

GreenPerform Troffer

RC100B



Energy saving without compromise.

GreenPerform troffer improves the compact design of the last generation with performance improvement and more variants for different markets. Integrating with all available system: POE, InterAct office wireless, InterAct Office Pro, ActiLume controller, GreenPerform troffer offers additional energy saving and connected features.

Benefits

- Upgrade to smart office with more options
- Energy saving
- Slim housing
- Comfortable light
- Good light quality
- Office compliant
- Reliable performance

Applications

- Open Office
- Public Area

- Meeting Room
- Training Room

Features

- Compatible with all available Philips systems
- Efficacy up to 125lm/W
- Slim design with height less than 46mm
- Improved optical design without zebra effect
- CRI > 80, SDCM<4, Flicker free
- UGR 19 available
- Lifetime L70 50,000 hours

Versions



GreenPerform Troffer RC100B
30x120



GreenPerform Troffer RC100B
60x60



GreenPerform-Troffer-
product-picture

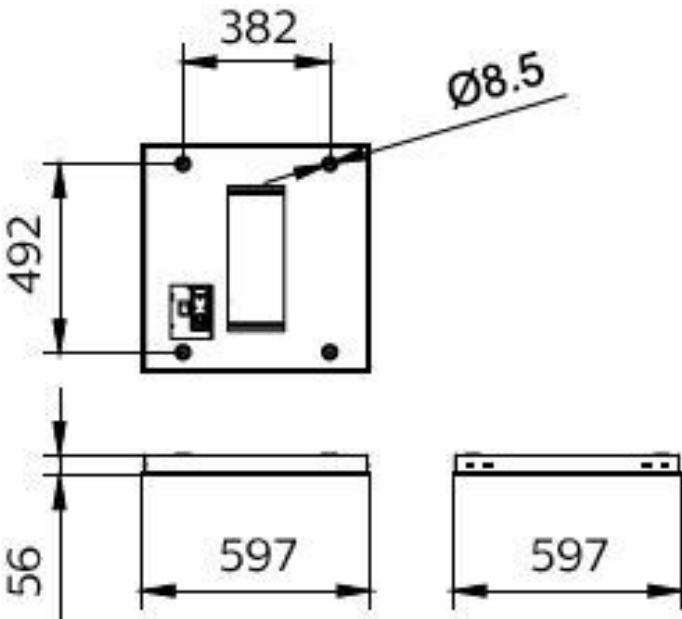


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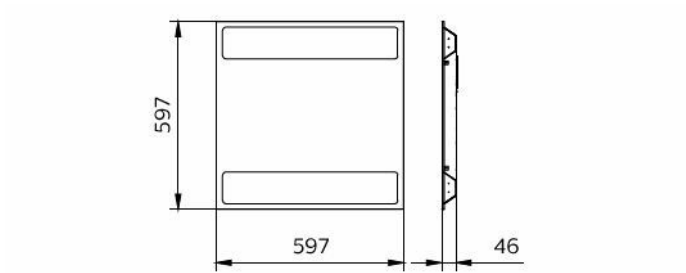


GreenPerform Troffer RC100B
60x120

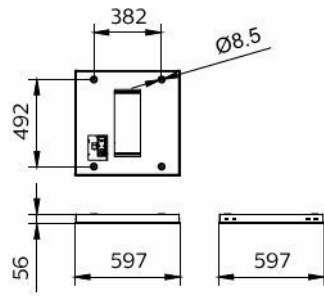
Dimensional drawing



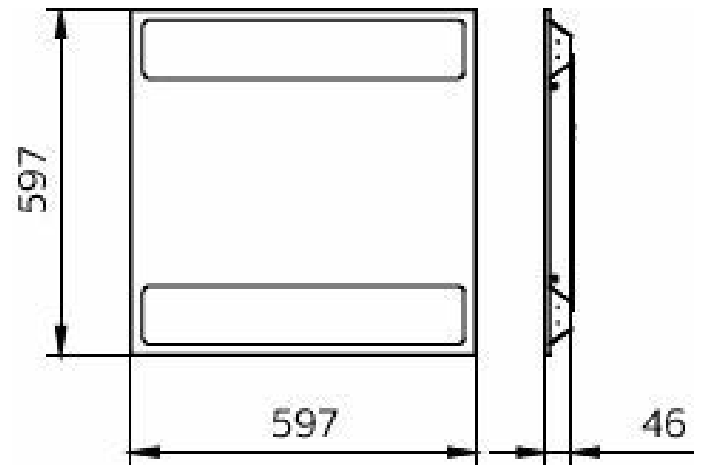
SM100C W60L60



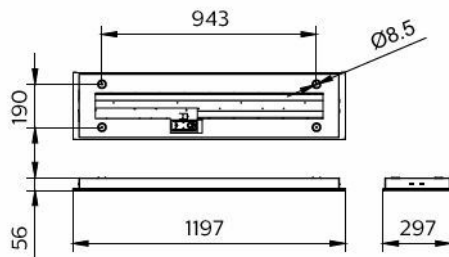
RC100B LED37S 865 W60L60 PSD G3



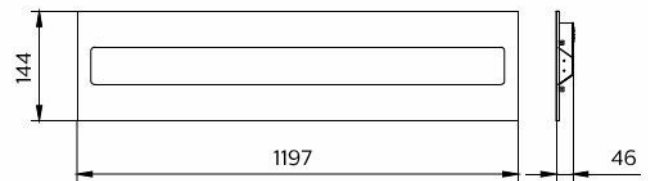
SM100C LED37S 840 W60L60 PSD G3



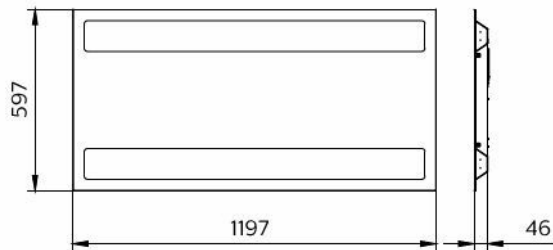
RC100 W60L60



SM100C LED37S 840 W30L120 PSU G3



RC100X LED37/840 W30L120 WIA



RC100B LED54S 840 W60L120 PSU G3

General Information

Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes

Light Technical

Beam angle of light source	120 degree(s)
Optic type	Opal prismatic reflector

Operating and Electrical

Input Voltage	220 to 240 V
Suitable for random switching	No
Protection class IEC	Safety class I

Mechanical and Housing

Housing Color	White
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK03 [0.3 J]

Approval and Application

CE mark	Yes
ENEC mark	-
Ambient temperature range	-20 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	SDCM<4

Light Technical

Order Code	Full Product Name	Luminous Flux	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Color rendering index (CRI)	Number of light sources
911401512547	RC100B LED37S 840 W30L120 PSU G3	4,000 lm	4000 K	155.03875968992247 lm/W	80	2
911401513147	SM100C LED37S 840 W30L120 PSU G3	4,000 lm	4000 K	155.03875968992247 lm/W	80	2
911401513247	SM100C LED37S 840 W30L120 PSU G3	4,000 lm	4000 K	155.03875968992247 lm/W	80	2
911401513847	RC100B LED37S 840 W30L120 PSD OC G3	4,200 lm	4000 K	166.66666666666666 lm/W	80	2
911401513947	RC100B LED37S 840 W30L120 PSD G3	4,000 lm	4000 K	158.73015873015873 lm/W	80	2
911401514347	SM100C LED37S 840 W30L120 PSD G3	4,000 lm	4000 K	158.73015873015873 lm/W	80	2
911401514747	RC100X LED37/840 W30L120 WIA	4,000 lm	4000 K	153.2567049808429 lm/W	80	2
911401508451	RC100B LED27S 840 W60L60 PSU G3	2,700 lm	4000 K	117 lm/W	80	-
911401510151	SM100C LED37S 840 W60L60 PSU G3	3,700 lm	4000 K	116 lm/W	80	-
911401510751	RC100B LED37S 840 W60L60 PSU G3	3,700 lm	4000 K	116 lm/W	80	-
911401514947	RC100X LED37S 940 W60L60 SIA S2 G3	3,800 lm	4000 K	145.59386973180077 lm/W	90	2
911401515047	RC100X LED37S 840 W60L60 SIA S2 G3	4,000 lm	4000 K	153.2567049808429 lm/W	80	2
911401515147	RC100X LED37S 865 W60L60 SIA S2 G3	4,000 lm	6500 K	153.2567049808429 lm/W	80	2
911401515247	RC100X LED37S 840 W60L60 SIA S15 G3	4,000 lm	4000 K	153.2567049808429 lm/W	80	2
911401515347	RC100X LED37S 865 W60L60 SIA S15 G3	4,000 lm	6500 K	153.2567049808429 lm/W	80	2

Order Code	Full Product Name	Luminous Flux	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Color rendering index (CRI)	Number of light sources
911401515447	RC100X LED37S 940 W60L60 SIA S15 G3	3,800 lm	4000 K	145.59386973180077 lm/W	90	2
911401511847	RC100B LED27S 840 W60L60 PSU G3	2,890 lm	4000 K	154.54545454545456 lm/W	80	2
911401511947	RC100B LED27S 865 W60L60 PSU G3	2,890 lm	6500 K	154.55 lm/W	80	2
911401512047	RC100B LED37S 840 W60L60 PSU G3	4,000 lm	4000 K	155.03875968992247 lm/W	80	2
911401512147	RC100B LED37S 865 W60L60 PSU G3	4,000 lm	6500 K	155.03875968992247 lm/W	80	2
911401512847	SM100C LED27S 840 W60L60 PSU G3	2,890 lm	4000 K	154.54545454545456 lm/W	80	2
911401512947	SM100C LED37S 840 W60L60 PSU G3	4,000 lm	4000 K	155.03875968992247 lm/W	80	2
911401513347	RC100B LED37S 840 W60L60 PSD G3	4,000 lm	4000 K	158.73015873015873 lm/W	80	2
911401513447	RC100B LED37S 865 W60L60 PSD G3	4,000 lm	6500 K	158.73015873015873 lm/W	80	2
911401513647	RC100B LED37S 840 W60L60 PSD OC G3	4,200 lm	4000 K	166.66666666666666 lm/W	80	2
911401513747	RC100B LED37S 865 W60L60 PSD OC G3	4,200 lm	6500 K	166.66666666666666 lm/W	80	2
911401514247	SM100C LED37S 840 W60L60 PSD G3	4,000 lm	4000 K	158.73015873015873 lm/W	80	2
911401514447	RC100X LED37/840 W60L60 WIA	4,000 lm	4000 K	153.2567049808429 lm/W	80	2
911401514547	RC100X LED37/865 W60L60 WIA	4,000 lm	6500 K	153.2567049808429 lm/W	80	2
911401517547	RC100B LED54S 840 W60L120 PSU G3	5,200 lm	4000 K	162.5 lm/W	80	4

Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power Consumption
911401512547	RC100B LED37S 840 W30L120 PSU G3	50 or 60 Hz	25.8 W
911401513147	SM100C LED37S 840 W30L120 PSU G3	50 or 60 Hz	25.8 W
911401513247	SM100C LED37S 840 W30L120 PSU G3	50 or 60 Hz	25.8 W
911401513847	RC100B LED37S 840 W30L120 PSD OC G3	50 or 60 Hz	25.2 W
911401513947	RC100B LED37S 840 W30L120 PSD G3	50 or 60 Hz	25.2 W
911401514347	SM100C LED37S 840 W30L120 PSD G3	50 or 60 Hz	25.2 W
911401514747	RC100X LED37/840 W30L120 WIA	50 or 60 Hz	26.1 W
911401508451	RC100B LED27S 840 W60L60 PSU G3	50 to 60 Hz	23 W
911401510151	SM100C LED37S 840 W60L60 PSU G3	50 to 60 Hz	32 W
911401510751	RC100B LED37S 840 W60L60 PSU G3	50 to 60 Hz	32 W
911401514947	RC100X LED37S 940 W60L60 SIA S2 G3	50 or 60 Hz	26.1 W
911401515047	RC100X LED37S 840 W60L60 SIA S2 G3	50 or 60 Hz	26.1 W
911401515147	RC100X LED37S 865 W60L60 SIA S2 G3	50 or 60 Hz	26.1 W
911401515247	RC100X LED37S 840 W60L60 SIA S15 G3	50 or 60 Hz	26.1 W
911401515347	RC100X LED37S 865 W60L60 SIA S15 G3	50 or 60 Hz	26.1 W
911401515447	RC100X LED37S 940 W60L60 SIA S15 G3	50 or 60 Hz	26.1 W
911401511847	RC100B LED27S 840 W60L60 PSU G3	50 or 60 Hz	18.7 W
911401511947	RC100B LED27S 865 W60L60 PSU G3	50 or 60 Hz	18.7 W
911401512047	RC100B LED37S 840 W60L60 PSU G3	50 or 60 Hz	25.8 W
911401512147	RC100B LED37S 865 W60L60 PSU G3	50 or 60 Hz	25.8 W
911401512847	SM100C LED27S 840 W60L60 PSU G3	50 or 60 Hz	18.7 W

Order Code	Full Product Name	Line Frequency	Power Consumption
911401512947	SM100C LED37S 840 W60L60 PSU G3	50 or 60 Hz	25.8 W
911401513347	RC100B LED37S 840 W60L60 PSD G3	50 or 60 Hz	25.2 W
911401513447	RC100B LED37S 865 W60L60 PSD G3	50 or 60 Hz	25.2 W
911401513647	RC100B LED37S 840 W60L60 PSD OC G3	50 or 60 Hz	25.2 W
911401513747	RC100B LED37S 865 W60L60 PSD OC G3	50 or 60 Hz	25.2 W
911401514247	SM100C LED37S 840 W60L60 PSD G3	50 or 60 Hz	25.2 W
911401514447	RC100X LED37/840 W60L60 WIA	50 or 60 Hz	26.1 W
911401514547	RC100X LED37/865 W60L60 WIA	50 or 60 Hz	26.1 W
911401517547	RC100B LED54S 840 W60L120 PSU G3	50 or 60 Hz	32 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
911401512547	RC100B LED37S 840 W30L120 PSU G3	-
911401513147	SM100C LED37S 840 W30L120 PSU G3	-
911401513247	SM100C LED37S 840 W30L120 PSU G3	-
911401513847	RC100B LED37S 840 W30L120 PSD OC G3	DALI
911401513947	RC100B LED37S 840 W30L120 PSD G3	DALI
911401514347	SM100C LED37S 840 W30L120 PSD G3	DALI
911401514747	RC100X LED37/840 W30L120 WIA	Wireless Dim
911401508451	RC100B LED27S 840 W60L60 PSU G3	No
911401510151	SM100C LED37S 840 W60L60 PSU G3	No
911401510751	RC100B LED37S 840 W60L60 PSU G3	No
911401514947	RC100X LED37S 940 W60L60 SIA S2 G3	Wireless Dim
911401515047	RC100X LED37S 840 W60L60 SIA S2 G3	Wireless Dim
911401515147	RC100X LED37S 865 W60L60 SIA S2 G3	Wireless Dim
911401515247	RC100X LED37S 840 W60L60 SIA S15 G3	Wireless Dim
911401515347	RC100X LED37S 865 W60L60 SIA S15 G3	Wireless Dim
911401515447	RC100X LED37S 940 W60L60 SIA S15 G3	Wireless Dim
911401511847	RC100B LED27S 840 W60L60 PSU G3	-
911401511947	RC100B LED27S 865 W60L60 PSU G3	-
911401512047	RC100B LED37S 840 W60L60 PSU G3	-
911401512147	RC100B LED37S 865 W60L60 PSU G3	-
911401512847	SM100C LED27S 840 W60L60 PSU G3	-
911401512947	SM100C LED37S 840 W60L60 PSU G3	-
911401513347	RC100B LED37S 840 W60L60 PSD G3	DALI
911401513447	RC100B LED37S 865 W60L60 PSD G3	DALI
911401513647	RC100B LED37S 840 W60L60 PSD OC G3	DALI
911401513747	RC100B LED37S 865 W60L60 PSD OC G3	DALI
911401514247	SM100C LED37S 840 W60L60 PSD G3	DALI
911401514447	RC100X LED37/840 W60L60 WIA	Wireless Dim
911401514547	RC100X LED37/865 W60L60 WIA	Wireless Dim
911401517547	RC100B LED54S 840 W60L120 PSU G3	-

Mechanical and Housing

Order Code	Full Product Name	Optical cover type
911401512547	RC100B LED37S 840 W30L120 PSU G3	Polycarbonate bowl/cover
911401513147	SM100C LED37S 840 W30L120 PSU G3	Polycarbonate bowl/cover
911401513247	SM100C LED37S 840 W30L120 PSU G3	Polycarbonate bowl/cover
911401513847	RC100B LED37S 840 W30L120 PSD OC G3	Polycarbonate bowl/cover
911401513947	RC100B LED37S 840 W30L120 PSD G3	Polycarbonate bowl/cover
911401514347	SM100C LED37S 840 W30L120 PSD G3	Polycarbonate bowl/cover
911401514747	RC100X LED37/840 W30L120 WIA	Polycarbonate bowl/cover
911401508451	RC100B LED27S 840 W60L60 PSU G3	Variable linear-lens array in polycarbonate cover
911401510151	SM100C LED37S 840 W60L60 PSU G3	Variable linear-lens array in polycarbonate cover
911401510751	RC100B LED37S 840 W60L60 PSU G3	Variable linear-lens array in polycarbonate cover
911401514947	RC100X LED37S 940 W60L60 SIA S2 G3	Polycarbonate bowl/cover
911401515047	RC100X LED37S 840 W60L60 SIA S2 G3	Polycarbonate bowl/cover
911401515147	RC100X LED37S 865 W60L60 SIA S2 G3	Polycarbonate bowl/cover
911401515247	RC100X LED37S 840 W60L60 SIA S15 G3	Polycarbonate bowl/cover
911401515347	RC100X LED37S 865 W60L60 SIA S15 G3	Polycarbonate bowl/cover
911401515447	RC100X LED37S 940 W60L60 SIA S15 G3	Polycarbonate bowl/cover
911401511847	RC100B LED27S 840 W60L60 PSU G3	Polycarbonate bowl/cover
911401511947	RC100B LED27S 865 W60L60 PSU G3	Polycarbonate bowl/cover
911401512047	RC100B LED37S 840 W60L60 PSU G3	Polycarbonate bowl/cover
911401512147	RC100B LED37S 865 W60L60 PSU G3	Polycarbonate bowl/cover
911401512847	SM100C LED27S 840 W60L60 PSU G3	Polycarbonate bowl/cover
911401512947	SM100C LED37S 840 W60L60 PSU G3	Polycarbonate bowl/cover
911401513347	RC100B LED37S 840 W60L60 PSD G3	Polycarbonate bowl/cover
911401513447	RC100B LED37S 865 W60L60 PSD G3	Polycarbonate bowl/cover
911401513647	RC100B LED37S 840 W60L60 PSD OC G3	Polycarbonate bowl/cover
911401513747	RC100B LED37S 865 W60L60 PSD OC G3	Polycarbonate bowl/cover
911401514247	SM100C LED37S 840 W60L60 PSD G3	Polycarbonate bowl/cover
911401514447	RC100X LED37/840 W60L60 WIA	Polycarbonate bowl/cover
911401514547	RC100X LED37/865 W60L60 WIA	Polycarbonate bowl/cover
911401517547	RC100B LED54S 840 W60L120 PSU G3	Polycarbonate bowl/cover

Approval and Application

Order Code	Full Product Name	Glow-wire test	Flammability mark
911401512547	RC100B LED37S 840 W30L120 PSU G3	Temperature 650 °C, duration 30 s	-
911401513147	SM100C LED37S 840 W30L120 PSU G3	Temperature 650 °C, duration 30 s	-
911401513247	SM100C LED37S 840 W30L120 PSU G3	Temperature 650 °C, duration 30 s	-
911401513847	RC100B LED37S 840 W30L120 PSD OC G3	Temperature 650 °C, duration 30 s	-
911401513947	RC100B LED37S 840 W30L120 PSD G3	Temperature 650 °C, duration 30 s	-
911401514347	SM100C LED37S 840 W30L120 PSD G3	Temperature 650 °C, duration 30 s	-
911401514747	RC100X LED37/840 W30L120 WIA	Temperature 650 °C, duration 30 s	-

Order Code	Full Product Name	Glow-wire test	Flammability mark
911401508451	RC100B LED27S 840 W60L60 PSU G3	Temperature 600 °C, duration 30 s	For mounting on normally flammable surfaces
911401510151	SM100C LED37S 840 W60L60 PSU G3	Temperature 600 °C, duration 30 s	For mounting on normally flammable surfaces
911401510751	RC100B LED37S 840 W60L60 PSU G3	Temperature 600 °C, duration 30 s	For mounting on normally flammable surfaces
911401514947	RC100X LED37S 940 W60L60 SIA S2 G3	Temperature 650 °C, duration 30 s	-
911401515047	RC100X LED37S 840 W60L60 SIA S2 G3	Temperature 650 °C, duration 30 s	-
911401515147	RC100X LED37S 865 W60L60 SIA S2 G3	Temperature 650 °C, duration 30 s	-
911401515247	RC100X LED37S 840 W60L60 SIA S15 G3	Temperature 650 °C, duration 30 s	-
911401515347	RC100X LED37S 865 W60L60 SIA S15 G3	Temperature 650 °C, duration 30 s	-
911401515447	RC100X LED37S 940 W60L60 SIA S15 G3	Temperature 650 °C, duration 30 s	-
911401511847	RC100B LED27S 840 W60L60 PSU G3	Temperature 650 °C, duration 30 s	-
911401511947	RC100B LED27S 865 W60L60 PSU G3	Temperature 650 °C, duration 30 s	-
911401512047	RC100B LED37S 840 W60L60 PSU G3	Temperature 650 °C, duration 30 s	-
911401512147	RC100B LED37S 865 W60L60 PSU G3	Temperature 650 °C, duration 30 s	-
911401512847	SM100C LED27S 840 W60L60 PSU G3	Temperature 650 °C, duration 30 s	-
911401512947	SM100C LED37S 840 W60L60 PSU G3	Temperature 650 °C, duration 30 s	-
911401513347	RC100B LED37S 840 W60L60 PSD G3	Temperature 650 °C, duration 30 s	-
911401513447	RC100B LED37S 865 W60L60 PSD G3	Temperature 650 °C, duration 30 s	-
911401513647	RC100B LED37S 840 W60L60 PSD OC G3	Temperature 650 °C, duration 30 s	-
911401513747	RC100B LED37S 865 W60L60 PSD OC G3	Temperature 650 °C, duration 30 s	-
911401514247	SM100C LED37S 840 W60L60 PSD G3	Temperature 650 °C, duration 30 s	-
911401514447	RC100X LED37/840 W60L60 WIA	Temperature 650 °C, duration 30 s	-
911401514547	RC100X LED37/865 W60L60 WIA	Temperature 650 °C, duration 30 s	-
911401517547	RC100B LED54S 840 W60L120 PSU G3	Temperature 650 °C, duration 30 s	-