Innovative LED light lines have never been so simple

CoreLine trunking gen2.5

CoreLine Trunking gen2 is a light-line system that is designed for simplicity. It comes in a choice of lengths, flux packages and beam shapes to suit every project and application. Easy to use and integrate with spots and sensors, CoreLine Trunking gen2 provides consistent, high-quality lighting with added protection against accidental water ingress. The innovative system is also easy to assemble and install for faster retrofits and refurbishments

Benefits

- Simplicity – easy to understand architecture
- Wide portfolio offer including emergency lighting options
- Consistent, high-quality light without color or striping artefacts
- Easy to order, fast to assemble and install
- InterAct ready for enhanced use in Retail and Industry applications
- Fully compliant with relevant norms

Features

- Intuitive, single layer architecture – only #2 12NCs needed to create a line
- Choice of 3 lengths, each with 3 flux packages
- 8 different optics with consistent light quality
- Dedicated sensor units to upgrade to Interact system propositions
- Lumen maintenance @ 50,000 hours - L85
- Available as trunking and standalone versions

Application

- Food and Large Retailers
- Manufacturing
- Warehouses

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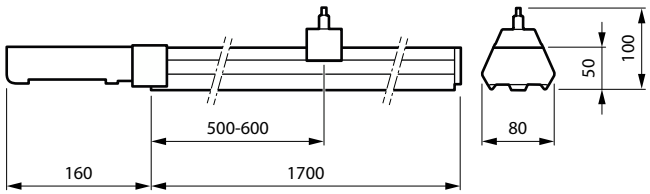
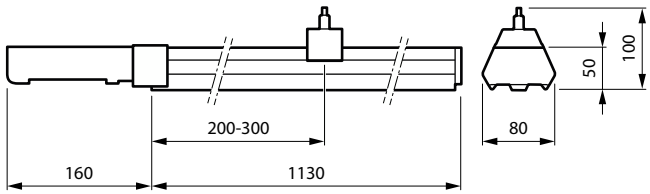
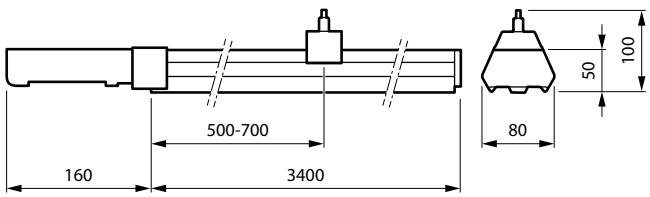
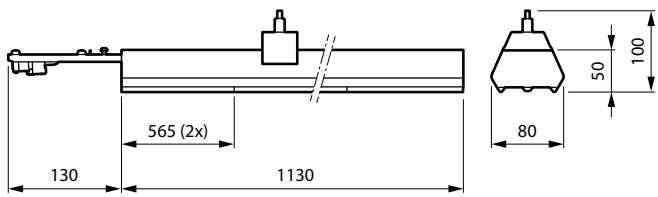
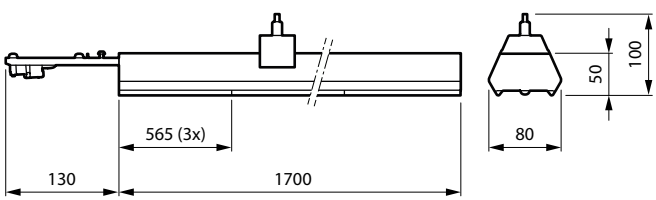
Dimensional drawing











Product details

Coreline trunking gen2.5 coupling

CoreLine trunking gen2.5

General Information	
Driver included	Yes
Light Technical	
Beam angle of light source	120 degree(s)
Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	>80
Operating and Electrical	
Protection class IEC	Safety class I
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Suitable for random switching	Not applicable
Mechanical and Housing	
Housing Color	White
Mech. impact protection code	IK02
Ingress protection code	IP20
Approval and Application	
Ambient temperature range	-20 to +35 °C
CE mark	Yes
ENEC mark	ENEC plus mark
Flammability mark	-
Glow-wire test	Temperature 850 °C, duration 30 s
Initial Performance (IEC Compliant)	
Initial chromaticity	(0.38, 0.38) SDCM <3
Luminous flux tolerance	+/-10%

General Information

Order Code	Full Product Name	Number of gear units
47472700	LL243X 160S/840 UE PSU WB BV WH	1 unit
47473400	LL243X 160S/840 UE DIA WB BV WH	1 unit
47474100	LL243X 160S/840 UE PSU NB BV WH	1 unit
47475800	LL243X 160S/840 UE DIA NB BV WH	1 unit
47476500	LL243X 240S/840 HE PSU NB BV WH	2 units
47477200	LL243X 240S/840 UE DIA NB BV WH	2 units
47478900	LL243X 160S/840 NE PSU WB BV WH	1 unit
47479600	LL243X 160S/840 NE DIA WB BV WH	1 unit
47480200	LL243X 160S/840 NE PSU NB BV WH	1 unit
47481900	LL243X 160S/840 NE DIA NB BV WH	1 unit
47446800	LL241X 53S/840 PSU NE WB 5x1.5 WH	1 unit
47447500	LL241X 80S/840 HE PSU WB 5x1.5 WH	1 unit
47448200	LL242X 80S/840 NE DIA WB 7x1.5 WH	1 unit
47449900	LL242X 45S/840 UE DIA WB 7x1.5 WH	1 unit
47450500	LL242X 45S/840 UE PSU WB 5x1.5 WH	1 unit
47451200	LL242X 80S/840 UE DIA WB 7x1.5 WH	1 unit
47452900	LL242X 80S/840 HE PSU WB 5x1.5 WH	1 unit
47453600	LL242X 120S/840 UE DIA WB 7x1.5 WH	1 unit
47454300	LL242X 120S/840 UE PSU WB 5x1.5 WH	1 unit
47455000	LL242X 120S/840 HE DIA O 7x1.5 WH	1 unit
47456700	LL242X 120S/840 HE PSU O 5x1.5 WH	1 unit
47457400	LL243X 160S/840 NE DIA WB 7x1.5 WH	1 unit
47458100	LL243X 90S/840 UE DIA WB 7x1.5 WH	1 unit
47459800	LL243X 90S/840 UE PSU WB 5x1.5 WH	1 unit
47460400	LL243X 160S/840 UE DIA WB 7x1.5 WH	1 unit
47461100	LL243X 160S/840 UE PSU WB 5x1.5 WH	1 unit
47462800	LL243X 240S/840 UE DIA WB 7x1.5 WH	2 units
47463500	LL243X 240S/840 HE PSU WB 5x1.5 WH	2 units
47464200	LL243X 160S/840 UE DIA NB 7x1.5 WH	1 unit
47465900	LL243X 160S/840 UE PSU NB 5x1.5 WH	1 unit
47466600	LL243X 240S/840 UE DIA NB 7x1.5 WH	2 units
47467300	LL243X 240S/840 HE PSU NB 5x1.5 WH	2 units
47469700	LL243X 160S/840 HE PSU O 5x1.5 WH	1 unit
47470300	LL243X 240S/840 HE DIA O 7x1.5 WH	2 units
47471000	LL243X 240S/840 HE PSU O 5x1.5 WH	2 units

Light Technical

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux	Optic type
47472700	LL243X 160S/840 UE PSU WB BV WH	195 lm/W	16,000 lm	Wide beam
47473400	LL243X 160S/840 UE DIA WB BV WH	200 lm/W	16,000 lm	Wide beam
47474100	LL243X 160S/840 UE PSU NB BV WH	195 lm/W	16,000 lm	Narrow beam
47475800	LL243X 160S/840 UE DIA NB BV WH	200 lm/W	16,000 lm	Narrow beam

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux	Optic type
47476500	LL243X 240S/840 HE PSU NB BV WH	182 lm/W	24,000 lm	Narrow beam
47477200	LL243X 240S/840 UE DIA NB BV WH	188 lm/W	24,000 lm	Narrow beam
47478900	LL243X 160S/840 NE PSU WB BV WH	160 lm/W	16,000 lm	Wide beam
47479600	LL243X 160S/840 NE DIA WB BV WH	160 lm/W	16,000 lm	Wide beam

CoreLine trunking gen2.5

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux	Optic type
47480200	LL243X 160S/840 NE PSU NB BV WH	160 lm/W	16,000 lm	Narrow beam
47481900	LL243X 160S/840 NE DIA NB BV WH	160 lm/W	16,000 lm	Narrow beam
47446800	LL241X 53S/840 PSU NE WB 5x1.5 WH	156 lm/W	5,300 lm	Wide beam
47447500	LL241X 80S/840 HE PSU WB 5x1.5 WH	180 lm/W	8,000 lm	Wide beam
47448200	LL242X 80S/840 NE DIA WB 7x1.5 WH	160 lm/W	8,000 lm	Wide beam
47449900	LL242X 45S/840 UE DIA WB 7x1.5 WH	188 lm/W	4,500 lm	Wide beam
47450500	LL242X 45S/840 UE PSU WB 5x1.5 WH	191 lm/W	4,500 lm	Wide beam
47451200	LL242X 80S/840 UE DIA WB 7x1.5 WH	186 lm/W	8,000 lm	Wide beam
47452900	LL242X 80S/840 HE PSU WB 5x1.5 WH	182 lm/W	8,000 lm	Wide beam
47453600	LL242X 120S/840 UE DIA WB 7x1.5 WH	185 lm/W	12,000 lm	Wide beam
47454300	LL242X 120S/840 UE PSU WB 5x1.5 WH	185 lm/W	12,000 lm	Wide beam
47455000	LL242X 120S/840 HE DIA O 7x1.5 WH	169 lm/W	11,000 lm	Opal
47456700	LL242X 120S/840 HE PSU O 5x1.5 WH	169 lm/W	11,000 lm	Opal
47457400	LL243X 160S/840 NE DIA WB 7x1.5 WH	160 lm/W	16,000 lm	Wide beam

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux	Optic type
47458100	LL243X 90S/840 UE DIA WB 7x1.5 WH	198 lm/W	9,000 lm	Wide beam
47459800	LL243X 90S/840 UE PSU WB 5x1.5 WH	200 lm/W	9,000 lm	Wide beam
47460400	LL243X 160S/840 UE DIA WB 7x1.5 WH	200 lm/W	16,000 lm	Wide beam
47461100	LL243X 160S/840 UE PSU WB 5x1.5 WH	195 lm/W	16,000 lm	Wide beam
47462800	LL243X 240S/840 UE DIA WB 7x1.5 WH	188 lm/W	24,000 lm	Wide beam
47463500	LL243X 240S/840 HE PSU WB 5x1.5 WH	182 lm/W	24,000 lm	Wide beam
47464200	LL243X 160S/840 UE DIA NB 7x1.5 WH	200 lm/W	16,000 lm	Narrow beam
47465900	LL243X 160S/840 UE PSU NB 5x1.5 WH	195 lm/W	16,000 lm	Narrow beam
47466600	LL243X 240S/840 UE DIA NB 7x1.5 WH	188 lm/W	24,000 lm	Narrow beam
47467300	LL243X 240S/840 HE PSU NB 5x1.5 WH	182 lm/W	24,000 lm	Narrow beam
47469700	LL243X 160S/840 HE PSU O 5x1.5 WH	183 lm/W	15,000 lm	Opal
47470300	LL243X 240S/840 HE DIA O 7x1.5 WH	176 lm/W	22,500 lm	Opal
47471000	LL243X 240S/840 HE PSU O 5x1.5 WH	170 lm/W	22,500 lm	Opal

Operating and Electrical

Order Code	Full Product Name	Power Consumption
47472700	LL243X 160S/840 UE PSU WB BV WH	82 W
47473400	LL243X 160S/840 UE DIA WB BV WH	80 W
47474100	LL243X 160S/840 UE PSU NB BV WH	82 W
47475800	LL243X 160S/840 UE DIA NB BV WH	80 W
47476500	LL243X 240S/840 HE PSU NB BV WH	132 W
47477200	LL243X 240S/840 UE DIA NB BV WH	128 W
47478900	LL243X 160S/840 NE PSU WB BV WH	100 W
47479600	LL243X 160S/840 NE DIA WB BV WH	100 W
47480200	LL243X 160S/840 NE PSU NB BV WH	100 W
47481900	LL243X 160S/840 NE DIA NB BV WH	100 W
47446800	LL241X 53S/840 PSU NE WB 5x1.5 WH	34 W
47447500	LL241X 80S/840 HE PSU WB 5x1.5 WH	44.5 W
47448200	LL242X 80S/840 NE DIA WB 7x1.5 WH	50 W
47449900	LL242X 45S/840 UE DIA WB 7x1.5 WH	24 W
47450500	LL242X 45S/840 UE PSU WB 5x1.5 WH	23.5 W
47451200	LL242X 80S/840 UE DIA WB 7x1.5 WH	43 W
47452900	LL242X 80S/840 HE PSU WB 5x1.5 WH	44 W
47453600	LL242X 120S/840 UE DIA WB 7x1.5 WH	65 W

Order Code	Full Product Name	Power Consumption
47454300	LL242X 120S/840 UE PSU WB 5x1.5 WH	65 W
47455000	LL242X 120S/840 HE DIA O 7x1.5 WH	65 W
47456700	LL242X 120S/840 HE PSU O 5x1.5 WH	65 W
47457400	LL243X 160S/840 NE DIA WB 7x1.5 WH	100 W
47458100	LL243X 90S/840 UE DIA WB 7x1.5 WH	45.5 W
47459800	LL243X 90S/840 UE PSU WB 5x1.5 WH	45 W
47460400	LL243X 160S/840 UE DIA WB 7x1.5 WH	80 W
47461100	LL243X 160S/840 UE PSU WB 5x1.5 WH	82 W
47462800	LL243X 240S/840 UE DIA WB 7x1.5 WH	128 W
47463500	LL243X 240S/840 HE PSU WB 5x1.5 WH	132 W
47464200	LL243X 160S/840 UE DIA NB 7x1.5 WH	80 W
47465900	LL243X 160S/840 UE PSU NB 5x1.5 WH	82 W
47466600	LL243X 240S/840 UE DIA NB 7x1.5 WH	128 W
47467300	LL243X 240S/840 HE PSU NB 5x1.5 WH	132 W
47469700	LL243X 160S/840 HE PSU O 5x1.5 WH	82 W
47470300	LL243X 240S/840 HE DIA O 7x1.5 WH	128 W
47471000	LL243X 240S/840 HE PSU O 5x1.5 WH	132 W

Controls and Dimming

Order Code	Full Product Name	Dimmable	Maximum dim level
47472700	LL243X 160S/840 UE PSU WB BV WH	No	Not applicable
47473400	LL243X 160S/840 UE DIA WB BV WH	Yes	1%
47474100	LL243X 160S/840 UE PSU NB BV WH	No	Not applicable
47475800	LL243X 160S/840 UE DIA NB BV WH	Yes	1%
47476500	LL243X 240S/840 HE PSU NB BV WH	No	Not applicable
47477200	LL243X 240S/840 UE DIA NB BV WH	Yes	1%
47478900	LL243X 160S/840 NE PSU WB BV WH	No	Not applicable
47479600	LL243X 160S/840 NE DIA WB BV WH	Yes	1%
47480200	LL243X 160S/840 NE PSU NB BV WH	No	Not applicable
47481900	LL243X 160S/840 NE DIA NB BV WH	Yes	1%
47446800	LL241X 53S/840 PSU NE WB 5x1.5 WH	No	Not applicable
47447500	LL241X 80S/840 HE PSU WB 5x1.5 WH	No	Not applicable
47448200	LL242X 80S/840 NE DIA WB 7x1.5 WH	Yes	1%
47449900	LL242X 45S/840 UE DIA WB 7x1.5 WH	Yes	1%
47450500	LL242X 45S/840 UE PSU WB 5x1.5 WH	No	Not applicable
47451200	LL242X 80S/840 UE DIA WB 7x1.5 WH	Yes	1%
47452900	LL242X 80S/840 HE PSU WB 5x1.5 WH	No	Not applicable
47453600	LL242X 120S/840 UE DIA WB 7x1.5 WH	Yes	1%

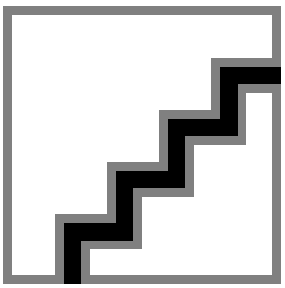
Order Code	Full Product Name	Dimmable	Maximum dim level
47454300	LL242X 120S/840 UE PSU WB 5x1.5 WH	No	Not applicable
47455000	LL242X 120S/840 HE DIA O 7x1.5 WH	Yes	1%
47456700	LL242X 120S/840 HE PSU O 5x1.5 WH	No	Not applicable
47457400	LL243X 160S/840 NE DIA WB 7x1.5 WH	Yes	1%
47458100	LL243X 90S/840 UE DIA WB 7x1.5 WH	Yes	1%
47459800	LL243X 90S/840 UE PSU WB 5x1.5 WH	No	Not applicable
47460400	LL243X 160S/840 UE DIA WB 7x1.5 WH	Yes	1%
47461100	LL243X 160S/840 UE PSU WB 5x1.5 WH	No	Not applicable
47462800	LL243X 240S/840 UE DIA WB 7x1.5 WH	Yes	1%
47463500	LL243X 240S/840 HE PSU WB 5x1.5 WH	No	Not applicable
47464200	LL243X 160S/840 UE DIA NB 7x1.5 WH	Yes	1%
47465900	LL243X 160S/840 UE PSU NB 5x1.5 WH	No	Not applicable
47466600	LL243X 240S/840 UE DIA NB 7x1.5 WH	Yes	1%
47467300	LL243X 240S/840 HE PSU NB 5x1.5 WH	No	Not applicable
47469700	LL243X 160S/840 HE PSU O 5x1.5 WH	No	Not applicable
47470300	LL243X 240S/840 HE DIA O 7x1.5 WH	Yes	1%
47471000	LL243X 240S/840 HE PSU O 5x1.5 WH	No	Not applicable

Product Data

Order Code	Full Product Name	Product family code
47472700	LL243X 160S/840 UE PSU WB BV WH	LL243X
47473400	LL243X 160S/840 UE DIA WB BV WH	LL243X
47474100	LL243X 160S/840 UE PSU NB BV WH	LL243X
47475800	LL243X 160S/840 UE DIA NB BV WH	LL243X
47476500	LL243X 240S/840 HE PSU NB BV WH	LL243X
47477200	LL243X 240S/840 UE DIA NB BV WH	LL243X
47478900	LL243X 160S/840 NE PSU WB BV WH	LL243X
47479600	LL243X 160S/840 NE DIA WB BV WH	LL243X
47480200	LL243X 160S/840 NE PSU NB BV WH	LL243X
47481900	LL243X 160S/840 NE DIA NB BV WH	LL243X
47446800	LL241X 53S/840 PSU NE WB 5x1.5 WH	LL241X
47447500	LL241X 80S/840 HE PSU WB 5x1.5 WH	LL241X
47448200	LL242X 80S/840 NE DIA WB 7x1.5 WH	LL242X
47449900	LL242X 45S/840 UE DIA WB 7x1.5 WH	LL242X
47450500	LL242X 45S/840 UE PSU WB 5x1.5 WH	LL242X
47451200	LL242X 80S/840 UE DIA WB 7x1.5 WH	LL242X
47452900	LL242X 80S/840 HE PSU WB 5x1.5 WH	LL242X
47453600	LL242X 120S/840 UE DIA WB 7x1.5 WH	LL242X

Order Code	Full Product Name	Product family code
47454300	LL242X 120S/840 UE PSU WB 5x1.5 WH	LL242X
47455000	LL242X 120S/840 HE DIA O 7x1.5 WH	LL242X
47456700	LL242X 120S/840 HE PSU O 5x1.5 WH	LL242X
47457400	LL243X 160S/840 NE DIA WB 7x1.5 WH	LL243X
47458100	LL243X 90S/840 UE DIA WB 7x1.5 WH	LL243X
47459800	LL243X 90S/840 UE PSU WB 5x1.5 WH	LL243X
47460400	LL243X 160S/840 UE DIA WB 7x1.5 WH	LL243X
47461100	LL243X 160S/840 UE PSU WB 5x1.5 WH	LL243X
47462800	LL243X 240S/840 UE DIA WB 7x1.5 WH	LL243X
47463500	LL243X 240S/840 HE PSU WB 5x1.5 WH	LL243X
47464200	LL243X 160S/840 UE DIA NB 7x1.5 WH	LL243X
47465900	LL243X 160S/840 UE PSU NB 5x1.5 WH	LL243X
47466600	LL243X 240S/840 UE DIA NB 7x1.5 WH	LL243X
47467300	LL243X 240S/840 HE PSU NB 5x1.5 WH	LL243X
47469700	LL243X 160S/840 HE PSU O 5x1.5 WH	LL243X
47470300	LL243X 240S/840 HE DIA O 7x1.5 WH	LL243X
47471000	LL243X 240S/840 HE PSU O 5x1.5 WH	LL243X

Polar Wide Diagrams



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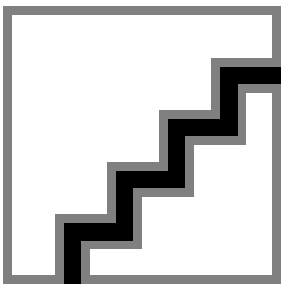

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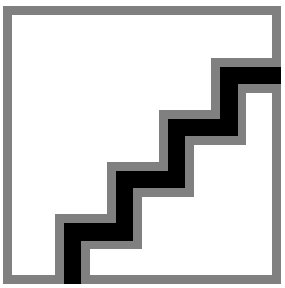

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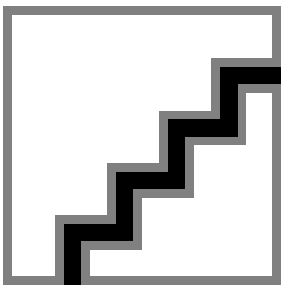

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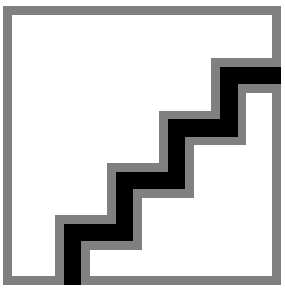

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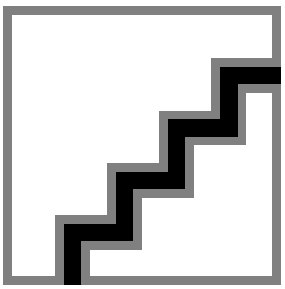

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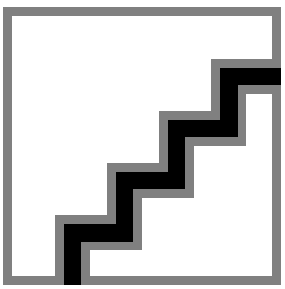

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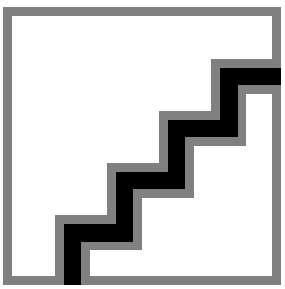

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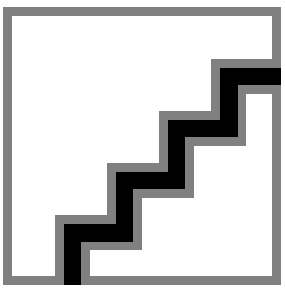

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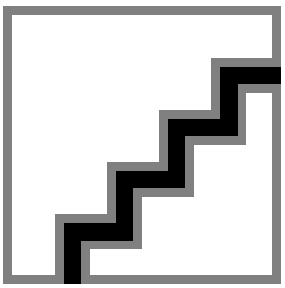
Polar Wide Diagrams



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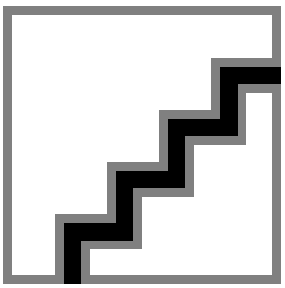

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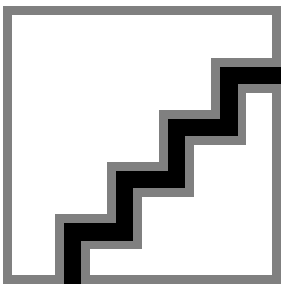

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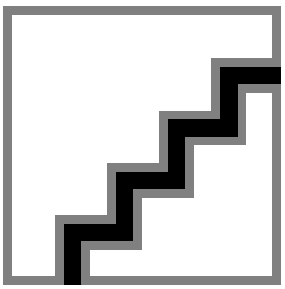

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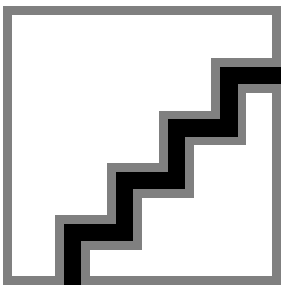

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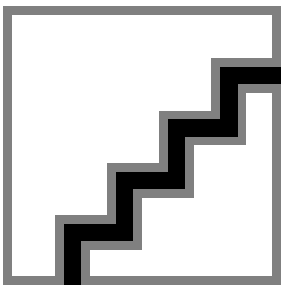

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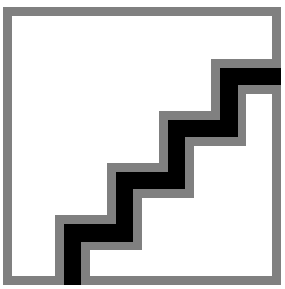

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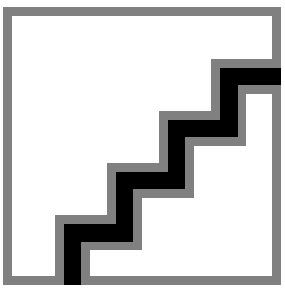

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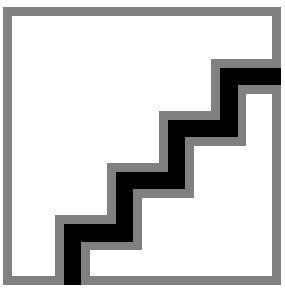

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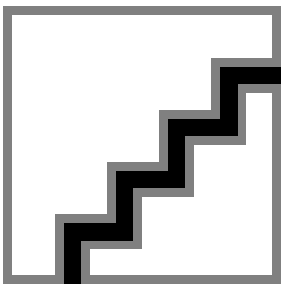
Polar Wide Diagrams



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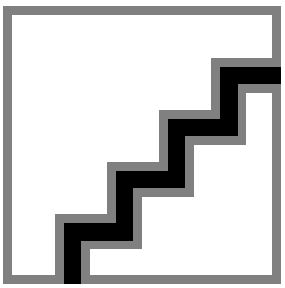

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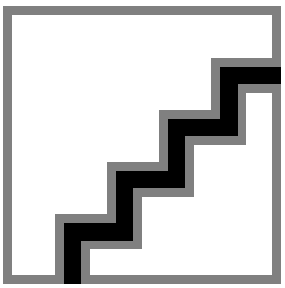

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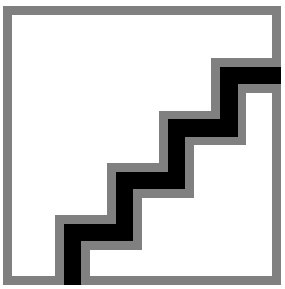

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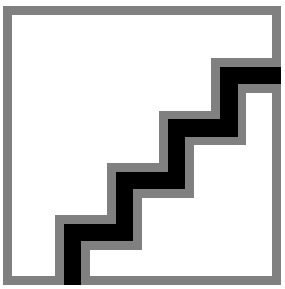

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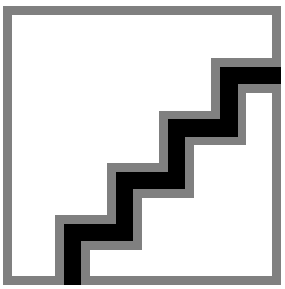

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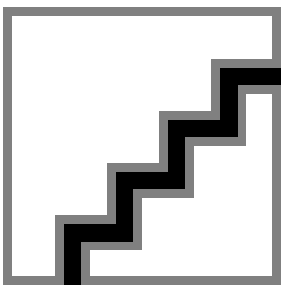

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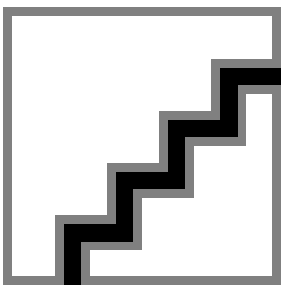

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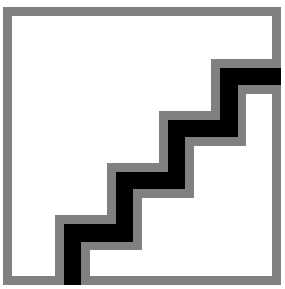

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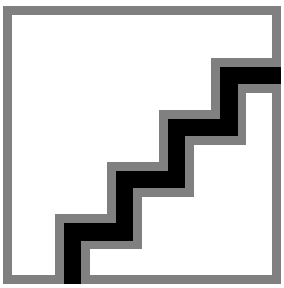
Polar Wide Diagrams



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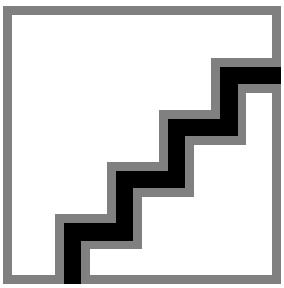

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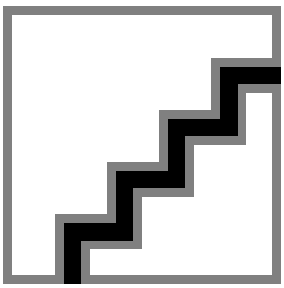

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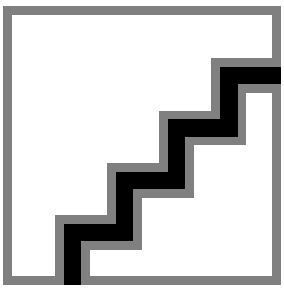

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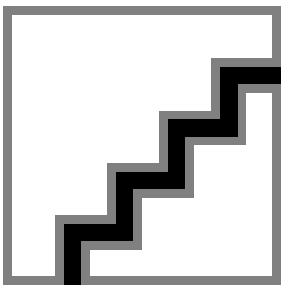

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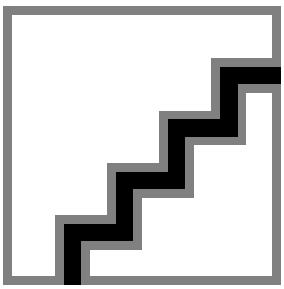

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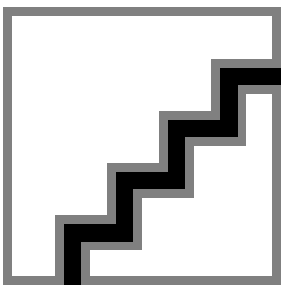

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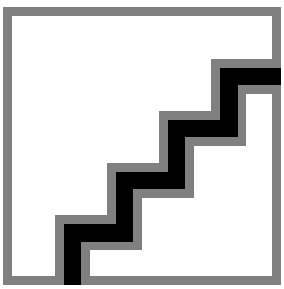

Polar Normal (separate) - LL240XI - 910925870120

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