TAMLITE LIGHTING

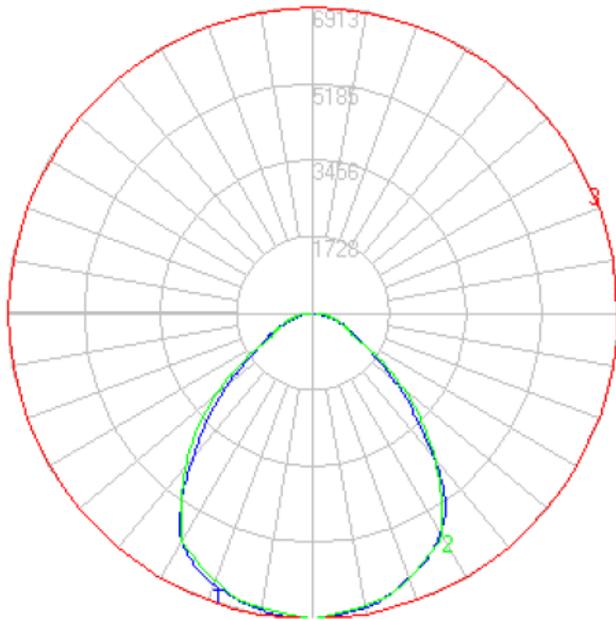| Project:		
Location:		
Model#: TAMHLX110W850M	Type:	
Client:	Qty:	
Prepared by:	Date:	

SERIES SPECIFICATIONS

To supply Tamlite TAMHLX series of LED fixtures as specified. The luminaire shall operate at 120-277Vac. The housing shall be constructed of powder-coated steel with a heat and impact resistant polycarbonate lens. All parts shall be corrosion resistant. The fixture shall be cULus Listed. The fixture shall be DLC Approved
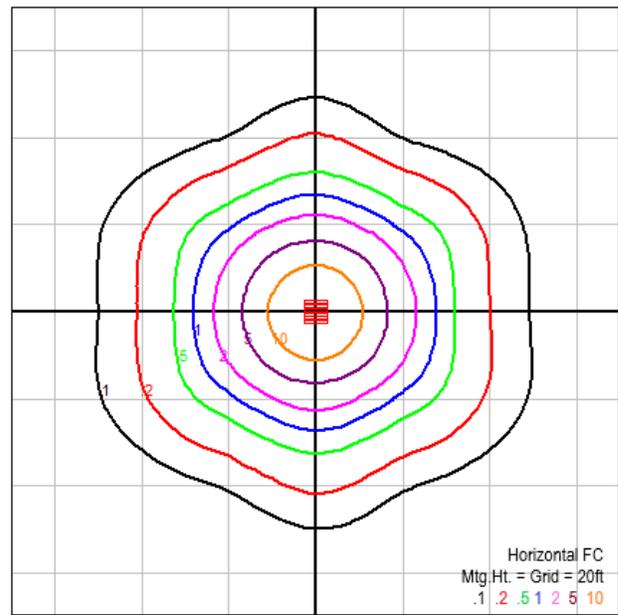
cULus LISTED | DRY LOCATION | IP20 | UNV 120-277 VAC | DIM 0-10V | LED | 5000K | 5 YEAR LIMITED WARRANTY

PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart

Isolux Diagram

Horizontal FC
Mtg.Ht. = Grid = 20ft
.1 .2 .5 1 2 5 10

Project:		
Location:		
Model#: TAMHLX110W850M	Type:	
Client:	Qty:	
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Co-efficient of Utilization

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RF	20				20				20			20			20			20
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	68	66
4	87	77	69	63	85	76	68	63	73	67	62	71	66	61	69	64	60	58
5	81	70	62	56	79	69	61	55	67	60	55	65	59	54	63	58	54	52
6	75	63	55	50	74	62	55	49	61	54	49	59	53	49	58	52	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38
9	62	49	42	36	60	49	41	36	48	41	36	47	40	36	46	40	36	34
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	42	37	33	31

Initial Lumen Output: 14,850 lm

Beam Angle: 90 deg

Spacing Criteria: 1.23 (C0-180), 1.25 (C90-270)

Ambient Operating Temp: -40C to 50C (-40? to 122?)

CCN Number: E359675

Efficacy: 135.5 lm/W

Field Angle: 140 deg

Environmental Rating(s): IP20

Certification Standards: cULus, DLC Premium 5.1

Limited Product Warranty: 5 Year

CBCP: 6,913 cd

Luminaire Type: Suspended - Direct

UL Classification: Dry Location
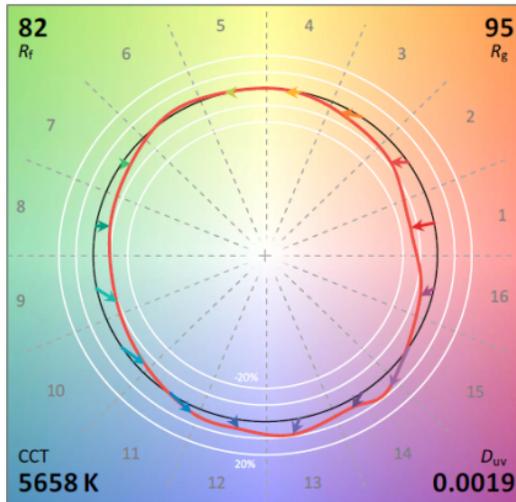
DLC Number: S-5M9JIA

LED SPECIFICATIONS

R Tables

R-Tables; Special Colour Rendering Indices Measured at 5,661K			
R1	81	R9	1
R2	88	R10	72
R3	92	R11	81
R4	82	R12	58
R5	82	R13	83
R6	83	R14	96
R7	86	R15	76
R8	666		

TM-30

Source Type: LED

CRI: 80

L90: 51,000hrs

Duv: 0.0016

Manufacturer: Lumileds

Rf: 84

Colour Temperature: 5000K

Part Number: L128-2780

Rg: 95

Chromaticity: (x=0.3794 y=0.3795

ELECTRICAL SPECIFICATIONS

Input Voltage: 120-277Vac

Internal Circuits: one (1) Driver, two(2) board sets

Inrush Current: 1.1 A2S

Power Factor at 277Vac: 0.9

Driver MTBF: 200,000hrs

Dimming: 0-10Vdc, (0% Min Light Level)

Input Frequency: 50/60 Hertz

Current Draw at 120Vac: 0.892

Max On-Delay: 1.00

THD at 120Vac(%): 0.15

Max Operating Case Temperature: 90C

Dimming Current mA: 150 mA

Fixture Draw: 105.83

Current Draw at 277Vac: 0.3910

Power Factor at 120Vac: 0.9

THD at 277Vac(%): 0.15

Surge Suppression: B grade?L-N :2KV? L&N-PE:2KV?

PHYSICAL SPECIFICATIONS

Finish Colour: Gloss White

Mounting: Suspended

Lens Type: Frosted

Entries: 3 Conduit Entries

Finish Type: Powder Coated

Housing Material: Formed Steel

Reflector Material: Painted Steel

Wiring: 3-Wire (L-N-G) 2-wire(010Vdc)

Lens Material: Polycarbonate

Weight: 2.7KG

SHIPPING INFORMATION
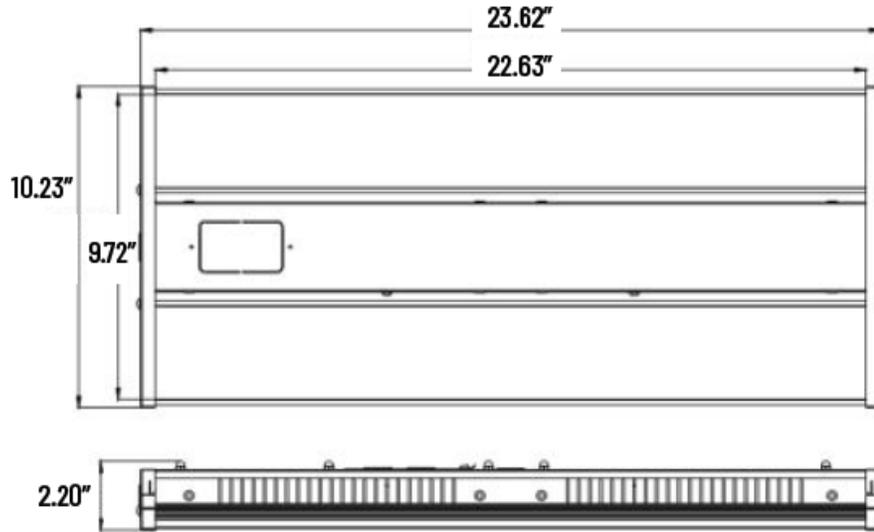
OrderingCode(s): TAMHLX110W850M

Box Weight: 3.6KG

Box Quantity: 1

Box Dimensions (L-W-H): 650*310*105 MM

LINE DRAWING

Line Drawings

SERIES ARCHITECTURE

Series Architecture

TAMHLX - 110 - 8 - 50 - M -

Series	Wattage	CRI		CCT		Lense		Options	
TAMHLX	110	8	80	50	5000K	M	Matte	Blank	aircraft cable standard
	165							OS	Microwave Occupancy Sensor
	220							SMK	Surface Mount Kit (Extra)
	300							PEN	Pendant Mount Kit (Extra)

Optional Extras: Surface Mount Kit (TAMHLXSMK-KIT)