

Part #
DWDM820

Buy 8 DWDM
Models

Get the
PRO8000
Chassis

FREE!

DWDM Laser Sources Ordering Guide

The Thorlabs DWDM laser sources cover 100 lasers from the C-, and L-bands with a 100 GHz spacing. They are organized based on the ITU 100 GHz Grid in column A shown in the table on the next page. Sources from the 50 GHz and 25 GHz grid (i.e., sources from columns B, C, and D) are available upon request. For all sources the lead times are subject to laser diode availability.

To get the correct item name when ordering the sources, please read the appropriate codes for Band, Channel, and Column from the ITU Grid on the right and fill them into the item name template in the Ordering and Price Information box below.

Ordering Information for WDM8

*Columns B (50 GHz Offset), C and D (25 GHz Offset) upon request; subject to laser diode availability.

Ordering Information for LS5

*Columns B (50 GHz Offset), C and D (25 GHz Offset) upon request; subject to laser diode availability.

REF Ordering Examples:

If you want to order a laser source for 1561.42 nm (192.00 THz), which is from the C-Band, you'll find it under C-Band, Column A, Channel 11. The item name therefore is: WDM8-C-11A-20-NM.

To order a source for 1590.20 nm (188.525 THz) the codes are L-Band, Column C, Channel 26, and the order code is WDM8-L-26C-20-NM.

If you order 8 DWDM sources you get the PRO8000 Chassis for free! In this case please use DWDM820 for the item number in your order and our Tech-Support team will contact you for the details about the individual laser sources.

Item# DWDM820 -Buy 8 DWDM Models, Get the PRO8000 Chassis **FREE!**

Lead times depend on the wavelengths of our laser sources. Please contact our technical support team for more information.

ITEM#	\$	£	€	RMB	DESCRIPTION
WDM8-X-XXX-20-NM	\$ 2,856.00	£ 1,980.00	€ 2,535.50	¥ 24,117.00	Single PRO8 WDM Laser Source, 20 mW, No Direct Modulation
DWDM820	\$ 22,848.00	£15,839.00	€ 20,285.00	¥ 192,930.00	WDM Laser Sources, 20 mW, No Direct Modulation w/ PRO8000 Chassis
PRO800	\$ 1,798.80	£ 1,247.00	€ 1,597.00	¥ 15,190.00	2-Slot Modular Benchtop Chassis
PRO8000	\$ 2,470.80	£ 1,713.00	€ 2,193.50	¥ 20,864.00	8-Slot Modular Rack Chassis
PRO8000-4	\$ 3,336.00	£ 2,312.50	€ 2,961.50	¥ 28,170.00	8-Slot High-Power Modular Rack Chassis

TOOLS
OF THE
TRADE

See Page 1072
for Details.

LS5000 DFB SOURCES FOR TXP PLATFORM

These Laser Sources are available for our TXP measurement platform as well. They can be combined with a multitude of plug-in modules for most demanding test and measurement applications.



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ITU Grid Ordering Guide

Channel	C-Band (1529.75 nm - 1569.59 nm)							
	100 GHz Grid		50 GHz Offset		-25 GHz Offset		+25 GHz Offset	
	0.80 nm		0.40 nm		0.20 nm		0.20 nm	
	THz	nm	THz	nm	THz	nm	THz	nm
	Column A		Column B*		Column C*		Column D*	
01	191.00	1569.59	191.05	1569.18	191.025	1569.39	191.075	1568.98
02	191.10	1568.77	191.15	1568.36	191.125	1568.57	191.175	1568.16
03	191.20	1567.95	191.25	1567.54	191.225	1567.75	191.275	1567.34
04	191.30	1567.13	191.35	1566.72	191.325	1566.93	191.375	1566.52
05	191.40	1566.31	191.45	1565.90	191.425	1566.11	191.475	1565.70
06	191.50	1565.50	191.55	1565.09	191.525	1565.29	191.575	1564.88
07	191.60	1564.68	191.65	1564.27	191.625	1564.47	191.675	1564.07
08	191.70	1563.86	191.75	1563.45	191.725	1563.66	191.775	1563.25
09	191.80	1563.05	191.85	1562.64	191.825	1562.84	191.875	1562.44
10	191.90	1562.23	191.95	1561.83	191.925	1562.03	191.975	1561.62
REF 11	192.00	1561.42	192.05	1561.01	192.025	1561.22	192.075	1560.81
12	192.10	1560.61	192.15	1560.20	192.125	1560.40	192.175	1560.00
13	192.20	1559.79	192.25	1559.39	192.225	1559.59	192.275	1559.19
14	192.30	1558.98	192.35	1558.58	192.325	1558.78	192.375	1558.38
15	192.40	1558.17	192.45	1557.77	192.425	1557.97	192.475	1557.57
16	192.50	1557.36	192.55	1556.96	192.525	1557.16	192.575	1556.76
17	192.60	1556.55	192.65	1556.15	192.625	1556.35	192.675	1555.95
18	192.70	1555.75	192.75	1555.34	192.725	1555.55	192.775	1555.14
19	192.80	1554.94	192.85	1554.54	192.825	1554.74	192.875	1554.34
20	192.90	1554.13	192.95	1553.73	192.925	1553.93	192.975	1553.53
21	193.00	1553.33	193.05	1552.93	193.025	1553.13	193.075	1552.73
22	193.10	1552.52	193.15	1552.12	193.125	1552.32	193.175	1551.92
23	193.20	1551.72	193.25	1551.32	193.225	1551.52	193.275	1551.12
24	193.30	1550.92	193.35	1550.52	193.325	1550.72	193.375	1550.32
25	193.40	1550.12	193.45	1549.72	193.425	1549.92	193.475	1549.52
REF 26	193.50	1549.32	193.55	1548.91	193.525	1549.11	193.575	1548.71
27	193.60	1548.51	193.65	1548.11	193.625	1548.31	193.675	1547.92
28	193.70	1547.72	193.75	1547.32	193.725	1547.52	193.775	1547.12
29	193.80	1546.92	193.85	1546.52	193.825	1546.72	193.875	1546.32
30	193.90	1546.12	193.95	1545.72	193.925	1545.92	193.975	1545.52
31	194.00	1545.32	194.05	1544.92	194.025	1545.12	194.075	1544.72
32	194.10	1544.53	194.15	1544.13	194.125	1544.33	194.175	1543.93
33	194.20	1543.73	194.25	1543.33	194.225	1543.53	194.275	1543.13
34	194.30	1542.94	194.35	1542.54	194.325	1542.74	194.375	1542.34
35	194.40	1542.14	194.45	1541.75	194.425	1541.94	194.475	1541.55
36	194.50	1541.35	194.55	1540.95	194.525	1541.15	194.575	1540.76
37	194.60	1540.56	194.65	1540.16	194.625	1540.36	194.675	1539.96
38	194.70	1539.77	194.75	1539.37	194.725	1539.57	194.775	1539.17
39	194.80	1538.98	194.85	1538.58	194.825	1538.78	194.875	1538.38
40	194.90	1538.19	194.95	1537.79	194.925	1537.99	194.975	1537.59
41	195.00	1537.40	195.05	1537.00	195.025	1537.20	195.075	1536.81
42	195.10	1536.61	195.15	1536.22	195.125	1536.41	195.175	1536.02
43	195.20	1535.82	195.25	1535.43	195.225	1535.63	195.275	1535.23
44	195.30	1535.04	195.35	1534.64	195.325	1534.84	195.375	1534.45
45	195.40	1534.25	195.45	1533.86	195.425	1534.05	195.475	1533.66
46	195.50	1533.47	195.55	1533.07	195.525	1533.27	195.575	1532.88
47	195.60	1532.68	195.65	1532.29	195.625	1532.49	195.675	1532.09
48	195.70	1531.90	195.75	1531.51	195.725	1531.70	195.775	1531.31
49	195.80	1531.12	195.85	1530.72	195.825	1530.92	195.875	1530.53
50	195.90	1530.33	195.95	1529.94	195.925	1530.14	195.975	1529.75

Channel	L-Band (1569.80 nm - 1611.79 nm)							
	100 GHz Grid		50 GHz Offset		-25 GHz Offset		+25 GHz Offset	
	0.80 nm		0.40 nm		0.20 nm		0.20 nm	
	THz	nm	THz	nm	THz	nm	THz	nm
	Column A		Column B*		Column C*		Column D*	
01	186.00	1611.79	186.05	1611.35	186.025	1611.57	186.075	1611.14
02	186.10	1610.92	186.15	1610.49	186.125	1610.70	186.175	1610.27
03	186.20	1610.06	186.25	1609.62	186.225	1609.84	186.275	1609.41
04	186.30	1609.19	186.35	1608.76	186.325	1608.98	186.375	1608.54
05	186.40	1608.33	186.45	1607.90	186.425	1608.11	186.475	1607.68
06	186.50	1607.47	186.55	1607.04	186.525	1607.25	186.575	1606.820
07	186.60	1606.60	186.65	1606.17	186.625	1606.39	186.675	1605.96
08	186.70	1605.74	186.75	1605.31	186.725	1605.53	186.775	1605.10
09	186.80	1604.88	186.85	1604.46	186.825	1604.67	186.875	1604.24
10	186.90	1604.03	186.95	1603.60	186.925	1603.81	186.975	1603.38
11	187.00	1603.17	187.05	1602.74	187.025	1602.95	187.075	1602.53
12	187.10	1602.31	187.15	1601.88	187.125	1602.10	187.175	1601.67
13	187.20	1601.46	187.25	1601.03	187.225	1601.24	187.275	1600.81
14	187.30	1600.60	187.35	1600.17	187.325	1600.39	187.375	1599.96
15	187.40	1599.75	187.45	1599.32	187.425	1599.53	187.475	1599.11
16	187.50	1598.89	187.55	1598.47	187.525	1598.68	187.575	1598.25
17	187.60	1598.04	187.65	1597.62	187.625	1597.83	187.675	1597.40
18	187.70	1597.19	187.75	1596.76	187.725	1596.98	187.775	1596.55
19	187.80	1596.34	187.85	1595.91	187.825	1596.13	187.875	1595.70
20	187.90	1595.49	187.95	1595.06	187.925	1595.28	187.975	1594.85
21	188.00	1594.64	188.05	1594.22	188.025	1594.43	188.075	1594.00
22	188.10	1593.79	188.15	1593.37	188.125	1593.58	188.175	1593.16
23	188.20	1592.95	188.25	1592.52	188.225	1592.73	188.275	1592.31
24	188.30	1592.10	188.35	1591.68	188.325	1591.89	188.375	1591.47
25	188.40	1591.26	188.45	1590.83	188.425	1591.04	188.475	1590.62
26	188.50	1590.41	188.55	1589.99	188.525	1590.20	188.575	1589.78
27	188.60	1589.57	188.65	1589.15	188.625	1589.36	188.675	1588.94
28	188.70	1588.73	188.75	1588.30	188.725	1588.51	188.775	1588.09
29	188.80	1587.88	188.85	1587.46	188.825	1587.67	188.875	1587.25
30	188.90	1587.04	188.95	1586.62	188.925	1586.83	188.975	1586.41
31	189.00	1586.20	189.05	1585.78	189.025	1585.99	189.075	1585.57
32	189.10	1585.36	189.15	1584.95	189.125	1585.16	189.175	1584.74
33	189.20	1584.53	189.25	1584.11	189.225	1584.32	189.275	1583.90
34	189.30	1583.69	189.35	1583.27	189.325	1583.48	189.375	1583.06
35	189.40	1582.85	189.45	1582.44	189.425	1582.64	189.475	1582.23
36	189.50	1582.02	189.55	1581.60	189.525	1581.81	189.575	1581.39
37	189.60	1581.18	189.65	1580.77	189.625	1580.98	189.675	1580.56
38	189.70	1580.35	189.75	1579.93	189.725	1580.14	189.775	1579.73
39	189.80	1579.52	189.85	1579.10	189.825	1579.31	189.875	1578.89
40	189.90	1578.69	189.95	1578.27	189.925	1578.48	189.975	1578.06
41	190.00	1577.86	190.05	1577.44	190.025	1577.65	190.075	1577.23
42	190.10	1577.03	190.15	1576.61	190.125	1576.82	190.175	1576.40
43	190.20	1576.20	190.25	1575.78	190.225	1575.99	190.275	1575.57
44	190.30	1575.37	190.35	1574.95	190.325	1575.16	190.375	1574.75
45	190.40	1574.54	190.45	1574.13	190.425	1574.33	190.475	1573.92
46	190.50	1573.71	190.55	1573.30	190.525	1573.51	190.575	1573.09
47	190.60	1572.89	190.65	1572.48	190.625	1572.68	190.675	1572.27
48	190.70	1572.06	190.75	1571.65	190.725	1571.86	190.775	1571.45
49	190.80	1571.24	190.85	1570.83	190.825	1571.03	190.875	1570.62
50	190.90	1570.42	190.95	1570.01	190.925	1570.21	190.975	1569.80

*Columns B (50 GHz Offset), C and D (25 GHz Offset) upon request; subject to laser diode availability.