The TUST series is designed for use in all levels of correctional facilities, behavioral health units, and high abuse applications. Anti-ligature for patient safety.

Mounting
Surface mounts to ceiling.

Clamshell Housing
One piece, die-formed cold rolled steel with tapered sides, seams welded and ground smooth, 14 gauge lens retainers and a full length, welded pin piano hinge. Stainless steel available.

Back Plate
16 gauge die-formed cold rolled steel with embossed mounting holes to create a contraband drop slot / irretrievable blade trap. Stainless steel available.

Internal Lens
Optic Plus lens (standard) completely hides diode image while providing greater than 90% light transmission.

Finish
Polyester powder-coated after phosphate pretreatment for superior adhesion and corrosion resistance. 304 Brushed stainless steel available.

Hardware
Recessed, stainless steel, tamper-proof fasteners.

Driver
0-10Vdc 1% dimming, >0.9 PF, <20% THD
Factory programmable, Operating temp -40°C Min. to 50°C Max

Wiring
Driver provided with pre-wired 3-wire self-aligning input power quick disconnect and 2-wire quick disconnect to LED module.
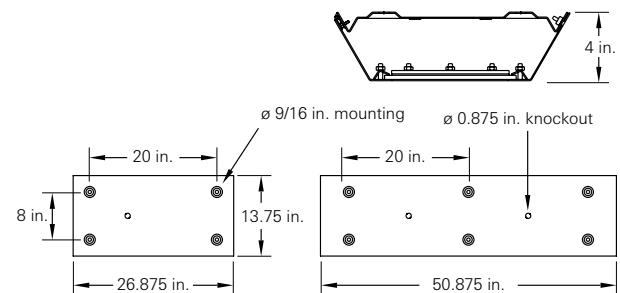
Certifications
UL Listed damp or wet location. IP34 rated.
Covered ceilings only.

Job Name

Fixture Type

Catalog No.

Approval   Date

ø 9/16 in. mounting   ø 0.875 in. knockout

4 in.

20 in.   20 in.

8 in.   13.75 in.

26.875 in.   50.875 in.

FIVE YEAR WARRANTY | IP34 RATED | W WET | c UL us | MADE IN USA

	one	two	three	four	five	six	seven	eight	nine	ten	eleven	twelve	thirteen	fourteen		fifteen
TUST	-	-	/	-		-		-	DM	-	/		-			-

one	**Luminaire Size**	**seven**	**Finish**	**twelve**	**Door Fasteners**
2	2 ft fixture	R	304 Brushed stainless steel	AP	Stainless steel allen head with pin
4	4 ft fixture	W	White	TP	Stainless steel torx head with pin
				PH	Phillips head, non-security
two	**LED Source**	**eight**	**Voltage**		
	Refer to the LED Source Table	VAR	Variable, 120-277 V, 50/60Hz	**thirteen**	**Electrical Access**
	on Page 2 for available options.	347	347VAC, 60Hz	A	2.250 in. diameter access hole
				K	0.875 in. diameter knockout(s), <u>standard</u>
three	**Color Temperature**	**nine**	**Driver**		
30	3000K	DM	0-10Vdc Dimming, <u>standard</u>	**fourteen**	**UL Listing**
35	3500K			D	Damp Location
40	4000K	**ten**	**Internal Lens**	W	Wet Location
50	5000K	122	Optic Plus LED diffusing acrylic, <u>std</u>		
		130	.125 in. LED diffusing Lexan	**fifteen**	**Options**
four	**CRI**	53	.125 in. K12 prismatic acrylic	2C	Two-circuit wired
80	80 CRI	12	.125 in K12 prismatic polycarbonate	CU	Canadian UL Listing
90	90 CRI	15	.156 in. K12 prismatic polycarbonate	EM	Emergency battery backup
		16	.187 in. K12 prismatic polycarbonate	FH	Fuse and holder
five	**Housing Gauge**	75	.156 in. C73 prismatic tempered glass	IMS	Integral Occ Sensor
N	18 gauge, minimum security			NL-LED	Night light, LED (Amber available)
D	16 gauge, medium security	**eleven**	**External Lens**		*5-100% Adjustability*
X	14 gauge, maximum security	30	.187 in. clear polycarbonate	SBP	Stainless Steel Backplate
U	12 gauge, super max, <u>CRS only</u>	32	.250 in. clear polycarbonate		
		36	.375 in. clear polycarbonate		
six	**Housing Material**	38	.500 in. clear polycarbonate		
C	Cold rolled steel	90	.187 in. clear tempered glass		
S	Stainless steel	92	.250 in. clear tempered glass		
		96	.375 in. clear tempered glass		

Modifications are available to meet custom requirements.
Specifications and dimensions are subject to change without notice.

	CRI	LED Life
	>80	>100,000

LED Source (Box 2)	3000K		3500K		4000K		5000K		Input Watts
	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	
2' Fixture									
1W24	2304	100	2339	102	2408	105	2475	108	23.0
2W45	4238	107	4301	109	4428	112	4552	115	39.6
2W60	5672	104	5757	105	5927	108	6093	111	54.8
4' Fixture									
1W25	2395	107	2431	109	2503	112	2573	115	22.3
1W45	4238	107	4301	109	4428	112	4552	115	39.6
1W60	5672	104	5757	105	5927	108	6093	111	54.8
2W80	7714	108	7830	110	8061	113	8287	116	71.5
2W109	9945	106	10095	108	10392	111	10683	114	93.7
2W125	11344	104	11515	105	11854	108	12186	111	109.6

Delivered lumen output calculated using 122 inner lens and 32 (.250″ Clear Polycarbonate) outer lens (Highlighted below).

Lens Multiplier - Use the multipliers below to adjust the delivered lumens						
Internal Lens				**External Lens**		
53	.125 in. K12 prismatic acrylic	1.00		30	.187" Clear polycarbonate	1.02
12	.125 in K12 prismatic polycarbonate	.98		32	.250" Clear Polycarbonate	1.00
15	.156 in. K12 prismatic polycarbonate	.97		36	.375" Clear polycarbonate	.96
16	.187 in. K12 prismatic polycarbonate	.95		38	.500" Clear polycarbonate	.92
75	.156 in. C73 prismatic tempered glass	.97		90	.187" Clear tempered glass	1.04
122	Optic Plus diffusing acrylic	1.00		92	.250" Clear tempered glass	1.03
90 CRI Multiplier		**.86**		96	.375" Clear tempered glass	.99

Specified Output Option

L.C. Doane programmable drivers allows us to deliver a specific lumen output. If none of the options in the chart above fit your application, let us know the desired lumen output and we will do the rest. See the example how this will be specified.

Example Model:

TUST4-**XX¹**SO-40/80-DCW-VARDM-122/32-(**XX²**/**LUMENS**)

LUMENS = You provide the lumens.
XX¹ = We will determine the number of rows.
XX² = We will provide the wattage information.