STRAIGHTNESS & FLATNESS TOLERANCE	CLASS	NOMINAL LENGTH					
		L ≤ 10	10 < L ≤ 30	30 < L ≤ 100	100 < L ≤ 300	300 < L ≤ 1000	1000 < L ≤ 3000
	H	±0.02	±0.05	±0.1	±0.2	±0.3	±0.4
	K	±0.05	±0.1	±0.2	±0.4	±0.6	±0.8

PERPENDICULARITY TOLERANCE	CLASS	NOMINAL LENGTH ON SHORTER SIDE			
		L ≤ 100	100 < L ≤ 300	300 < L ≤ 1000	1000 < L ≤ 3000
	H	±0.2	±0.3	±0.4	±0.5
	K	±0.4	±0.6	±0.8	±1.0

ANGLE TOLERANCE	CLASS	LENGTH OF SHORTER SIDE OF ANGLE				
		L ≤ 10	10 < L ≤ 50	50 < L ≤ 120	120 < L ≤ 400	400 < L
	f	±1°	±30' (±0.5°)	±20' (±0.333°)	±10' (±0.166°)	±5' (±0.083°)
	m					

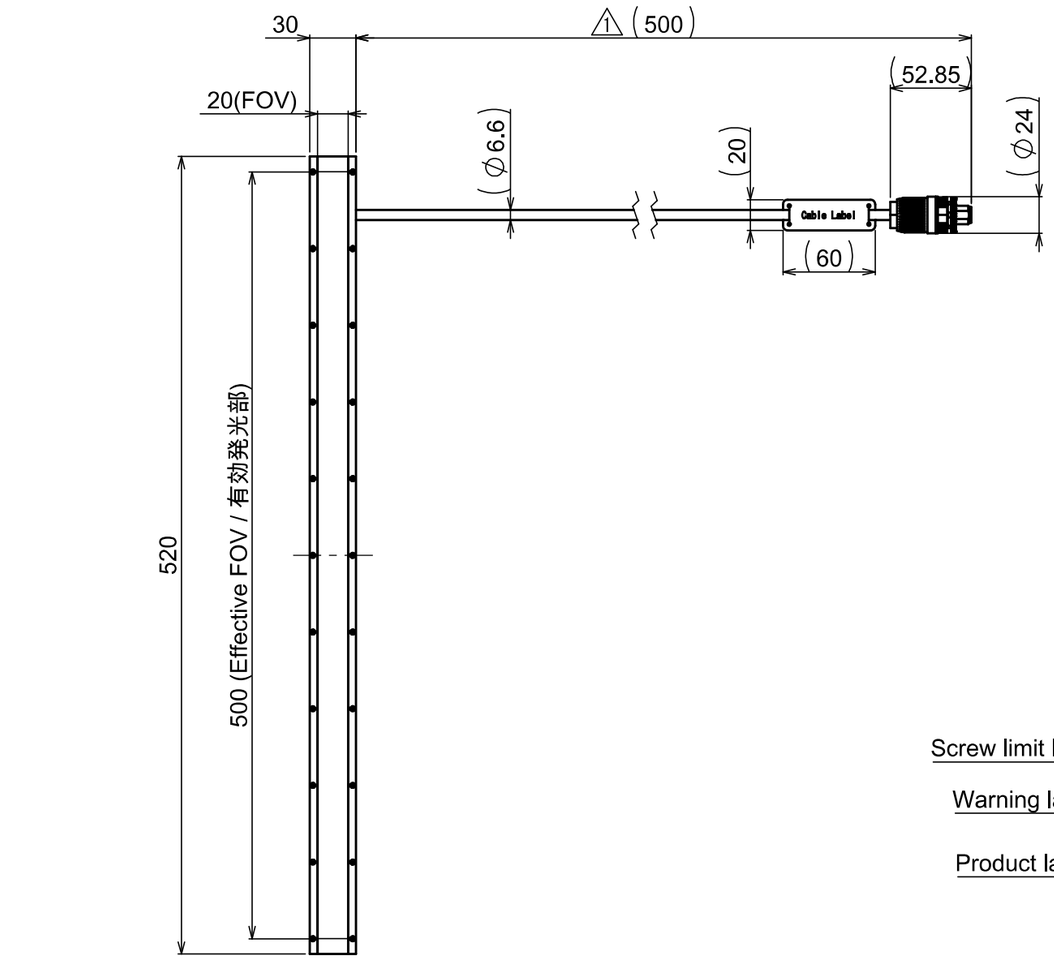
STANDARD DIMENSION RANGE	CLASS	0.2 ≤ L ≤ 6	6 < L ≤ 30	30 < L ≤ 120	120 < L ≤ 400	400 < L ≤ 1000
L < 0.2	f	±0.05	±0.1	±0.15	±0.2	±0.3
IN DRW.	m	±0.1	±0.2	±0.3	±0.5	±0.8

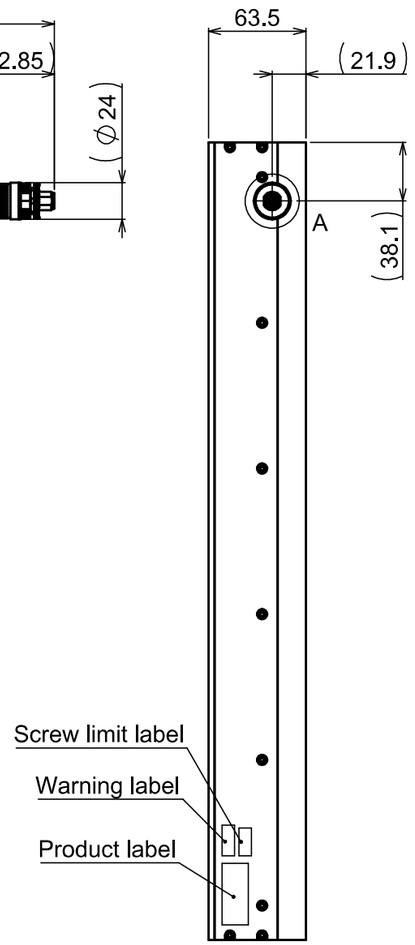
CHAMFER TOLERANCE	CLASS	STANDARD DIMENSION RANGE				
L < 0.2		0.2 ≤ L ≤ 0.5	0.5 < L ≤ 3	3 < L ≤ 6	6 < L	
IN DRW.	f	±0.1	±0.2	±0.5	±1.0	
	m					

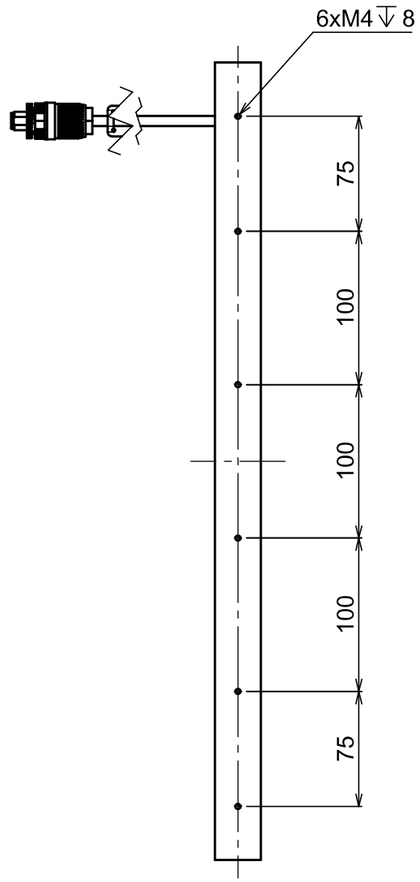
ORIGINAL SHEET FORMAT SIZE : A3

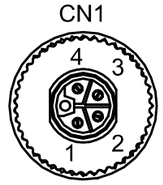
Absolute Max. Rating / 最大定格	4.8A-DC24V ⚠1
Total Power / 消費電力合計	115W ⚠1
Mass / 質量	-

CN1	Assign / 信号
1	+V
2	NC
3	-V
4	NC

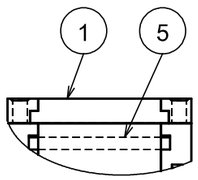




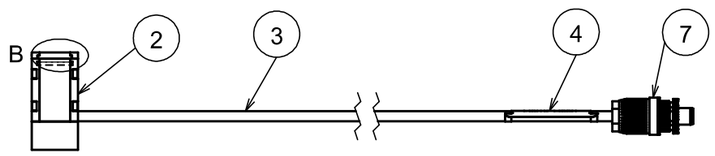




DETAIL A
(1:1)



DETAIL B
(1:1)



Notes:
1)This product is subject to high temperatures. Please be sure to fix the product in consideration of heat dissipation.
⚠1 2)The current value is designed to be 4A, taking into account variations in the LEDs.
注記：
1)本製品は高温になります。必ず放熱を考慮した固定をお願いします。
2)LEDのバラツキを考慮して電流値4Aで設計しています。

NO.	PART DESCRIPTION	MODEL NUMBER	QU.	NOTE
7	CONNECTOR		1	M12 L-Code
6	LED(UV)		-	395nm
5	LINEAR FRESNEL LENS		2	
4	CABLE LABEL		1	
3	CABLE		1	
2	HOUSING		1	Aluminium Alloy / Glass Bead Blasted Black Anodizing
1	COVER		1	Clear resin

MARK	COM-REV	DATE(YMD)	CHANGE	SIGNATURE
⚠x				
⚠x				
⚠x				
⚠1 x4	A-002	2025.Aug.07	Change Max Current & Cable dimension,add Notes	Nakazaki
⚠	A-001	2025.Jun.17	NEW	-

DESIGNED	DRAWN	CHECKED	APPROVED
Nakazaki	Nakazaki	'25.08.21 土門	'25.08.21 達

FINISH -
SURFACE -
MATERIAL -
CHAMFER -
TOLERANCE CLASS -
SCALE 1:4

UNIT:mm

MORITEX
A Cognex Company

MODEL NAME
CV-LN-500U3-M12L

PART NAME
OUTLINE DRAWING

DRAWING NO.
A24981A0100501A-002

SHEET
1/1

OLD DRAWING NO.