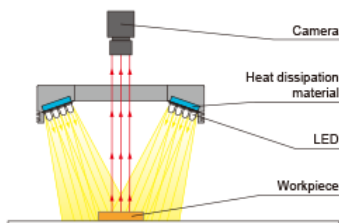


FORM FACTORS

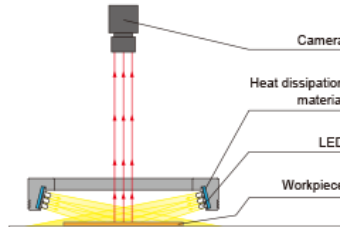
Machine vision lighting comes in many shapes, each producing certain illumination effects. This list covers the most common light shapes used in the industry.

RING LIGHT



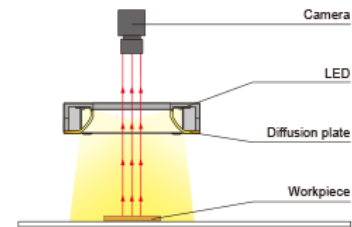
Effect: Multipurpose bright-field illumination

LOW-ANGLE RING LIGHT



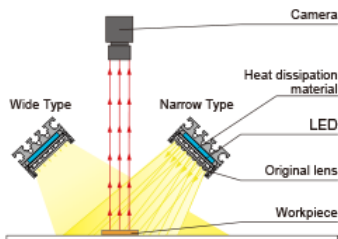
Effect: Dark-field illumination for highlighting surface features

DIFFUSE RING LIGHT



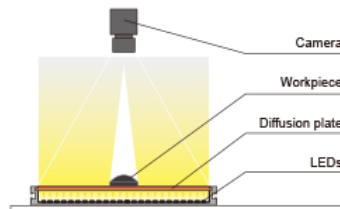
Effect: Even illumination with reduced shadowing

BAR LIGHT



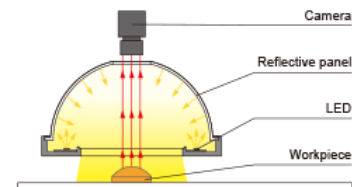
Effect: Flexible bright-field/dark-field lighting, depending on position and angle

FLAT LIGHT



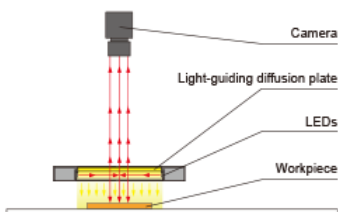
Effect: Images silhouettes and outlines transparent objects

DOME LIGHT



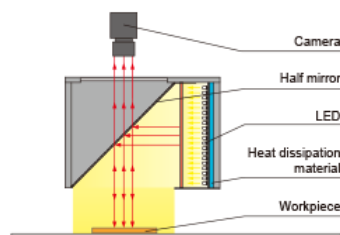
Effect: Shadow-less light to make uneven surfaces appear flat

FLAT DOME LIGHT



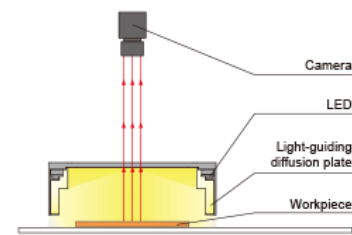
Effect: Dome illumination in thin, flat design without camera hole

COAXIAL LIGHT



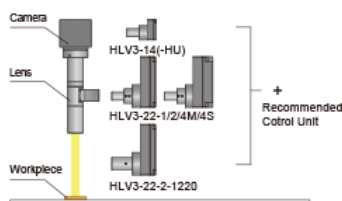
Effect: Uniform bright-field light for shiny surfaces

SQUARE LIGHT



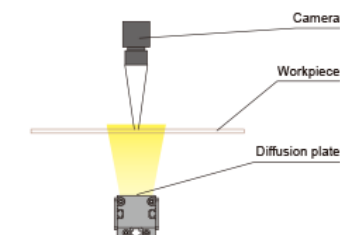
Effect: Flexible bright-field/dark-field lighting, especially suited for square/rectangular objects

SPOT LIGHT



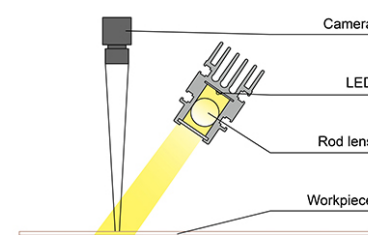
Effect: Directional illumination to light a specific place on the object

LINE LIGHT (HIGH UNIFORMITY)



Effect: Diffused illumination for line-scan inspection

LINE LIGHT (HIGH ILLUMINANCE)



Effect: Focused illumination for line-scan inspection

Imaging Different Workpieces with Common Light Shapes

Imaged workpiece Light Unit in use	Metal part (automotive part)	Circuit board (electronic part)	Can (food)	PET bottle (drink)
Ring Lights				
 LDR2 series				
 LDR2-LA series				
 LDR-LA1 series				
 High-angle HPR2 series				
 Low-angle HPR2 series				
Coaxial Lights				
 LEV3 series				
Dome Lights				
 HPD2 series				
Flat Dome Lights				
 LFX3 series				
Flat Lights				
 TH2 series				
Bar Lights				
 LDL2 series				

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