CDLS-BLUE

CW DIODE LASER SOURCE IN BLUE REGION

convergent BY LUMIBIRD

Optical Specifications @ 25 °C	CDLS-BLUE
	CDLS445
Mode of operation	CW or QCW modulated
Operating wavelength in vacuum (nm)	445 +/- 10
Average output power (W)	350
Nominal peak power (W)	≤ 700
Pulse energy (J)	7
Modulation frequency (Hz)	1 to 2500 (≤ 10% duty cycle)
Pulse width (ms)	0.1 to 12
Polarization	Random (RP)
Output power stability over 1 hr at contant temperature after warm-up time (%rms)	+/- 1%
Output power tunability (%)	10 - 100
Laser guide (LG option)	635 nm or 520 nm, < 2 mW
Output fiber type	400 µm core (N.A 0.2)
Output fiber length[1] (m)	1 +/- 10 %
Output termination	D80
Beam parameter (mm x mrad)	≤ 38
Power consumption (W), in CW mode	1400
Associated platform	CB01

Platform Specifications		Platform type
		CB01
Voltage (VAC)		100 - 250
Laser cooling type		Glycol mix (35%)
Laser cooling characteristics	Cooling cap (W)	1000
	Pressure (Bar)	< 6
	Flow (L/min)	> 5
	Temperature (°C)	25 +/- 1
Cooling interface		10 mm OD quick disconnect fitting (x2)
Dimensions W x H x L (mm)		440 x 125 x 670
Weight (kg), typical		18
Operating case temperature (°C)		18 to 30
Relative humidity, non condensing (%)		< 50
Safety		PLe
Protection degree (IEC60529)		IP54 (NEMA13 equivalent)

[1] Other fiber length (< 5 m) available upon special request

C	D	L	S	-	B	L	U	E	-	3	5	0	-	R	P	-	0	4	4	5	-	L	G		-	C	B	0	1	-	D	8	0

Output power (W)			
3	5	0	350 W

Polarization		
R	P	Random Polarization

Operating wavelength (nm)				
0	4	4	5	445 nm

Laser Guide	
1	635 nm
2	520 nm

Platform			
C	B	0	1

Output termination			
D	8	0	D80 connector

REACH RoHS

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