



A superior light quality, highly efficient and reliable solution.

Coreline Highbay Gen4

Following the success of the previous-generation CoreLine High-bay, the upgrade to a new generation further improves performance with new innovation design and provides higher efficiency, longer lifetime (to further improve the total cost of ownership) and optional DALI dimming for even further savings. Designed as a replacement for HPI 250/400 W luminaires, CoreLine High-bay G4 offers customers all the benefits of LED lighting – fresh light quality, longer service lifetime, reduced energy consumption and less maintenance – from a trusted manufacturer. At the same time, it delivers clear benefits for the installer too. The luminaire can be installed on the existing grid; electrical connection is straightforward – there is no need to open the luminaire for installation or servicing; and being smaller and lighter than conventional luminaires, it is very easy to handle

Benefits

- Highly efficient, robust and reliable, with a long service lifetime
- Optional beam angles (NB/WB) to meet application requirements
- High-quality visibility and uniformity with limited glare

Features

- High efficiency of up to 140 lm/W
- Long service lifetime of 50 K hrs at L80
- A single-point mounting system for ease of installation
- Low glare rating and colour rendering of ≥ 80
- Suitable for replacement of 250 W/400 W conventional lamps

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Application

- General manufacturing
- Warehouses and logistical centres
- Exhibition halls and high ceiling lounges

Versions



Product details



CoreLine Highbay PSD single suspension point



CoreLine Highbay PSD BY120P top view

Coreline Highbay Gen4

Product details



CoreLine Highbay PSD BY121P top view

Application Conditions

Ambient temperature range	-30 to +45 °C
Suitable for random switching	Yes

Approval and Application

Mech. impact protection code	IK07
Ingress protection code	IP65

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)
Optical cover/lens type	PC
Driver included	Yes
ENEC mark	-
Flammability mark	D
Glow-wire test	650/30
Light source replaceable	No

Initial Performance (IEC Compliant)

Init. Colour Rendering Index	>80
Luminous flux tolerance	+/-10%

Mechanical and Housing

Colour	Gray
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Application Conditions

Order Code	Full Product Name	Maximum dim level
33571100	BY120P G4 LED100S/840 PSU NB	Not applicable
33570400	BY120P G4 LED100S/840 PSU WB	Not applicable
33567400	BY120P G4 LED100S/865 PSU NB	Not applicable
33566700	BY120P G4 LED100S/865 PSU WB	Not applicable
33569800	BY121P G4 LED200S/840 PSU NB	Not applicable
33568100	BY121P G4 LED200S/840 PSU WB	Not applicable
33565000	BY121P G4 LED200S/865 PSU NB	Not applicable
33564300	BY121P G4 LED200S/865 PSU WB	Not applicable
33664000	BY122P G4 LED250/840 PSU NB	Not applicable
33665700	BY122P G4 LED250S/840 PSU WB	Not applicable
33666400	BY122P G4 LED250S/865 PSU NB	Not applicable
33667100	BY122P G4 LED250S/865 PSU WB	Not applicable
33702900	BY120P G4 LED100S/840 PSD NB	1%
33703600	BY120P G4 LED100S/840 PSD WB	1%
33704300	BY120P G4 LED100S/865 PSD NB	1%
33705000	BY120P G4 LED100S/865 PSD WB	1%
33698500	BY121P G4 LED200S/840 PSD NB	1%
33699200	BY121P G4 LED200S/840 PSD WB	1%
33700500	BY121P G4 LED200S/865 PSD NB	1%
33701200	BY121P G4 LED200S/865 PSD WB	1%
33879800	BY122P G4 LED250/840 PSD NB	1%
33880400	BY122P G4 LED250/840 PSD WB	1%
33881100	BY122P G4 LED250/860 PSD NB	1%
33882800	BY122P G4 LED250/860 PSD WB	1%

Controls and Dimming

Order Code	Full Product Name	Dimmable	Order Code	Full Product Name	Dimmable
33571100	BY120P G4 LED100S/840 PSU NB	No	33664000	BY122P G4 LED250/840 PSU NB	No
33570400	BY120P G4 LED100S/840 PSU WB	No	33665700	BY122P G4 LED250S/840 PSU WB	No
33567400	BY120P G4 LED100S/865 PSU NB	No	33666400	BY122P G4 LED250S/865 PSU NB	No
33566700	BY120P G4 LED100S/865 PSU WB	No	33667100	BY122P G4 LED250S/865 PSU WB	Yes
33569800	BY121P G4 LED200S/840 PSU NB	No	33702900	BY120P G4 LED100S/840 PSD NB	Yes
33568100	BY121P G4 LED200S/840 PSU WB	No	33703600	BY120P G4 LED100S/840 PSD WB	Yes
33565000	BY121P G4 LED200S/865 PSU NB	No	33704300	BY120P G4 LED100S/865 PSD NB	Yes
33564300	BY121P G4 LED200S/865 PSU WB	No	33705000	BY120P G4 LED100S/865 PSD WB	Yes

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Order Code	Full Product Name	Dimmable
33698500	BY121P G4 LED200S/840 PSD NB	Yes
33699200	BY121P G4 LED200S/840 PSD WB	Yes
33700500	BY121P G4 LED200S/865 PSD NB	Yes
33701200	BY121P G4 LED200S/865 PSD WB	Yes

Order Code	Full Product Name	Dimmable
33879800	BY122P G4 LED250/840 PSD NB	Yes
33880400	BY122P G4 LED250/840 PSD WB	Yes
33881100	BY122P G4 LED250/860 PSD NB	Yes
33882800	BY122P G4 LED250/860 PSD WB	Yes

General Information

Order Code	Full Product Name	Beam angle of light source	Number of gear units	Optic type
33571100	BY120P G4 LED100S/840 PSU NB	55 °	1 unit	NB
33570400	BY120P G4 LED100S/840 PSU WB	90 x 90 °	1 unit	WB
33567400	BY120P G4 LED100S/865 PSU NB	55 °	1 unit	NB
33566700	BY120P G4 LED100S/865 PSU WB	90 x 90 °	1 unit	WB
33569800	BY121P G4 LED200S/840 PSU NB	55 °	1 unit	NB
33568100	BY121P G4 LED200S/840 PSU WB	90 x 90 °	1 unit	WB
33565000	BY121P G4 LED200S/865 PSU NB	55 °	1 unit	NB
33564300	BY121P G4 LED200S/865 PSU WB	90 x 90 °	1 unit	WB
33664000	BY122P G4 LED250/840 PSU NB	55 °	1 unit	NB
33665700	BY122P G4 LED250S/840 PSU WB	90 x 90 °	1 unit	WB
33666400	BY122P G4 LED250S/865 PSU NB	55 °	1 unit	NB
33667100	BY122P G4 LED250S/865 PSU WB	90 x 90 °	1 unit	WB

Order Code	Full Product Name	Beam angle of light source	Number of gear units	Optic type
33702900	BY120P G4 LED100S/840 PSD NB	55 °	1 unit	NB
33703600	BY120P G4 LED100S/840 PSD WB	90 x 90 °	1 unit	WB
33704300	BY120P G4 LED100S/865 PSD NB	55 °	1 unit	NB
33705000	BY120P G4 LED100S/865 PSD WB	90 x 90 °	1 unit	WB
33698500	BY121P G4 LED200S/840 PSD NB	55 °	1 unit	NB
33699200	BY121P G4 LED200S/840 PSD WB	90 x 90 °	1 unit	WB
33700500	BY121P G4 LED200S/865 PSD NB	55 °	1 unit	NB
33701200	BY121P G4 LED200S/865 PSD WB	90 x 90 °	1 unit	WB
33879800	BY122P G4 LED250/840 PSD NB	55 °	2 units	NB
33880400	BY122P G4 LED250/840 PSD WB	90 x 90 °	2 units	WB
33881100	BY122P G4 LED250/860 PSD NB	55 °	2 units	NB
33882800	BY122P G4 LED250/860 PSD WB	90 x 90 °	2 units	WB

Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
33571100	BY120P G4 LED100S/840 PSU NB	(0.38, 0.38)	4000 K	145 lm/W	10000 lm
33570400	BY120P G4 LED100S/840 PSU WB	(0.38, 0.38)	4000 K	145 lm/W	10000 lm
33567400	BY120P G4 LED100S/865 PSU NB	(0.307, 0.323)	6500 K	145 lm/W	10000 lm
33566700	BY120P G4 LED100S/865 PSU WB	(0.307, 0.323)	6500 K	145 lm/W	10000 lm

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
33569800	BY121P G4 LED200S/840 PSU NB	(0.38, 0.38)	4000 K	145 lm/W	20000 lm
33568100	BY121P G4 LED200S/840 PSU WB	(0.38, 0.38)	4000 K	145 lm/W	20000 lm
33565000	BY121P G4 LED200S/865 PSU NB	(0.307, 0.323)	6500 K	145 lm/W	20000 lm
33564300	BY121P G4 LED200S/865 PSU WB	(0.307, 0.323)	6500 K	145 lm/W	20000 lm

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Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
33664000	BY122P G4 LED250/840 PSU NB	(0.38, 0.38) SDCM <5	4000 K	145 lm/W	25000 lm
33665700	BY122P G4 LED250S/840 PSU WB	(0.307, 0.323) SDCM <5	4000 K	145 lm/W	25000 lm
33666400	BY122P G4 LED250S/865 PSU NB	(0.307, 0.323) SDCM <5	6500 K	145 lm/W	25000 lm
33667100	BY122P G4 LED250S/865 PSU WB	(0.307, 0.323) SDCM <5	6500 K	145 lm/W	25000 lm
33702900	BY120P G4 LED100S/840 PSD NB	(0.38, 0.38) SDCM <5	4000 K	137 lm/W	10000 lm
33703600	BY120P G4 LED100S/840 PSD WB	(0.38, 0.38) SDCM <5	4000 K	137 lm/W	10000 lm
33704300	BY120P G4 LED100S/865 PSD NB	(0.307, 0.323) SDCM <5	6500 K	137 lm/W	10000 lm
33705000	BY120P G4 LED100S/865 PSD WB	(0.307, 0.323) SDCM <5	6500 K	137 lm/W	10000 lm

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
33698500	BY121P G4 LED200S/840 PSD NB	(0.38, 0.38) SDCM <5	4000 K	137 lm/W	20000 lm
33699200	BY121P G4 LED200S/840 PSD WB	(0.38, 0.38) SDCM <5	4000 K	137 lm/W	20000 lm
33700500	BY121P G4 LED200S/865 PSD NB	(0.307, 0.323) SDCM <5	6500 K	137 lm/W	20000 lm
33701200	BY121P G4 LED200S/865 PSD WB	(0.307, 0.323) SDCM <5	6500 K	137 lm/W	20000 lm
33879800	BY122P G4 LED250/840 PSD NB	(0.38, 0.38) SDCM <5	4000 K	137 lm/W	25000 lm
33880400	BY122P G4 LED250/840 PSD WB	(0.307, 0.323) SDCM <5	4000 K	137 lm/W	25000 lm
33881100	BY122P G4 LED250/860 PSD NB	(0.307, 0.323) SDCM <5	6500 K	137 lm/W	25000 lm
33882800	BY122P G4 LED250/860 PSD WB	(0.307, 0.323) SDCM <5	6500 K	137 lm/W	25000 lm

Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power
33571100	BY120P G4 LED100S/840 PSU NB	69 W
33570400	BY120P G4 LED100S/840 PSU WB	69 W
33567400	BY120P G4 LED100S/865 PSU NB	69 W
33566700	BY120P G4 LED100S/865 PSU WB	69 W
33569800	BY121P G4 LED200S/840 PSU NB	138 W
33568100	BY121P G4 LED200S/840 PSU WB	138 W
33565000	BY121P G4 LED200S/865 PSU NB	138 W
33564300	BY121P G4 LED200S/865 PSU WB	138 W
33664000	BY122P G4 LED250/840 PSU NB	172 W
33665700	BY122P G4 LED250S/840 PSU WB	172 W
33666400	BY122P G4 LED250S/865 PSU NB	172 W
33667100	BY122P G4 LED250S/865 PSU WB	172 W

Order Code	Full Product Name	Initial input power
33702900	BY120P G4 LED100S/840 PSD NB	73 W
33703600	BY120P G4 LED100S/840 PSD WB	73 W
33704300	BY120P G4 LED100S/865 PSD NB	73 W
33705000	BY120P G4 LED100S/865 PSD WB	73 W
33698500	BY121P G4 LED200S/840 PSD NB	146 W
33699200	BY121P G4 LED200S/840 PSD WB	146 W
33700500	BY121P G4 LED200S/865 PSD NB	146 W
33701200	BY121P G4 LED200S/865 PSD WB	146 W
33879800	BY122P G4 LED250/840 PSD NB	183 W
33880400	BY122P G4 LED250/840 PSD WB	183 W
33881100	BY122P G4 LED250/860 PSD NB	183 W
33882800	BY122P G4 LED250/860 PSD WB	183 W

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