

LONON

VANDAL RESISTANT LUMINAIRES FOR T5 LED TUBES



- Applications:
Pedestrian Subways; Footbridge; Kiosk Canopy; Cover walkway ect
- 1 mm thick zinc coated steel body finished in chemical and abrasion resistantb textured polyester powder coated
- Stainless steel security screws
- Pure aluminum reflector painted in fine textured white
- Easy installation for T5 LED tube

Technical Data

Luminaire Type-安裝方式Tipo de luminaria	Surface or Wall Mounted 表面或壁掛式 Montaje en superficie o en pared			
Dimension-尺寸-Dimensión	L: 630 x W120 x H100mm L1230 x W120 x H100mm L1530 x W120 x H100mm			
Input Voltage / 輸入電壓 Voltaje de entrada	220-240V/AC 50/60Hz			
Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED	Single Tube Batten LED T5 2feet : 7W - 1 pcs x 7W LED T5 8W - 1 pcs x 8W LED T5 2feet : 9W - 1 pcs x 9W LED T5 10W - 1 pcs x 10W LED T5 4feet : 12W - 1 pcs x 12W LED T5 14W - 1 pcs x 14W LED T5 4feet : 16W - 1 pcs x 16W LED T5 18W - 1 pcs x 18W LED T5 4feet : 20W - 1 pcs x 24W LED T5 5feet : 22W - 1 pcs x 22W LED T5 25W - 1 pcs x 25W LED T5 5feet : 28W - 1 pcs x 28W LED T5 32W - 1 pcs x 32W LED T5 Twin Tube Batten LED T5 2feet : 14W - 2 pcs x 7W LED T5 16W - 2 pcs x 8W LED T5 2feet : 18W - 2 pcs x 9W LED T5 20W - 2 pcs x 10W LED T5 4feet : 24W - 2 pcs x 12W LED T5 28W - 2 pcs x 14W LED T5 4feet : 32W - 2 pcs x 16W LED T5 36W - 2 pcs x 18W LED T5 4feet : 48W - 2 pcs x 24W LED T5 5feet : 44W - 2 pcs x 22W LED T5 50W - 2 pcs x 25W LED T5 5feet : 54W - 2 pcs x 28W LED T5 64W - 2 pcs x 32W LED T5			
LED Driver Type LED驅動款式 Tipo de controlador LED	Integrate-type LED Driver--Constant Current LED Driver Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. 0-10V Dimming Step (50%, 75%, 85% and 100%) for DC LED T5 3. Dali Dimming Driver AC220-240V 50/60HZ or DC LED T5 4. Microwave sensor / PIR Sensor / Daylight Sensor 5. Emergency Backup >2 hours or >3 hours @ < 12 charger hours應急電池/Copia de seguridad de emergencia			
LED Driver Features Constant Current LED Driver: 驅動特性-恆流LED驅動器 Funciones del controlador de LED	POWER FACTOR : PF>0.95 TOTAL HARMONIC DISTORTION: THD<15%			
Control Protocol/控制協議/Protocolo de Control	1-10V/ PIR/ Microwave sensor/ DALI			
"Lumen Maintenance LM-80 Reported by TM-21"	L70 > 60,000 hrs			
LED Life-LED壽命-La vida del LED	>100,000 hours			
Color Temperature -色溫 Temperatura del color	3000K / 4000K / 5000K / 6500K			
Color Rendering Index-顯色指數 Índice de reproducción cromática	>80			
MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse	Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM			
Beam Angle光束角ángulo de haz	120°			
Luminaire Efficacy燈具效率 La eficacia de la luminaria	Clear diffuser: 110 Lm/w(3000K) 110 Lm/w(4000K) 120 Lm/w(5000K) 120 Lm/w(6500K) Milky diffuser: 90 Lm/w(3000K) 100 Lm/w(4000K) 110 Lm/w(5000K) 110 Lm/w(6500K)			
LED T5 Tube Luminous Efficacy LED T5 Tube光效 Eficacia del tubo LED T5	180 Lm/w (3000K) 190 Lm/w (4000K) 200 Lm/w (5000K) 200 Lm/w (6500K) Basing on TUTA- LED T5 Master Version			
Housing materials-外殼材料 Materiales de la carcasa	1 mm Zinc coated steel body with resistant textured polyester powder Inner Zinc coated steel reflector in white polyester powder coat , Gasket and Milky Polycarbonate 1 毫米鍍鋅鋼燈體, 表面採用耐磨紋粉末塗層內置鍍鋅鋼反射器, 表面採用白色粉末塗層, 配有墊圈和乳白PC乳白罩			
Housing Color外殼顏色 color de la carcasa	Matte White RAL9003 啞白色 RAL9003 Blanco mateRAL9003			
Ingress Protection-防護等級 Protección de ingreso	IP65			
Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos	IK 10			
Operating Humidity -工作濕度 Humedad de funcionamiento	0~100%, non-condensing-不結霜 sin condensación			
Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcion amiento	-30 °C / +50 °C			
Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba	LED Luminaries: LVD: IEC/EN 60598-1;EN / IEC/EN 60598-2-1;IEC62471;IEC/EN 62031; IEC/EN 62493 ; IEC/EN 62471 TM21 LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2 IEC/EN 61000-3-3;IEC/EN61574; EN 55015 ; IEC /EN 62384			
Certification-認證-Certificación	        			

Project	Fixture#	Date
		Firm

Ordering Information

Choose the option that suits your need and write its corresponding code on the appropriate line to form the product code.

Example product code: [LONON-16W](#)

LONON - -

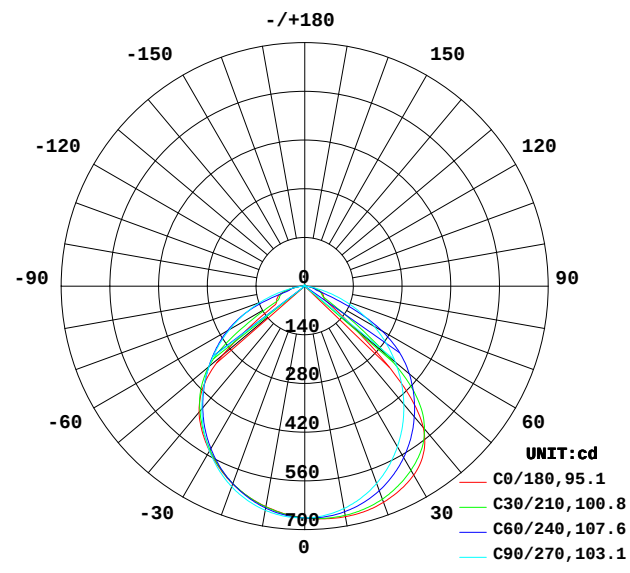
POWER
CONSUMPTION

POWER CONSUMPTION	
Code	Description
7W	1x 7W 2ft LED T5 @ L630 x120 x100mm
8W	1x 8W 2ft LED T5 @ L630 x120 x100mm
9W	1x 9W 2ft LED T5 @ L630 x120 x100mm
1X10W	1x 10W 2ft LED T5 @ L630 x120 x100mm
12W	1x 12W 4ft LED T5 @ L1230 x120 x100mm
14W	1x 14W 4ft LED T5 @ L1230 x120 x100mm
16W	1x 16W 4ft LED T5 @ L1230 x120 x100mm
18W	1x 18W 4ft LED T5 @ L1230 x120 x100mm
20W	1x 20W 4ft LED T5 @ L1230 x120 x100mm
22W	1x 22W 5ft LED T5 @ L1530 x120 x100mm
25W	1x 25W 5ft LED T5 @ L1530 x120 x100mm
28W	1x 28W 5ft LED T5 @ L1530 x120 x100mm
32W	1x 32W 5ft LED T5 @ L1530 x120 x100mm
14W	2x 7W 2ft LED T5 @ L630 x120 x100mm
16W	2x 8W 2ft LED T5 @ L630 x120 x100mm
18W	2x 9W 2ft LED T5 @ L630 x120 x100mm
20W	2x 10W 2ft LED T5 @ L630 x120 x100mm
24W	2x 12W 4ft LED T5 @ L1230 x120 x100mm
28W	2x 14W 4ft LED T5 @ L1230 x120 x100mm
32W	2x 16W 4ft LED T5 @ L1230 x120 x100mm
36W	2x 18W 4ft LED T5 @ L1230 x120 x100mm
40W	2x 20W 4ft LED T5 @ L1230 x120 x100mm
44W	2x 22W 5ft LED T5 @ L1230 x120 x100mm
50W	2x 25W 5ft LED T5 @ L1230 x120 x100mm
56W	2x 28W 5ft LED T5 @ L1230 x120 x100mm
64W	2x 32W 5ft LED T5 @ L1230 x120 x100mm

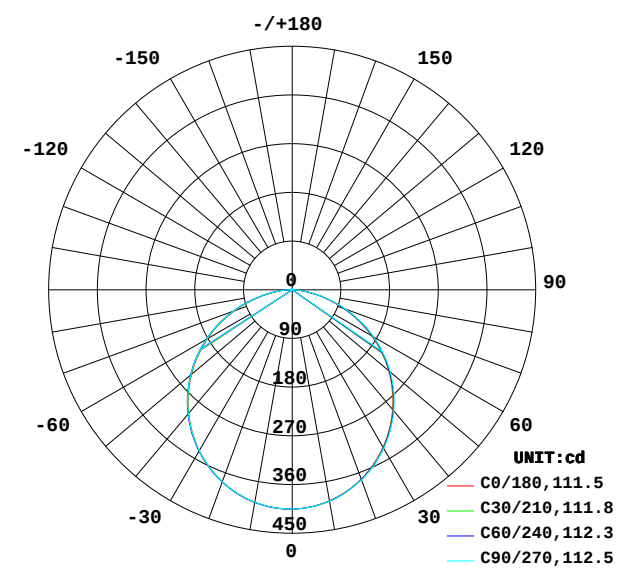


Integrated 0-10V or Dali Dimmable
LED Driver & Selector Switch for
Dimming Output:
Rotary (0/1-10V) Dimming (50%,
75%, 85% and 100%)

BEAM ANGLE

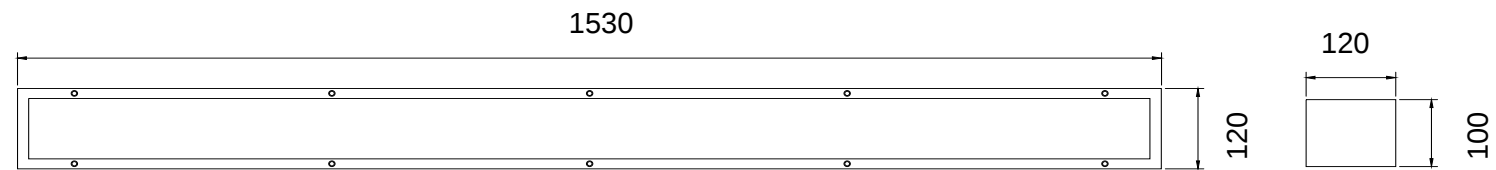
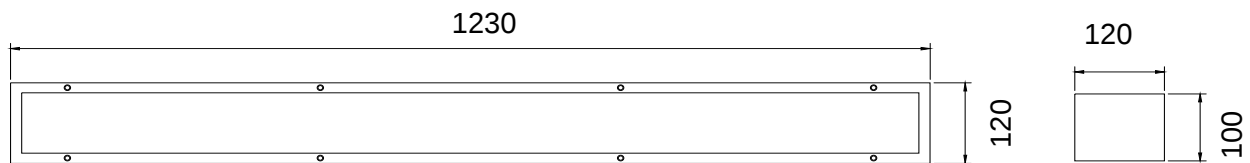
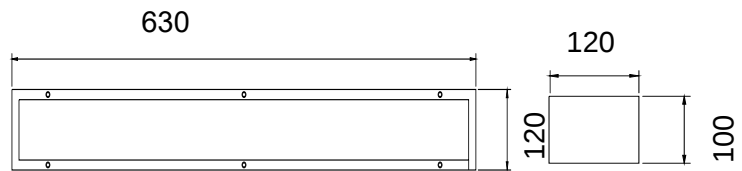


Clear Polycarbonate

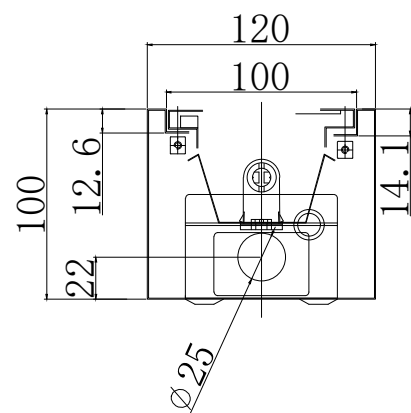
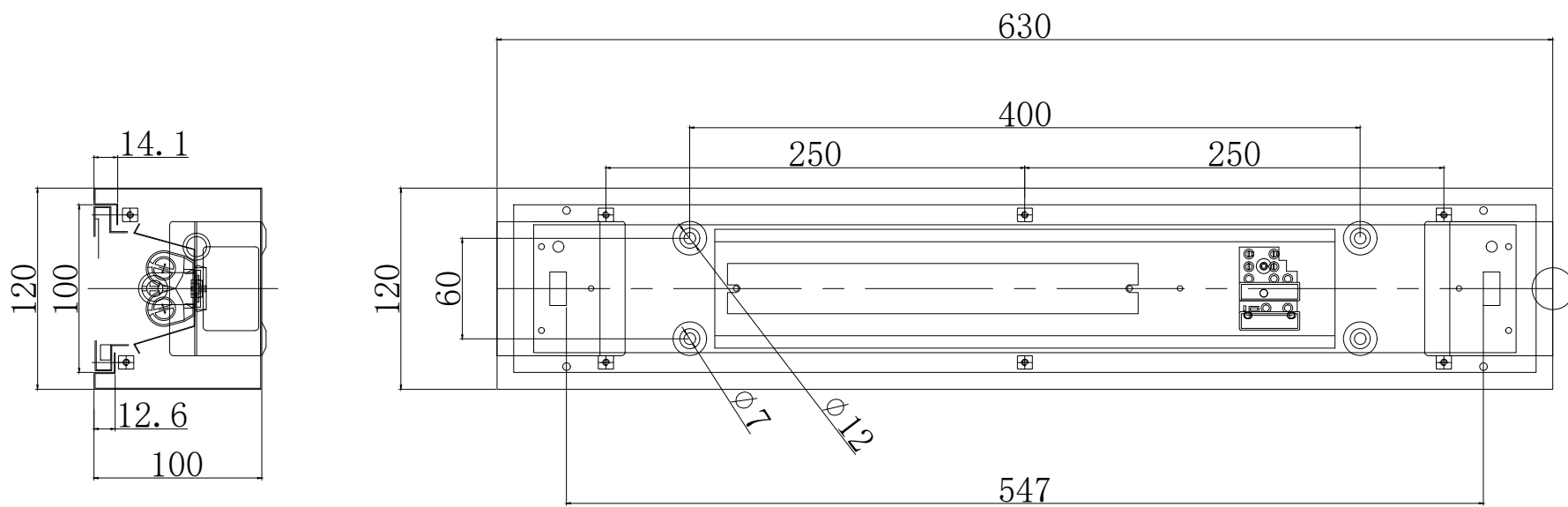
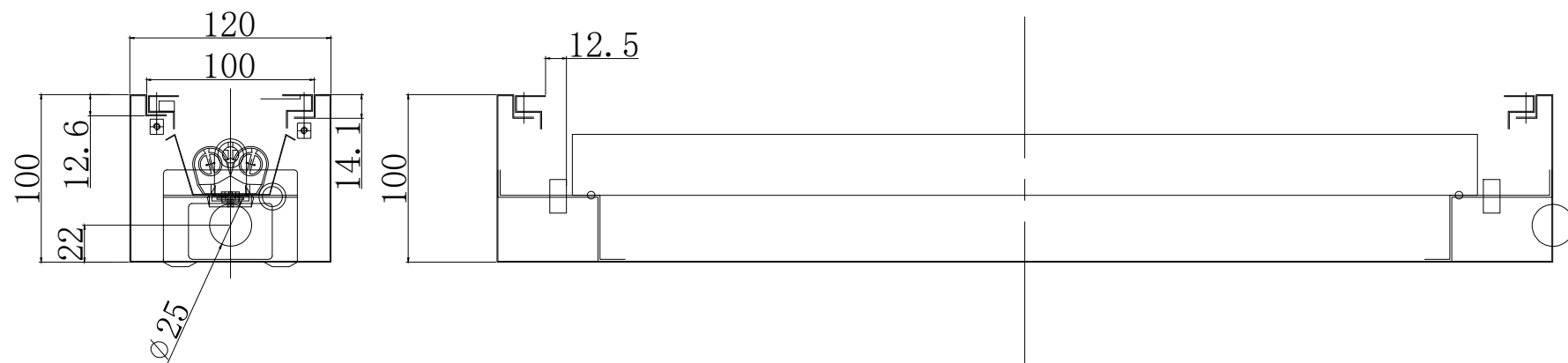


Opal Polycarbonate

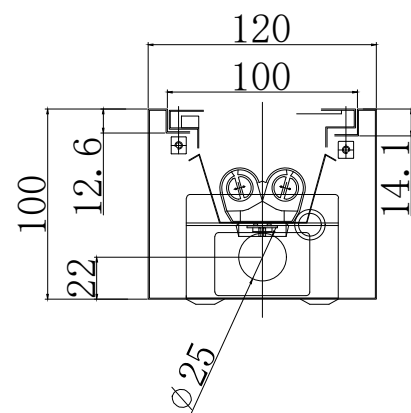
Technical Drawing



Unit: mm



Single



Twin

DIMON
Technology

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Job Title:

Drawing Name:

LONON-01

Drawing NO.: TD-240731-001

Drawing Scale: AS SHOW

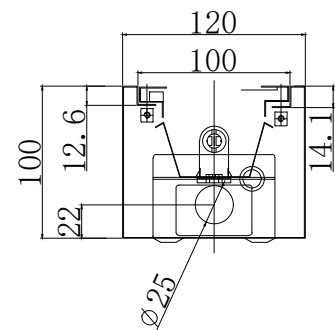
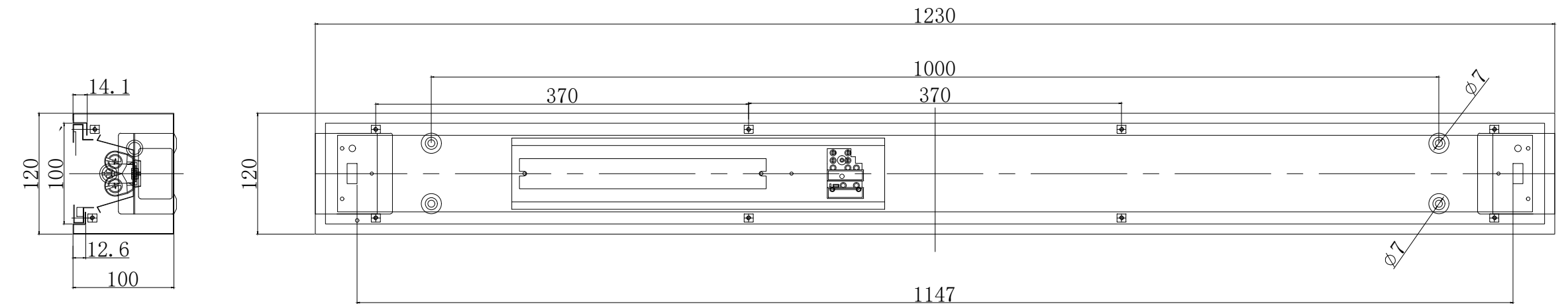
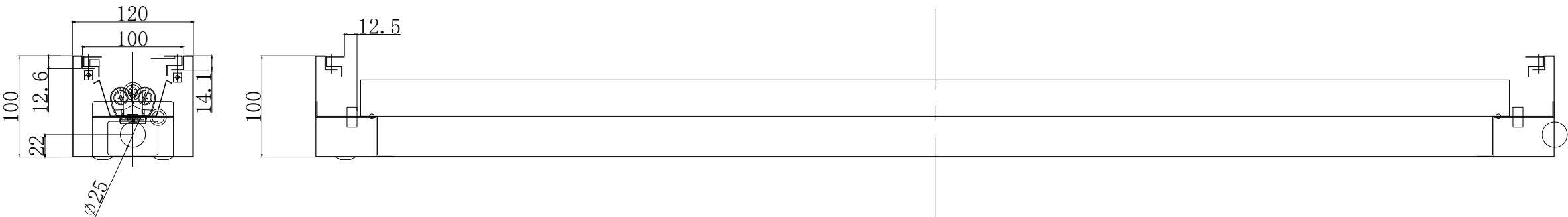
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Drawing: Joyi

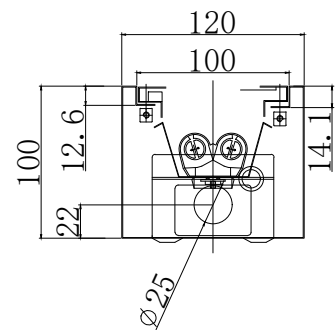
Collate: Alove

Auditing: Denny

Drawing Version: V2



Single



Twin

DIMON
Technology

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Job Title:

Drawing Name:

LONON-02

Drawing NO.: TD-240731-002

Drawing Scale: AS SHOW

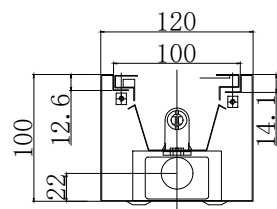
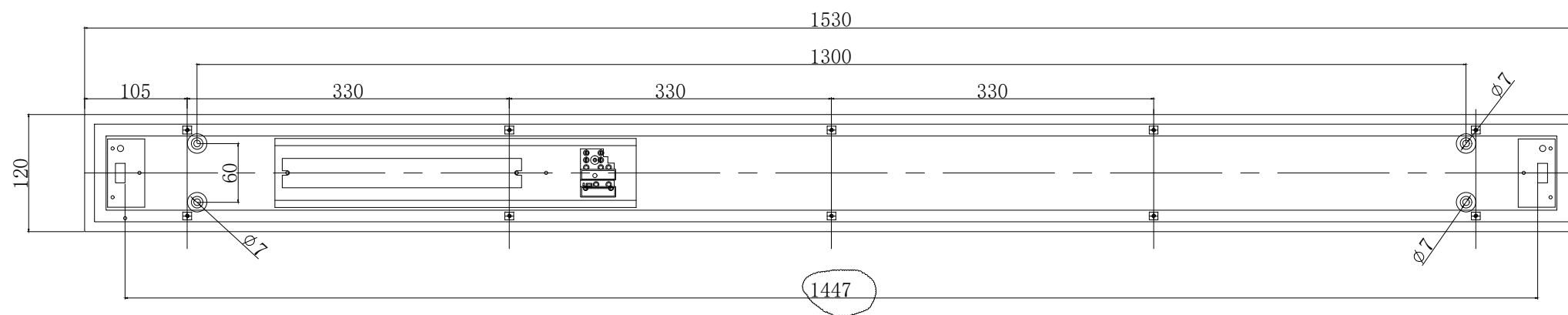
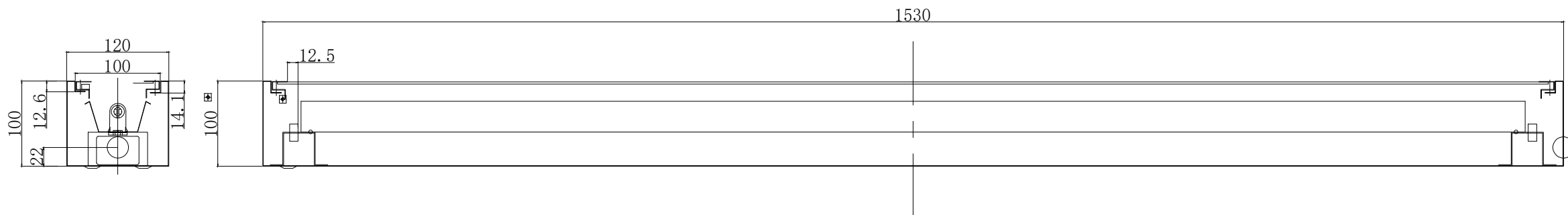
Drawing Date: 2024/07/30

Drawing: Joyi

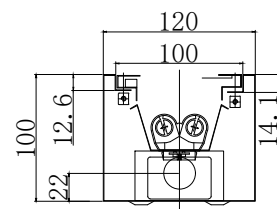
Collate: Alove

Auditing: Denny

Drawing Version: V2



Single



Twin

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Technology

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Job Title:

Drawing Name:

LONON-03

Drawing NO.: TD-240731-003

Drawing Scale: AS SHOW

Drawing Date: 2024/07/30

Drawing: Joyi

Collate: Alove

Auditing: Denny

Drawing Version: V2

Use 1 set LED T5 16W

DIMON
TECHNOLOGY

Technical Datasheet

TUTA

LED T5 Tube 30W Max



LED T5 Tube is a cost-effective LED replacement for T5 fluorescent tubes and made by aluminum shell with PC cover. The luminaire is compatible with existing T5 installations in look and feel with far superior lighting performance. With its extremely long lifetime 50,000 hours.

Technical Data

Cap base 燈腳 Base de la tapa	G5
Dimension-尺寸-Dimensión	• 2 feet 548mm (562mm) 3 feet 848mm (862mm) • 4 feet 1148mm (1162mm) 5 feet 1448mm (1462mm)
Input Voltage-輸入電壓-Voltaje de entrada	• AC100-240V 50/60Hz / DC220-240V • DC Input for Remoted LED Dimming Driver 1-10V / Dali / Zigbee Wireless Dimming Control
Power Consumption 燈具功率 Consumo de energía Max	• 6W @ 2 feet 8W @ 2 feet 9W @ 2 feet 10W @ 2 feet • 11W @ 3 feet 13W @ 3 feet • 14W @ 4 feet 16W @ 4 feet 18W @ 4 feet 20W @ 4 feet • 22W @ 5 feet 26W @ 5 feet 30W @ 5 feet
Power factor 功率因數 Factor de potencia	PF > 0.95
TOTAL HARMONIC DISTORTION 總諧波失真 DISTORSIÓN ARMÓNICA TOTAL	THD < 18%
Beam Angle 光束角 ángulo de haz	140°
Light Source Brand-光源品牌-Fuente de luz de marca	Everlight SMD
Photobiological safety-IEC 62471 / of Luminaire 光生物安全檢驗(ICE/EN 62471) 結果: Seguridad fotobiológica-IEC 62471	Low Risk Group 1 (RG 1) 低風險組1 (RG 1) Grupo de bajo riesgo 1 (RG 1)
LED Life-LED壽命-La vida del LED	>50,000 hours
Lumen Maintenance TM-21 L70 @ 25 °C 流明維持率(光通量衰減) 報告: TM-21 L70 @ 25 °C Mantenimiento de lúmenes ITM-21 L70 @ 25 °C	L70 > 54,000hours
Color Temperature -色溫 Temperatura del color	• 2700k 3000K 4000K 5000K 6500K
Color Rendering Index-顯色指數 Índice de reproducción cromática	> 80
MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse	Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM
Luminaire Efficacy 燈具效率 La eficacia de la luminaria	Standard Series • 110 Lm/w@ 2700K 120 Lm/w@ 3000K 130 Lm/w@ 4000K • 130 Lm/w@ 5000K 130 Lm/w@ 6500K Advance Series • 140 Lm/w@ 2700K 140 Lm/w@ 3000K 150 Lm/w@ 4000K • 160 Lm/w@ 5000K 160 Lm/w@ 6500K High Efficiency Series • 170 Lm/w@ 2700K 170 Lm/w@ 3000K 190 Lm/w@ 4000K • 200 Lm/w@ 5000K 200 Lm/w@ 6500K
Housing materials-外殼材料 Materiales de la carcasa	6063 Aluminum shell and PC cover 6063鋁殼和PC罩 Cáscara de aluminio 6063 con cubierta de policarnato.
Housing Color外殼顏色color de la carcasa	Milky Diffuser 乳白色罩 Milky difusor
Weight 重量 Peso	• 175g @2feet 221g @3feet 276g @4feet 357g @5feet
Ingress Protection-防護等級 Protección de ingreso	IP40
Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento	Rango de temperatura de funcionamiento -30 °C / +50 °C
Operating Humidity -工作濕度 Humedad de funcionamiento	0~90%, non-condensing-不結霜 sin condensación
Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba	EN/IEC 60598-1 ; EN/IEC60598-2-1 ; EN / IEC 60598-2-2 TR62778 EN/IEC 62031; EN60838-2-2 ; EN 62493;EN/IEC 61347-1; EN/IEC 61347-2-13; IEC 62384 EMC EN55005 ;EN 61000-3-2 ;EN 61000-3-3; EN 61547 ; IEC62384 ; IEC 62560:2011;IEC 62612; IEC 62766-1; IEC 62766-2-1 ROHS ; TM21
Certification-認證-Certificación	    

Project	Fixture#	Date
		Firm

Ordering Information

Choose the option that suits your need and write its corresponding code on the appropriate line to form the product code.

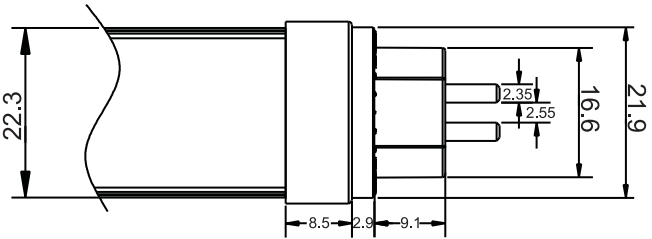
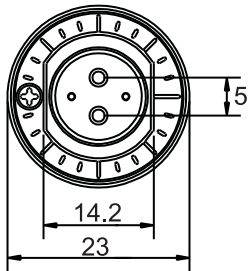
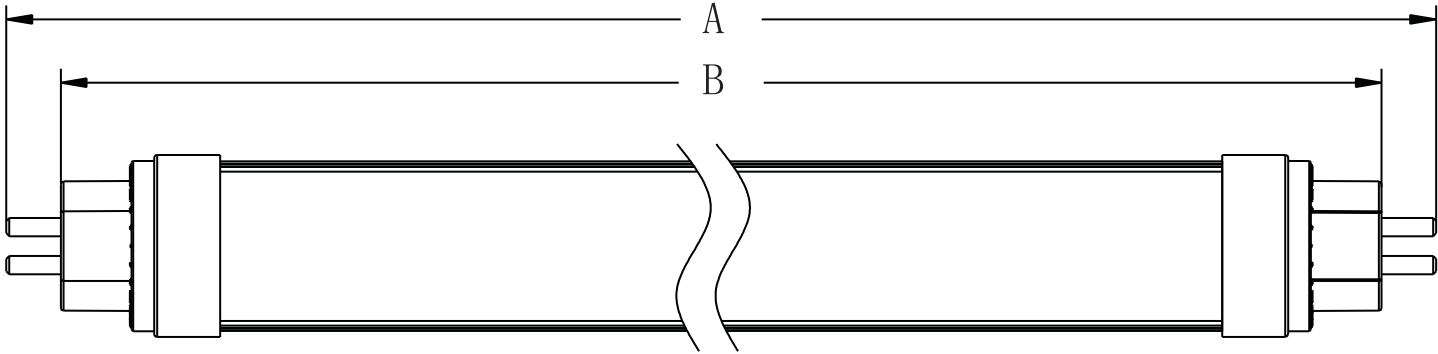
Example product code: [TUTA-13W](#)

TUTA - -
Power Consumption

Power Consumption	
Code	Description
6W	6W @ 2 feet
8W	8W @ 2 feet
9W	9W @ 2 feet
10W	10W @ 2 feet
11W	11W @ 3 feet
13W	13W @ 3 feet
14W	14W @ 4 feet
16W	16W @ 4feet
18W	18W @ 4 feet
20W	20W @4 feet
22W	22W @ 5 feet
26W	26W @ 5 feet
30W	30W @ 5 feet



	2feet	3feet	4feet	5feet
	548 Dimension	848 Dimension	1148 Dimension	1448 Dimension
A:	562	862	1162	1462
B:	548	848	1148	1448



Unit: mm

BEAM ANGLE

