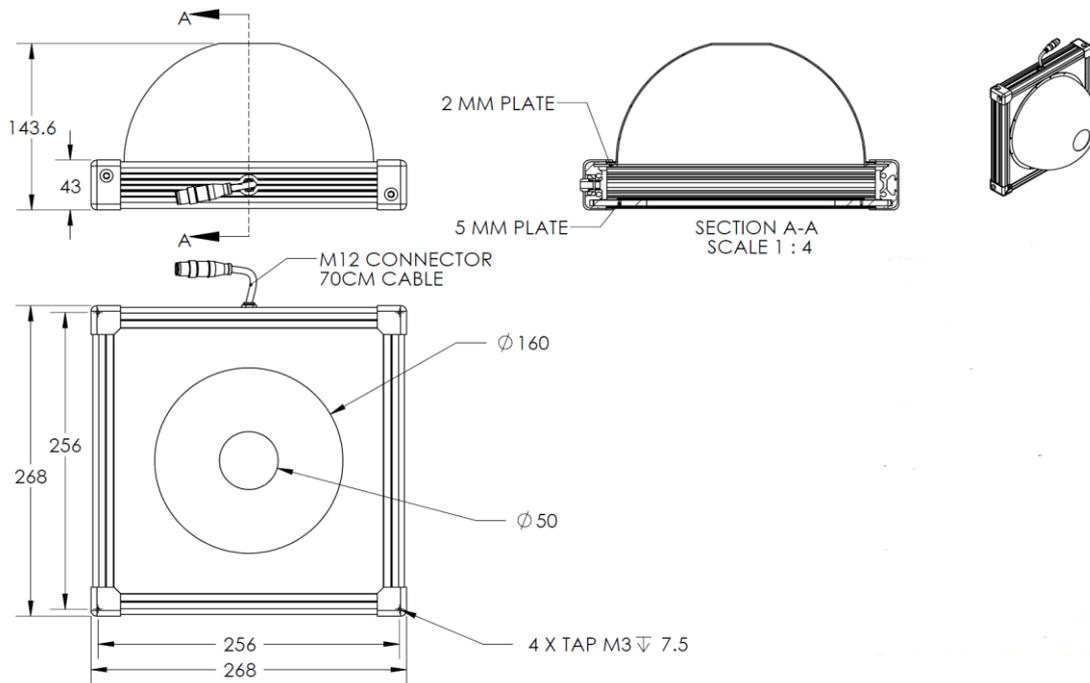


HIDS-00-200-X-B-24V

Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage & Operating Temperature Range	Temp 0-60°C, Humidity 20-85%
Weight	2160 g
Outer Dimension	268 x 268 mm
Inner Diameter	50 mm
Thickness	143.6 mm



HIDS-00-200-X-B-24V

Optical Information			
Part Number	HIDS-00-200-X-B-24V		
LED Colour	BLUE		
Wavelength	(nm)	470	
Intensity (±15%)	(Lux)	3086	2817 2476
Working Distance	(mm)	87	97 107
Illumination (number of rows)	1		
Illumination Active Area			
Active Outer Diameter	(mm)	160	
Active Inner Diameter	(mm)	50	
Emission Angle	(deg.)	0	
Eye Safety Class (IEC62471)	II		
Electrical Information			
Lighting Supply Voltage (constant voltage mode)	24V ± 2%		
Continuous Current	(mA)	728	
Power Consumption	(W)	17.47	
Lighting Casing Temperature, Operating after 60 minutes	°C	42.1	
Strobe Mode Specification			
Pulse Operation	YES		
Max. Lighting Supply Voltage (constant voltage power supply)	(V)	Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle Recommended at 36VDC	
Pulse Current, (Max. 10 msec) (constant current power supply)	(mA)	2184	
Max. Trigger Pulse Duration	(msec)	10	
Duty Cycle	0-10%		
Additional Information			
Additional Cooling Method	Attached to machine part for better heat dissipation		
Lifespan in Continuous Mode	20,000 hours (drop to 50% intensity) at 25°C		
Lifespan in Strobe Mode	Est. >50,000 hours (drop to 50% intensity) at 25°C		
Intensity Controller Selection	SD/SDA-Series		
CE Conformity	YES		
RoHS Compliance	YES		
Connection			
Connector Type (default)	M12 5 PIN CONNECTOR (MALE)		
Cable Length (out from lighting)	(mm)	700	
Pin Configuration	Pin	Signal	Cable Colour
	1	24V	BROWN
	2	-	WHITE
	3	GND	BLUE
	4	-	BLACK
	5	-	GRAY
Extension Cable			
Connector Type (default)	M12 5 PIN CONNECTOR (FEMALE)		
Part Number	EXT-FL-M12F-3M-24V		
Cable Length (out from female connector)	(mm)	3000	
Extension Cable (connect to M12 5 Pin Male Connector from lighting)			
Application			
Illumination Type	Indirect Dome Illumination		
Application Use	Crack, chip, stains on circular or cylindrical objects, solder inspection and substrate inspection		

HIDS-00-200-X-B-24V

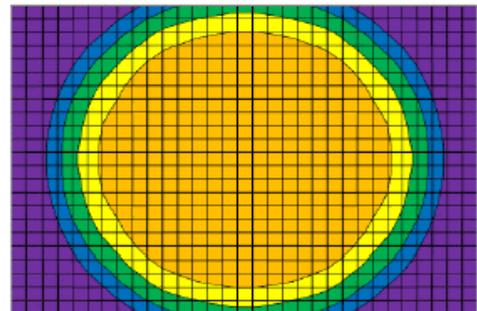
Advantages	
Flexible Illuminator	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Full Dome Cover</p> </div> <div style="text-align: center;"> </div> <div style="text-align: center;"> <p>Half Dome Cover</p> </div> </div>
Easy Mounting	

Uniformity Graph (Relative Irradiation Strength) - Representative Pattern

LENS FOCAL LENGTH, F = 8 mm

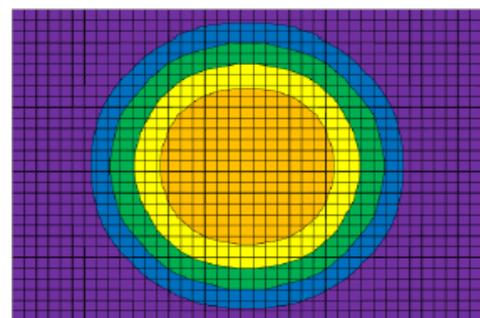
CWD = 200 mm
LWD = 50 mm

COLOUR	TOLERANCE	L X W
	± 10 %	100 X 100
	± 15 %	115 X 115
	± 20 %	125 X 120
	± 25 %	135 X 120
	± 30 %	160 X 120



CWD = 250 mm
LWD = 100 mm

COLOUR	TOLERANCE	L X W
	± 10 %	75 X 78
	± 15 %	99 X 100
	± 20 %	120 X 120
	± 25 %	135 X 138
	± 30 %	200 X 150



* Each individual box is 5 X 5 mm.

*Disclaimer : The graphs portrayed are for reference only and does not in any way guarantee the quality of this product.