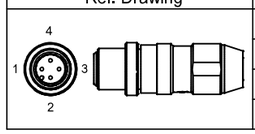
STRAIGHTNESS & FLATNESS TOLERANCE	CLASS	NOMINAL LENGTH					
		L ≤ 10	10 < L ≤ 30	30 < L ≤ 100	100 < L ≤ 300	300 < L ≤ 1000	1000 < L ≤ 3000
	H	±0.02	±0.05	±0.1	±0.2	±0.3	±0.4
	K	±0.05	±0.1	±0.2	±0.4	±0.6	±0.8

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

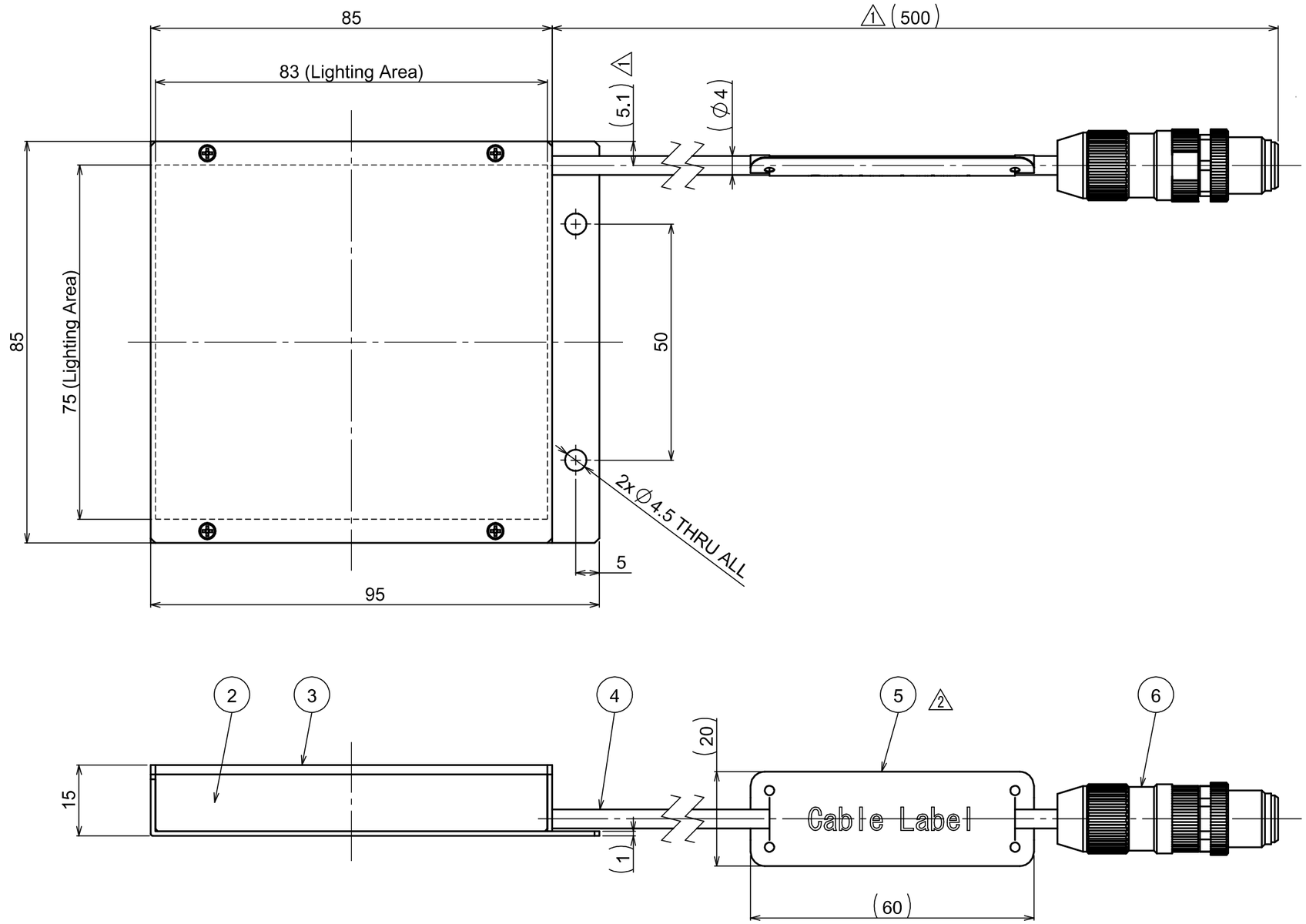
Absolute Max. Rating / 最大定格	DC24V
Total Power / 消費電力合計	7.2W
Mass / 質量	

M12 Male Connector

Ref. Drawing



No	Assign	Wire Color
1	+V	Red/Brown
2	NC	
3	-V	Black/Blue
4	NC	



NO.	PART DESCRIPTION	MODEL NUMBER	QU.	NOTE
7				
6	CONNECTOR	M12Male	1	
5	CABLE LABEL		1	
4	CABLE		1	
3	DIFFUSER PLATE		1	
2	HOUSING		1	Aluminium Alloy / Glass Bead Blasted Black Anodizing △1
1	LED(BLUE)		-	

△2

MARK	COM-REV	DATE(YMD)	CHANGE	SIGNATURE
△x				
△x				
△2 x2	A-003	2025.May.13	Add Cable Label	Okazaki
△1 x4	A-002	2024.Sep.19	Add ID	Suzuki
△x	A-001	2022.Oct.13	NEW	-

DESIGNED	DRAWN	CHECKED	APPROVED
Yong Peng	Yong Peng	モリテックス '25.05.15 土門	モリテックス '25.05.15 達

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

UNIT:mm

MORITEX
A Cognex Company

MODEL NAME
CV-FL-83X75B-M12 △1
(IMC-FL-83X75B-M)

PART NAME
OUTLINE DRAWING

DRAWING NO. A21820A0100701A-003

SHEET 1/1

OLD DRAWING NO.

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

ANGLE TOLERANCE

ORIGINAL SHEET FORMAT SIZE : A3

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

CHAMFER TOLERANCE

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

LENGTH TOLERANCE