

Project:	
Location:	
Model#: CLY4-5CS-WH-FR	Type:
Client:	Qty:
Prepared by:	Date:

SERIES SPECIFICATIONS

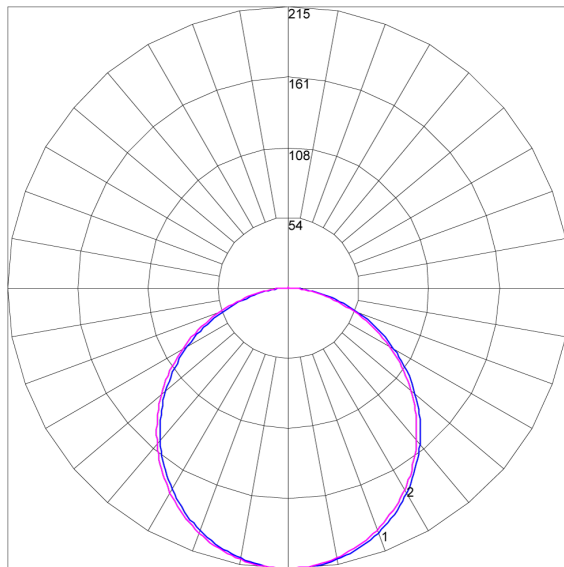


To supply TamLite CLY4-5CS-WH-FR series of LED fixtures as specified. The luminaire shall operate at 120Vac and use a TRIAC dimmable, constant current type integral driver. The housing shall be constructed of die cast aluminium finished with a textured powder coat over a chromate conversion coat. All hardware to be stainless steel. Wiring compartment to be integral with hinged wiring cover. Optics to be constructed of acrylic and be sealed via captive gasket. Rated for insulated ceiling (direct contact) and Air Tight (ASTM-E283) applications. The fixture connecting cable shall be FT6 plenum rated (UL/cUL CMP, CL2P). Fixture shall be cETLus to Canadian standards. Suitable wiring to mains power supplied by others and shall meet local code requirements.



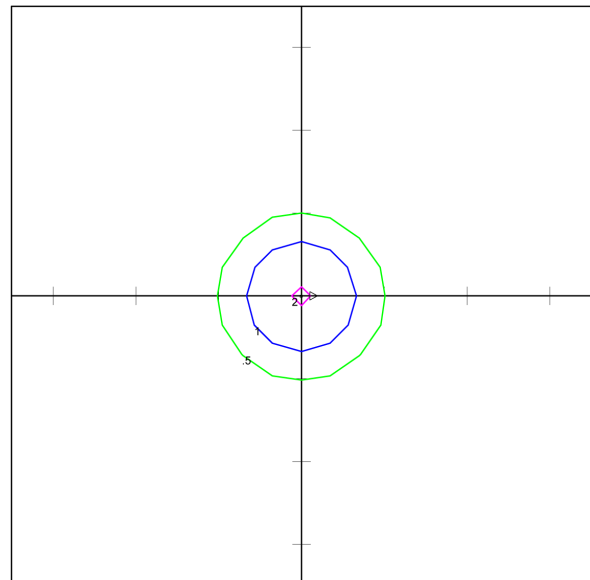
PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart



Maximum Candela = 215.002 Located At Horizontal Angle = 315, Vertical Angle = 1
 # 1 - Vertical Plane Through Horizontal Angles (315 - 135) (Through Max. Cd.)
 # 2 - Vertical Plane Through Horizontal Angles (90 - 270)

Isolux Diagram



TamLite Lighting Canada
 10 Perdue Crt. Caledon, ON
 EUD47SW-120V-WH
 4 Inch 7W LED Disk Light
 file done at 2700K

Horizontal Footcandles
 Scale: 1 Inch = 10 Ft.
 Light Loss Factor = 1.00
 Lumens Per Lamp = N.A. (absolute photometry)
 Luminaire Lumens = 600
 Mounting Height = 10.00 Ft.
 Maximum Calculated Value = 2.15 Fc
 Arrangement: Single

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Zonal Lumen Summary

ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS
0-10	20.32	40-50	107.86	80-90	10.92	120-130	0.08	160-170	0.07
10-20	58.04	50-60	96.57	90-100	0.04	130-140	0.10	170-180	0.03
20-30	87.51	60-70	72.65	100-110	0.05	140-150	0.11	--	--
30-40	104.79	70-80	40.89	110-120	0.07	150-160	0.11	--	--

Co-efficient of Utilization

CC	80				70				50			30			10			0
WALL	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
fc	20				20				20			20			20			0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	94	91	88	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38
7	65	51	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	47	38	33	59	46	38	32	45	38	32	44	37	32	42	36	32	30
9	57	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24

Initial Lumen Output: 655 lm

Beam Angle: 110°

Spacing Criteria: 1.24(0-180) 1.24(90-270)

Fire Rating: 2 Hr Rated

CCN Number: IFAO7.E470484

Efficacy: 77 lm/W

Field Angle: 160°

Environmental Rating(s): IC Rated, Air Tight ASTM E283

Ambient Operating Temp: -20°C to +40°C

Limited Product Warranty: 5 Year(s)

CBCP: 215 CD

Luminaire Type: Direct

UL Classification: Wet Location Listed

Certification Standards: cETLus, Air Tight (ASTM-E283), CAN ICES-005(B) NMB-005(B) UL263, ASTM E119, & CAN ULC S101 UL/cUL CMP, CL2P

LED SPECIFICATIONS

Source Type: LED

L90: >25,000 Hrs

Duv: 0.000995

CRI: >80

Colour Temperature: 2700K, 3000K, 3500K, 4000K, 5000K Field Selectable

L70: >44,000 Hrs

Colour Tolerance: +/- 300K



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ELECTRICAL SPECIFICATIONS

Input Voltage: 120Vac

Current Draw at 120Vac: 00.0616A

Max Operating Case Temperature: 40C

Short Circuit Protection: Auto Recovery.

The output shall return to normal when the fault condition is removed.

Input Frequency: 50/60 Hz

Max On-Delay: 1s

Dimming: TRIAC (1-10Vdc, 10% Min Light Level)

Fixture Draw: 7.39 W

Power Factor at 120Vac: > 0.95

Over Temperature Protection: Auto Recovery. Returning to normal after over temperature is removed.

PHYSICAL SPECIFICATIONS

Finish Colour: White

Mounting: Recessed

Lens Type: Diffused Opal

Finish Type: Powder Coated

Housing Material: Die-cast Aluminium

Entries: 2 @ 1/2"

Wiring: Internal junction box for through circuit wiring. fixture connecting cable shall be FT6 plenum rated UL/cUL CMP, CL2P

Lens Material: UV Stabilized Acrylic

SHIPPING INFORMATION

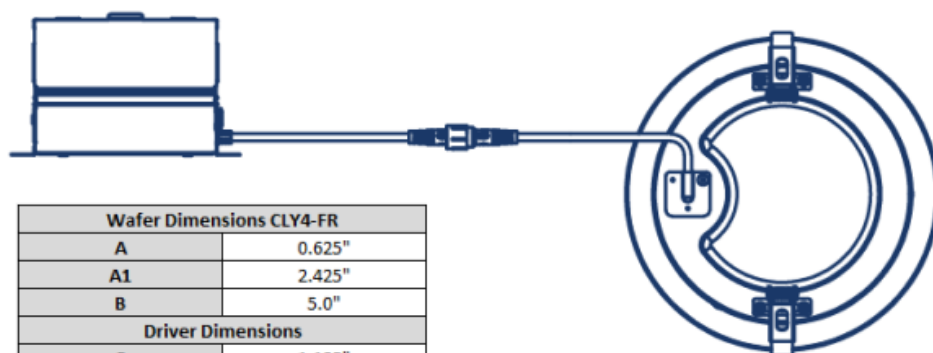
OrderingCode(s): CLY4-5CS-FR

Box Quantity: 1

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LINE DRAWING

Line Drawings



Wafer Dimensions CLY4-FR	
A	0.625"
A1	2.425"
B	5.0"
Driver Dimensions	
C	1.125"
D	4.125"
E	3.0"
Ceiling Opening DIA.	3-7/8" (3.875")