55°	520	A-2004

★Made-to-order products.



OPTION	Direct Ring Options		Diffusion and polarizing plates are available to prevent the vignetting of images. Adapters for attachment to Moritex Lenses are also available.
		<p>■ Example images of boards with options</p>   	
			<p>[j1] With no option      [j2] With diffusion board      [j3] With diffusion board and polarizing filter</p> <p>In [j1], the vignetting is significant. Attaching a diffusion plate suppressed the vignetting a little [j2] and attaching an additional polarizing plate suppressed it completely [j3].</p>

