



A versatile high-bay LED luminaire with high efficiency and future-proof connectivity

Green Perform Highbay Elite

GreenPerform Highbay Elite is the latest innovation in a successful range of highbay luminaires for high ceiling and industrial applications. The unique finless design has received the iF Design Award 2019 and Reddot Design Award 2019 for its aesthetic appeal. But this versatile luminaire offers a wealth of practical features too, including great light quality, high energy savings, a long lifetime at an affordable price and a wide variety of optics and lumen packages. The Green Perform Highbay Elite luminaire provides options for advanced connectivity with IoT-based systems and software applications including the Interact Pro system. If you're looking for a 'fit and forget' robust and reliable solution with connectivity advantages, Green Perform Highbay Elite is the smart choice.

Benefits

- Unique aesthetics with superior light quality.
- Robust and reliable with a highly-efficient, long service life and an attractive Total Cost of Ownership, saving up to 60% as a point-to-point replacement for HPI 250 W, HPL 400 W and HPI 400 W.
- Connected ready for cloud-based IoT software applications.

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Features

- High efficiency up to 145 lm/w
- Long service life of 75,000 hours (L70B50 at a temperature of 35 °C)
- Complete range of lumen packages from 10,000 to 30,000 lm
- Colour Rendering Index of above 80
- Wide variety of optics for a range of applications, and suitable for hook, pipe and bracket mountings

Application

- General manufacturing
- Warehouses and logistical centres
- Hallways

Versions



Green Perform Highbay Elite

Application Conditions

Ambient temperature range	-30 to +50 °C
Suitable for random switching	No

Approval and Application

Ingress protection code	IP65
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Operating and Electrical

Input Voltage	220 to 240 V
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General Information

CE mark	CE mark
Protection class IEC	Safety class I (I)
Driver included	Yes
ENEC mark	-
Flammability mark	F
Glow-wire test	650/30
Light source replaceable	No
Optic type	Symmetrical

Initial Performance (IEC Compliant)

Init. Colour rendering index	>80
Luminous flux tolerance	+/-10%

Application Conditions

Order Code	Full Product Name	Maximum dimming level
01569551	BY718P LED200/NW PSU WB	Not applicable
01576751	BY718P LED150/NW PSU WB	Not applicable
01571851	BY718P LED100/CW PSD NB	1%
01571951	BY718P LED100/CW PSD WB	1%
01572051	BY718P LED100/NW PSD NB	1%
01572151	BY718P LED100/NW PSD WB	1%
01572251	BY718P LED200/CW PSD NB	1%
01572351	BY718P LED200/CW PSD WB	1%
01572451	BY718P LED200/NW PSD NB	1%
01576361	BY718X LED100/CW IAI NB IP65	10%
01576461	BY718X LED100/CW IAI WB IP65	10%
01576561	BY718X LED100/NW IAI NB IP65	10%
01576661	BY718X LED100/NW IAI WB IP65	10%
01576761	BY718X LED150/CW IAI NB IP65	10%
01576861	BY718X LED150/CW IAI WB IP65	10%
01576961	BY718X LED150/NW IAI NB IP65	10%
01577061	BY718X LED150/NW IAI WB IP65	10%
01577161	BY718X LED200/CW IAI NB IP65	10%
01577261	BY718X LED200/CW IAI WB IP65	10%
01577361	BY718X LED200/NW IAI NB IP65	10%
01577461	BY718X LED200/NW IAI WB IP65	10%
01577561	BY718X LED250/CW IAI NB IP65	10%
01577661	BY718X LED250/CW IAI WB IP65	10%
01577761	BY718X LED250/NW IAI NB IP65	10%
01577861	BY718X LED250/NW IAI WB IP65	10%
01577961	BY718X LED300/CW IAI NB IP65	10%
01578061	BY718X LED300/CW IAI WB IP65	10%
01578161	BY718X LED300/NW IAI NB IP65	10%
01578261	BY718X LED300/NW IAI WB IP65	10%
01580551	BY718P LED150/CW PSD NB	1%
01580651	BY718P LED150/CW PSD WB	1%
01580751	BY718P LED150/NW PSD NB	1%
01580951	BY718P LED250/CW PSD NB	1%
01581051	BY718P LED250/CW PSD WB	1%
01581151	BY718P LED250/NW PSD NB	1%
01581351	BY718P LED300/CW PSD NB	1%
01581451	BY718P LED300/CW PSD WB	1%

Approval and Application

Order Code	Full Product Name	Mech. impact protection code	Order Code	Full Product Name	Mech. impact protection code
01569551	BY718P LED200/NW PSU WB	IK08	01576361	BY718X LED100/CW IAI NB IP65	IK05
01576751	BY718P LED150/NW PSU WB	IK08	01576461	BY718X LED100/CW IAI WB IP65	IK05
01571851	BY718P LED100/CW PSD NB	IK08	01576561	BY718X LED100/NW IAI NB IP65	IK05
01571951	BY718P LED100/CW PSD WB	IK08	01576661	BY718X LED100/NW IAI WB IP65	IK05
01572051	BY718P LED100/NW PSD NB	IK08	01576761	BY718X LED150/CW IAI NB IP65	IK05
01572151	BY718P LED100/NW PSD WB	IK08	01576861	BY718X LED150/CW IAI WB IP65	IK05
01572251	BY718P LED200/CW PSD NB	IK08	01576961	BY718X LED150/NW IAI NB IP65	IK05
01572351	BY718P LED200/CW PSD WB	IK08	01577061	BY718X LED150/NW IAI WB IP65	IK05
01572451	BY718P LED200/NW PSD NB	IK08	01577161	BY718X LED200/CW IAI NB IP65	IK05

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Order Code	Full Product Name	Mech. impact protection code
01577261	BY718X LED200/CW IAI WB IP65	IK05
01577361	BY718X LED200/NW IAI NB IP65	IK05
01577461	BY718X LED200/NW IAI WB IP65	IK05
01577561	BY718X LED250/CW IAI NB IP65	IK05
01577661	BY718X LED250/CW IAI WB IP65	IK05
01577761	BY718X LED250/NW IAI NB IP65	IK05
01577861	BY718X LED250/NW IAI WB IP65	IK05
01577961	BY718X LED300/CW IAI NB IP65	IK05
01578061	BY718X LED300/CW IAI WB IP65	IK05
01578161	BY718X LED300/NW IAI NB IP65	IK05

Order Code	Full Product Name	Mech. impact protection code
01578261	BY718X LED300/NW IAI WB IP65	IK05
01580551	BY718P LED150/CW PSD NB	IK08
01580651	BY718P LED150/CW PSD WB	IK08
01580751	BY718P LED150/NW PSD NB	IK08
01580951	BY718P LED250/CW PSD NB	IK08
01581051	BY718P LED250/CW PSD WB	IK08
01581151	BY718P LED250/NW PSD NB	IK08
01581351	BY718P LED300/CW PSD NB	IK08
01581451	BY718P LED300/CW PSD WB	IK08

Controls and Dimming

Order Code	Full Product Name	Dimmable
01569551	BY718P LED200/NW PSU WB	No
01576751	BY718P LED150/NW PSU WB	No
01571851	BY718P LED100/CW PSD NB	Yes
01571951	BY718P LED100/CW PSD WB	Yes
01572051	BY718P LED100/NW PSD NB	Yes
01572151	BY718P LED100/NW PSD WB	Yes
01572251	BY718P LED200/CW PSD NB	Yes
01572351	BY718P LED200/CW PSD WB	Yes
01572451	BY718P LED200/NW PSD NB	Yes
01576361	BY718X LED100/CW IAI NB IP65	No
01576461	BY718X LED100/CW IAI WB IP65	No
01576561	BY718X LED100/NW IAI NB IP65	No
01576661	BY718X LED100/NW IAI WB IP65	No
01576761	BY718X LED150/CW IAI NB IP65	No
01576861	BY718X LED150/CW IAI WB IP65	No
01576961	BY718X LED150/NW IAI NB IP65	No
01577061	BY718X LED150/NW IAI WB IP65	No
01577161	BY718X LED200/CW IAI NB IP65	No
01577261	BY718X LED200/CW IAI WB IP65	No

Order Code	Full Product Name	Dimmable
01577361	BY718X LED200/NW IAI NB IP65	No
01577461	BY718X LED200/NW IAI WB IP65	No
01577561	BY718X LED250/CW IAI NB IP65	No
01577661	BY718X LED250/CW IAI WB IP65	No
01577761	BY718X LED250/NW IAI NB IP65	No
01577861	BY718X LED250/NW IAI WB IP65	No
01577961	BY718X LED300/CW IAI NB IP65	No
01578061	BY718X LED300/CW IAI WB IP65	No
01578161	BY718X LED300/NW IAI NB IP65	No
01578261	BY718X LED300/NW IAI WB IP65	No
01580551	BY718P LED150/CW PSD NB	Yes
01580651	BY718P LED150/CW PSD WB	Yes
01580751	BY718P LED150/NW PSD NB	Yes
01580951	BY718P LED250/CW PSD NB	Yes
01581051	BY718P LED250/CW PSD WB	Yes
01581151	BY718P LED250/NW PSD NB	Yes
01581351	BY718P LED300/CW PSD NB	Yes
01581451	BY718P LED300/CW PSD WB	Yes

General Information

Order Code	Full Product Name	Beam angle of light source	Optical cover/lens type	Number of gear units
01569551	BY718P LED200/NW PSU WB	-	Lens	1 unit
01576751	BY718P LED150/NW PSU WB	-	Lens	1 unit
01571851	BY718P LED100/CW PSD NB	-	PC	1 unit
01571951	BY718P LED100/CW PSD WB	-	PC	1 unit
01572051	BY718P LED100/NW PSD NB	-	PC	1 unit
01572151	BY718P LED100/NW PSD WB	-	PC	1 unit
01572251	BY718P LED200/CW PSD NB	-	PC	1 unit
01572351	BY718P LED200/CW PSD WB	-	PC	1 unit
01572451	BY718P LED200/NW PSD NB	-	PC	1 unit
01576361	BY718X LED100/CW IAI NB IP65	120 °	No	1 unit

Order Code	Full Product Name	Beam angle of light source	Optical cover/lens type	Number of gear units
01576461	BY718X LED100/CW IAI WB IP65	120 °	No	1 unit
01576561	BY718X LED100/NW IAI NB IP65	120 °	No	1 unit
01576661	BY718X LED100/NW IAI WB IP65	120 °	No	1 unit
01576761	BY718X LED150/CW IAI NB IP65	120 °	No	1 unit
01576861	BY718X LED150/CW IAI WB IP65	120 °	No	1 unit
01576961	BY718X LED150/NW IAI NB IP65	120 °	No	1 unit

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Order Code	Full Product Name	Beam angle of light source	Optical cover/lens type	Number of gear units
01577061	BY718X LED150/NW IAI WB IP65	120 °	No	1 unit
01577161	BY718X LED200/CW IAI NB IP65	120 °	No	1 unit
01577261	BY718X LED200/CW IAI WB IP65	120 °	No	1 unit
01577361	BY718X LED200/NW IAI NB IP65	120 °	No	1 unit
01577461	BY718X LED200/NW IAI WB IP65	120 °	No	1 unit
01577561	BY718X LED250/CW IAI NB IP65	120 °	No	1 unit
01577661	BY718X LED250/CW IAI WB IP65	120 °	No	1 unit
01577761	BY718X LED250/NW IAI NB IP65	120 °	No	1 unit
01577861	BY718X LED250/NW IAI WB IP65	120 °	No	1 unit

Order Code	Full Product Name	Beam angle of light source	Optical cover/lens type	Number of gear units
01577961	BY718X LED300/CW IAI NB IP65	120 °	No	1 unit
01578061	BY718X LED300/CW IAI WB IP65	120 °	No	1 unit
01578161	BY718X LED300/NW IAI NB IP65	120 °	No	1 unit
01578261	BY718X LED300/NW IAI WB IP65	120 °	No	1 unit
01580551	BY718P LED150/CW PSD NB	-	PC	1 unit
01580651	BY718P LED150/CW PSD WB	-	PC	1 unit
01580751	BY718P LED150/NW PSD NB	-	PC	1 unit
01580951	BY718P LED250/CW PSD NB	-	PC	2 units
01581051	BY718P LED250/CW PSD WB	-	PC	2 units
01581151	BY718P LED250/NW PSD NB	-	PC	2 units
01581351	BY718P LED300/CW PSD NB	-	PC	2 units
01581451	BY718P LED300/CW PSD WB	-	PC	2 units

Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
01569551	BY718P LED200/NW PSU WB	-	4000 K	158 lm/W	21500 lm
01576751	BY718P LED150/NW PSU WB	-	4000 K	145 lm/W	15000 lm
01571851	BY718P LED100/CW PSD NB	-	6500 K	145 lm/W	11000 lm
01571951	BY718P LED100/CW PSD WB	-	6500 K	145 lm/W	11000 lm
01572051	BY718P LED100/NW PSD NB	-	4000 K	145 lm/W	11000 lm
01572151	BY718P LED100/NW PSD WB	-	4000 K	145 lm/W	11000 lm
01572251	BY718P LED200/CW PSD NB	-	6500 K	147 lm/W	21500 lm
01572351	BY718P LED200/CW PSD WB	-	6500 K	147 lm/W	21500 lm

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
01572451	BY718P LED200/NW PSD NB	-	4000 K	147 lm/W	21500 lm
01576361	BY718X LED100/CW IAI NB IP65	-	6500 K	145 lm/W	11000 lm
01576461	BY718X LED100/CW IAI WB IP65	-	6500 K	145 lm/W	11000 lm
01576561	BY718X LED100/NW IAI NB IP65	-	4000 K	145 lm/W	11000 lm
01576661	BY718X LED100/NW IAI WB IP65	-	4000 K	145 lm/W	11000 lm
01576761	BY718X LED150/CW IAI NB IP65	-	6500 K	137 lm/W	15000 lm
01576861	BY718X LED150/CW IAI WB IP65	-	6500 K	137 lm/W	15000 lm
01576961	BY718X LED150/NW IAI NB IP65	-	4000 K	137 lm/W	15000 lm

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Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
01577061	BY718X LED150/NW IAI WB IP65	-	4000 K	137 lm/W	15000 lm
01577161	BY718X LED200/CW IAI NB IP65	-	6500 K	147 lm/W	21500 lm
01577261	BY718X LED200/CW IAI WB IP65	-	6500 K	147 lm/W	21500 lm
01577361	BY718X LED200/NW IAI NB IP65	-	4000 K	147 lm/W	21500 lm
01577461	BY718X LED200/NW IAI WB IP65	-	4000 K	147 lm/W	21500 lm
01577561	BY718X LED250/CW IAI NB IP65	-	6500 K	147 lm/W	27000 lm
01577661	BY718X LED250/CW IAI WB IP65	-	6500 K	147 lm/W	27000 lm
01577761	BY718X LED250/NW IAI NB IP65	-	4000 K	147 lm/W	27000 lm
01577861	BY718X LED250/NW IAI WB IP65	-	4000 K	147 lm/W	27000 lm
01577961	BY718X LED300/CW IAI NB IP65	-	6500 K	137 lm/W	30000 lm
01578061	BY718X LED300/CW IAI WB IP65	-	6500 K	137 lm/W	30000 lm

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
01578161	BY718X LED300/NW IAI NB IP65	-	4000 K	137 lm/W	30000 lm
01578261	BY718X LED300/NW IAI WB IP65	-	4000 K	137 lm/W	30000 lm
01580551	BY718P LED150/CW PSD NB	-	6500 K	137 lm/W	15000 lm
01580651	BY718P LED150/CW PSD WB	-	6500 K	137 lm/W	15000 lm
01580751	BY718P LED150/NW PSD NB	-	4000 K	137 lm/W	15000 lm
01580951	BY718P LED250/CW PSD NB	-	6500 K	147 lm/W	27000 lm
01581051	BY718P LED250/CW PSD WB	-	6500 K	147 lm/W	27000 lm
01581151	BY718P LED250/NW PSD NB	-	4000 K	147 lm/W	27000 lm
01581351	BY718P LED300/CW PSD NB	-	6500 K	137 lm/W	30000 lm
01581451	BY718P LED300/CW PSD WB	-	6500 K	137 lm/W	30000 lm

Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power
01569551	BY718P LED200/NW PSU WB	135 W
01576751	BY718P LED150/NW PSU WB	102 W
01571851	BY718P LED100/CW PSD NB	73 W
01571951	BY718P LED100/CW PSD WB	73 W
01572051	BY718P LED100/NW PSD NB	73 W
01572151	BY718P LED100/NW PSD WB	73 W
01572251	BY718P LED200/CW PSD NB	145 W
01572351	BY718P LED200/CW PSD WB	145 W
01572451	BY718P LED200/NW PSD NB	145 W
01576361	BY718X LED100/CW IAI NB IP65	73 W
01576461	BY718X LED100/CW IAI WB IP65	73 W
01576561	BY718X LED100/NW IAI NB IP65	73 W
01576661	BY718X LED100/NW IAI WB IP65	73 W

Order Code	Full Product Name	Initial input power
01576761	BY718X LED150/CW IAI NB IP65	109 W
01576861	BY718X LED150/CW IAI WB IP65	109 W
01576961	BY718X LED150/NW IAI NB IP65	109 W
01577061	BY718X LED150/NW IAI WB IP65	109 W
01577161	BY718X LED200/CW IAI NB IP65	145 W
01577261	BY718X LED200/CW IAI WB IP65	145 W
01577361	BY718X LED200/NW IAI NB IP65	145 W
01577461	BY718X LED200/NW IAI WB IP65	145 W
01577561	BY718X LED250/CW IAI NB IP65	183 W
01577661	BY718X LED250/CW IAI WB IP65	183 W
01577761	BY718X LED250/NW IAI NB IP65	183 W
01577861	BY718X LED250/NW IAI WB IP65	183 W
01577961	BY718X LED300/CW IAI NB IP65	217 W

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Order Code	Full Product Name	Initial input power
01578061	BY718X LED300/CW IAI WB IP65	217 W
01578161	BY718X LED300/NW IAI NB IP65	217 W
01578261	BY718X LED300/NW IAI WB IP65	217 W
01580551	BY718P LED150/CW PSD NB	109 W
01580651	BY718P LED150/CW PSD WB	109 W
01580751	BY718P LED150/NW PSD NB	109 W

Order Code	Full Product Name	Initial input power
01580951	BY718P LED250/CW PSD NB	183 W
01581051	BY718P LED250/CW PSD WB	183 W
01581151	BY718P LED250/NW PSD NB	183 W
01581351	BY718P LED300/CW PSD NB	217 W
01581451	BY718P LED300/CW PSD WB	217 W

Mechanical and Housing

Order Code	Full Product Name	Colour
01569551	BY718P LED200/NW PSU WB	Gray
01576751	BY718P LED150/NW PSU WB	Gray
01571851	BY718P LED100/CW PSD NB	Black and gray
01571951	BY718P LED100/CW PSD WB	Black and gray
01572051	BY718P LED100/NW PSD NB	Black and gray
01572151	BY718P LED100/NW PSD WB	Black and gray
01572251	BY718P LED200/CW PSD NB	Black and gray
01572351	BY718P LED200/CW PSD WB	Black and gray
01572451	BY718P LED200/NW PSD NB	Black and gray
01576361	BY718X LED100/CW IAI NB IP65	Black and gray
01576461	BY718X LED100/CW IAI WB IP65	Black and gray
01576561	BY718X LED100/NW IAI NB IP65	Black and gray
01576661	BY718X LED100/NW IAI WB IP65	Black and gray
01576761	BY718X LED150/CW IAI NB IP65	Black and gray
01576861	BY718X LED150/CW IAI WB IP65	Black and gray
01576961	BY718X LED150/NW IAI NB IP65	Black and gray
01577061	BY718X LED150/NW IAI WB IP65	Black and gray
01577161	BY718X LED200/CW IAI NB IP65	Black and gray
01577261	BY718X LED200/CW IAI WB IP65	Black and gray

Order Code	Full Product Name	Colour
01577361	BY718X LED200/NW IAI NB IP65	Black and gray
01577461	BY718X LED200/NW IAI WB IP65	Black and gray
01577561	BY718X LED250/CW IAI NB IP65	Black and gray
01577661	BY718X LED250/CW IAI WB IP65	Black and gray
01577761	BY718X LED250/NW IAI NB IP65	Black and gray
01577861	BY718X LED250/NW IAI WB IP65	Black and gray
01577961	BY718X LED300/CW IAI NB IP65	Black and gray
01578061	BY718X LED300/CW IAI WB IP65	Black and gray
01578161	BY718X LED300/NW IAI NB IP65	Black and gray
01578261	BY718X LED300/NW IAI WB IP65	Black and gray
01580551	BY718P LED150/CW PSD NB	Black and gray
01580651	BY718P LED150/CW PSD WB	Black and gray
01580751	BY718P LED150/NW PSD NB	Black and gray
01580951	BY718P LED250/CW PSD NB	Black and gray
01581051	BY718P LED250/CW PSD WB	Black and gray
01581151	BY718P LED250/NW PSD NB	Black and gray
01581351	BY718P LED300/CW PSD NB	Black and gray
01581451	BY718P LED300/CW PSD WB	Black and gray

Order Code	Full Product Name	Driver failure rate at 5,000 hours
01569551	BY718P LED200/NW PSU WB	-
01576751	BY718P LED150/NW PSU WB	-
01571851	BY718P LED100/CW PSD NB	0.0021 %
01571951	BY718P LED100/CW PSD WB	0.0021 %
01572051	BY718P LED100/NW PSD NB	0.0021 %
01572151	BY718P LED100/NW PSD WB	0.0021 %
01572251	BY718P LED200/CW PSD NB	0.0021 %
01572351	BY718P LED200/CW PSD WB	0.0021 %
01572451	BY718P LED200/NW PSD NB	0.0021 %
01576361	BY718X LED100/CW IAI NB IP65	0.0021 %
01576461	BY718X LED100/CW IAI WB IP65	0.0021 %
01576561	BY718X LED100/NW IAI NB IP65	0.0021 %
01576661	BY718X LED100/NW IAI WB IP65	0.0021 %
01576761	BY718X LED150/CW IAI NB IP65	0.0021 %
01576861	BY718X LED150/CW IAI WB IP65	0.0021 %
01576961	BY718X LED150/NW IAI NB IP65	0.0021 %
01577061	BY718X LED150/NW IAI WB IP65	0.0021 %
01577161	BY718X LED200/CW IAI NB IP65	0.0021 %
01577261	BY718X LED200/CW IAI WB IP65	0.0021 %

Order Code	Full Product Name	Driver failure rate at 5,000 hours
01577361	BY718X LED200/NW IAI NB IP65	0.0021 %
01577461	BY718X LED200/NW IAI WB IP65	0.0021 %
01577561	BY718X LED250/CW IAI NB IP65	0.0042 %
01577661	BY718X LED250/CW IAI WB IP65	0.0042 %
01577761	BY718X LED250/NW IAI NB IP65	0.0042 %
01577861	BY718X LED250/NW IAI WB IP65	0.0042 %
01577961	BY718X LED300/CW IAI NB IP65	0.0042 %
01578061	BY718X LED300/CW IAI WB IP65	0.0042 %
01578161	BY718X LED300/NW IAI NB IP65	0.0042 %
01578261	BY718X LED300/NW IAI WB IP65	0.0042 %
01580551	BY718P LED150/CW PSD NB	0.0021 %
01580651	BY718P LED150/CW PSD WB	0.0021 %
01580751	BY718P LED150/NW PSD NB	0.0021 %
01580951	BY718P LED250/CW PSD NB	0.0042 %
01581051	BY718P LED250/CW PSD WB	0.0042 %
01581151	BY718P LED250/NW PSD NB	0.0042 %
01581351	BY718P LED300/CW PSD NB	0.0042 %
01581451	BY718P LED300/CW PSD WB	0.0042 %

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