

RING LIGHTS

MORITEX

A Cognex Company

High-Angle Ring Lights

IMC-R



High-angle ring lights that provide shadowless, bright-field illumination for a wide range of applications.

Product ID	Inner Diameter (mm)	Outer Diameter (mm)	Light Angle	Color	Power (watts)	Connector Type
IMC-R-32x10-70B-M	10	32	70	Blue	1.7	M12
IMC-R-32x10-70R-M				Red	0.9	
IMC-R-32x10-70W-M				White	1.7	
IMC-R-50X28-75B-M	28	50	75	Blue	2.6	
IMC-R-50X28-75IR-M				IR	2.8	
IMC-R-50X28-75R-M				Red	0.7	
IMC-R-50X28-75W-M				White	2.8	
IMC-R-70X35-90B-M	35	70	90	Blue	5.5	
IMC-R-70X35-90R-M				Red	1.5	
IMC-R-70X35-90W-M				White	5.5	
IMC-R-90X30-80B-M	30	90	83	Blue	9.3	
IMC-R-90X30-80R-M				Red	5.3	
IMC-R-90X30-80W-M				White	10.3	
IMC-R-90X50-70B-M	50		71	Blue	6.2	
IMC-R-90X50-70R-M				Red	3.5	
IMC-R-90X50-70W-M				White	6.4	
IMC-R-120X58-50B-M	58	120	52	Blue	13.1	
IMC-R-120X58-50R-M				Red	3.1	
IMC-R-120X58-50W-M				White	13.5	

Diffuse Low-Angle Ring Lights

IMC-DR

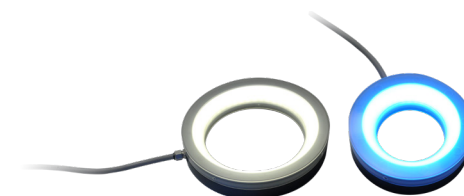


Low-angle ring lights with built-in diffuser. Ideal for inspecting flaws and edges on high-gloss surfaces.

Product ID	Inner Diameter (mm)	Outer Diameter (mm)	Color	Power (watts)	Connector Type
IMC-DR-100X73B-M	73	100	Blue	5	M12
IMC-DR-100X73R-M			Red	1.7	
IMC-DR-100X73W-M			White	5.8	
IMC-DR-136X109B-M	109	136	Blue	8.6	
IMC-DR-136X109R-M			Red	1.7	
IMC-DR-136X109W-M			White	8.4	
IMC-DR-180X153B-M	153	180	Blue	10.3	
IMC-DR-180X153R-M			Red	2.3	
IMC-DR-180X153W-M			White	11.6	

High-Powered Diffuse Ring Lights

IMC-HR



High-powered ring lights with built-in diffuser and IP-67 compliant housing. Ideal for inspecting metallic or other specular surfaces.

Product ID	Inner Diameter (mm)	Outer Diameter (mm)	Color	Power (watts)	Connector Type	IP Rating
IMC-HR-116X66B-M	66	116	Blue	15	M12	IP67
IMC-HR-116X66M-M			RGBW	16		
IMC-HR-116X66R-M			Red	13		
IMC-HR-116X66W-M			White	15		
IMC-HR-166X116B-M	116	166	Blue	23		
IMC-HR-166X116M-M			RGBW	24		
IMC-HR-166X116R-M			Red	22		
IMC-HR-166X116W-M			White	23		

Low-Angle Ring Lights

IMC-RLA

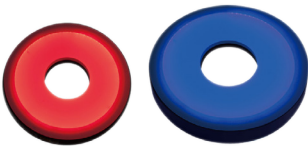
Optimal lighting for recognizing small surface changes like scratches or embossing using 360-degree illumination from a shallow angle to eliminate hot-spots, even on glossy parts.



Product ID	Inner Diameter (mm)	Outer Diameter (mm)	Angle	Color	Power (watts)	Connector Type
IMC-RLA-74X48-B-M	48	74	30	Blue	5.6	M12
IMC-RLA-74X48-R-M				Red	2.2	
IMC-RLA-74X48-W-M				White	5.3	
IMC-RLA-75X46-B-M	46	75	0	Blue	2.5	
IMC-RLA-75X46-R-M				Red	0.5	
IMC-RLA-75X46-W-M				White	2.8	
IMC-RLA-96X60-B-M	60	96	0	Blue	3.1	
IMC-RLA-96X60-R-M				Red	0.7	
IMC-RLA-96X60-W-M				White	3.5	
IMC-RLA-100X70-B-M	70	100	30	Blue	8.7	
IMC-RLA-100X70-R-M				Red	1.8	
IMC-RLA-100X70-W-M				White	8.4	
IMC-RLA-132X96-B-M	96	132	15	Blue	7.1	
IMC-RLA-132X96-R-M				Red	2.5	
IMC-RLA-132X96-W-M				White	7.2	
IMC-RLA-200X170B-M	170	200	0	Blue	5.9	
IMC-RLA-200X170R-M				Red	2	
IMC-RLA-200X170W-M				White	6.1	

Flat Ring Lights

IMC-FR



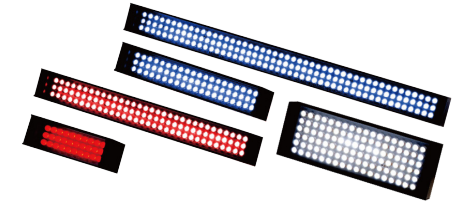
Flat ring lights that provide soft, uniform diffused lighting to better illuminate glossy surfaces.

Product ID	Inner Diameter (mm)	Outer Diameter (mm)	Color	Power (watts)	Connector Type
IMC-FR-102X33B-M	33	102	Blue	3.3	M12
IMC-FR-102X33IR-M			IR	1.3	
IMC-FR-102X33R-M			Red	1.2	
IMC-FR-102X33W-M			White	3.2	
IMC-FR-125X44B-M	44	125	Blue	3.8	
IMC-FR-125X44IR-M			IR	3.2	
IMC-FR-125X44R-M			Red	2.3	
IMC-FR-125X44W-M			White	4	

BAR LIGHTS

Standard Bar Lights

IMC-BA



Standard bar lights that provide high intensity light from any angle to enable inspection of a wide range of surfaces.

Product ID	Length (mm)	Width (mm)	Color	Power (watts)	Connector Type
IMC-BA-42X15B-M	42	15	Blue	1.4	M12
IMC-BA-42X15IR-M			IR	0.9	
IMC-BA-42X15R-M			Red	0.8	
IMC-BA-42X15W-M			White	1.5	
IMC-BA-74X27B-M	74	27	Blue	3.9	
IMC-BA-74X27R-M			Red	1.8	
IMC-BA-74X27W-M			White	3.8	
IMC-BA-82X15B-M	82	15	Blue	2.8	
IMC-BA-82X15R-M			Red	0.7	
IMC-BA-82X15W-M			White	2.7	
IMC-BA-130X15B-M	130		Blue	4.5	
IMC-BA-130X15IR-M			IR	3.1	
IMC-BA-130X15R-M			Red	1	
IMC-BA-130X15W-M			White	4.4	
IMC-BA-200X15B-M	200		Blue	6.8	
IMC-BA-200X15R-M			Red	1.7	
IMC-BA-200X15W-M			White	7.2	

High-Power Diffuse Bar Lights

IMC-BA-D

High-powered bar lights with built-in diffusers. Ideal for applications that require significant illumination (high speed, long working distance, etc).



Product ID	Length (mm)	Width (mm)	Color	Power (watts)	Connector Type
IMC-BA-389X36B-D-M	389	36	Blue	46	M12
IMC-BA-389X36I-D-M			IR		
IMC-BA-389X36R-D-M			Red		
IMC-BA-389X36U-D-M			UV		
IMC-BA-389X36W-D-M			White		

BRICK LIGHTS

Brick Lights

IMC-BH

High-intensity lights in an easy-to-mount, IP-67 compliant case. Ideal for a wide variety of applications.

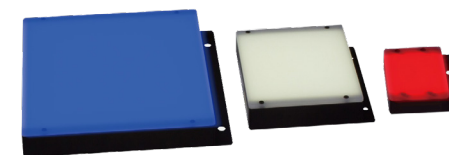


Product ID	Length (mm)	Width (mm)	Color	Power (watts)	Connector Type
IMC-BH-68X45B-M	68	45	Blue	6	M12
IMC-BH-68X45IR-M			IR		
IMC-BH-68X45R-M			Red		
IMC-BH-68X45W-M			White		

BACK LIGHTS

Standard Back Lights

IMC-FL



Standard back lights in a compact form factor that provide diffused light for silhouetted inspections in tight spaces.

Product ID	Length (mm)	Width (mm)	Height (mm)	Color	Power (watts)	Connector Type
IMC-FL-27X27B-M	27	27	15	Blue	1.4	M12
IMC-FL-27X27R-M				Red	0.6	
IMC-FL-27X27W-M				White	1.5	
IMC-FL-51X51B-M	51	51	15	Blue	5.9	
IMC-FL-51X51R-M				Red	4.5	
IMC-FL-51X51W-M				White	6.3	
IMC-FL-83X75B-M	83	83	15	Blue	7.2	
IMC-FL-83X75R-M				Red	4.7	
IMC-FL-83X75W-M				White	6.9	
IMC-FL-100X100B-M	100	100	15	Blue	10.4	
IMC-FL-100X100IR-M				IR	8.6	
IMC-FL-100X100R-M				Red	3.5	
IMC-FL-100X100W-M				White	9.9	
IMC-FL-230X230B-M	230	230	15	Blue	24	
IMC-FL-230X230R-M				Red	25	
IMC-FL-230X230W-M				White	24.2	

Narrow-Angle Back Lights

IMC-FL



Back lights that provide higher directivity to the projected light, which results in sharper definition on surface edges. Ideal for high-precision measurement applications, especially when paired with a bi-telecentric lens.

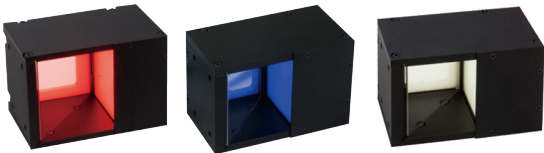
Product ID	Length (mm)	Width (mm)	Height (mm)	Color	Power (watts)	Connector Type
IMC-NFL-27X27B-M	27	27	15	Blue	1.7	M12
IMC-NFL-27X27G-M				Green	1.7	
IMC-NFL-27X27R-M				Red	0.7	
IMC-NFL-27X27W-M				White	1.7	
IMC-NFL-51X51B-M	51	51	15	Blue	2.9	
IMC-NFL-51X51G-M				Green	2.9	
IMC-NFL-51X51R-M				Red	1.0	
IMC-NFL-51X51W-M				White	2.9	
IMC-NFL-63X60B-M	63	60	15	Blue	3.4	
IMC-NFL-63X60G-M				Green	3.4	
IMC-NFL-63X60R-M				Red	1.2	
IMC-NFL-63X60W-M				White	3.4	
IMC-NFL-83X75B-M	83	75	15	Blue	5.8	
IMC-NFL-83X75G-M				Green	5.8	
IMC-NFL-83X75R-M				Red	4.7	
IMC-NFL-83X75W-M				White	5.8	
IMC-NFL-100X96B-M	100	96	15	Blue	9.9	
IMC-NFL-100X96G-M				Green	9.9	
IMC-NFL-100X96R-M				Red	8.0	
IMC-NFL-100X96W-M				White	9.9	
IMC-NFL-150X146B-M	150	146	15	Blue	21.7	
IMC-NFL-150X146G-M				Green	21.7	
IMC-NFL-150X146R-M				Red	17.4	
IMC-NFL-150X146W-M				White	21.7	
IMC-NFL-230X230B-M	230	230	15	Blue	24.4	
IMC-NFL-230X230G-M				Green	24.4	
IMC-NFL-230X230R-M				Red	19.5	
IMC-NFL-230X230W-M				White	24.4	

COAXIAL LIGHTS

Coaxial Lights

IMC-CX

Provides uniform, simulated coaxial lighting. Ideal for measurement applications with telecentric lenses that don't already have coaxial illumination.



Product ID	Length (mm)	Width (mm)	Height (mm)	Color	Power (watts)	Connector Type
IMC-CX-75X46B-M	75	46	41	Blue	2.2	M12
IMC-CX-75X46R-M				Red	1.5	
IMC-CX-75X46W-M				White	2.1	
IMC-CX-94X60B-M	94	60	59	Blue	6.4	
IMC-CX-94X60R-M				Red	1.1	
IMC-CX-94X60W-M				White	6.2	
IMC-CX-120X84B-M	120	84	80	Blue	5.8	
IMC-CX-120X84R-M				Red	4.9	
IMC-CX-120X84W-M				White	6.1	

CONTROLLERS

Lighting Controllers

Lighting controllers for IMC series lights.



Product ID	Channels	Length (mm)	Width (mm)	Power (watts)	Connector Type
IMCT-DPS-DD-72-1	1	53	30	72	M12
IMCT-MLEF-A015G2DT	2	99	65	15 (per channel)	Flying Lead

Strobe Cables

Enables light control via a vision system without an external light controller.



Product ID	Length (mm)	Connector A Type	Connector B Type
IMCB-TRG-M12-1M	1000	M12	M12
IMCB-TRG-M12-3M	3000		

Lighting Cables

Extension cables, including branch cables for multi-light control.



Product ID	Length (mm)	Connector A Type	Connector B Type
IMCB-TRG-M12-1M	1000	M12	M12
IMCB-TRG-M12-3M	3000		
IMCB-M12-0.1M-FL	100	Flying Lead	
IMCB-M12-1M-FL	1000		
IMCB-M12-2M-FL	2000		
IMCB-M12-3M-FL	3000		
IMCB-M12-5M-FL	5000		
IMCB-M12-1M-M12	1000	M12	
IMCB-M12-2M-M12	2000		
IMCB-M12-3M-M12	3000		
IMCB-M12-5M-M12	5000		
IMCB-2W-M12-2M-M12	2000		
IMCB-2W-M12-3M-M12	3000		
IMCB-4W-M12-2M-M12	2000		
IMCB-4W-M12-3M-M12	3000		
IMCB-4W-M12-5M-M12	5000		
			M12 (x2)
			M12 (x4)