







# BOSCH EXTREME CCTV QUICK GUIDE

		EX12LED LED Infrared Illuminator	EX26LED LED Infrared Illuminator	EX46LED Vandal Resistant Domes	Miniflood 100 Illuminator	Uniflood 300 Illuminator	Uniflood 500 Illuminator
<b>INFRARED ILLUMINATORS</b>							
<b>Model</b>	Wavelength / Beam Pattern opt.	850 nm (30°, 60°) 940 nm (30°)	850 nm (30°, 60°) 940 nm (30°)	850 nm (30°, 60°)	730 nm (10°, 30°, 60°) 830 nm (10°, 30°, 60°) 950 nm (10°, 30°, 60°)	730 nm (6°, 10°, 30°, 60°) 830 nm (6°, 10°, 30°, 60°) 950 nm (6°, 10°, 30°, 60°)	730 nm (6°, 10°, 30°, 60°) 830 nm (6°, 10°, 30°, 60°) 950 nm (6°, 10°, 30°, 60°)
<b>Technical Specifications</b>	Operational Life	10 years	10 years	10 years	8,000 hours	3,500 hours	3,500 hours
	Night Vision Distance	3 - 12 m	18 m	12 m	<b>730 nm:</b> 10°=100 m, 30°= 60 m, 60°=40 m <b>830 nm:</b> 10°=59 m, 30°=36 m, 60°=24 m <b>950 nm:</b> 10°=35 m, 30°=21 m, 60°=14 m	<b>730 nm:</b> 6°=190 m, 10°=160 m, 30°= 110 m, 60°=75 m <b>830 nm:</b> 6°=112 m, 10°=95 m, 30°= 65 m, 60°=44 m <b>950 nm:</b> 6°=66 m, 10°=56 m, 30°= 38 m, 60°=26 m	<b>730 nm:</b> 6°=250 m, 10°=210 m, 30°=160 m, 60°=100 m <b>830 nm:</b> 6°=148 m, 10°=24 m, 30°=95 m, 60°=59 m <b>950 nm:</b> 6°=87 m, 10°=73 m, 30°= 56 m, 60°=35 m
<b>Electrical</b>	IR Control	Adjustable IR intensity	Adjustable IR intensity				
	Photocell	Automatic, sensitivity adjustable	Sensitivity adjustable				
	Power Supply	12 VDC or 24 VAC	12 VDC or 24 VAC	12 VDC or 24 VAC	12 VDC or 12 VAC	27 VAC	28.5 VAC
<b>Mechanical</b>	Power Consumption	6 W	15 W	6 W	70 W	170 W	220 W
	Radiated Output					Similar of an ordinary 300 W lamp	Similar of an ordinary 500 W lamp
	Housing	CNC aluminum anodized (6061 T6)	Extruded and cast aluminium		Robust extruded and cast aluminium	Robust extruded and cast aluminium	Robust extruded and cast aluminium
<b>Environmental Certifications</b>	Color	Black	Black standard (white available)		Black	Black	Black
	Dimension (WxDxH)	74 x 70 x 70 mm	89 x 91 x 150 mm		90 x 90 x 135 mm	130 x 135 x 185 mm	130 x 135 x 185 mm
	Weight	454 g	800 g	600 g	0.8 kg	2 kg	2 kg
<b>Environmental Certifications</b>	Operation Temperature Range	-50 °C to +60 °C	-50 °C to +60 °C		-50 °C to +50 °C	-50 °C to +50 °C	-50 °C to +50 °C
		CSA Type 4X CSA C22.2 No.0-M1991 CSA C22.2 No.1-M94 CSA C22.2 No.94-M91 UL Std No 50 UL Std No 2044	NEMA 4X / IP66 CSA Type 4X CSA C22.2 No.0-M1991; No.1-M94; No.94-M91 UL Std No 50 UL Std No 2044		IP 66	IP 65	IP 65

		EX60LED Explosion Protected IR	EX72LED Explosion Protected IR	SUPERLED™ Supercharged IR	Black Diamond Super LED™ BLACKDIAMOND IR	UFLED Black Diamond™ Intelligent IR-Illuminator	ZX700 Long Range IR-Illuminator
<b>INFRARED ILLUMINATORS</b>							
<b>Model</b>	Wavelength / Beam Pattern opt.	850 nm (30°, 60°) 940 nm (30°)	850 nm (30°, 60°) 940 nm (30°)	850 nm (20°, 30°, 60°) 940 nm (20°)	850 nm (10°, 20°, 30°, 60°, 95°,135°)	850 nm (10°, 20°, 30°, 60°, 95°,120°) 940 nm (10°, 20°, 30°, 60°, 95°,120°)	730 nm (2.5°); 830 nm (2.5°); 940 nm (2.5°)
<b>Technical Specifications</b>	Operational Life	10 years	10 years	>5 Years	>5 years	10 years	2,000 hours
	Night Vision Distance	18 m	18 m	<b>850 nm:</b> 20°=175 m, 30°= 115 m, 60°=55 m <b>940 nm:</b> 20°=110 m	<b>850 nm:</b> 10°=300 m, 20°=200 m, 30°= 160 m, 60°=110 m, 95°=90 m, 135°=56 m	<b>850 nm:</b> 10°=220 m, 20°= 150 m, 30°=110 m, 60°=70 m, 95°=50 m, 120°=35 m <b>950 nm:</b> 10°=135 m, 20°= 80 m, 30°=65 m, 60°=40 m, 95°=30 m, 120°=20 m	up to 1000 m
<b>Electrical</b>	IR Control			Automatic on/off	Automatic on/off		Day/Night auto. switching; adjust. sensitivity
	Photocell						
	Power Supply	12 VDC or 24 VAC	12 VDC or 24 VAC	120 to 240 VAC	85 to 265 VAC (switch mode PSU)	12 to 40 VAC ±30%	120 VAC (12VDC, 650 mA-Output for camera)
<b>Mechanical</b>	Power Consumption	15 W	15 W	90 W	120 W	26 to 45 W max	200 W
	Radiated Output						
	Housing	Extruded and cast aluminium, Cooper-Free, 3/8 in. Tempered View Window	High-strength reinforced aluminium	Robust aluminium extrusion	Robust, aluminium construction with acrylic front fascia	Robust extruded and cast aluminium	Spun aluminium
<b>Environmental Certifications</b>	Color	Aluminium	Black	Black	Black	Black	Black
	Dimension (WxDxH)	128 x 191 mm	145 x 135 x145 mm	240 x 180 x 89 mm	277 x 212 x 90 mm	152 x 188 x 115 mm	166 x 382 x 364 mm
	Weight	4.5kg	2.8kg	4.5 kg	4.2 kg	1.4 kg	4 kg
<b>Environmental Certifications</b>	Operation Temperature Range	-50 °C to +55 °C	-50 °C to +40 °C	-50 °C to +45 °C	-50 °C to +50 °C	-50 °C to +50 °C	-40 °C to +50 °C
		CSA / NEMA TYPE 4 CSA-NRTL - LR 113310 Class 2258/82 and 2258/02 - Process Control OSHA / ANSI / UL / CSA UL 508, 16th Edition; UL 698, 11th Edition UL 1203 2nd Edition Explosion-Proof CSA C22.2 No.0-M1991; No.0.4-M1982; No.25-M1966; No.30-M1986; No.94-M1991; No.142-M1987 Class I, Div 1, 2, Groups B, C, D Class II, Div 1, 2, Groups E, F, G; Class III Temperature Code T6	CSA / NEMA TYPE 4 CSA-NRTL - LR 113310 Class 2258/82 and 2258/02 - Process Control OSHA / ANSI / UL / CSA UL 508, 16th Edition; UL 698, 11th Edition UL 1203 2nd Edition Explosion-Proof CSA C22.2 No.0-M1991; No.0.4-M1982; No.25-M1966; No.30-M1986; No.94-M1991; No.142-M1987 Class I, Div 1, 2, Groups B, C, D Class II, Div 1, 2, Groups E, F, G; Class III Temperature Code T6	IP 68	IP 67	IP 67	IP 66