DIMON
T E C H N O L O G Y

PONEE

Back-lit Panel Light 20-60W IP40 & IP65

CE RoHS IP40 IP65 0-10V DALI 2 ZigBee®

Direct lighting product with high lumen efficiency.
It makes full use of all light and is more cost-effective compared with side lighting LED panel light.
Adopt an optical lens to offer a uniform light effect.
It has an integrated iron plate, providing great thermal management.
Application Areas: Office & school lighting: office room, meeting room, classroom, etc.

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Technical Data

Installation Method / 安裝方式 Método de instalación	Recessed / Suspended Mounted / 嵌入式 / 吊裝 Empotrable / Suspendido Montado
Power Consumption / 燈具含驅動功率 Consumo de energía	20W 24W 30W 36W @ L: 595mm x W: 595mm x 32mm 30W 36W 40W 48W 54W 60W @L: 1195mm x W: 595mm x 32mm
Input Voltage / 輸入電壓 Voltaje de entrada	220-240V/AC 50/60Hz (with remote driver)
LED Driver Type LED驅動款式 Tipo de controlador LED	Remote-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 AC 220-240V 50/60HZ 2. 0/1-10V Dimming Driver AC 220-240V 50/60HZ 3. DALI Dimming 1-100% Driver AC 220-240V 50/60HZ 4. Emergency Battery Backup >2 hours or >3 hours
LED Driver Features / 驅動特性 Funciones del controlador de LED	Power Factor: >0.9 Total Harmonic Distortion: THD<20%
Control Protocol / 控制協議 / Protocolo de Control	0/1-10V / DALI / Zigbee Wirelss
Light Source Brand / 光源品牌 / Fuente de luz de marca	Lumileds / Osram / Cree
Lumen Maintenance LM-80 Reported by TM-21	L70 > 54,000 hrs
LED Life / LED壽命 / La vida del LED	>100,000 hours
Color Temperature / 色溫 Temperatura del color	27000K 3000K 4000K 5000K 6500K Red 620-630nm (Tailor Made)
Color Rendering Index / 顯色指數 Índice de reproducción cromática	>80 >90
MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse	Standard Deviation Colour Matching < 5 SDCM 標準偏差配色< 5 SDCM Coincidencia de color estándar Desviación < 3 SDCM
Beam Angle / 光束角 / ángulo de haz	110 °
Luminaire Efficacy / 燈具效率 La eficacia de la luminaria	CRI80 : 100 Lm/w (2700K) 110 Lm/w (3000K) 110 Lm/w (4000K) 120 Lm/w (5000K/6500K) CRI90 : 90 Lm/w (2700K) 100 Lm/w (3000K) 100 Lm/w (4000K) 110 Lm/w (5000K/6500K) Red: 38 LM/W
LED Source Luminous Efficacy / LED光源光效 Fuente luminosa LED Eficacia	CRI80 : 130 Lm/w (2700K) 140 Lm/w (3000K) 140 Lm/w (4000K) 150 Lm/w (5000K/6500K) CRI90 : 110 Lm/w (2700K) 120 Lm/w (3000K) 130 Lm/w (4000K) 130 Lm/w (5000K/6500K) Red: 80 LM/W
Housing materials / 外殼材料 Materiales de la carcasa	Iron Frame, PMMA lens and Polycarbonate / PS Diffuser 鐵框架、PMMA鏡片和聚碳酸酯/PS擴散器 Montura de hierro, lente de PMMA y difusor de policarbonato / PS.
Housing Color / 外殼顏色 color de la carcasa	White Painted / 白色 Pintado de blanco
Ingress Protection / 防護等級 Protección de ingreso	IP40 IP65
Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcion amiento	-20 ℃ / + 45 ℃
Operating Humidity / 工作濕度 / Humedad de funcionamiento	0~90%, non-condensing / 不結霜 / sin condensación
Dimension / 尺寸 / Dimensión	L: 595mm x W: 595mm x H: 32 mm (Not include driver box height) L: 1195mm x W: 595mm x H: 32 mm (Not include driver box height)
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 (Risk Group 1) 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	CE RoHS IP40 IP65 0-10V DALI 2 ZigBee

Project	Fixture#	Date
		Firm

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Ordering Information

Choose the option that suits your need and write its corresponding code on the appropriate line to form the product code.
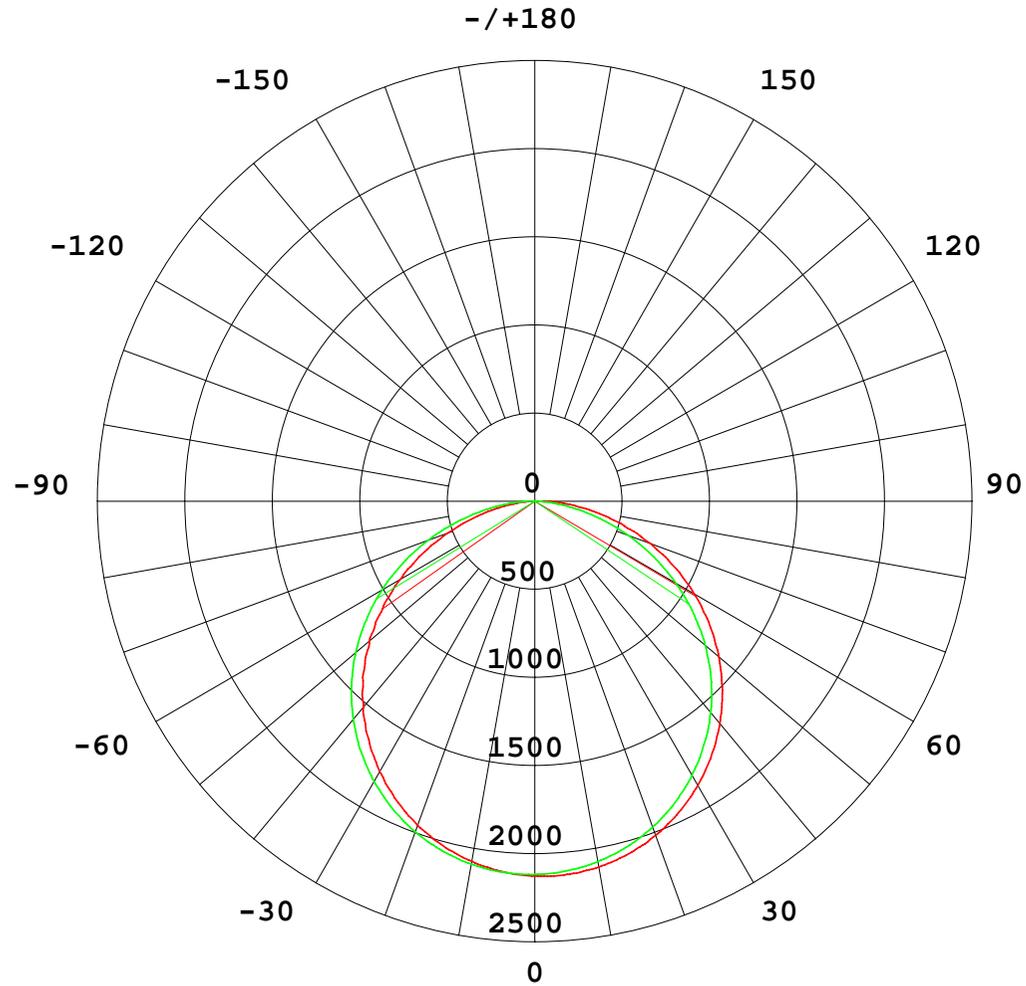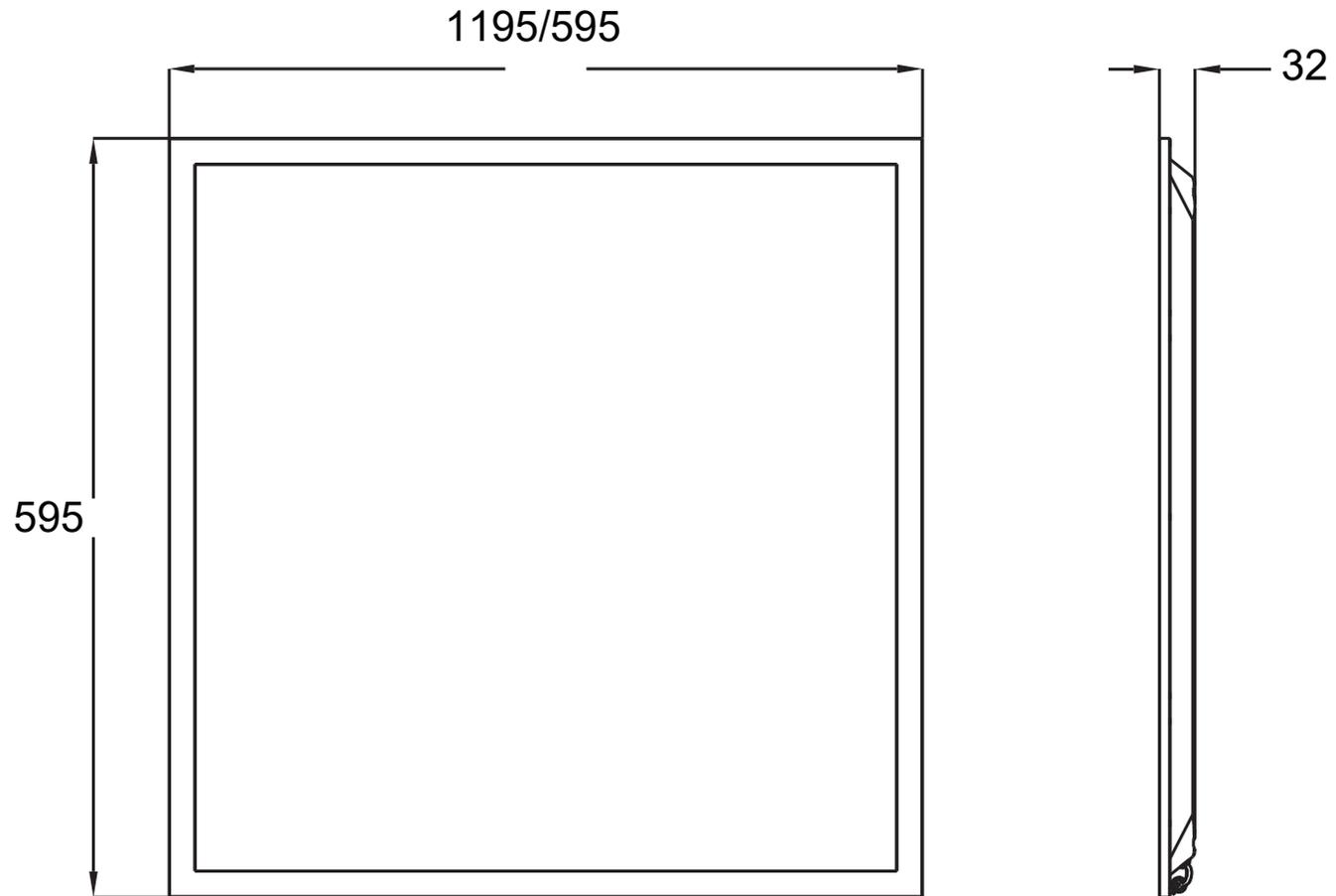
Example product code: PONEE-36W

PONEE -   -
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POWER
CONSUMPTION

POWER CONSUMPTION	
Code	Description
20W	20W @ L:595mm x W:595mm
24W	24W @ L:595mm x W:595mm
30W	30W @ L:595mm x W:595mm or L:1195mm x W:595mm
36W	36W @ L:595mm x W:595mm or L:1195mm x W:595mm
40W	40W @ L:1195mm x W:595mm
48W	48W @ L:1195mm x W:595mm
54W	54W @ L:1195mm x W:595mm
60W	60W @ L:1195mm x W:595mm

Beam Angle

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1195/595

32

595

Unit: mm