



SIMPLITZ® Panel Optimum

Datasheet



IP20

Simplitz® Panel Optimum is an economic and energy-saving replacement for traditional office panel / louvers. With three sizes and three different ways of mounting, it perfectly fits a variety of applications to provide quality general lighting that enhances sense of well-being.

Benefits

Simple shape with stable quality

- Strong frame with extrusion aluminum
- Easy installation

Stable performance with safety and reliability

- Up to 125 lm/W
- $PF \geq 0.95$
- $UGR \leq 19$
- 50,000hrs lumen maintenance - L70@25°C

Full range to fulfill all applications

- Sizes are 2ft×2ft, 4ft×1ft, 4ft×2ft
- Power 32W, 42W
- CCT 4000K, 5700K, 6500K
- Control ON&OFF, 0-10V DIM, DALI
- Recessed, suspended, integrated ceiling mounting

Applications

- Offices
- Schools
- Banks
- Stores
- Public buildings

SIMPLITZ® Panel Optimum

Technical Data

Optical Specifications

		2ft×2ft 32W	4ft×1ft 32W	4ft×2ft 42W
		32W	32W	42W
Luminous Flux	@ 4000K	4000lm	4000lm	5250 lm
Efficacy	@ 4000K	125lm/w		
CCT		4000K, 5700K, 6500K		
CRI		≥80		
SDCM		≤5		
UGR		≤19		
Beam Angle		90°		

Electrical and Mechanical Specifications

Input Voltage	220-240V AC 50/60Hz		
Power Consumption	32W	32W	42W
Power Factor	≥0.95		
Surge protection	L-N 1KV, L/N-Ground 2KV		
Dimension (L × W × H)	Recessed	595mm×595mm×9mm	1195mm×295mm×9mm
	Integrated Ceiling	600mm×600mm×16mm	1200mm×300mm×16mm
Weight	2.6kg	2.8kg	5.6kg
Lens	PMMA		
Housing	Aluminium frame		

System Specifications

Power	220-240V AC 50/60Hz
Control	ON/OFF, 0-10V DIM, DALI
Mounting Type	Recessed, Suspended and Integrated ceiling mounting (Accessories purchase separately)
Operating Temperature	-20°C to +40°C
Storage Temperature	-20°C to +60°C
Environment	Indoor (IP20)
Lumen Maintenance	L70@25°C - 50,000hrs
Safety Approval	Electrical Protection Class II, CCC, RoHS

Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.

Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.

Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED module.

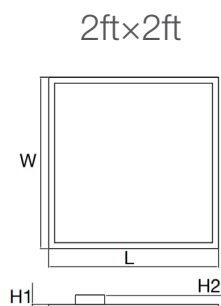
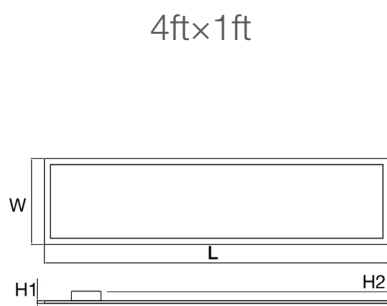
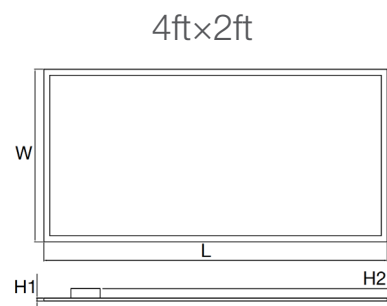
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Specifications are subject to change without notice. Errors and omission excepted, always make sure to use the most recent release.

SIMPLITZ® Panel Optimum

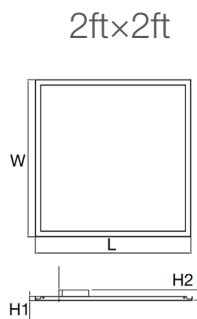
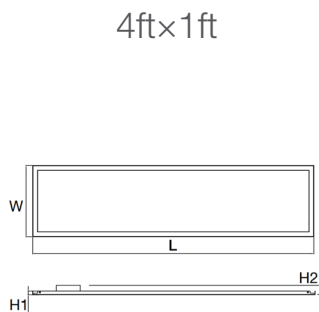
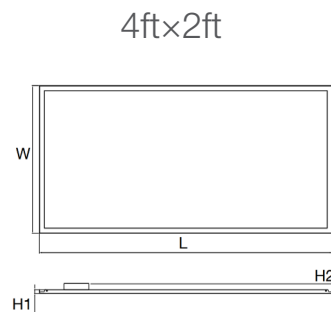
Dimension (Unit: mm)

Recessed/Suspended Mounting



	2ft x 2ft 32W	4ft x 1ft 32W	4ft x 2ft 42W
L	595mm	1195mm	1195mm
W	595mm	295mm	595mm
H1	9mm	9mm	11mm
H2 @ON/OFF	37mm	37mm	39mm
H2 @DALI	42mm	42mm	44mm

Integrated Ceiling Mounting

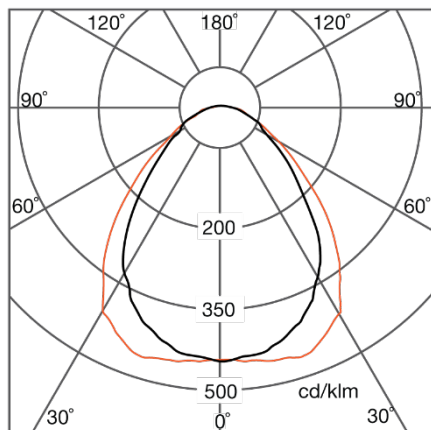


	2ft x 2ft 32W	4ft x 1ft 32W	4ft x 2ft 42W
L	600mm	1200mm	1200mm
W	600mm	300mm	600mm
H1	16mm	16mm	16mm
H2 @ON/OFF	35.8mm	35.8mm	35.8mm
H2 @DALI	40.8mm	40.8mm	40.8mm

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Photometrics

Light Distribution Curve



Illuminance at Distance

	Center Beam Lux/klm	Beam Width	
		V	H
0.5m	1849	0.88m	1.05m
1.0m	462	1.76m	2.11m
1.5m	205	2.64m	3.16m
2.0m	116	3.53m	4.22m
2.5m	74	4.41m	5.27m
3.0m	51	5.29m	6.32m

For feet multiply by 3.28

● Horiz. Spread: 93.0°

● Vert. Spread: 82.8°

For fc divide by 10.7

SIMPLITZ® Panel Optimum

Ordering Codes

Fixture (ON/OFF Version)

Short Text	Power (W)	Size	CCT	Beam angle	IC
SIM PL OPT 0606 32W 840 GC VS6 OSRAM	32W	2ft×2ft	4000K	90°	GL23100266155
SIM PL OPT 0606 32W 857 GC VS6 OSRAM	32W	2ft×2ft	5700K	90°	GL23100266255
SIM PL OPT 0606 32W 865 GC VS6 OSRAM	32W	2ft×2ft	6500K	90°	GL23100266355
SIM PL OPT 0312 32W 840 GC VS6 OSRAM	32W	4ft×1ft	4000K	90°	GL23100266455
SIM PL OPT 0312 32W 857 GC VS6 OSRAM	32W	4ft×1ft	5700K	90°	GL23100266555
SIM PL OPT 0312 32W 865 GC VS6 OSRAM	32W	4ft×1ft	6500K	90°	GL23100266655
SIM PL OPT 0612 42W 840 GC VS6 OSRAM	42W	4ft×2ft	4000K	90°	GL23100266755
SIM PL OPT 0612 42W 857 GC VS6 OSRAM	42W	4ft×2ft	5700K	90°	GL23100266855
SIM PL OPT 0612 42W 865 GC VS6 OSRAM	42W	4ft×2ft	6500K	90°	GL23100266955
SIM PL OPT 0606 32W 840 IT GC VS5 OSRAM	32W	2ft×2ft	4000K	90°	GL23100267055
SIM PL OPT 0606 32W 857 IT GC VS5 OSRAM	32W	2ft×2ft	5700K	90°	GL23100267155
SIM PL OPT 0606 32W 865 IT GC VS5 OSRAM	32W	2ft×2ft	6500K	90°	GL23100267255
SIM PL OPT 0312 32W 840 IT GC VS5 OSRAM	32W	4ft×1ft	4000K	90°	GL23100267355
SIM PL OPT 0312 32W 857 IT GC VS5 OSRAM	32W	4ft×1ft	5700K	90°	GL23100267455
SIM PL OPT 0312 32W 865 IT GC VS5 OSRAM	32W	4ft×1ft	6500K	90°	GL23100267555
SIM PL OPT 0612 42W 840 IT GC VS5 OSRAM	42W	4ft×2ft	4000K	90°	GL23100267655
SIM PL OPT 0612 42W 857 IT GC VS5 OSRAM	42W	4ft×2ft	5700K	90°	GL23100267755
SIM PL OPT 0612 42W 865 IT GC VS5 OSRAM	42W	4ft×2ft	6500K	90°	GL23100267855

Fixture (0-10V Version)

Short Text	Power (W)	Size	CCT	Beam angle	IC
SIM PL OPT 0606 32W 840 DIM GC VS6 OSRAM	32W	2ft×2ft	4000K	90°	GL23100267955
SIM PL OPT 0606 32W 857 DIM GC VS6 OSRAM	32W	2ft×2ft	5700K	90°	GL23100268055
SIM PL OPT 0606 32W 865 DIM GC VS6 OSRAM	32W	2ft×2ft	6500K	90°	GL23100268155
SIM PL OPT 0312 32W 840 DIM GC VS6 OSRAM	32W	4ft×1ft	4000K	90°	GL23100268255
SIM PL OPT 0312 32W 857 DIM GC VS6 OSRAM	32W	4ft×1ft	5700K	90°	GL23100268355
SIM PL OPT 0312 32W 865 DIM GC VS6 OSRAM	32W	4ft×1ft	6500K	90°	GL23100268455
SIM PL OPT 0612 42W 840 DIM GC VS6 OSRAM	42W	4ft×2ft	4000K	90°	GL23100268555
SIM PL OPT 0612 42W 857 DIM GC VS6 OSRAM	42W	4ft×2ft	5700K	90°	GL23100268655
SIM PL OPT 0612 42W 865 DIM GC VS6 OSRAM	42W	4ft×2ft	6500K	90°	GL23100268755
SIM PL OPT 0606 32W 840 DIM IT GC VS5 OSRAM	32W	2ft×2ft	4000K	90°	GL23100268855
SIM PL OPT 0606 32W 857 DIM IT GC VS5 OSRAM	32W	2ft×2ft	5700K	90°	GL23100268955
SIM PL OPT 0606 32W 865 DIM IT GC VS5 OSRAM	32W	2ft×2ft	6500K	90°	GL23100269055
SIM PL OPT 0312 32W 840 DIM IT GC VS5 OSRAM	32W	4ft×1ft	4000K	90°	GL23100269155
SIM PL OPT 0312 32W 857 DIM IT GC VS5 OSRAM	32W	4ft×1ft	5700K	90°	GL23100269255
SIM PL OPT 0312 32W 865 DIM IT GC VS5 OSRAM	32W	4ft×1ft	6500K	90°	GL23100269355
SIM PL OPT 0612 42W 840 DIM IT GC VS5 OSRAM	42W	4ft×2ft	4000K	90°	GL23100269455
SIM PL OPT 0612 42W 857 DIM IT GC VS5 OSRAM	42W	4ft×2ft	5700K	90°	GL23100269555
SIM PL OPT 0612 42W 865 DIM IT GC VS5 OSRAM	42W	4ft×2ft	6500K	90°	GL23100269655

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Ordering Codes

Fixture (DALI Version)

Short Text	Power (W)	Size	CCT	Beam angle	IC
SIM PL OPT 0606 32W 840 DA GC VS6 OSRAM	32W	2ft×2ft	4000K	90°	GL23100269755
SIM PL OPT 0606 32W 857 DA GC VS6 OSRAM	32W	2ft×2ft	5700K	90°	GL23100269855
SIM PL OPT 0606 32W 865 DA GC VS6 OSRAM	32W	2ft×2ft	6500K	90°	GL23100269955
SIM PL OPT 0312 32W 840 DA GC VS6 OSRAM	32W	4ft×1ft	4000K	90°	GL23100270055
SIM PL OPT 0312 32W 857 DA GC VS6 OSRAM	32W	4ft×1ft	5700K	90°	GL23100270155
SIM PL OPT 0312 32W 865 DA GC VS6 OSRAM	32W	4ft×1ft	6500K	90°	GL23100270255
SIM PL OPT 0612 42W 840 DA GC VS6 OSRAM	42W	4ft×2ft	4000K	90°	GL23100270355
SIM PL OPT 0612 42W 857 DA GC VS6 OSRAM	42W	4ft×2ft	5700K	90°	GL23100270455
SIM PL OPT 0612 42W 865 DA GC VS6 OSRAM	42W	4ft×2ft	6500K	90°	GL23100270555
SIM PL OPT 0606 32W 840 DA IT GC VS5 OSRAM	32W	2ft×2ft	4000K	90°	GL23100270655
SIM PL OPT 0606 32W 857 DA IT GC VS5 OSRAM	32W	2ft×2ft	5700K	90°	GL23100270755
SIM PL OPT 0606 32W 865 DA IT GC VS5 OSRAM	32W	2ft×2ft	6500K	90°	GL23100270855
SIM PL OPT 0312 32W 840 DA IT GC VS5 OSRAM	32W	4ft×1ft	4000K	90°	GL23100270955
SIM PL OPT 0312 32W 857 DA IT GC VS5 OSRAM	32W	4ft×1ft	5700K	90°	GL23100271055
SIM PL OPT 0312 32W 865 DA IT GC VS5 OSRAM	32W	4ft×1ft	6500K	90°	GL23100271155
SIM PL OPT 0612 42W 840 DA IT GC VS5 OSRAM	42W	4ft×2ft	4000K	90°	GL23100271255
SIM PL OPT 0612 42W 857 DA IT GC VS5 OSRAM	42W	4ft×2ft	5700K	90°	GL23100271355
SIM PL OPT 0612 42W 865 DA IT GC VS5 OSRAM	42W	4ft×2ft	6500K	90°	GL23100271455

Accessories

Short Text	IC
SIM PL OPT SUSPENSION KIT VS100 OSRAM	GL23100271555



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