PHILIPS

Pacific LED Gen5 Value

8670890



Robust luminaire with optimal performance over lifetime for waterproof lighting

Pacific LED Gen5 Value is an innovative and best-in-class LED waterproof luminaire that is praised for its optimal performance. It meets the demanding requirements of contemporary and harsh industries. It is a very robust, compact, and reliable luminaire, with excellent quality of light. With a high degree of mechanical (IK08), water and dust protection (IP66), combined with proven chemical resistance, the Pacific LED Gen5 Value can perfectly withstand the harsh conditions of automotive, food and heavy industries. But this waterproof lighting also performs well in parking garages and warehouses. With multiple optics and a broad range of light outputs. Pacific LED Gen5 Value luminaires provide superior, artefact-free light quality and homogeneous light. This ensures more flexibility in optimized light scheme planning. They are also designed with a circular approach, which means these fully-serviceable luminaires can be upgraded to extend their overall lifecycle. These luminaires stand out because of their quick and easy installation that facilitates through wiring and various connection and mounting options. But also due to their energy efficiency and ease of maintenance – with the minimum of disruption to operations in demanding applications. Discover Pacific LED Gen5 Value. Robust luminaires with optimal performance for waterproof lighting.

Benefits

- Compact, robust, and reliable solution for a long service life.
- Wide range of industrial applications (food production, heavy and chemical industries, automotive, parking garages and warehousing)
- Choice of lengths, flux, beams shapes
- High uniformity and artefact-free light distribution
- Less maintenance - modular approach for easy servicing and parts replacements

Features

- Energy efficient and long lifetime: up to 140 lm/W and lifetime up to 50,000 hours L80
- Robust and compact architecture, high water and dust (IP66) and mechanical (IK08) protection
- Choice of lumen output and optics, plus high-quality chemical-resistant materials
- High uniformity, glare control and artefact-free light distributions.
- Hassle-free installation and maintenance.

Applications

- Food processing
- Parking garages
- Manufacturing
- Warehouses/distribution centers

- UV radiation will damage the material over time resulting in loss of waterproof seal and IP66 rating
- Do not install the luminaire in locations where it will be exposed to direct sunlight

Versions



Pacific LED gen5, L1800

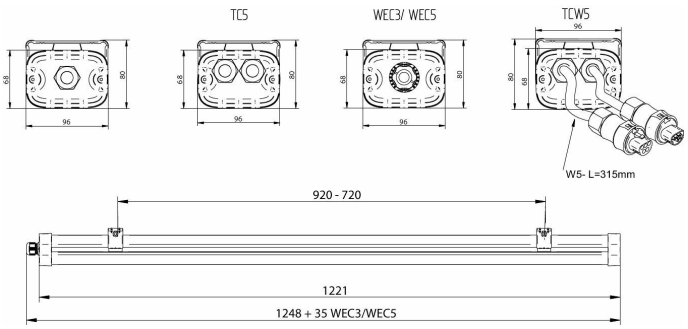


Pacific LED gen5, L1200

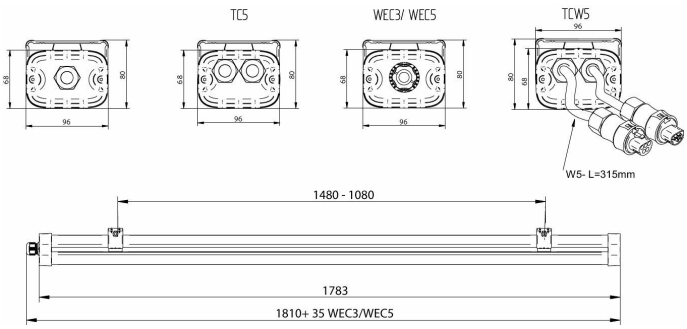


Pacific LED gen5,, L1600

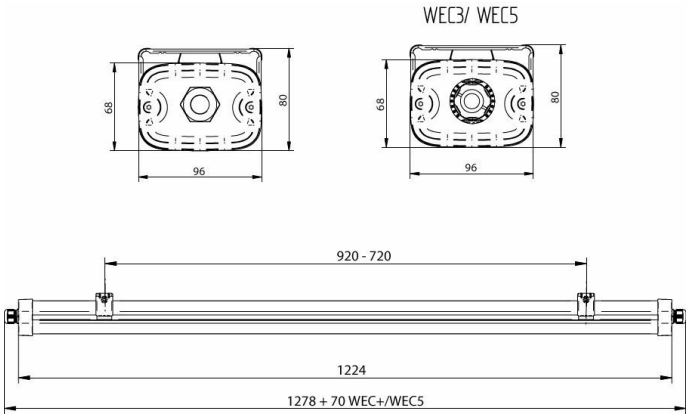
Dimensional drawing



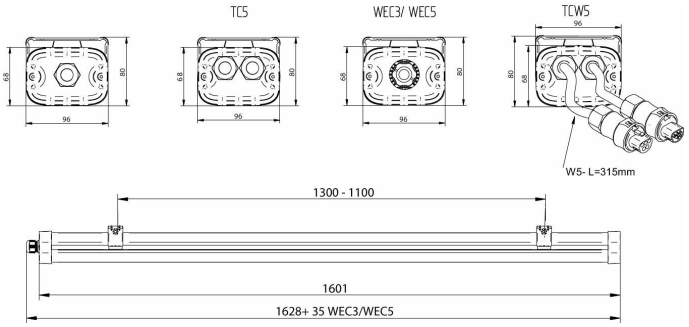
PACIFIC LED - 840 neutral white - Power supply unit with DALI interface - Wide beam - Push-in connector 5-pole



PACIFIC LED - 840 neutral white - Power supply unit with DALI interface - Narrow beam - Push-in connector 5-pole



PACIFIC LED - 840 neutral white - Power supply unit - Very wide beam - Push-in connector 5-pole



Dimensional drawing, Pacific LED gen5, L1600

Product details



Pacific LED gen5 with push in 7-pole (PI7) connector

General Information

Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes

Light Technical

Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	>80

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Suitable for random switching	Yes
Protection class IEC	Safety class I

Controls and Dimming

Embedded control	InterAct SNS410 antena

Mechanical and Housing

Housing Color	White
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]

Emergency Operation

Rated duration of the emergency lighting (when fully charged)	3 hour(s)
Central Emergency	No

Approval and Application

Glow-wire test	Temperature 850 °C, duration 30 s
Flammability mark	For mounting on easily flammable surfaces
CE mark	Yes
ENEC mark	ENEC plus mark
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <3

Product Data

Product family code	WT475C [Pacific LED gen5 Value]

Light Technical

Order Code	Full Product Name	Luminous Flux	Luminous Efficacy (rated) (Nom)	Optic type
910925868281	WT475C 62S/840 PSU NB-HRO L1800	6,200 lm	141 lm/W	Narrow beam - High-rack optic
910925868282	WT475C 62S/840 PSD NB-HRO L1800	6,200 lm	136 lm/W	Narrow beam - High-rack optic
910925868283	WT475C 62S/840 PSD WB L1800	6,200 lm	136 lm/W	Wide beam
910925868284	WT475C 62S/840 PSU VWB L1800	6,200 lm	141 lm/W	Very wide beam
910925868285	WT475C 62S/840 PSD VWB L1800	6,200 lm	136 lm/W	Very wide beam
910925868286	WT475C 107S/840 PSD WB L1800	10,700 lm	132 lm/W	Wide beam
910925868297	WT475C 62S/840 PSU WB L1800	6,200 lm	141 lm/W	Wide beam
910925868298	WT475C 107S/840 PSU WB L1800	10,700 lm	132 lm/W	Wide beam
910925868711	WT475C 62S/840 PSU O L1800	6,000 lm	136 lm/W	Opal
910925868713	WT475C 62S/840 PSU PCO L1800	5,200 lm	118 lm/W	Opal
910925868716	WT475C 107S/840 SIA WB IA9 L1800	10,700 lm	131 lm/W	Wide beam

Order Code	Full Product Name	Luminous Flux	Luminous Efficacy (rated) (Nom)	Optic type
910925868248	WT475C 42S/840 PSU WB L1200	4,200 lm	141 lm/W	Wide beam
910925868269	WT475C 42S/840 PSD WB L1200	4,200 lm	133 lm/W	Wide beam
910925868270	WT475C 72S/840 PSU NB-HRO L1200	7,200 lm	133 lm/W	Narrow beam - High-rack optic
910925868271	WT475C 72S/840 PSD NB-HRO L1200	7,200 lm	131 lm/W	Narrow beam - High-rack optic
910925868272	WT475C 72S/840 PSU WB TW1 L1200	7,200 lm	133 lm/W	Wide beam
910925868273	WT475C 72S/840 PSU WB ELB3 L1200	7,200 lm	133 lm/W	Wide beam
910925868274	WT475C 72S/840 PSD WB L1200	7,200 lm	131 lm/W	Wide beam
910925868275	WT475C 72S/840 PSD WB TW1 L1200	7,200 lm	131 lm/W	Wide beam
910925868276	WT475C 72S/840 PSD WB ELB3 L1200	7,200 lm	131 lm/W	Wide beam
910925868277	WT475C 72S/840 PSU VWB L1200	7,200 lm	133 lm/W	Very wide beam
910925868278	WT475C 72S/840 PSU VWB TW1 L1200	7,200 lm	133 lm/W	Very wide beam
910925868279	WT475C 72S/840 PSD VWB L1200	7,200 lm	131 lm/W	Very wide beam
910925868280	WT475C 72S/840 PSD VWB TW1 L1200	7,200 lm	131 lm/W	Very wide beam
910925868296	WT475C 72S/840 PSU WB L1200	7,200 lm	133 lm/W	Wide beam
910925868710	WT475C 72S/840 PSU O L1200	6,800 lm	126 lm/W	Opal
910925868712	WT475C 72S/840 PSU PCO L1200	6,000 lm	111 lm/W	Opal
910925868714	WT475C 72S/840 PSU WB ELP3 L1200	7,200 lm	124 lm/W	Wide beam
910925868715	WT475C 72S/840 SIA WB IA9 L1200	7,200 lm	133 lm/W	Wide beam
910925868424	WT475C 72S/840 PSD WB L1600	7,200 lm	131 lm/W	Wide beam
910925868425	WT475C 72S/840 PSU WB L1600	7,200 lm	133 lm/W	Wide beam

Operating and Electrical

Order Code	Full Product Name	Power Consumption
910925868281	WT475C 62S/840 PSU NB-HRO L1800	44 W
910925868282	WT475C 62S/840 PSD NB-HRO L1800	45.5 W
910925868283	WT475C 62S/840 PSD WB L1800	45.5 W
910925868284	WT475C 62S/840 PSU VWB L1800	44 W
910925868285	WT475C 62S/840 PSD VWB L1800	45.5 W
910925868286	WT475C 107S/840 PSD WB L1800	81 W
910925868297	WT475C 62S/840 PSU WB L1800	44 W
910925868298	WT475C 107S/840 PSU WB L1800	81 W
910925868711	WT475C 62S/840 PSU O L1800	44 W
910925868713	WT475C 62S/840 PSU PCO L1800	44 W
910925868716	WT475C 107S/840 SIA WB IA9 L1800	82 W
910925868248	WT475C 42S/840 PSU WB L1200	29.8 W
910925868269	WT475C 42S/840 PSD WB L1200	31.5 W
910925868270	WT475C 72S/840 PSU NB-HRO L1200	54 W
910925868271	WT475C 72S/840 PSD NB-HRO L1200	55 W
910925868272	WT475C 72S/840 PSU WB TW1 L1200	54 W
910925868273	WT475C 72S/840 PSU WB ELB3 L1200	54 W
910925868274	WT475C 72S/840 PSD WB L1200	55 W
910925868275	WT475C 72S/840 PSD WB TW1 L1200	55 W

Order Code	Full Product Name	Power Consumption
910925868276	WT475C 72S/840 PSD WB ELB3 L1200	55 W
910925868277	WT475C 72S/840 PSU VWB L1200	54 W
910925868278	WT475C 72S/840 PSU VWB TW1 L1200	54 W
910925868279	WT475C 72S/840 PSD VWB L1200	55 W
910925868280	WT475C 72S/840 PSD VWB TW1 L1200	55 W
910925868296	WT475C 72S/840 PSU WB L1200	54 W
910925868710	WT475C 72S/840 PSU O L1200	54 W
910925868712	WT475C 72S/840 PSU PCO L1200	54 W
910925868714	WT475C 72S/840 PSU WB ELP3 L1200	58 W
910925868715	WT475C 72S/840 SIA WB IA9 L1200	54 W
910925868424	WT475C 72S/840 PSD WB L1600	55 W
910925868425	WT475C 72S/840 PSU WB L1600	54 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
910925868281	WT475C 62S/840 PSU NB-HRO L1800	No
910925868282	WT475C 62S/840 PSD NB-HRO L1800	Yes
910925868283	WT475C 62S/840 PSD WB L1800	Yes
910925868284	WT475C 62S/840 PSU VWB L1800	No
910925868285	WT475C 62S/840 PSD VWB L1800	Yes
910925868286	WT475C 107S/840 PSD WB L1800	Yes
910925868297	WT475C 62S/840 PSU WB L1800	No
910925868298	WT475C 107S/840 PSU WB L1800	No
910925868711	WT475C 62S/840 PSU O L1800	No
910925868713	WT475C 62S/840 PSU PCO L1800	No
910925868716	WT475C 107S/840 SIA WB IA9 L1800	Yes
910925868248	WT475C 42S/840 PSU WB L1200	No
910925868269	WT475C 42S/840 PSD WB L1200	Yes
910925868270	WT475C 72S/840 PSU NB-HRO L1200	No
910925868271	WT475C 72S/840 PSD NB-HRO L1200	Yes
910925868272	WT475C 72S/840 PSU WB TW1 L1200	No
910925868273	WT475C 72S/840 PSU WB ELB3 L1200	No
910925868274	WT475C 72S/840 PSD WB L1200	Yes
910925868275	WT475C 72S/840 PSD WB TW1 L1200	Yes
910925868276	WT475C 72S/840 PSD WB ELB3 L1200	Yes
910925868277	WT475C 72S/840 PSU VWB L1200	No
910925868278	WT475C 72S/840 PSU VWB TW1 L1200	No
910925868279	WT475C 72S/840 PSD VWB L1200	Yes
910925868280	WT475C 72S/840 PSD VWB TW1 L1200	Yes
910925868296	WT475C 72S/840 PSU WB L1200	No
910925868710	WT475C 72S/840 PSU O L1200	No
910925868712	WT475C 72S/840 PSU PCO L1200	No

Order Code	Full Product Name	Dimmable
910925868714	WT475C 72S/840 PSU WB ELP3 L1200	No
910925868715	WT475C 72S/840 SIA WB IA9 L1200	Yes
910925868424	WT475C 72S/840 PSD WB L1600	Yes
910925868425	WT475C 72S/840 PSU WB L1600	No

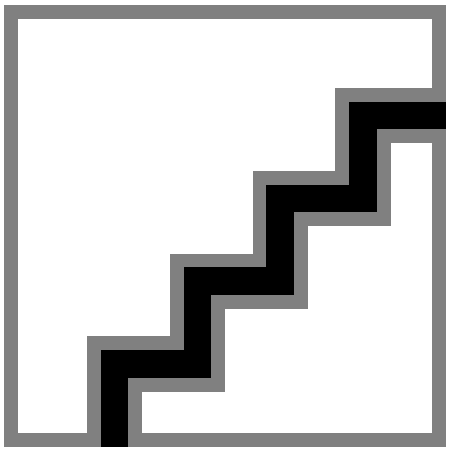
Emergency Operation

Order Code	Full Product Name	Emergency lighting
910925868281	WT475C 62S/840 PSU NB-HRO L1800	-
910925868282	WT475C 62S/840 PSD NB-HRO L1800	-
910925868283	WT475C 62S/840 PSD WB L1800	-
910925868284	WT475C 62S/840 PSU VWB L1800	-
910925868285	WT475C 62S/840 PSD VWB L1800	-
910925868286	WT475C 107S/840 PSD WB L1800	-
910925868297	WT475C 62S/840 PSU WB L1800	-
910925868298	WT475C 107S/840 PSU WB L1800	-
910925868711	WT475C 62S/840 PSU O L1800	-
910925868713	WT475C 62S/840 PSU PCO L1800	-
910925868716	WT475C 107S/840 SIA WB IA9 L1800	-
910925868248	WT475C 42S/840 PSU WB L1200	-
910925868269	WT475C 42S/840 PSD WB L1200	-
910925868270	WT475C 72S/840 PSU NB-HRO L1200	-
910925868271	WT475C 72S/840 PSD NB-HRO L1200	-
910925868272	WT475C 72S/840 PSU WB TW1 L1200	-
910925868273	WT475C 72S/840 PSU WB ELB3 L1200	Emergency lighting 3 hours duration basic version
910925868274	WT475C 72S/840 PSD WB L1200	-
910925868275	WT475C 72S/840 PSD WB TW1 L1200	-
910925868276	WT475C 72S/840 PSD WB ELB3 L1200	Emergency lighting 3 hours duration basic version
910925868277	WT475C 72S/840 PSU VWB L1200	-
910925868278	WT475C 72S/840 PSU VWB TW1 L1200	-
910925868279	WT475C 72S/840 PSD VWB L1200	-
910925868280	WT475C 72S/840 PSD VWB TW1 L1200	-
910925868296	WT475C 72S/840 PSU WB L1200	-
910925868710	WT475C 72S/840 PSU O L1200	-
910925868712	WT475C 72S/840 PSU PCO L1200	-
910925868714	WT475C 72S/840 PSU WB ELP3 L1200	Emergency lighting 3 hours duration Pro version
910925868715	WT475C 72S/840 SIA WB IA9 L1200	-
910925868424	WT475C 72S/840 PSD WB L1600	-
910925868425	WT475C 72S/840 PSU WB L1600	-

Approval and Application

Order Code	Full Product Name	Ambient temperature range
910925868281	WT475C 62S/840 PSU NB-HRO L1800	-25 to +45 °C
910925868282	WT475C 62S/840 PSD NB-HRO L1800	-25 to +45 °C
910925868283	WT475C 62S/840 PSD WB L1800	-25 to +45 °C
910925868284	WT475C 62S/840 PSU VWB L1800	-25 to +45 °C
910925868285	WT475C 62S/840 PSD VWB L1800	-25 to +45 °C
910925868286	WT475C 107S/840 PSD WB L1800	-25 to +45 °C
910925868297	WT475C 62S/840 PSU WB L1800	-25 to +45 °C
910925868298	WT475C 107S/840 PSU WB L1800	-25 to +45 °C
910925868711	WT475C 62S/840 PSU O L1800	-25 to +45 °C
910925868713	WT475C 62S/840 PSU PCO L1800	-25 to +45 °C
910925868716	WT475C 107S/840 SIA WB IA9 L1800	-25 to +45 °C
910925868248	WT475C 42S/840 PSU WB L1200	-25 to +45 °C
910925868269	WT475C 42S/840 PSD WB L1200	-25 to +45 °C
910925868270	WT475C 72S/840 PSU NB-HRO L1200	-25 to +45 °C
910925868271	WT475C 72S/840 PSD NB-HRO L1200	-25 to +45 °C
910925868272	WT475C 72S/840 PSU WB TW1 L1200	-25 to +45 °C
910925868273	WT475C 72S/840 PSU WB ELB3 L1200	0 to +30 °C
910925868274	WT475C 72S/840 PSD WB L1200	-25 to +45 °C
910925868275	WT475C 72S/840 PSD WB TW1 L1200	-25 to +45 °C
910925868276	WT475C 72S/840 PSD WB ELB3 L1200	0 to +30 °C
910925868277	WT475C 72S/840 PSU VWB L1200	-25 to +45 °C
910925868278	WT475C 72S/840 PSU VWB TW1 L1200	-25 to +45 °C
910925868279	WT475C 72S/840 PSD VWB L1200	-25 to +45 °C
910925868280	WT475C 72S/840 PSD VWB TW1 L1200	-25 to +45 °C
910925868296	WT475C 72S/840 PSU WB L1200	-25 to +45 °C
910925868710	WT475C 72S/840 PSU O L1200	-25 to +45 °C
910925868712	WT475C 72S/840 PSU PCO L1200	-25 to +45 °C
910925868714	WT475C 72S/840 PSU WB ELP3 L1200	0 to +30 °C
910925868715	WT475C 72S/840 SIA WB IA9 L1200	-25 to +45 °C
910925868424	WT475C 72S/840 PSD WB L1600	-25 to +45 °C
910925868425	WT475C 72S/840 PSU WB L1600	-25 to +45 °C

Polar normal diagrams



WT475C 42S/840 PSU WB L1200
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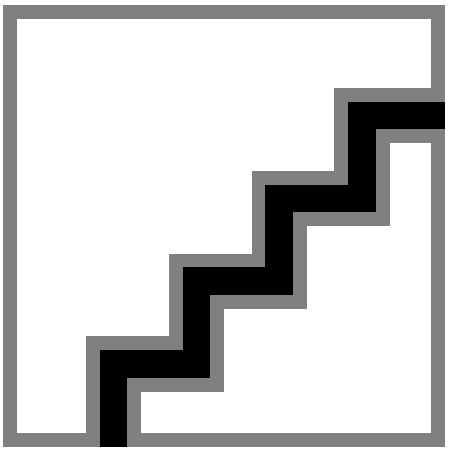

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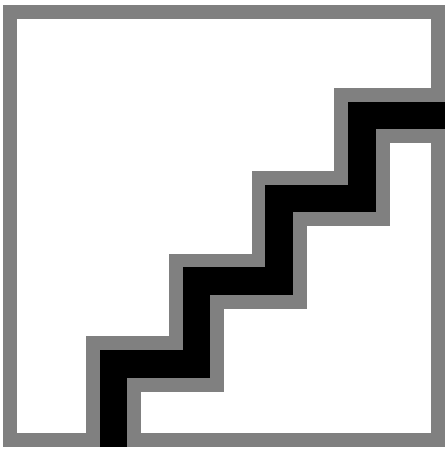

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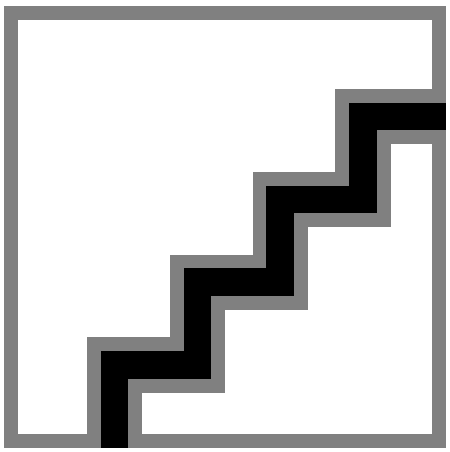

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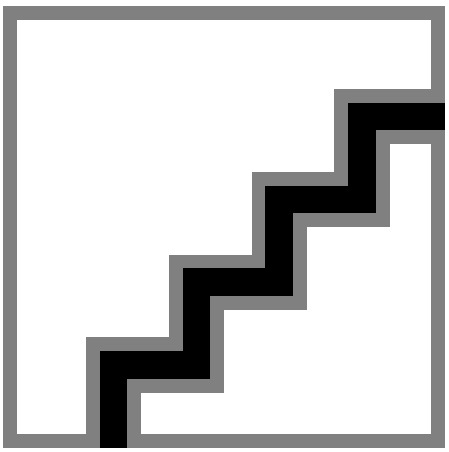

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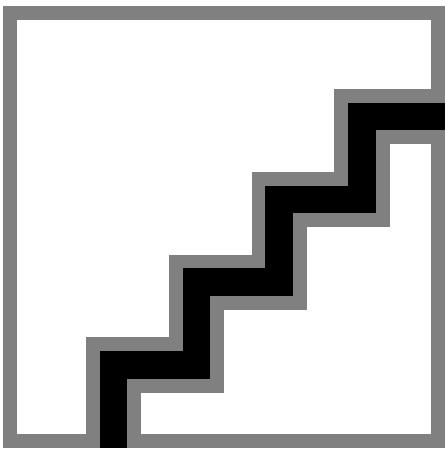

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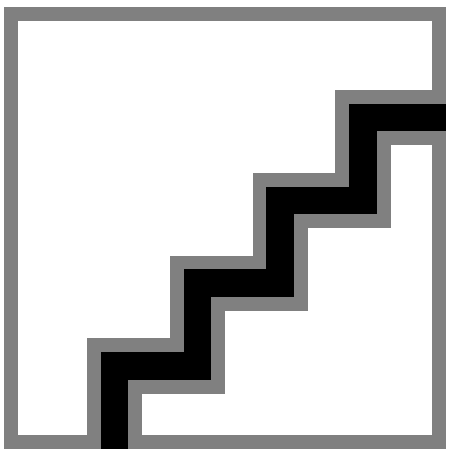

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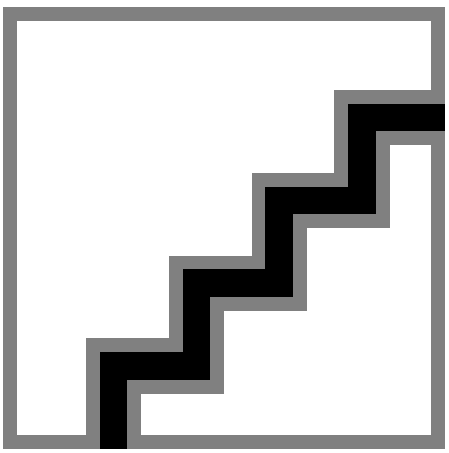

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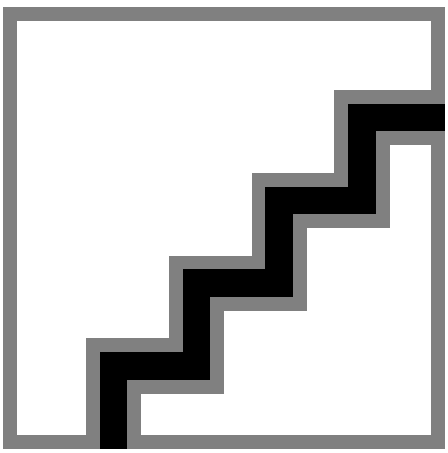

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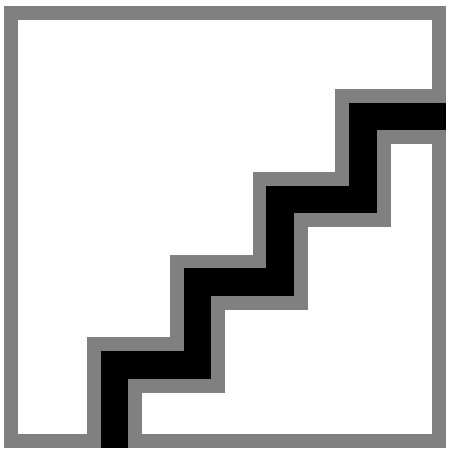

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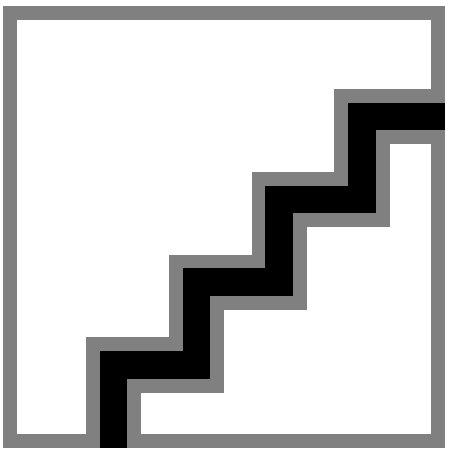

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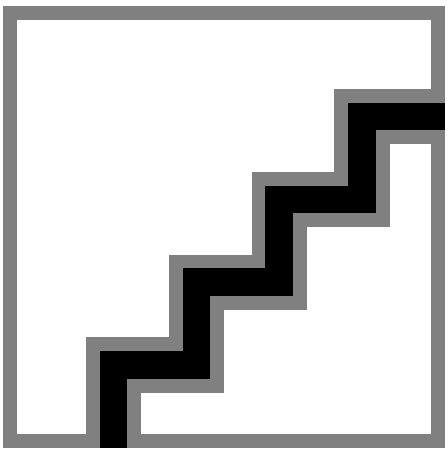

WT475C 72S/840 PSD WB L1200
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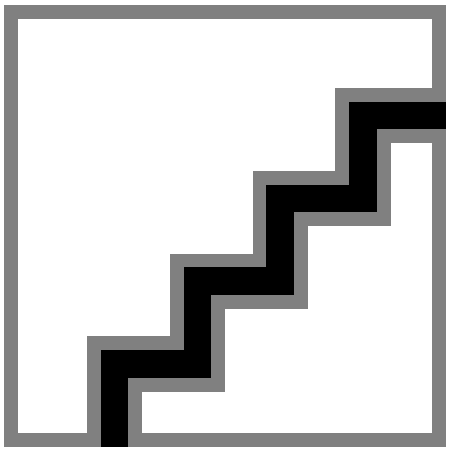

WT475C 72S/840 PSU VWB TW1 L1200
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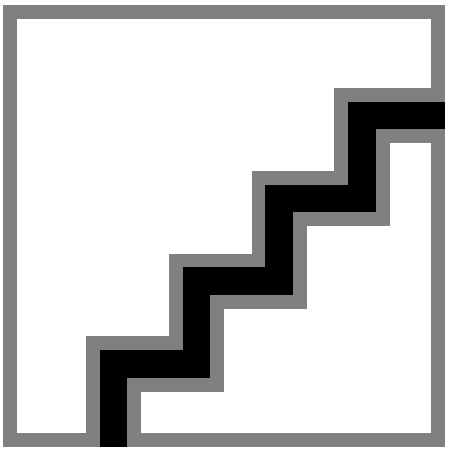

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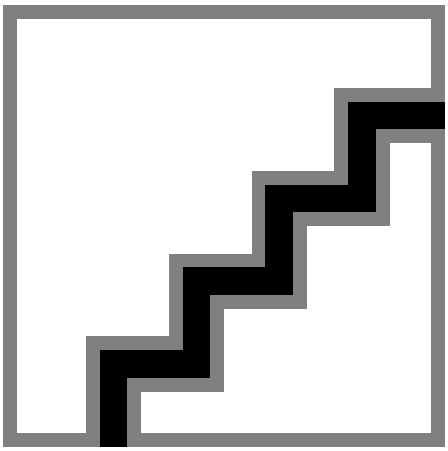

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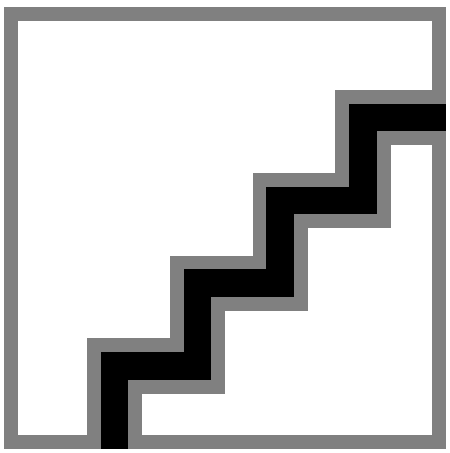

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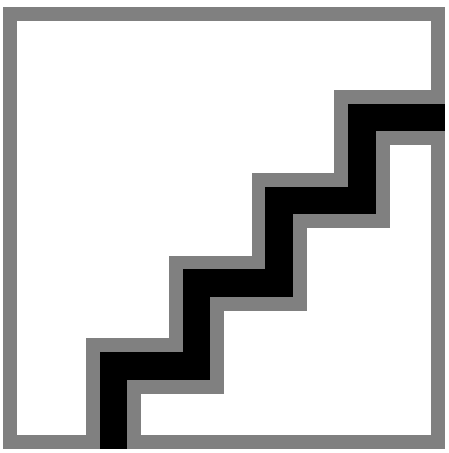

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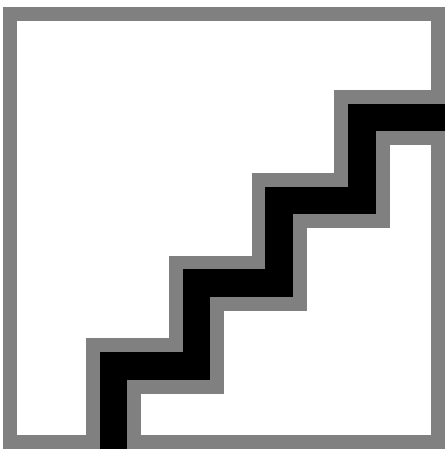

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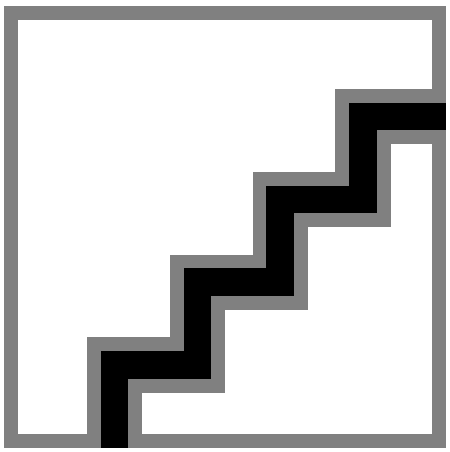

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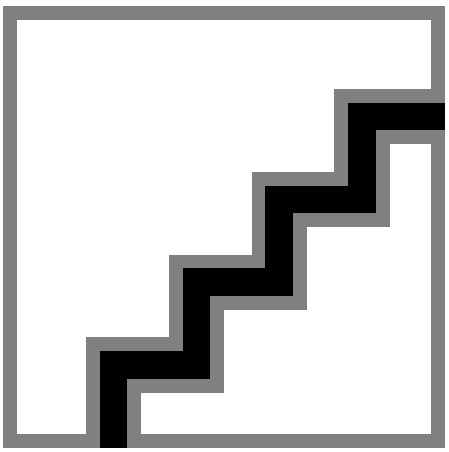

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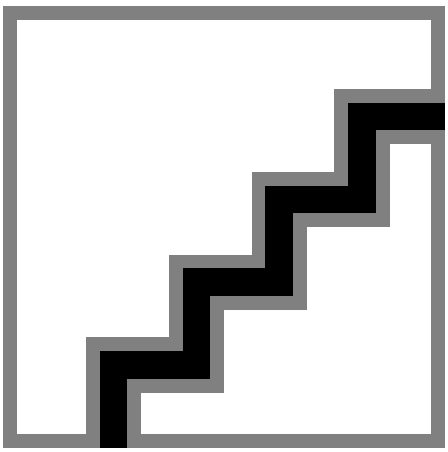

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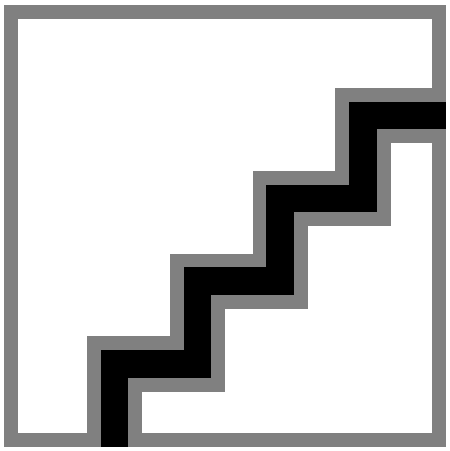

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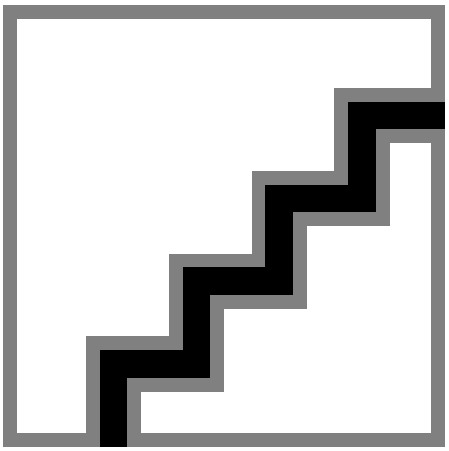

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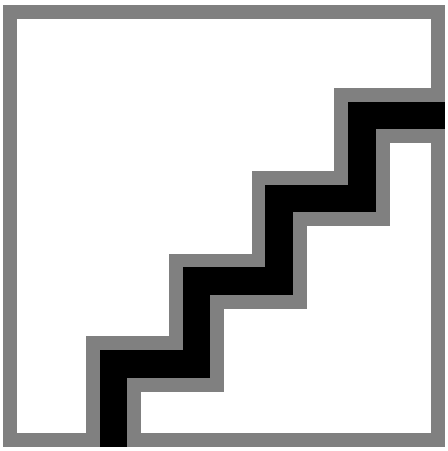

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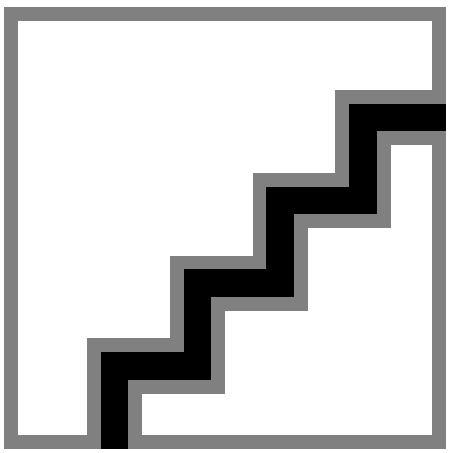

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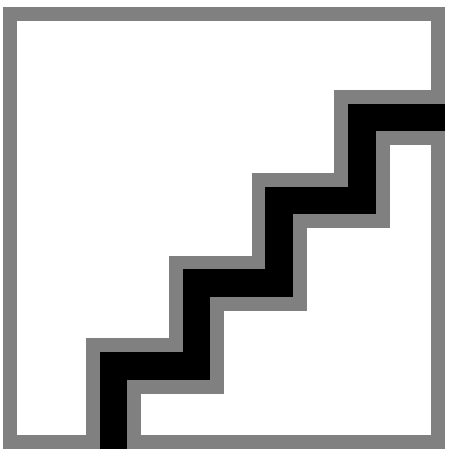

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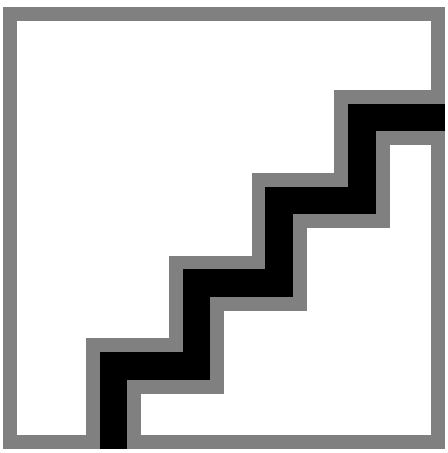

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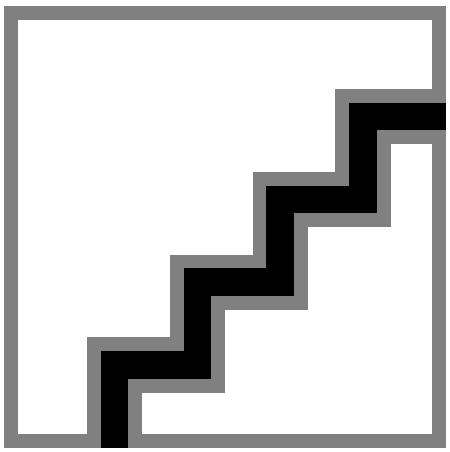

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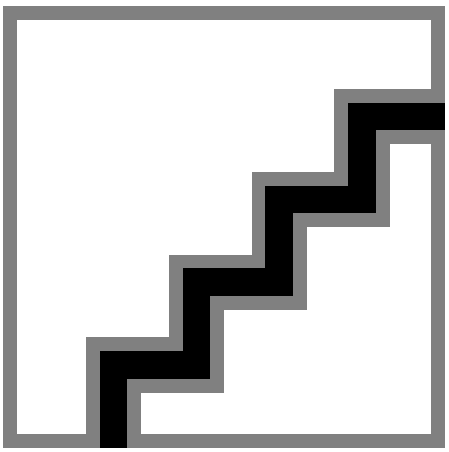

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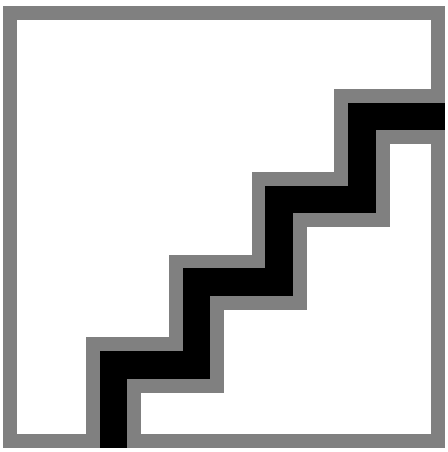

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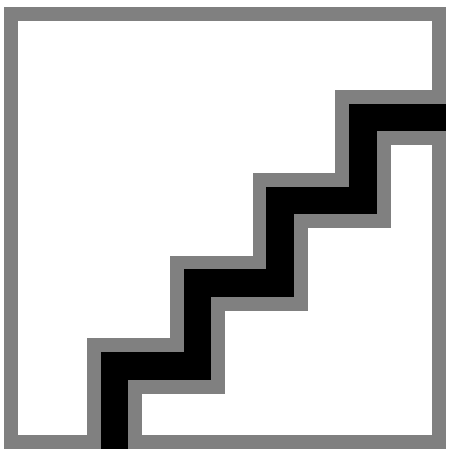

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