LED Lighting for Cabinetry
Multi-Lighting Type

■**Features:** This structure offers the suitable contrast for image processing by only switching the distance between the light and the object as it changes the illumination angle.

■**Multi-Lighting Type** **MMD**

Cable (2m)
P.C.D.
4-M.
D
d
(T)

M Material
Polyacetal, Acrylic (Emission Side)
Aluminum (Top Plate)

S Surface Treatment
Black Anodize (Top Plate)

RoHS10
End of the cable has a connector for the power controller.
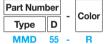
Part Number		Color	d	P.C.D.	M	(T)	Unit Price
Type	D						1 ~ 20 pc(s).
MMD	42	R (Red)	16	30	3	(15)	
		W (White)					
		B (Blue)					
		N (Infrared Ray)					
	55	R (Red)	32	44	M3	(15)	
		W (White)					
		B (Blue)					
		N (Infrared Ray)					
	80	R (Red)	46	63	M3	(18)	
		W (White)					
		B (Blue)					
		N (Infrared Ray)					
	100	R (Red)	60	80	M4	(18)	
		W (White)					
		B (Blue)					
		N (Infrared Ray)					
	120	R (Red)	80	100	M4	(20)	
		W (White)					
		B (Blue)					
		N (Infrared Ray)					
	150	R (Red)	90	120	M4	(23)	
		W (White)					
		B (Blue)					
		N (Infrared Ray)					

For orders larger than indicated quantity, please check with WOS.

Ordering Example

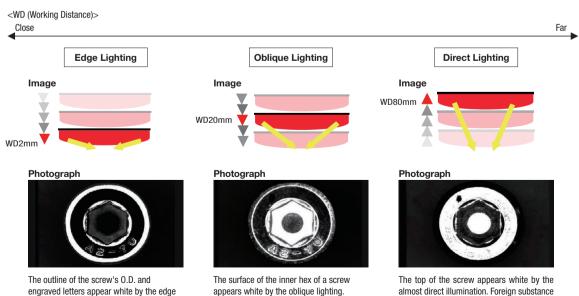Part Number: Type | D - Color

MMD 55 - R

Color R : RED, W : White, B : Blue, N : Infrared
Use LEDCNR1/LEDCNRF2 on **P.1060** for the power controller.
Do not use third-party controllers.

■**Features of LED Multi-Lighting**
1. **Wide Illumination Range** : The illumination angle can be changed optionally by changing the WD (Working Distance).
2. **Good Uniformity** : It is suitable for highly reflective objects as diffused light is used, and the light disperses uniformly on the objects causing less reflections.
3. **Excellent Dust Resistance** : Dust can be easily wiped off since it is covered. It is most suitable for the clean rooms of semiconductor factory or food factory.

■**Variation of the Photograph Based on WD (Working Distance)**

<WD (Working Distance)>
Close ———————————————————— Far

Edge Lighting **Oblique Lighting** **Direct Lighting**

Image Image Image
WD2mm WD20mm WD80mm

Photograph

The outline of the screw's O.D. and engraved letters appear white by the edge lighting.

The surface of the inner hex of a screw appears white by the oblique lighting.

The top of the screw appears white by the almost direct illumination. Foreign substance stands out.