

DATASHEET

Multi-Channel Superluminescent Diode Source

Integrated Spectral Bench (ISB2)

Multi-SLED Light Source, 2 SLEDs: 1550nm, 1615nm, SM Fiber, Low Degree of Polarization, Spectral Coverage: 1530nm-1630nm, FWHM: 100nm, CW:1580nm, Light Output Power >10mW

Luxmux Part Number: ASM000720



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A. PRODUCT DESCRIPTION

The Luxmux broadband multi-superluminescent diode source (Multi-SLED) ASM000720 combines two output beams as a single spectrum product. The system provides individual control of light sources through a digitally controlled interface. Individual SLED performance dashboards are provided for optimum set up calibration as required. The light source is integrated with a high-performance SLED driver and temperature control electronics in a rugged compact package. Power meters can be added for additional monitoring capability.

Luxmux's Spectral Stitching technique of integrating multiple wavelengths into a single broad spectrum is designed for optimum coupling efficiency into a single mode fiber. This brings exceptional flexibility and usability to the sensing marketplace. The Multi-SLED can be spectrally tailored to suit specific application needs and offer excellent back reflection immunity. This provides extremely high stability, making these sources ideal for the applications included below:

B. KEY FEATURES

- Two superluminescent diodes (SLEDs)
- All SLEDs can be run from 0 100% of maximum rating
- Fiber-coupled output power: >10mW
- Bandwidth FWHM > 100nm, @10dB > 170nm
- Under 5% degree of polarization (DOP) across the spectrum
- Luxmux's patented technology for spectral stitching provides optimum power and bandwidth
- Multiple communication interfaces: USB, RS-232, Ethernet

C. APPLICATIONS

- Optical Component Testing
- Telecom Test Equipment
- Medical Optical Coherence Tomography
- Industrial Optical Coherence Tomography
- Metrology

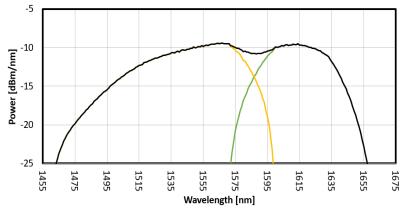
- Each SLED comes with a built-in independent monitor photodiode and one common thermoelectric cooler (TEC) for all SLEDs
- Internally optimized for maximum coupling efficiency with PM1550-XP Fiber or PM1300-XP
- Monolithic integration of a Broadband Dual Stage PMF Isolator (35dB)
- Light output: FC/APC Connector (Optional FC/PC or SMA)
- User friendly GUI and custom API available for test automation
- Biomedical Imaging Systems
- Optical Sensing
- White Light Interferometry & Chromatic Dispersion

CAUTION CLASS 1M LASER RADIATION WHEN OPEN

DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS

• Research and Development

RoHS



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D. ABSOLUTE MAXIMUM RATINGS (see note 1)

Parameter	Symbol	Condition	Minimum	Maximum	Unit					
DRIVER POWER SUPPLY SPECIFICATIONS										
Input Power Supply Voltage	Vs	CW	10	14	V					
Input Power Supply Current	ls	CW	5	-	А					
	TEMPER	ATURE SPECIFICATIO	NS							
Case Temperature (see note 2)	T _{Case}		0	60	°C					
Storage Temperature (see note 4)	T _{stg}	No condensation, Unbiased	-40	85	°C					
Storage Humidity (see note 4)	RH_{stg}		5	85	%RH					
Ambient Operating Temperature (See note 3)	Тор		0	50	°C					

Notes:

1. Please note that exceeding the Absolute Maximum Ratings above may cause device failure. Luxmux does not bear responsibility for laser power damage that is attributed to electrostatic discharge, excessive current levels, and current spikes (transients).

Any attempts to increase the laser drive current above the pre-set limits or recommended specification limits, can damage the device, and nullify the warranty period. It should be emphasized that the current limit set points cannot be exceeded.

2. T_{Case} and T_{TEC} are monitored by internal thermistor with external readout.

3. For optimum performance of the Integrated Spectral Bench (ISB2), the ISB2 must be operated within the specified temperature ranges. The Multi-SLED® has an internal thermoelectric cooler (TEC) to remove heat from the light source and dissipate it through the ISB2 case. It is required to provide free air circulation around the ISB2 device. It is always recommended to cool down the unit with a fan, and/or to mount the ISB2 on an appropriate heatsink, capable of dissipating up to 15W. The thermal resistance between ISB2 metal case and heatsink can be minimized by applying thermal grease, thermal glue or thermal pad between the contact surfaces. When the Multi-SLED® is used without a heatsink, maximum ambient operating temperature is 35°C. The specification lists the operating temperature for the electrical/optical characteristics, which is the temperature of the ISB2 during the time that the specifications were measured. Variation in temperature beyond what is specified can have a significant effect on the optical characteristics, like changes in wavelength or drop in output power.

4. Storage temperature and relative humidity should be chosen so the dew point of the humid air around the package is below the storage temperature of the package, to avoid condensation inside the ISB2 enclosure.

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E. OPTICAL AND ELECTRICAL SPECIFICATIONS (see note 5)

Parameter	Symbol	Condition	Minimum	Typical	Maximum	Unit
	DRIV	ER POWER SUPPLY	SPECIFICATIO	NS		
Input Power Supply Voltage	Vs	CW	10	12	14	V
Input Power Supply Current	ls	CW	5	-	-	А
Input Power Supply Voltage Ripple and Noise	γ	CW	-	-	200	mVpp
		OPTICAL SPECIF	ICATIONS			
Center Wavelength (see note 6) SLED 1 – 1615nm SLED 2 – 1550nm SLED 1+2 – 1580nm	CWL	CW T _{OP} = 25°C T _{TEC} = 21°C I _{OP}	1605 1540 1570	1615 1550 1580	1625 1560 1590	nm
PM Fiber Coupled Power (see note 7) SLED 1 – 1615nm SLED 2 – 1550nm SLED 1+2 – 1580nm	Ρ	CW T _{OP} = 25°C T _{TEC} = 21°C I _{OP}	4 6 10	-	-	mW
Bandwidth FWHM (see note 8) SLED 1 – 1615nm SLED 2 – 1550nm SLED 1+2 – 1580nm	Вғwнм	CW T _{OP} = 25°C T _{TEC} = 21°C IOP	-	45 65 100	-	nm
Bandwidth @ -10dB SLED 1 – 1615nm SLED 2 – 1550nm SLED 1+2 – 1580nm	B@10db	CW T _{OP} = 25°C T _{TEC} = 21°C I _{OP}	-	75 90 170	-	nm
Spectrum Ripple (see note 9)	R	CW T _{OP} = 25°C T _{TEC} = 21°C I _{OP}	< 0.15	< 0.30	< 0.45	dB
Spectral Coverage	SC	CW T _{OP} = 25°C T _{TEC} = 21°C I _{OP}	-	1530 - 1630	-	nm
Degree of Polarization (see note 10) SLED 1+2 – 1580nm	DOP	CW T _{OP} = 25°C T _{TEC} = 21°C I _{OP}	-	-	5	%
RIN	RIN	CW T _{OP} = 25°C T _{TEC} = 21°C I _{OP}	-	< -130	-	dB/Hz

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Parameter	Symbol	Condition	Minimum	Typical	Maximum	Unit				
Power Stability (After 1h	-				IVIAXIII AIII					
warm up)	P _{STAB}	Т _{оР} = 25°С <u>+</u> 2.5	-	< 0.1	-	dB				
		CW								
Warmup Time	W	T _{OP} = 25°C	15	30	60	Min.				
TTEC = 21°C IOP CONSTANT CURRENT MODE										
Operating Current										
SLED 1 – 1615nm	I _{OP}	CW T _{OP} = 25°C	_	_	300	mA				
SLED 2 – 1550nm	IOP	$T_{TEC} = 21^{\circ}C I_{OP}$	_	_	500	ША				
Current Setting Resolution	R _{IOP_SET}		-	-	0.1	mA				
SLED Current Reading					0.1					
Resolution	R _{IOP_READ}		-	0.1	-	mA				
		MODULATION	MODE		<u> </u>					
Waveform			-	Square	-					
Modulation Frequency	t		0.016		1000	U-				
Range	f _{mod}		0.016	-	1000	Hz				
Duty Cycle	D		10	50	90	%				
		INTERNAL MONIT	FOR DIODE							
Monitor Diode Current	I _{mon}		_	_	500	uA				
Reading	Imon		_	-	500	uA				
Monitor Diode Current	RESImon		-	7.6	-	nA				
Reading Resolution				,10						
	1	LIGHT OUTPUT CO	DNNECTOR							
				FC/PC,						
Type of Fiber Connector			-	FC/APC,	-					
				SMA						
		SLED TEC SPECIF	ICATIONS		Г П					
SLED TEC Temperature Setpoint	T _{SLED_SET}		0	-	40	°C				
SLED TEC Temperature	R _{TSLED_SET}		-	0.1	-	°C				
Setpoint Resolution	MISLED_SET			0.1		C				
SLED TEC Temperature	T _{SLED_READ}		-40	-	100	°C				
Reading										
SLED TEC Temperature	R _{TSLED}		-	0.1	-	°C				
Reading Resolution	READ									
Heat-inh Tana a set of	T	EMPERATURE SPE	CIFICATIONS							
Heatsink Temperature Reading Range	T _{HS}		-40	-	100	°C				
Heatsink Temperature Reading Resolution	R _{THS}		-	0.1	-	°C				

#LTC-ISB2-1550_1615-SM-LP-1530_1630-100-1580-10_DS_2021_08_05



Parameter	Symbol	Condition	Minimum	Typical	Maximum	Unit
		POWER M	ETER	•	•	
Spectral Response Range	λ_{PM}		900	-	1870	nm
Photosensitive Area	Apm		-	Ф1	-	mm
Power Meter Current Reading	Р _{РМ}		50	-	-	uA
Peak Sensitivity Wavelength	λр		-	1750	-	nm
Photo Sensitivity	S	λ= λρ	0.9	1.1	-	A/W
Typical Dark Current	Ι _D		-	1	10	nA
Detectivity	D*	λ= λρ	2 x 10 ¹²	5.5 x 10 ¹²	-	cm*Hz ^{1/2} /W
Noise Equivalent Power	NEP	λ= λρ	-	1.5 x 10 ⁻ 14	4 x 10 ⁻¹⁴	W/Hz ^{1/2}
	POW	VER METER TEC S	PECIFICATION	IS	•	
Power Meter TEC Temperature Setpoint	T _{PM_SET}		-20	-	40	°C
Power Meter TEC Temperature Setpoint Resolution	R _{TPM_SET}		-	0.1	-	°C
Power Meter TEC Temperature Reading	T _{PM_READ}		-40	-	85	°C
Power Meter TEC Temperature Reading Resolution	R _{TPM} _ read		-	0.1	-	°C

Notes:

5. There may be differences in typical values of output power, power stability, wavelength and bandwidth, due to coupling efficiency. These values are references and there is no guarantee that each particular ISB2 module will have EXACTLY the typical values shown on the previous chart.

6. Center Wavelength is defined as the center point of the 3dB bandwidth of each induvial SLED.

7. The ISB2 – Integrated Spectral Bench uses a Dual Stage Isolator for back reflection protection. Isolators are used to protect a source from back reflections or signals that may occur after the isolator. Back reflections can damage a laser source or cause it to amplitude modulate, or frequency shift. In high-power applications, back reflections can cause instabilities and power spikes. Luxmux does not bear responsibility for laser power damage that is attributed to hot spots in the beam.

8. BeST-SLED® FWHM is defined as the bandwidth from the lowest spectral dip, when all the SLEDs are on.

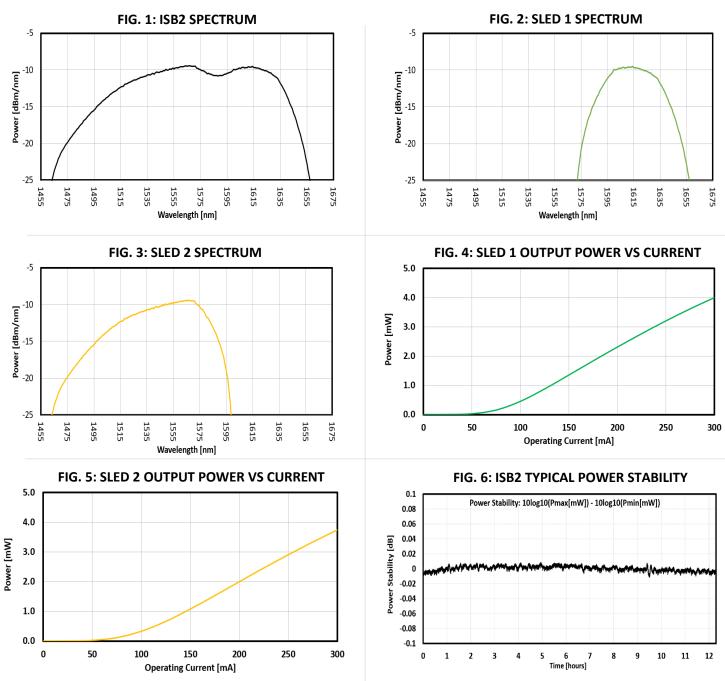
9. *Resolution of 0.1nm. Figure of merit does not include dips between SLEDs.*

10. Degree of Polarization is defined as the ratio of optical powers of perpendicular polarizations, expressed in percentage (%).

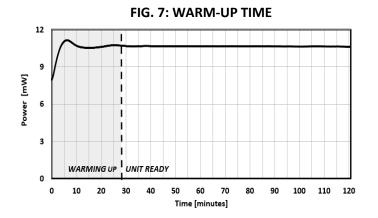
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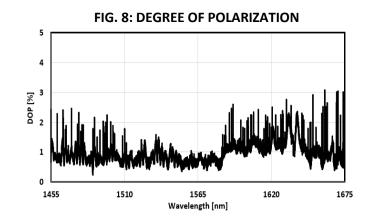


F. PLOTS - Test performed at T_{OP} =25°C and T_{TEC} =21°C



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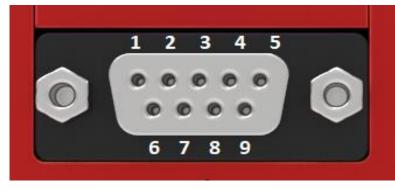


G. CONNECTORS



Item	Description
Α	FC/APC Connector (Optional: FC/PC, SMA)
В	Power Barrel Connector Jack 2.00mm ID, 5.50mm OD, 9.5 mm Length. Center Positive $\bigcirc - \bigodot \odot$
	Input: AC 100-240V Output: 12V 5V min
С	USB 2.0 Type B
D	RJ45 for MODBUS TCP/IP Communication
E	D-SUB 9 Positions for RS-232 Communication
F	Switches to change between PC Mode - Manual Mode and to turn SLED on when operating in
	Manual Mode

H. D-SUB CONNECTOR PIN OUT



Pin #	Function RS-232
1	Not used
2	Тх
3	Rx
4	Not used
5	GND
6	Not used
7	Not used
8	Not used
9	Not used

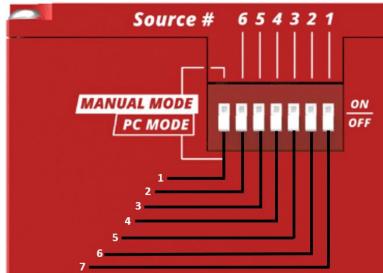
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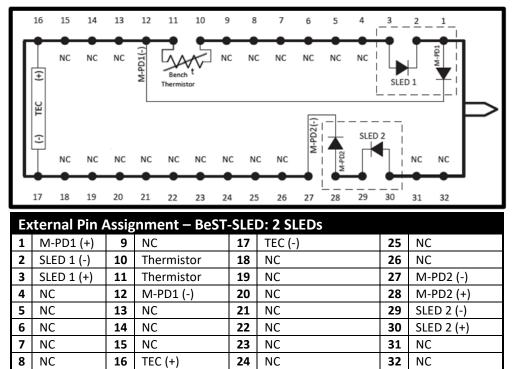


I. MANUAL CONTROL



Pin #	UP	DOWN
1	Light Source in Manual Mode	Light Source in PC Mode
2	N/A	N/A
3	N/A	N/A
4	N/A	N/A
5	N/A	N/A
6	SLED 2 ON	SLED 2 OFF
7	SLED 1 ON	SLED 1 OFF

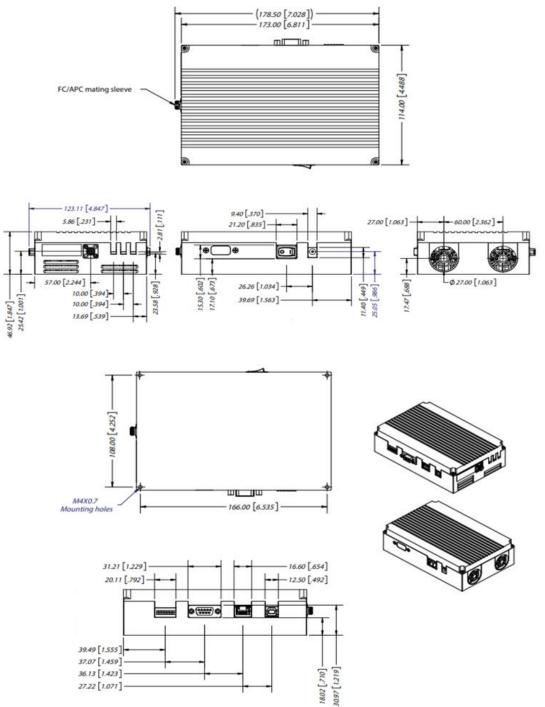
J. OSE2 32-PIN BUTTERFLY PACKAGE PIN OUT



#LTC-ISB2-1550_1615-SM-LP-1530_1630-100-1580-10_DS_2021_08_05

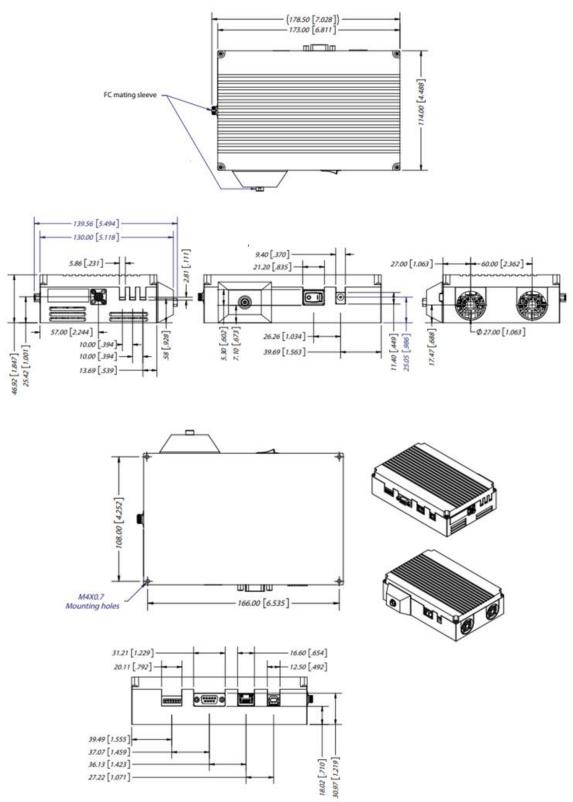


K. MECHANICAL DIAGRAM – LOW DOP ISB2



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L. MECHANICAL DIAGRAM – LOW DOP ISB2 WITH POWER METER



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M. SAFETY

All statements regarding safety of operation and technical data will only apply when the unit is operated correctly.

The driver must not be operated in environments susceptible to explosion hazards. Do not obstruct the air ventilation slots. If any parts of the driver, or electronics are broken or exposed, contact Luxmux technical support and do not attempt to operate the unit.

The BeST-SLED[®] Integrated Spectral Bench (ISB2) is a Class 1M laser product. It is safe for all conditions of use except when passed through magnifying optics such as microscopes and telescopes. It produces a beam that is divergent. If light is re-focused use protective eye wear.

N. APPLICATION PROTOCOL INTERFACE (API)

Luxmux's driver utilizes the MODBUS Protocol for communications. Users can find numerous detailed specifications for the protocol on the internet. MODBUS is used widely in industrial applications. The driver is designed to use this protocol over all of its communication interfaces, MODBUS – RTU is a master/slave protocol and is employed by the USB or RS232 port, and MODBUS - TCP/IP is a client/server protocol and is employed by the Ethernet Interface.

The MODBUS specification has outlined how a user can adapt the overall packet structure to suit each interface requirement. The primary section of a MODBUS packet is known as the Protocol Data Unit (PDU) and it is independent of the underlying communication interface. The PDU includes additional byte fields for the MODBUS transaction per the Application Data Unit (ADU).

A high-level overview of MODBUS Protocol can be found on the BeST-SLED[®] Integrated Spectral Bench User Manual. If users want to develop their own API, the ISB2 Register Map is available upon request. Please contact technical support: techsupport@luxmux.com.

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O. ORDERING CODE

ORDERIN	IG CODE:	LTC	ISB2	SLEDs	FT	DOP	sc	FW	м	cw	LOP			
LTC	Luxmux Technology Corporation	μ											oduct Cod	
ISB2	Best-SLED® Optical Spectral Engine G2	<u> </u>											/ailable Op ken From ⁻	
SLEDs	SLED center wavelength, choose from one of the models in the table 1300nm, 1340nm, 1390nm,													
	1430nm, 1480nm, 1550nm, 1615nm, 1680nm [choose up to 6]													
	Fiber Type, choose 1:]												
FT	PM: Polarization Maintaining SM: Single Mode FS: Free Space													
	Degree of Polarization	1												
DOP	LP: Low Degree of Polarization HP: High Degree of Polarization	<u> </u>												
SC	Spectral Coverage [nm]	<u> </u>												
	Full Width Half Maximum [nm]	1												
FWHM	[FWHM defined as the bandwidth from the lowest spectral dip]													
cw	Center Wavelength [nm]	<u> </u>												
LOP	Light Output Power [mW]	<u> </u>												
LOP Part Number	Light Output Power [mW] Ordering Code: LTC-ISB2-(SLEI	 DS)-(FT)-(DOP)-(SC)-(FWHM)-(CW)	-(LOP)	SLE	EDs [nm]				FT	SC [nm]	FWHM [nm]	CW [nm]	LOP [mW]
				-(LOP)		E Ds [nm]				FT PM	SC [nm] 1575 - 1725		CW [nm] 1650	
Part Number	Ordering Code: LTC-ISB2-(SLEI	5_1725-15	50-1650-12	-(LOP)	161		515					150		[mW]
Part Number ASM000501	Ordering Code: LTC-ISB2-(SLEI	5_1725-15 IP-1435_1	50-1650-12 640-205-1538-18	-(LOP)	161	15, 1680				PM	1575 - 1725	150	1650	[mW]
Part Number ASM000501 ASM000502	Ordering Code: LTC-ISB2-(SLEI LTC-ISB2-1615_1680-PM-HP-157 LTC-ISB2-1480_1550_1615-PM-H	5_1725-1 IP-1435_1 IP-1310_1	50-1650-12 640-205-1538-18 465-155-1388-20	-(LOP)	161 148 134	15, 1680 80, 1550, 10	130	0		PM PM	1575 - 1725 1435 - 1640	150 205 155	1650 1538	[mW] 12 18
Part Number ASM000501 ASM000502 ASM000503	Ordering Code: LTC-ISB2-(SLEI LTC-ISB2-1615_1680-PM-HP-157 LTC-ISB2-1480_1550_1615-PM-H LTC-ISB2-1340_1390_1430-PM-H	5_1725-1 IP-1435_1 IP-1310_1 I-PM-HP-1	50-1650-12 640-205-1538-18 465-155-1388-20 265_1465-200-1365-25	-(LOP)	161 148 134	15, 1680 30, 1550, 10 40, 1390, 14	430 390, 1430			PM PM PM	1575 - 1725 1435 - 1640 1310 - 1465	150 205 155 200	1650 1538 1388	[mW] 12 18 20
Part Number ASM000501 ASM000502 ASM000503 ASM000504	Ordering Code: LTC-ISB2-(SLEI LTC-ISB2-1615_1680-PM-HP-157 LTC-ISB2-1480_1550_1615-PM-+ LTC-ISB2-1340_1390_1430-PM-+ LTC-ISB2-1300_1340_1390_1430	5_1725-1 IP-1435_1 IP-1310_1 IP-PM-HP-1	50-1650-12 640-205-1538-18 465-155-1388-20 265_1465-200-1365-25 435_1725-290-1580-25	-{LOP}	161 148 134 130 148	15, 1680 80, 1550, 1 40, 1390, 1 90, 1340, 1	430 390, 1430 515, 1680	0		PM PM PM PM	1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465	150 205 155 200 290	1650 1538 1388 1365	[mW] 12 18 20 25
Part Number ASM000501 ASM000502 ASM000503 ASM000504 ASM000505	Ordering Code: LTC-ISB2-(SLEI LTC-ISB2-1615_1680-PM-HP-157 LTC-ISB2-1480_1550_1615-PM-H LTC-ISB2-1340_1390_1430-PM-H LTC-ISB2-1340_1390_1430_1390_1430 LTC-ISB2-1480_1550_1615_1680	5_1725-1 IP-1435_1 IP-1310_1 I-PM-HP-1 I-PM-HP-1 0_1480-PM	50-1650-12 640-205-1538-18 465-155-1388-20 265_1465-200-1365-25 435_1725-290-1580-25 +HP1265_1500-235-1383-35		161 148 134 130 148 130 134	15, 1680 30, 1550, 10 40, 1390, 14 00, 1340, 13 30, 1550, 10 00, 1340, 13 10, 1390, 14	430 390, 1430 515, 1680 390, 1430 430, 1480	0 0, 1480 0, 1550		PM PM PM PM PM	1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725	150 205 155 200 290 235	1650 1538 1388 1365 1580	[mW] 12 18 20 25 25 25
Part Number ASM000501 ASM000502 ASM000503 ASM000504 ASM000505 ASM000505 ASM000505	Ordering Code: LTC-ISB2-(SLEI LTC-ISB2-1615_1680-PM-HP-157 LTC-ISB2-1480_1550_1615-PM-+ LTC-ISB2-1340_1390_1430-PM-+ LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1480_1550_1615_1680 LTC-ISB2-1300_1340_1390_1430	5_1725-1 IP-1435_1 IP-1310_1 IP-PM-HP-1 I-PM-HP-1 0_1480-PM 0_1550-PM	50-1650-12 640-205-1538-18 465-155-1388-20 265_1465-200-1365-25 435_1725-290-1580-25 H-HP1265_1500-235-1383-35 H-HP1205_1605-300-1455-33		161 148 134 130 148 130 134	15, 1680 30, 1550, 11 30, 1390, 14 30, 1340, 13 30, 1550, 14 30, 1340, 13 40, 1390, 14 30, 1390, 14	430 390, 1430 515, 1680 390, 1430 430, 1480	0 0, 1480 0, 1550		PM PM PM PM PM PM	1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725 1265 - 1500	150 205 155 200 290 235 300	1650 1538 1388 1365 1580 1383	[mW] 12 18 20 25 25 25 35
Part Number ASM000501 ASM000502 ASM000503 ASM000503 ASM000504 ASM000505 ASM000506 ASM000507	Ordering Code: LTC-ISB2-(SLEI LTC-ISB2-1615_1680-PM-HP-157 LTC-ISB2-1480_1550_1615-PM-H LTC-ISB2-1340_1390_1430-PM-H LTC-ISB2-1340_1390_1430 LTC-ISB2-1340_1550_1615_1680 LTC-ISB2-1340_1340_1340_1430 LTC-ISB2-1340_1390_1430_1480	5_1725-1 IP-1435_1 IP-1310_1 I-PM-HP-1 I-PM-HP-1 I_1480-PM I_1550-PM I_1615_16	50-1650-12 640-205-1538-18 465-155-1388-20 265_1465-200-1365-25 435_1725-290-1580-25 HP1265_1500-235-1383-35 HP-1305_1605-300-1455-33 80-PM-HP-1265_1725-460-1		161 148 134 130 148 130 148 130 134 133 168	15, 1680 30, 1550, 11 30, 1390, 14 30, 1340, 13 30, 1550, 14 30, 1340, 13 40, 1390, 14 30, 1390, 14	430 390, 1430 515, 1680 390, 1430 430, 1480	0 0, 1480 0, 1550		PM PM PM PM PM PM PM	1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725 1265 - 1500 1305 - 1605	150 205 155 200 290 235 300 460	1650 1538 1388 1365 1580 1383 1455	[mW] 12 18 20 25 25 35 35 35
Part Number ASM000501 ASM000502 ASM000503 ASM000503 ASM000504 ASM000505 ASM000505 ASM000507 ASM000508	Ordering Code: LTC-ISB2-(SLEI LTC-ISB2-1615_1680-PM-HP-157 LTC-ISB2-1480_1550_1615-PM-H LTC-ISB2-1340_1390_1430-PM-H LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1390_1430_1480 LTC-ISB2-1300_1390_1430_1480	5_1725-1 IP-1435_1 IP-1310_1 IP-M-HP-1 I-PM-HP-1 I-1480-PM I_1550-PM I_1550-PM I_1615_16 5_1605-1 I	50-1650-12 640-205-1538-18 465-155-1388-20 265_1465-200-1365-25 435_1725-290-1580-25 H-HP1265_1500-235-1383-35 H-HP-1305_1605-300-1455-33 80-PM-HP-1265_1725-460-1 70-1520-12	5 495-40	161 148 134 136 148 130 134 130 134 136 168	15, 1680 30, 1550, 11 10, 1390, 1 30, 1340, 1 30, 1550, 11 30, 1340, 1 30, 1390, 1 30, 1390, 1 30, 1390, 1 30, 1550 40, 1390, 1 40, 100, 100, 100, 100, 100, 100, 100, 1	430 390, 1430 515, 1680 390, 1430 430, 1430 480, 1550	0 0, 1480 0, 1550 0, 1615,		PM PM PM PM PM PM PM PM	1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725 1265 - 1500 1305 - 1605 1265 - 1725	150 205 155 200 290 235 300 460 170	1650 1538 1388 1365 1580 1383 1455 1495	[mW] 12 18 20 25 25 35 35 35 40
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Part Number ASM000501 ASM000502 ASM000503 ASM000503 ASM000504 ASM000505 ASM000505 ASM000507 ASM000508 ASM000509 ASM000510	Ordering Code: LTC-ISB2-(SLEI LTC-ISB2-1615_1680-PM-HP-157 LTC-ISB2-1480_1550_1615-PM-H LTC-ISB2-1340_1390_1430-PM-H LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1390_1430_1480 LTC-ISB2-1340_1390_1430_1480 LTC-ISB2-1340_1390_1430_1480 LTC-ISB2-1340_1390_1430_1480	5_1725-1: IP-1435_1 IP-1435_1 IP-1310_1 IP-PM-HP-1 I-PM-HP-1 I-1480-PM I-1480-PM I-1455-16 I-1550_16 I-1550_16 I-1550_16 I-1550_16 IP-1410_1	50-1650-12 640-205-1538-18 465-155-1388-20 265_1465-200-1365-25 435_1725-290-1580-25 H-HP1265_1500-235-1383-35 H-HP-1305_1605-300-1455-39 880-PM-HP-1265_1725-460-1 70-1520-12 15-PM-HP-1310_1640-330-1 50-PM-HP-1265_1605-340-1 605-195-1508-19	5 495-40 475-38	167 148 134 130 148 130 134 130 156 148 134 155 143	15, 1680 30, 1550, 11 40, 1390, 1- 30, 1340, 1: 30, 1550, 11 30, 1340, 1: 30, 1390, 1- 30, 1390, 1- 30, 1550 10, 1390, 1- 15 30, 1340, 1: 30	130 390, 1430 515, 1680 390, 1430 1430, 1480 1430, 1550 1430, 1480 390, 1430	0 0, 1480 0, 1550 0, 1615, 0, 1550,		PM PM PM PM PM PM PM PM PM PM	1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725 1265 - 1500 1305 - 1605 1265 - 1725 1435 - 1605 1310 - 1640 1265 - 1605	150 205 155 200 290 235 300 460 170 330 340 195	1650 1538 1388 1365 1580 1383 1455 1495 1520 1475 1435	[mW] 12 18 20 25 35 35 40 12 38 40
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Part Number ASM000501 ASM000502 ASM000503 ASM000503 ASM000504 ASM000505 ASM000505 ASM000506 ASM000507 ASM000508 ASM000509 ASM000510 ASM000511 ASM000512 ASM000513 ASM000514 ASM000514	Ordering Code: LTC-ISB2-(SLEI LTC-ISB2-1615_1680-PM-HP-157 LTC-ISB2-1480_1550_1615-PM-H LTC-ISB2-1340_1390_1430-PM-H LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1390_1430_1480 LTC-ISB2-1300_1390_1480_1550 LTC-ISB2-1300_1390_1430_1480 LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1340_1390_PM-H LTC-ISB2-1300_1340_1390-PM-H LTC-ISB2-1300_1430_1480-PM-H LTC-ISB2-1300_1430_1480-PM-H	5_1725-19 IP-1435_1 IP-1435_1 IP-1310_1 IP-M-HP-1 _1480-PN _1550-PN 0_1615_16 5_1605-13 _1550_16 0_1480_15 IP-1410_1 IP-1265_1 IP-1355_1 IP-1515_1 5_1365-10	50-1650-12 640-205-1538-18 465-155-1388-20 265_1465-200-1365-25 435_1725-290-1580-25 H+P1265_1500-235-1383-35 H+P-1305_1605-300-1455-31 80-PM-HP-1305_1725-460-1 70-1520-12 15-PM-HP-1310_1640-330-1 50-PM-HP-1310_1640-330-1 50-PM-HP-1310_1640-330-1 50-PM-HP-1310_1640-330-1 50-PM-HP-1310_1640-330-1 50-PM-HP-1310_1640-330-1 50-PM-HP-1310_1640-330-1 50-155-1508-19 420-155-1343-20 500-145-1428-19 725-210-1620-18 00-1315-12	5 495-40 475-38	165 144 132 133 134 133 134 133 134 133 135 144 133 135 135 135 135	15, 1680 30, 1550, 11 30, 1390, 1 30, 1340, 1 30, 1340, 1 30, 1350, 1 30, 1340, 1 30, 1390, 1 30, 1390, 1 30, 1390, 1 30, 1340, 1 30, 1480, 1 30, 1430, 1 30, 1430, 1 30, 1410, 1 30, 1410	430 4390, 1434 430, 1434 430, 1434 430, 1484 430, 1484 480, 1484 480, 1484 480, 1484 480, 1484 480, 1484 480,	0 0, 1480 0, 1550 0, 1615, 0, 1550,		PM PM PM PM PM PM PM PM PM PM PM PM	1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725 1265 - 1500 1305 - 1605 1310 - 1640 1265 - 1605 1410 - 1605 1265 - 1420 1355 - 1500	150 205 155 200 290 235 300 460 170 330 340 195 155 210 100	1650 1538 1388 1365 1580 1383 1455 1495 1520 1475 1435 1435 1435 1435 1500 1445 1600	[mWJ] 12 18 20 25 25 35 35 40 12 38 40 19 20 20 19
Part Number ASM000501 ASM000502 ASM000503 ASM000503 ASM000504 ASM000505 ASM000506 ASM000507 ASM000508 ASM000509 ASM000509 ASM000510 ASM000511 ASM000512 ASM000513 ASM000514 ASM000515 ASM000515 ASM000515	Ordering Code: LTC-ISB2-(SLEI LTC-ISB2-1615_1680-PM-HP-157 LTC-ISB2-1480_1550_1615-PM-+ LTC-ISB2-1340_1390_1430-PM-+ LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1390_1480_1550 LTC-ISB2-1300_1390_1430_1480 LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1340_1390_PM-+ LTC-ISB2-1300_1340_1390-PM-+ LTC-ISB2-1300_1340_1390-PM-+ LTC-ISB2-1300_1340_1390-PM-+ LTC-ISB2-1300_1340_1390-PM-+ LTC-ISB2-1300_1340_1390-PM-+ LTC-ISB2-1300_1340_1390-PM-+ LTC-ISB2-1300_1340_1390-PM-+ LTC-ISB2-1300_1340_1390-PM-+ PLTC-ISB2-1300_1340-PM-+PL26	5_1725-19 IP-1435_1 IP-1435_1 IP-1310_1 IP-1410_1 IP-1480-PN 0_1550-PN 0_1615_16 5_1605-13 0_1480_15 0_1480_15 IP-1410_1 IP-1265_1 IP-1355_1 IP-1515_1 5_1365-10 IP-1340_1	50-1650-12 640-205-1538-18 465-155-1388-20 265_1465-200-1365-25 435_1725-290-1580-25 H-HP1265_1500-235-1383-35 H-HP1305_1605-300-1455-38 80-PM-HP-1265_1725-460-1 70-1520-12 15-PM-HP-1310_1640-330-1 50-PM-HP-1265_1605-340-1 605-195-1508-19 420-155-1343-20 500-145-1428-19 725-210-1620-18 500-1315-12 610-270-1475-20	5 495-40 475-38	165 144 132 133 144 133 144 133 165 145 145 145 133 155 145 135 135 135 135 135 135 135 13	15, 1680 30, 1550, 11 30, 1550, 11 30, 1340, 11 30, 1340, 11 30, 1350, 14 30, 1390, 14 30, 1390, 14 30, 1390, 14 30, 1390, 14 30, 1430, 11 30, 1340, 11 30, 1340, 11 30, 1340, 11 30, 1340	430 4390, 1434 515, 1686 4390, 1434 430, 1434 430, 1484 430, 1484 430, 1484 430, 1484 430, 1484 430,	0 0, 1480 0, 1550 0, 1615, 0, 1550,		PM PM PM PM PM PM PM PM PM PM PM PM PM	1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725 1265 - 1500 1305 - 1605 1265 - 1725 1310 - 1640 1265 - 1605 1410 - 1605 1265 - 1420 1355 - 1500 1515 - 1725 1265 - 1355	150 205 155 200 290 235 300 460 170 330 340 195 155 210 100 270	1650 1538 1388 1365 1580 1383 1455 1495 1520 1475 1435 1435 1435 1435 1435 1435 1435 1435 1435 1435 1435 1435 1508 1343 1428 1620 1315	[mWJ] 12 18 20 25 35 35 35 40 12 38 40 19 20 19 18 18
Part Number ASM000501 ASM000502 ASM000503 ASM000503 ASM000504 ASM000505 ASM000505 ASM000507 ASM000508 ASM000509 ASM000509 ASM000510 ASM000511 ASM000512 ASM000513 ASM000514 ASM000515 ASM000515 ASM000515 ASM000515	Ordering Code: LTC-ISB2-(SLEI LTC-ISB2-1615_1680-PM-HP-157 LTC-ISB2-1480_1550_1615-PM-H LTC-ISB2-1340_1390_1430-PM-H LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1390_1480_1550 LTC-ISB2-1300_1390_1430_1480 LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1340_1390_1430 LTC-ISB2-1300_1340_1390_PM-H LTC-ISB2-1300_1340_1390-PM-H LTC-ISB2-1300_1340_1390-PM-H LTC-ISB2-1300_1340_1390-PM-H LTC-ISB2-1300_1340_1390-PM-H LTC-ISB2-1300_1340_PM-H LTC-ISB2-1300_1340-PM-HP-126 LTC-ISB2-1300_1340-PM-HP-126	5_1725-19 IP-1435_1 IP-1435_1 IP-1435_1 IP-1430_1 P-PM-HP-1 J_1480-PN J_1550-PN J_1550-16 J_1550_16 J_1480_15 IP-1410_1 IP-1265_1 IP-1340_1 IP-1340_1 IP-1326_1	50-1650-12 640-205-1538-18 465-155-1388-20 265_1465-200-1365-25 435_1725-290-1580-25 H+P1265_1500-235-1383-35 H+P-1305_1605-300-1455-39 80-PM-HP-1265_1725-460-1 70-1520-12 15-PM-HP-1310_1640-330-1 50-PM-HP-1265_1605-340-1 605-195-1508-19 420-155-1343-20 500-145-1428-19 725-210-1620-18 20-1315-12 610-270-1475-20 500-235-1383-20	5 495-40 475-38 435-40	161 148 134 136 148 136 136 136 148 136 136 136 136 136 135 136 136 136 136 136 136 136 136 136 136	15, 1680 30, 1550, 11 30, 1550, 11 30, 1550, 11 30, 1340, 11 30, 1550, 11 30, 1550, 11 30, 1550, 12 30, 1550, 13 30, 1550, 14 30, 1550, 15 30, 1550, 16 30, 1550, 16 30, 1550, 1300, 1300, 15 30, 1340, 11 30, 1340, 12 30, 1340, 13 30, 1340, 14 30, 1480, 14 30, 1430, 14 30, 1430, 14 30, 1430, 14 30, 1430, 14 30, 1430, 14	430 4390, 1434 439, 1434 430, 1444 430, 1444 440, 1444 440, 1444 440, 1444 440, 1444 440, 1444 440, 1444 440, 1444 440, 1444 440, 1444 440, 1444 440, 1444 440, 1444 440, 1444 440, 1444 440, 1444 440, 1444 440, 1444 440, 1444 440,	0 0,1480 0,1550 0,1550,1550,0,1480,		PM PM PM PM PM PM PM PM PM PM PM PM PM P	1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725 1265 - 1500 1305 - 1605 1265 - 1725 1435 - 1605 1310 - 1640 1265 - 1605 1265 - 1420 1355 - 1500 1515 - 1725 1265 - 1365 1340 - 1610	150 205 155 200 290 235 300 460 170 330 340 195 155 145 210 100 270 235	1650 1538 1388 1365 1580 1383 1455 1495 1520 1475 1435 1435 1508 1343 1428 1620 1315 1475	[mwy] 12 18 20 25 35 35 40 12 38 40 19 200 19 12

#LTC-ISB2-1550_1615-SM-LP-1530_1630-100-1580-10_DS_2021_08_05



Part Number	Ordering Code: LTC-ISB2-(SLEDS)-(FT)-(DOP)-(SC)-(FWHM)-(CW)-(LOP)	SLEDs [nm]	FT	SC [nm]	FWHM [nm]	CW [nm]	LOP [mW]
ASM000601	LTC-ISB2-1615_1680-SM-HP-1575_1725-150-1650-12	1615, 1680	SM	1575 - 1725	150	1650	12
ASM000602	LTC-ISB2 -1480_1550_1615-SM-HP-1435_1640-205-1538-18	1480, 1550, 1615	SM	1435 - 1640	205	1538	18
ASM000603	LTC-ISB2-1340_1390_1430-SM-HP-1310_1465-155-1388-20	1340, 1390, 1430	SM	1310 - 1465	155	1388	20
ASM000604	LTC-ISB2-1300_1340_1390_1430-SM-HP-1265_1465-200-1365-25	1300, 1340, 1390, 1430	SM	1265 - 1465	200	1365	25
ASM000605	LTC-ISB2-1480_1550_1615_1680-SM-HP-1435_1725-290-1580-25	1480, 1550, 1615, 1680	SM	1435 - 1725	290	1580	25
ASM000606	LTC-ISB2-1300_1340_1390_1430_1480-SM-HP-1265_1500-235-1383-35	1300, 1340, 1390, 1430, 1480	SM	1265 - 1500	235	1383	35
ASM000607	LTC-ISB2-1340_1390_1430_1480_1550-SM-HP-1305_1605-300-1455-35	1340, 1390, 1430, 1480, 1550	SM	1305 - 1605	300	1455	35
ASM000608	LTC-ISB2-1300_1390_1480_1550_1615_1680-SM-HP-1265_1725-460-1495-40	1300, 1390, 1480, 1550, 1615, 1680	SM	1265 - 1725	460	1495	40
ASM000609	LTC-ISB2-1480_1550-SM-HP-1435_1605-170-1520-12	1480, 1550	SM	1435 - 1605	170	1520	12
ASM000610	LTC-ISB2-1340_1390_1430_1480_1550_1615-SM-HP-1310_1640-330-1475-38	1340, 1390, 1430, 1480, 1550, 1615	SM	1310 - 1640	330	1475	38
ASM000611	LTC-ISB2-1300_1340_1390_1430_1480_1550-SM-HP-1265_1605-340-1435-40	1300, 1340, 1390, 1430, 1480, 1550	SM	1265 - 1605	340	1435	40
ASM000612	LTC-ISB2-1430_1480_1550-SM-HP-1410_1605-195-1508-19	1430, 1480, 1550	SM	1410 - 1605	195	1508	19
ASM000613	LTC-ISB2-1300_1340_1390-SM-HP-1265_1420-155-1343-20	1300, 1340, 1390	SM	1265 - 1420	155	1343	20
ASM000614	LTC-ISB2-1390_1430_1480-SM-HP-1355_1500-145-1428-19	1390, 1430, 1480	SM	1355 - 1500	145	1428	19
ASM000615	LTC-ISB2-1550_1615_1680-SM-HP-1515_1725-210-1620-18	1550, 1615, 1680	SM	1515 - 1725	210	1620	18
ASM000616	LTC-ISB2-1300_1340-SM-HP-1265_1365-100-1315-12	1300, 1340	SM	1265 - 1365	100	1315	12
ASM000617	LTC-ISB2-1390_1480_1550-SM-HP-1340_1610-270-1475-20	1390, 1480, 1550	SM	1340 - 1610	270	1475	20
ASM000618	LTC-ISB2-1300_1390_1480-SM-HP-1265_1500-235-1383-20	1300, 1390, 1480	SM	1265 - 1500	235	1383	20
ASM000619	LTC-ISB2-1390_1480_1550_1615_1680-SM-HP-1340_1725-385-1533-32	1390, 1480, 1550, 1615, 1680	SM	1340 - 1725	385	1533	32
ASM000620	LTC-ISB2-1550_1615-SM-HP-1530_1630-100-1580-10	1550, 1615	SM	1530 - 1630	100	1580	10
ASM000620 Part Number	LTC-ISB2-1550_1615-SM-HP-1530_1630-100-1580-10 Ordering Code: LTC-ISB2-(SLEDS)-(FT)-(DOP)-(SC)-(FWHM)-(CW)-(LOP)	1550, 1615 SLEDs [nm]	SM FT	1530 – 1630 SC [nm]	100 FWHM [nm]		10 LOP [mW]
							LOP
Part Number	Ordering Code: LTC-ISB2-{SLEDS}-{FT}-{DOP}-{SC}-{FWHM}-{CW}-{LOP}	SLEDs [nm]	FT	SC [nm]	FWHM [nm]	CW [nm]	LOP [mW]
Part Number ASM000701	Ordering Code: LTC-ISB2-{SLEDS}-{FT}-{DOP}-{SC}-{FWHM}-{CW}-{LOP} LTC-ISB2-1615_1680-SM-LP-1575_1725-150-1650-12	SLEDs [nm] 1615, 1680	FT SM	SC [nm]	FWHM [nm]	CW [nm] 1650	LOP [mW] 12
Part Number ASM000701 ASM000702	Ordering Code: LTC-ISB2-{SLEDS}-{FT}-{DOP}-{SC}-{FWHM}-{CW}-{LOP} LTC-ISB2-1615_1680-SM-LP-1575_1725-150-1650-12 LTC-ISB2-1480_1550_1615-SM-LP-1435_1640-205-1538-18	SLEDs [nm] 1615, 1680 1480, 1550, 1615	FT SM SM	SC [nm] 1575 - 1725 1435 - 1640	FWHM [nm] 150 205	CW [nm] 1650 1538	LOP [mW] 12 18
Part Number ASM000701 ASM000702 ASM000703	Ordering Code: LTC-ISB2-(SLEDS)-(FT)-(DOP)-(SC)-(FWHM)-(CW)-(LOP) LTC-ISB2-1615_1680-SM-LP-1575_1725-150-1650-12 LTC-ISB2 -1480_1550_1615-SM-LP-1435_1640-205-1538-18 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20	SLEDs [nm] 1615, 1680 1480, 1550, 1615 1340, 1390, 1430	FT SM SM SM	SC [nm] 1575 - 1725 1435 - 1640 1310 - 1465	FWHM [nm] 150 205 155	CW [nm] 1650 1538 1388	LOP [mW] 12 18 20
Part Number ASM000701 ASM000702 ASM000703 ASM000704	Ordering Code: LTC-ISB2-(SLEDS)-(FT)-(DOP)-(SC)-(FWHM)-(CW)-(LOP) LTC-ISB2-1615_1680-SM-LP-1575_1725-150-1650-12 LTC-ISB2-1480_1550_1615-SM-LP-1435_1640-205-1538-18 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20 LTC-ISB2-1300_1340_1390_1430-SM-LP-1265_1465-200-1365-25	SLEDs [nm] 1615, 1680 1480, 1550, 1615 1340, 1390, 1430 1300, 1340, 1390, 1430	FT SM SM SM SM	SC [nm] 1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465	FWHM [nm] 150 205 155 200	CW [nm] 1650 1538 1388 1365	LOP [mW] 12 18 20 25
Part Number ASM000701 ASM000702 ASM000703 ASM000704 ASM000705	Ordering Code: ITC-ISB2-(SLEDS)-(FT)-(DOP)-(SC)-(FWHM)-(CW)-(LOP) LTC-ISB2-1615_1680-SM-LP-1575_1725-150-1650-12 LTC-ISB2-1480_1550_1615-SM-LP-1435_1640-205-1538-18 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20 LTC-ISB2-1340_1390_1430-SM-LP-1265_1465-200-1365-25 LTC-ISB2-1340_1390_1430-SM-LP-1265_1465-200-1365-25 LTC-ISB2-1480_1550_1615_1680-SM-LP-1435_1725-290-1580-25	SLEDs [nm] 1615, 1680 1480, 1550, 1615 1340, 1390, 1430 1300, 1340, 1390, 1430 1480, 1550, 1615, 1680	FT SM SM SM SM SM	SC [nm] 1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725	FWHM [nm] 150 205 155 200 290	CW [nm] 1650 1538 1388 1365 1580	LOP [mW] 12 18 20 25 25
Part Number ASM000701 ASM000702 ASM000703 ASM000704 ASM000705 ASM000706 ASM000706	Ordering Code: LTC-ISB2-(SLEDS)-(FT)-(DOP)-(SC)-(FWHM)-(CW)-(LOP) LTC-ISB2-1615_1680-SM-LP-1575_1725-150-1650-12 LTC-ISB2-1480_1550_1615-SM-LP-1435_1640-205-1538-18 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20 LTC-ISB2-1300_1340_1390_1430-SM-LP-1265_1465-200-1365-25 LTC-ISB2-1480_1550_1615_1680-SM-LP-1435_1725-290-1580-25 LTC-ISB2-1300_1340_1390_1430_1480-SM-LP-1265_1500-235-1383-35	SLEDs [nm] 1615, 1680 1480, 1550, 1615 1340, 1390, 1430 1300, 1340, 1390, 1430 1480, 1550, 1615, 1680 1300, 1340, 1390, 1430, 1480	FT SM SM SM SM SM SM	SC [nm] 1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725 1265 - 1500	FWHM [nm] 150 205 155 200 290 235	CW [nm] 1650 1538 1388 1365 1580 1383	LOP [mW] 12 18 20 25 25 25 35
Part Number ASM000701 ASM000703 ASM000703 ASM000704 ASM000705 ASM000706 ASM000706 ASM000707	Ordering Code: LTC-ISB2-(SLEDS)-(FT)-(DOP)-(SC)-(FWHM)-(CW)-(LOP) LTC-ISB2-1615_1680-SM-LP-1575_1725-150-1650-12 LTC-ISB2-1480_1550_1615-SM-LP-1435_1640-205-1538-18 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20 LTC-ISB2-1300_1340_1390_1430-SM-LP-1265_1465-200-1365-25 LTC-ISB2-1480_1550_1615_1680-SM-LP-1435_1725-290-1580-25 LTC-ISB2-1300_1340_1390_1430_1480-SM-LP-1265_1500-235-1383-35 LTC-ISB2-1340_1390_1430_1480_1550-SM-LP-1305_1605-300-1455-35	SLEDs [nm] 1615, 1680 1480, 1550, 1615 1340, 1390, 1430 1300, 1340, 1390, 1430 1480, 1550, 1615, 1680 1300, 1340, 1390, 1430, 1480 1340, 1390, 1430, 1480	FT SM SM SM SM SM SM SM	SC [nm] 1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725 1265 - 1500 1305 - 1605	FWHM [nm] 150 205 155 200 290 235 300	CW [nm] 1650 1538 1388 1365 1580 1383 1455	LOP [mW] 12 18 20 25 25 35 35
Part Number ASM000701 ASM000703 ASM000703 ASM000704 ASM000705 ASM000706 ASM000707 ASM000708 ASM000708 ASM000708 ASM000708 ASM000708 ASM000708 ASM000708 ASM000708	Ordering Code: LTC-ISB2-(SLEDS)-(FT)-(DOP)-(SC)-(FWHM)-(CW)-(LOP) LTC-ISB2-1615_1680-SM-LP-1575_1725-150-1650-12 LTC-ISB2-1480_1550_1615-SM-LP-1435_1640-205-1538-18 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20 LTC-ISB2-1300_1340_1390_1430-SM-LP-1265_1465-200-1365-25 LTC-ISB2-1300_1340_1390_1430_SM-LP-1265_1465-200-1365-25 LTC-ISB2-1300_1340_1390_1430_1480-SM-LP-1265_1500-235-1383-35 LTC-ISB2-1300_1340_1390_1430_1480_SM-LP-1265_1500-235-1383-35 LTC-ISB2-1300_1390_1430_1480_1550-SM-LP-1305_1605-300-1455-35 LTC-ISB2-1300_1390_1430_1480_1550_1615_1680-SM-LP-1265_1725-460-1495-40	SLEDs [nm] 1615, 1680 1480, 1550, 1615 1340, 1390, 1430 1300, 1340, 1390, 1430 1480, 1550, 1615, 1680 1300, 1340, 1390, 1430, 1480 1300, 1340, 1390, 1430, 1480 1300, 1390, 1430, 1480, 1550 1300, 1390, 1480, 1550, 1615, 1680	FT SM SM SM SM SM SM SM SM	SC [nm] 1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725 1265 - 1500 1305 - 1605 1265 - 1725	FWHM [nm] 150 205 155 200 290 235 300 460	CW [nm] 1650 1538 1388 1365 1580 1383 1455 1495	LOP [mW] 12 18 20 25 25 35 35 35
Part Number ASM000701 ASM000702 ASM000703 ASM000704 ASM000705 ASM000704 ASM000705 ASM000706 ASM000708 ASM000708 ASM000708 ASM000708 ASM000708 ASM000708 ASM000708	Ordering Code: LTC-ISB2-(SLEDS)-(FT)-(DOP)-(SC)-(FWHM)-(CW)-(LOP) LTC-ISB2-1615_1680-SM-LP-1575_1725-150-1650-12 LTC-ISB2-1480_1550_1615-SM-LP-1435_1640-205-1538-18 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20 LTC-ISB2-1300_1340_1390_1430-SM-LP-1265_1465-200-1365-25 LTC-ISB2-1300_1340_1390_1430_SM-LP-1265_1500-255 LTC-ISB2-1300_1340_1390_1430_1480-SM-LP-1265_1500-255 LTC-ISB2-1300_1340_1390_1430_1480_SM-LP-1265_1500-235-1383-35 LTC-ISB2-1300_1340_1390_1430_1480_1550-SM-LP-1305_1605-300-1455-35 LTC-ISB2-1300_1390_1430_1480_1550_1615_1680-SM-LP-1265_1725-460-1495-40 LTC-ISB2-1300_1390_1430_1480_1550_1605-170-1520-12	SLEDs [nm] 1615, 1680 1480, 1550, 1615 1340, 1390, 1430 1300, 1340, 1390, 1430 1480, 1550, 1615, 1680 1300, 1340, 1390, 1430, 1480 1300, 1340, 1390, 1430, 1480 1300, 1390, 1430, 1480, 1550 1300, 1390, 1430, 1550, 1615, 1680 1480, 1550	FT SM SM SM SM SM SM SM SM SM	SC [nm] 1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725 1265 - 1500 1305 - 1605 1265 - 1725 1435 - 1605	FWHM [nm] 150 205 155 200 290 235 300 460 170	CW [nm] 1650 1538 1388 1365 1380 1383 1383 1455 1495 1520	LOP [mW] 12 18 20 25 25 35 35 35 40 12
Part Number ASM000701 ASM000702 ASM000703 ASM000704 ASM000705 ASM000706 ASM000707 ASM000708 ASM000708 ASM000709 ASM000709 ASM000709 ASM000709 ASM000709 ASM000709 ASM000709 ASM000709 ASM000709 ASM000709	Ordering Code: LTC-ISB2-(SLEDS)-(FT)-(DOP)-(SC)-(FWHM)-(CW)-(LOP) LTC-ISB2-1615_1680-SM-LP-1575_1725-150-1650-12 LTC-ISB2-1480_1550_1615-SM-LP-1435_1640-205-1538-18 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20 LTC-ISB2-1340_1390_1430-SM-LP-1265_1465-200-1365-25 LTC-ISB2-1340_1390_1430_1480-SM-LP-1265_1725-290-1580-25 LTC-ISB2-1340_1390_1430_1480_SM-LP-1265_1500-235-1383-35 LTC-ISB2-1340_1390_1430_1480_1550_SM-LP-1305_1605-300-1455-35 LTC-ISB2-1340_1390_1430_1480_1550_1615_1680-SM-LP-1265_1725-460-1495-40 LTC-ISB2-1340_1390_1430_1480_1550_1615-SM-LP-1310_1640-330-1475-38	SLEDs [nm] 1615, 1680 1480, 1550, 1615 1340, 1390, 1430 1300, 1340, 1390, 1430 1480, 1550, 1615, 1680 1300, 1340, 1390, 1430, 1480 1300, 1340, 1390, 1430, 1480, 1550 1300, 1390, 1430, 1480, 1550 1300, 1390, 1430, 1480, 1550 1340, 1390, 1430, 1480, 1550, 1615, 1680 1480, 1550 1340, 1390, 1430, 1480, 1550, 1615	FT SM SM SM SM SM SM SM SM SM SM	SC [nm] 1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725 1265 - 1500 1305 - 1605 1265 - 1725 1435 - 1605 1310 - 1640	FWHM [nm] 150 205 155 200 290 235 300 460 170 330	CW [nm] 1650 1538 1388 1365 1363 1363 1363 1455 1495 1520 1520	LOP [mWJ] 12 18 20 25 25 35 35 35 40 12 38
Part Number ASM000701 ASM000702 ASM000703 ASM000704 ASM000705 ASM000705 ASM000706 ASM000707 ASM000708 ASM000709 ASM000709 ASM000709 ASM000709 ASM000709 ASM000709 ASM000709 ASM000710	Ordering Code: LTC-ISB2-(SLEDS)-(FT)-(DOP)-(SC)-(FWHM)-(CW)-(LOP) LTC-ISB2-1615_1680-SM-LP-1575_1725-150-1650-12 LTC-ISB2-1480_1550_1615-SM-LP-1435_1640-205-1538-18 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20 LTC-ISB2-1300_1340_1390_1430-SM-LP-1265_1465-200-1365-25 LTC-ISB2-1300_1340_1390_1430_SM-LP-1265_1500-235-1383-35 LTC-ISB2-1300_1340_1390_1430_1480-SM-LP-1265_1500-235-1383-35 LTC-ISB2-1300_1340_1390_1430_1480_1550-SM-LP-1305_1605-300-1455-35 LTC-ISB2-1300_1390_1430_1480_1550_1615-1680-SM-LP-1265_1725-460-1495-40 LTC-ISB2-1300_1390_1430_1480_1550_1615-SM-LP-1310_1640-330-1475-38 LTC-ISB2-1300_1390_1430_1480_1550_1615-SM-LP-1310_1640-330-1475-38 LTC-ISB2-1300_1390_1430_1480_1550_SM-LP-1310_1640-330-1475-38 LTC-ISB2-1300_1390_1430_1480_1550_SM-LP-1310_1640-330-1475-38	SLEDs [nm] 1615, 1680 1480, 1550, 1615 1340, 1390, 1430 1300, 1340, 1390, 1430 1480, 1550, 1615, 1680 1300, 1340, 1390, 1430, 1480, 1550 1300, 1340, 1390, 1430, 1480, 1550 1300, 1390, 1430, 1550, 1615, 1680 1480, 1550 1300, 1390, 1430, 1480, 1550, 1615, 1680 1480, 1550 1300, 1390, 1430, 1480, 1550, 1615 1300, 1390, 1430, 1480, 1550, 1615 1300, 1390, 1430, 1430, 1430, 1430, 1430, 1550	FT SM SM SM SM SM SM SM SM SM SM SM	SC [nm] 1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725 1265 - 1500 1305 - 1605 1265 - 1725 1435 - 1605 1310 - 1640 1265 - 1605	FWHM [nm] 150 205 155 200 290 235 300 460 170 330 340	CW [nm] 1650 1538 1388 1365 1580 1383 1455 1495 1520 1475 1520	LOP [mWJ] 12 18 20 25 25 35 35 35 35 35 40 12 38 40
Part Number ASM000701 ASM000702 ASM000703 ASM000704 ASM000705 ASM000706 ASM000707 ASM000708 ASM000708 ASM000710 ASM000710 ASM000710 ASM000710 ASM000711	Ordering Code: LTC-ISB2-{SLEDS}-{FT}-{DOP}-{SC}-{FWHM}-{CW}-{LOP} LTC-ISB2-1615_1680-SM-LP-1575_1725-150-1650-12 LTC-ISB2-1480_1550_1615-SM-LP-1435_1640-205-1538-18 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20 LTC-ISB2-1300_1340_1390_1430-SM-LP-1265_1465-200-1365-25 LTC-ISB2-1300_1340_1390_1430_1480-SM-LP-1265_1500-235-1383-35 LTC-ISB2-1300_1340_1390_1430_1480-SM-LP-1265_1500-235-1383-35 LTC-ISB2-1300_1390_1430_1480_1550-SM-LP-1305_1605-300-1455-35 LTC-ISB2-1300_1390_1430_1480_1550_1615_1680-SM-LP-1265_1725-460-1495-40 LTC-ISB2-1430_1390_1430_1480_1550_1615_SM-LP-1310_1640-330-1475-38 LTC-ISB2-1430_1390_1430_1480_1550_1615_SM-LP-1310_1640-330-1475-38 LTC-ISB2-1300_1340_1390_1430_1480_1550-5M-LP-1310_1640-330-1475-38 LTC-ISB2-1300_1340_1390_1430_1480_1550-5M-LP-1310_1640-330-1475-38 LTC-ISB2-1300_1340_1390_1430_1480_1550-SM-LP-1310_1640-330-1475-38 LTC-ISB2-1300_1340_1390_1430_1480_1550-SM-LP-1310_1640-330-1475-38 LTC-ISB2-1300_1340_1390_1430_1480_1550-SM-LP-1310_1640-330-1475-38	SLEDs [nm] 1615, 1680 1480, 1550, 1615 1340, 1390, 1430 1300, 1340, 1390, 1430 1480, 1550, 1615, 1680 1300, 1340, 1390, 1430, 1480 1300, 1340, 1390, 1430, 1480 1300, 1340, 1390, 1430, 1480, 1550 1300, 1390, 1430, 1480, 1550, 1615, 1680 1300, 1390, 1430, 1480, 1550 1300, 1390, 1430, 1480, 1550, 1615, 1680 1480, 1550 1300, 1340, 1390, 1430, 1480, 1550, 1615 1300, 1340, 1390, 1430, 1480, 1550 1300, 1340, 1390, 1430, 1480, 1550 1430, 1480, 1550	FT SM SM SM SM SM SM SM SM SM SM SM SM	SC [nm] 1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725 1265 - 1500 1305 - 1605 1265 - 1725 1435 - 1605 1310 - 1640 1265 - 1605 1410 - 1605	FWHM [nm] 150 205 155 200 290 235 300 460 170 330 340 340	CW [nm] 1650 1538 1388 1365 1380 1383 1455 1495 1520 1475 1520 1475	LOP [mWJ] 12 18 20 25 35 35 35 35 40 12 38 40 12 38 40 12
Part Number ASM000701 ASM000702 ASM000703 ASM000704 ASM000705 ASM000706 ASM000707 ASM000708 ASM000709 ASM000710 ASM000711 ASM000712	Ordering Code: LTC-ISB2-{SLEDS}-{FT}-{DOP}-{SC}-{FWHM}-{CW}-{LOP} LTC-ISB2-1615_1680-SM-LP-1575_1725-150-1650-12 LTC-ISB2-1480_1550_1615-SM-LP-1435_1640-205-1538-18 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20 LTC-ISB2-1480_1550_1615_1680-SM-LP-1265_1465-200-1365-25 LTC-ISB2-1480_1550_1615_1680-SM-LP-1265_1500-235-1383-35 LTC-ISB2-1300_1340_1390_1430_1480-SM-LP-1265_1500-235-1383-35 LTC-ISB2-1300_1390_1430_1480_1550_SM-LP-1305_1605-300-1455-35 LTC-ISB2-1300_1390_1430_1480_1550_1615_1680-SM-LP-1265_1725-460-1495-40 LTC-ISB2-1300_1390_1430_1480_1550_1615_1680-SM-LP-1265_1725-460-1495-40 LTC-ISB2-1300_1390_1430_1480_1550_1615-SM-LP-1310_1640-330-1475-38 LTC-ISB2-1300_1340_1390_1430_1480_1550_5SM-LP-1310_1640-330-1475-38 LTC-ISB2-1300_1340_1390_1430_1480_1550_5SM-LP-1265_1605-340-1435-40 LTC-ISB2-1430_1480_1550-SM-LP-1410_1605-195-1508-19 LTC-ISB2-1300_1340_1390_5M-LP-1265_1420-155-1343-20	SLEDs [nm] 1615, 1680 1480, 1550, 1615 1340, 1390, 1430 1300, 1340, 1390, 1430 1300, 1340, 1390, 1430, 1480 1300, 1340, 1390, 1430, 1480 1300, 1340, 1390, 1430, 1480 1300, 1390, 1430, 1480, 1550 1300, 1390, 1430, 1480, 1550, 1615, 1680 1480, 1550 1300, 1390, 1430, 1480, 1550, 1615, 1680 1480, 1550 1340, 1390, 1430, 1480, 1550, 1615 1300, 1340, 1390, 1430, 1480, 1550 1430, 1480, 1550 1430, 1480, 1550 1300, 1340, 1390, 1430, 1430, 1480, 1550	FT SM SM SM SM SM SM SM SM SM SM SM SM SM	SC [nm] 1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725 1265 - 1500 1305 - 1605 1310 - 1640 1265 - 1605 1410 - 1605 1265 - 1420	FWHM [nm] 150 205 155 200 290 235 300 460 170 330 340 195 155	CW [nm] 1650 1538 1388 1365 1383 1455 1455 1455 1455 1455 1520 1475 1520 1435	LOP [mWJ] 12 18 20 25 35 35 35 40 12 38 40 12 38 40 12 38
Part Number ASM000701 ASM000702 ASM000703 ASM000704 ASM000705 ASM000706 ASM000707 ASM000708 ASM000709 ASM000710 ASM000711 ASM000712 ASM000713 ASM000713	Ordering Code: LTC-ISB2-{SLEDS}-{FT}-{DOP}-{SC}-{FWHM}-{CW}-{LOP} LTC-ISB2-1615_1680-SM-LP-1575_1725-150-1650-12 LTC-ISB2-1480_1550_1615-SM-LP-1435_1640-205-1538-18 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20 LTC-ISB2-1300_1340_1390_1430-SM-LP-1265_1465-200-1365-25 LTC-ISB2-1300_1340_1390_1430-SM-LP-1265_1465-200-1365-25 LTC-ISB2-1300_1340_1390_1430_1480-SM-LP-1265_1500-235-1383-35 LTC-ISB2-1300_1340_1390_1430_1480_SM-LP-1305_1605-300-1455-35 LTC-ISB2-1300_1390_1430_1480_1550_5M-LP-1305_1605-300-1455-35 LTC-ISB2-1300_1390_1430_1480_1550_1615_1680-SM-LP-1265_1725-460-1495-400 LTC-ISB2-1300_1390_1430_1480_1550_1615-SM-LP-130_1640-330-1475-38 LTC-ISB2-1300_1390_1430_1480_1550_5M-LP-1310_1640-330-1475-38 LTC-ISB2-1300_1340_1390_1430_1480_1550_SM-LP-1265_1605-340-1435-40 LTC-ISB2-1300_1340_1390_1430_1480_1550_SM-LP-1310_1640-330-1475-38 LTC-ISB2-1430_1340_1390_5M-LP-140_1605-195-1508-19 LTC-ISB2-1300_1340_1390-SM-LP-1265_1420-155-1343-20 LTC-ISB2-1300_1340_1390-SM-LP-1265_150-145-1428-19	SLEDs [nm] 1615, 1680 1480, 1550, 1615 1340, 1390, 1430 1300, 1340, 1390, 1430 1480, 1550, 1615, 1680 1300, 1340, 1390, 1430, 1480 1300, 1340, 1390, 1430, 1480 1300, 1340, 1390, 1430, 1480, 1550 1300, 1390, 1430, 1480, 1550, 1615, 1680 1480, 1550 1340, 1390, 1430, 1480, 1550, 1615 1300, 1340, 1390, 1430, 1480, 1550, 1615 1300, 1340, 1390, 1430, 1480, 1550 1430, 1480, 1550 1300, 1340, 1390 1300, 1340, 1390 1390, 1430, 1480	FT SM SM SM SM SM SM SM SM SM SM SM SM SM	SC [nm] 1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725 1265 - 1500 1305 - 1605 1265 - 1725 1310 - 1640 1265 - 1605 1410 - 1605 1265 - 1420 1355 - 1500	FWHM [nm] 150 205 155 200 290 235 300 460 170 330 340 195 155 145	CW [nm] 1650 1538 1388 1365 1383 1455 1495 1495 1495 1495 1520 1475 1520 1435 1508 1343 1428	LOP [mWJ] 12 25 25 35 35 35 40 12 38 40 12 38 40 19 20 20
Part Number ASM000701 ASM000702 ASM000703 ASM000703 ASM000704 ASM000705 ASM000706 ASM000707 ASM000708 ASM000709 ASM000710 ASM000711 ASM000712 ASM000713 ASM000713 ASM000713 ASM000713	Ordering Code: LTC-ISB2-{SLEDS}-{FT}-{DOP}-{SC}-{FWHM}-{CW}-{LOP} LTC-ISB2-1615_1680-SM-LP-1575_1725-150-1650-12 LTC-ISB2-1480_1550_1615-SM-LP-1435_1640-205-1538-18 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20 LTC-ISB2-1300_1340_1390_1430-SM-LP-1265_1465-200-1365-25 LTC-ISB2-1300_1340_1390_1430-SM-LP-1265_1465-200-1365-25 LTC-ISB2-1300_1340_1390_1430_1480-SM-LP-1265_1500-235-1383-35 LTC-ISB2-1300_1340_1390_1430_1480_SM-LP-1265_1500-235-1383-35 LTC-ISB2-1300_1390_1430_1480_1550-SM-LP-1305_1605-300-1455-35 LTC-ISB2-1300_1390_1430_1480_1550_1615-1680-SM-LP-1265_1725-460-1495-400 LTC-ISB2-1300_1390_1430_1480_1550_1615-1680-SM-LP-1265_1725-460-1495-400 LTC-ISB2-1300_1390_1430_1480_1550_1615-SM-LP-1310_1640-330-1475-38 LTC-ISB2-1300_1340_1390_1430_1480_1550-SM-LP-1265_1605-340-1435-40 LTC-ISB2-1300_1340_1390_1430_1480_1550-SM-LP-1265_1605-340-1435-40 LTC-ISB2-1300_1340_1390-SM-LP-1265_1420-155-1343-20 LTC-ISB2-1300_1340_1390-SM-LP-135_1500-145-1428-19 LTC-ISB2-1300_1340_1390-SM-LP-135_150-145-1428-19 LTC-ISB2-150_1615_1680-SM-LP-1515_1725-210-1620-18	SLEDs [nm] 1615, 1680 1480, 1550, 1615 1340, 1390, 1430 1300, 1340, 1390, 1430 1480, 1550, 1615, 1680 1300, 1340, 1390, 1430, 1480 1300, 1340, 1390, 1430, 1480 1300, 1390, 1430, 1480, 1550 1300, 1390, 1430, 1480, 1550, 1615, 1680 1480, 1550 1300, 1390, 1430, 1480, 1550, 1615 1300, 1340, 1390, 1430, 1480, 1550, 1615 1300, 1340, 1390, 1430, 1480, 1550 1430, 1480, 1550 1300, 1340, 1390 1300, 1430, 1480 1300, 1430, 1480 1300, 1430, 1480	FT SM SM SM SM SM SM SM SM SM SM SM SM	SC [nm] 1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725 1265 - 1500 1305 - 1605 1410 - 1605 1410 - 1605 1265 - 1420 1355 - 1500 1515 - 1725	FWHM [nm] 150 205 155 200 290 235 300 460 170 330 340 195 155 145 210	CW [nm] 1650 1538 1388 1365 1365 1455 1495 1495 1520 1475 1435 1508 1343 1438 1343	LOP [mW] 12 18 20 25 35 35 35 40 12 38 40 12 20 19 20 19
Part Number ASM000701 ASM000702 ASM000703 ASM000704 ASM000705 ASM000705 ASM000706 ASM000707 ASM000708 ASM000708 ASM000709 ASM000708 ASM000710 ASM000711 ASM000712 ASM000713 ASM000714 ASM000715 ASM000715	Ordering Code: LTC-ISB2-(SLEDS)-(FT)-(DOP)-(SC)-(FWHM)-(CW)-(LOP) LTC-ISB2-1615_1680-SM-LP-1575_1725-150-1650-12 LTC-ISB2-1480_1550_1615-SM-LP-1435_1640-205-1538-18 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20 LTC-ISB2-1340_1390_1430-SM-LP-1265_1465-200-1365-25 LTC-ISB2-1300_1340_1390_1430_1480-SM-LP-1265_1500-235-1383-35 LTC-ISB2-1300_1340_1390_1430_1480-SM-LP-1265_1500-235-1383-35 LTC-ISB2-1300_1340_1390_1430_1480_1550-SM-LP-1265_1725-460-1495-40 LTC-ISB2-1300_1340_1390_1430_1480_1550_1615-SM-LP-1265_1725-460-1495-40 LTC-ISB2-1340_1390_1430_1480_1550_1615-SM-LP-1265_1725-460-1495-40 LTC-ISB2-1340_1390_1430_1480_1550_1615-SM-LP-1265_1605-340-1435-40 LTC-ISB2-1300_1340_1390_1430_1480_1550-SM-LP-1265_1605-340-1435-40 LTC-ISB2-1300_1340_1390_1430_1480_1550-SM-LP-1265_1605-340-1435-40 LTC-ISB2-1300_1340_1390_SM-LP-1265_1420-155-1384-20 LTC-ISB2-1300_1340_1390-SM-LP-1265_1420-155-1343-20 LTC-ISB2-1350_1615_1680-SM-LP-1355_1500-145-1428-19 LTC-ISB2-1350_1615_1680-SM-LP-1355_1500-135-12	SLEDs [nm] 1615, 1680 1480, 1550, 1615 1340, 1390, 1430 1300, 1340, 1390, 1430 1480, 1550, 1615, 1680 1300, 1340, 1390, 1430, 1480, 1550 1300, 1340, 1390, 1430, 1480, 1550 1300, 1390, 1430, 1480, 1550 1300, 1390, 1430, 1480, 1550, 1615 1300, 1390, 1430, 1480, 1550, 1615 1300, 1390, 1430, 1480, 1550, 1615 1300, 1340, 1390, 1430, 1480, 1550 1430, 1440, 1550 1300, 1340, 1390 1390, 1430, 1480 1550, 1615, 1680 1300, 1340	FT SM SM SM SM SM SM SM SM SM SM SM SM SM	SC [nm] 1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725 1265 - 1500 1305 - 1605 1265 - 1725 1435 - 1605 1410 - 1605 1265 - 1420 1355 - 1500 1515 - 1725 1265 - 1365	FWHM [nm] 150 205 155 200 290 235 300 460 170 330 340 195 155 145 210 100	CW [nm] 1650 1538 1385 1385 1385 1383 1455 1495 1495 1495 1495 1495 1495 1495 1500 1475 1435 1445 1435 144	LOP [mW] 12 25 25 35 35 40 12 38 40 12 38 40 12 38 40 12 12 38 12 12 12 12 12 12 12 12 12 12 12 12 12
Part Number ASM000701 ASM000702 ASM000703 ASM000704 ASM000705 ASM000706 ASM000707 ASM000708 ASM000709 ASM000710 ASM000710 ASM000711 ASM000712 ASM000713 ASM000714 ASM000715 ASM000716 ASM000716	Ordering Code: LTC-ISB2-{SLEDS}-{FT}-{DOP}-{SC}-{FWHM}-{CW}-{LOP} LTC-ISB2-1615_1680-SM-LP-1575_1725-150-1650-12 LTC-ISB2-1480_1550_1615-SM-LP-1435_1640-205-1538-18 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20 LTC-ISB2-1340_1390_1430-SM-LP-1310_1465-155-1388-20 LTC-ISB2-1340_1390_1430-SM-LP-1265_1465-200-1365-25 LTC-ISB2-1300_1340_1390_1430_SM-LP-1265_1500-235-1383-35 LTC-ISB2-1300_1340_1390_1430_1480-SM-LP-1265_1500-235-1383-35 LTC-ISB2-1300_1340_1390_1430_1480_1550-SM-LP-1305_1605-300-1455-35 LTC-ISB2-1300_1390_1430_1480_1550_1615_1680-SM-LP-1265_1725-460-1495-40 LTC-ISB2-1300_1390_1430_1480_1550_1615_1680-SM-LP-1265_1725-460-1495-40 LTC-ISB2-1300_1390_1430_1480_1550_1615_SM-LP-1310_1640-330-1475-38 LTC-ISB2-1300_1340_1390_1430_1480_1550-SM-LP-1265_1605-340-1435-40 LTC-ISB2-1300_1340_1390_1430_1480_1550-SM-LP-1265_1605-340-1435-40 LTC-ISB2-1300_1340_1390_SM-LP-1265_1420-155-1343-20 LTC-ISB2-1300_1340_1390-SM-LP-1265_1420-155-1343-20 LTC-ISB2-1300_1430_1480-SM-LP-135_1500-145-1428-19 LTC-ISB2-1300_1340_1340-SM-LP-1265_1365-100-1315-12 LTC-ISB2-1300_1340-SM-LP-1265_1365-100-1315-12 LTC-ISB2-1300_1340_1550-SM-LP-1340_1610-270-1475-20	SLEDs [nm] 1615, 1680 1480, 1550, 1615 1340, 1390, 1430 1300, 1340, 1390, 1430 1300, 1340, 1390, 1430 1300, 1340, 1390, 1430, 1480 1300, 1340, 1390, 1430, 1480 1300, 1340, 1390, 1430, 1480, 1550 1300, 1390, 1430, 1480, 1550, 1615, 1680 1300, 1340, 1390, 1430, 1480, 1550 1300, 1340, 1390, 1430, 1480, 1550 1300, 1340, 1390, 1430, 1480, 1550 1300, 1340, 1390 1390, 1430, 1480 1550, 1615, 1680 1300, 1340 1300, 1340 1300, 1340	FT SM SM SM SM SM SM SM SM SM SM	SC [nm] 1575 - 1725 1435 - 1640 1310 - 1465 1265 - 1465 1435 - 1725 1265 - 1500 1305 - 1605 1265 - 1725 1435 - 1605 1310 - 1640 1265 - 1605 1410 - 1605 1265 - 1420 1355 - 1500 1515 - 1725 1265 - 1365 1340 - 1610	FWHM [nm] 150 205 155 200 290 235 300 460 170 330 340 195 155 145 210 100 270	CW [nm] 1650 1538 1388 1365 1383 1455 1495 1495 1495 1495 1428 1428 1428 1620 1315 1425	LOP [mW] 12 20 25 35 35 35 40 12 38 40 12 38 40 19 19 20 19 12 20 20

#LTC-ISB2-1550_1615-SM-LP-1530_1630-100-1580-10_DS_2021_08_05



Part Number	Ordering Code: LTC-ISB2-{SLEDS}-(FT)-{DOP}-{SC}-{FWHM}-(CW)-{LOP}	SLEDs [nm]	FT	SC [nm]	FWHM [nm]	CW [nm]	LOP [mW]
ASM000801	LTC-ISB2-1615_1680-FS-HP-1575_1725-150-1650-35	1615, 1680	FS	1575 - 1725	150	1650	35
ASM000802	LTC-ISB2 -1480_1550_1615-FS-HP-1435_1640-205-1538-55	1480, 1550, 1615	FS	1435 - 1640	205	1538	55
ASM000803	LTC-ISB2-1340_1390_1430-FS-HP-1310_1465-155-1388-65	1340, 1390, 1430	FS	1310 - 1465	155	1388	65
ASM000804	LTC-ISB2-1300_1340_1390_1430-FS-HP-1265_1465-200-1365-90	1300, 1340, 1390, 1430	FS	1265 - 1465	200	1365	90
ASM000805	LTC-ISB2-1480_1550_1615_1680-FS-HP-1435_1725-290-1580-80	1480, 1550, 1615, 1680	FS	1435 - 1725	290	1580	80
ASM000806	LTC-ISB2-1300_1340_1390_1430_1480-FS-HP-1265_1500-235-1383-115	1300, 1340, 1390, 1430, 1480	FS	1265 - 1500	235	1383	115
ASM000807	LTC-ISB2-1340_1390_1430_1480_1550-FS-HP-1305_1605-300-1455-110	1340, 1390, 1430, 1480, 1550	FS	1305 - 1605	300	1455	110
ASM000808	LTC-ISB2-1300_1390_1480_1550_1615_1680-FS-HP-1265_1725-460-1495-125	1300, 1390, 1480, 1550, 1615, 1680	FS	1265 - 1725	460	1495	125
ASM000809	LTC-ISB2-1480_1550-FS-HP-1435_1605-170-1520-45	1480, 1550	FS	1435 - 1605	170	1520	45
ASM000810	LTC-ISB2-1340_1390_1430_1480_1550_1615-FS-HP-1310_1640-330-1475-120	1340, 1390, 1430, 1480, 1550, 1615	FS	1310 - 1640	330	1475	120
ASM000811	LTC-ISB2-1300_1340_1390_1430_1480_1550-FS-HP-1265_1605-340-1435-130	1300, 1340, 1390, 1430, 1480, 1550	FS	1265 - 1605	340	1435	130
ASM000812	LTC-ISB2-1430_1480_1550-FS-HP-1410_1605-195-1508-60	1430, 1480, 1550	FS	1410 - 1605	195	1508	60
ASM000813	LTC-ISB2-1300_1340_1390-FS-HP-1265_1420-155-1343-70	1300, 1340, 1390	FS	1265 - 1420	155	1343	70
ASM000814	LTC-ISB2-1390_1430_1480-FS-HP-1355_1500-145-1428-65	1390, 1430, 1480	FS	1355 - 1500	145	1428	65
ASM000815	LTC-ISB2-1550_1615_1680-FS-HP-1515_1725-210-1620-55	1550, 1615, 1680	FS	1515 - 1725	210	1620	55
ASM000816	LTC-ISB2-1300_1340-FS-HP-1265_1365-100-1315-50	1300, 1340	FS	1265 - 1365	100	1315	50
ASM000817	LTC-ISB2-1390_1480_1550-FS-HP-1340_1610-270-1475-60	1390, 1480, 1550	FS	1340 - 1610	270	1475	60
ASM000818	LTC-ISB2-1300_1390_1480-FS-HP-1265_1500-235-1383-70	1300, 1390, 1480	FS	1265 - 1500	235	1383	70
ASM000819	LTC-ISB2-1390_1480_1550_1615_1680-FS-HP-1340_1725-385-1533-100	1390, 1480, 1550, 1615, 1680	FS	1340 - 1725	385	1533	100
ASM000820	LTC-ISB2-1550_1615-FS-HP-1530_1630-100-1580-30	1550, 1615	FS	1530 - 1630	100	1580	30

#LTC-ISB2-1550_1615-SM-LP-1530_1630-100-1580-10_DS_2021_08_05