



# 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 145 lm/W
- Long service lifetime of 50K hrs at L80
- Single point mounting system for ease of installation
- Low glare rating and color rendering of  $\geq 80$
- Suitable for replacement of 250W/400W conventional lamps

# Coreline Highbay Gen4

## Application

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

## Versions



90°

CoreLine Highbay PSD BY120P



CoreLine Highbay PSD BY121P

## Product details



CoreLine Highbay Gen4 BY121P-SNHR200



CoreLine Highbay PSD single suspension point

# Coreline Highbay Gen4

## Product details

CoreLine Highbay PSD BY120P top view



CoreLine Highbay PSD BY121P top view



## Accessories

Bracket for CoreLine Highbay PSU

Ordercode 34186600



Bracket for CoreLine Highbay PSD

Ordercode 34187300



Application Conditions	
Suitable for random switching	Yes
Operating and Electrical	
Input Voltage	220 to 240 V
General Information	
CE mark	CE mark
Protection class IEC	Safety class I (I)
Driver included	Yes
ENEC mark	-
Glow-wire test	650/30
Light source replaceable	No
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Mechanical and Housing	
Color	Gray

## Application Conditions

Order Code	Full Product Name	Ambient temperature range	Maximum dim level
36084300	BY121P G4 LED200S/840 SRD WB SNHR200	-30 to +45 °C	10%
36390500	BY121P G4 LED200S/840 SRD NB SNHR200	-30 to +45 °C	10%
36561900	BY121P G4 LED200S/840 IAI WB IP65	0 to +40 °C	10%
36563300	BY121P G4 LED200S/840 IAI NB IP65	0 to +40 °C	10%
36573200	BY122P G4 LED250S/840 IAI WB IP65	0 to +40 °C	10%
33571100	BY120P G4 LED100S/840 PSU NB	-30 to +45 °C	Not applicable
33570400	BY120P G4 LED100S/840 PSU WB	-30 to +45 °C	Not applicable
33567400	BY120P G4 LED100S/865 PSU NB	-30 to +45 °C	Not applicable
33566700	BY120P G4 LED100S/865 PSU WB	-30 to +45 °C	Not applicable
33569800	BY121P G4 LED200S/840 PSU NB	-30 to +45 °C	Not applicable
33568100	BY121P G4 LED200S/840 PSU WB	-30 to +45 °C	Not applicable
33565000	BY121P G4 LED200S/865 PSU NB	-30 to +45 °C	Not applicable
33564300	BY121P G4 LED200S/865 PSU WB	-30 to +45 °C	Not applicable
33664000	BY122P G4 LED250S/840 PSU NB	-30 to +45 °C	Not applicable
33665700	BY122P G4 LED250S/840 PSU WB	-30 to +45 °C	Not applicable
33666400	BY122P G4 LED250S/865 PSU NB	-30 to +45 °C	Not applicable
33667100	BY122P G4 LED250S/865 PSU WB	-30 to +45 °C	Not applicable
33702900	BY120P G4 LED100S/840 PSD NB	-30 to +45 °C	1%
33703600	BY120P G4 LED100S/840 PSD WB	-30 to +45 °C	1%
33704300	BY120P G4 LED100S/865 PSD NB	-30 to +45 °C	1%
33705000	BY120P G4 LED100S/865 PSD WB	-30 to +45 °C	1%
33698500	BY121P G4 LED200S/840 PSD NB	-30 to +45 °C	1%
33699200	BY121P G4 LED200S/840 PSD WB	-30 to +45 °C	1%
33700500	BY121P G4 LED200S/865 PSD NB	-30 to +45 °C	1%
33701200	BY121P G4 LED200S/865 PSD WB	-30 to +45 °C	1%

# Coreline Highbay Gen4

Order Code	Full Product Name	Ambient temperature range	Maximum dim level
33879800	BY122P G4 LED250/840 PSD NB	-30 to +45 °C	1%
33880400	BY122P G4 LED250/840 PSD WB	-30 to +45 °C	1%
33881100	BY122P G4 LED250/860 PSD NB	-30 to +45 °C	1%
33882800	BY122P G4 LED250/860 PSD WB	-30 to +45 °C	1%

## Approval and Application

Order Code	Full Product Name	Mech. impact protection code	Ingress protection code
36084300	BY121P G4 LED200S/840 SRD WB SNHR200	IK05	IP20
36390500	BY121P G4 LED200S/840 SRD NB SNHR200	IK05	IP20
36561900	BY121P G4 LED200S/840 IAI WB IP65	IK05	IP65
36563300	BY121P G4 LED200S/840 IAI NB IP65	IK05	IP65
36573200	BY122P G4 LED250S/840 IAI WB IP65	IK05	IP65
33571100	BY120P G4 LED100S/840 PSU NB	IK07	IP65
33570400	BY120P G4 LED100S/840 PSU WB	IK07	IP65
33567400	BY120P G4 LED100S/865 PSU NB	IK07	IP65
33566700	BY120P G4 LED100S/865 PSU WB	IK07	IP65
33569800	BY121P G4 LED200S/840 PSU NB	IK07	IP65
33568100	BY121P G4 LED200S/840 PSU WB	IK07	IP65
33565000	BY121P G4 LED200S/865 PSU NB	IK07	IP65
33564300	BY121P G4 LED200S/865 PSU WB	IK07	IP65
33664000	BY122P G4 LED250/840 PSU NB	IK07	IP65

Order Code	Full Product Name	Mech. impact protection code	Ingress protection code
33665700	BY122P G4 LED250S/840 PSU WB	IK07	IP65
33666400	BY122P G4 LED250S/865 PSU NB	IK07	IP65
33667100	BY122P G4 LED250S/865 PSU WB	IK07	IP65
33702900	BY120P G4 LED100S/840 PSD NB	IK07	IP65
33703600	BY120P G4 LED100S/840 PSD WB	IK07	IP65
33704300	BY120P G4 LED100S/865 PSD NB	IK07	IP65
33705000	BY120P G4 LED100S/865 PSD WB	IK07	IP65
33698500	BY121P G4 LED200S/840 PSD NB	IK07	IP65
33699200	BY121P G4 LED200S/840 PSD WB	IK07	IP65
33700500	BY121P G4 LED200S/865 PSD NB	IK07	IP65
33701200	BY121P G4 LED200S/865 PSD WB	IK07	IP65
33879800	BY122P G4 LED250/840 PSD NB	IK07	IP65
33880400	BY122P G4 LED250/840 PSD WB	IK07	IP65
33881100	BY122P G4 LED250/860 PSD NB	IK07	IP65
33882800	BY122P G4 LED250/860 PSD WB	IK07	IP65

## Controls and Dimming

Order Code	Full Product Name	Dimmable
36084300	BY121P G4 LED200S/840 SRD WB SNHR200	Yes
36390500	BY121P G4 LED200S/840 SRD NB SNHR200	Yes
36561900	BY121P G4 LED200S/840 IAI WB IP65	Yes
36563300	BY121P G4 LED200S/840 IAI NB IP65	Yes
36573200	BY122P G4 LED250S/840 IAI WB IP65	Yes
33571100	BY120P G4 LED100S/840 PSU NB	No
33570400	BY120P G4 LED100S/840 PSU WB	No
33567400	BY120P G4 LED100S/865 PSU NB	No
33566700	BY120P G4 LED100S/865 PSU WB	No
33569800	BY121P G4 LED200S/840 PSU NB	No
33568100	BY121P G4 LED200S/840 PSU WB	No
33565000	BY121P G4 LED200S/865 PSU NB	No
33564300	BY121P G4 LED200S/865 PSU WB	No
33664000	BY122P G4 LED250/840 PSU NB	No
33665700	BY122P G4 LED250S/840 PSU WB	No

Order Code	Full Product Name	Dimmable
33666400	BY122P G4 LED250S/865 PSU NB	No
33667100	BY122P G4 LED250S/865 PSU WB	Yes
33702900	BY120P G4 LED100S/840 PSD NB	Yes
33703600	BY120P G4 LED100S/840 PSD WB	Yes
33704300	BY120P G4 LED100S/865 PSD NB	Yes
33705000	BY120P G4 LED100S/865 PSD WB	Yes
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
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 (1/2)

# Coreline Highbay Gen4

Order Code	Full Product Name	Beam angle of light source	Optical cover/ lens type	Flammability mark	Number of gear units
36084300	BY121P G4 LED200S/840 SRD WB SNHR200	-	Lens	NO	1 unit
36390500	BY121P G4 LED200S/840 SRD NB SNHR200	-	Lens	NO	1 unit
36561900	BY121P G4 LED200S/840 IAI WB IP65	-	-	NO	1 unit
36563300	BY121P G4 LED200S/840 IAI NB IP65	-	-	NO	1 unit
36573200	BY122P G4 LED250S/840 IAI WB IP65	-	-	NO	2 units
33571100	BY120P G4 LED100S/840 PSU NB	55 °	PC	D	1 unit
33570400	BY120P G4 LED100S/840 PSU WB	90 x 90 °	PC	D	1 unit
33567400	BY120P G4 LED100S/865 PSU NB	55 °	PC	D	1 unit
33566700	BY120P G4 LED100S/865 PSU WB	90 x 90 °	PC	D	1 unit
33569800	BY121P G4 LED200S/840 PSU NB	55 °	PC	D	1 unit
33568100	BY121P G4 LED200S/840 PSU WB	90 x 90 °	PC	D	1 unit
33565000	BY121P G4 LED200S/865 PSU NB	55 °	PC	D	1 unit
33564300	BY121P G4 LED200S/865 PSU WB	90 x 90 °	PC	D	1 unit
33664000	BY122P G4 LED250/840 PSU NB	55 °	PC	D	1 unit

Order Code	Full Product Name	Beam angle of light source	Optical cover/ lens type	Flammability mark	Number of gear units
33665700	BY122P G4 LED250S/840 PSU WB	90 x 90 °	PC	D	1 unit
33666400	BY122P G4 LED250S/865 PSU NB	55 °	PC	D	1 unit
33667100	BY122P G4 LED250S/865 PSU WB	90 x 90 °	PC	D	1 unit
33702900	BY120P G4 LED100S/840 PSD NB	55 °	PC	D	1 unit
33703600	BY120P G4 LED100S/840 PSD WB	90 x 90 °	PC	D	1 unit
33704300	BY120P G4 LED100S/865 PSD NB	55 °	PC	D	1 unit
33705000	BY120P G4 LED100S/865 PSD WB	90 x 90 °	PC	D	1 unit
33698500	BY121P G4 LED200S/840 PSD NB	55 °	PC	D	1 unit
33699200	BY121P G4 LED200S/840 PSD WB	90 x 90 °	PC	D	1 unit
33700500	BY121P G4 LED200S/865 PSD NB	55 °	PC	D	1 unit
33701200	BY121P G4 LED200S/865 PSD WB	90 x 90 °	PC	D	1 unit
33879800	BY122P G4 LED250/840 PSD NB	55 °	PC	D	2 units
33880400	BY122P G4 LED250/840 PSD WB	90 x 90 °	PC	D	2 units
33881100	BY122P G4 LED250/860 PSD NB	55 °	PC	D	2 units
33882800	BY122P G4 LED250/860 PSD WB	90 x 90 °	PC	D	2 units

## General Information (2/2)

Order Code	Full Product Name	Optic type	Service tag
36084300	BY121P G4 LED200S/840 SRD WB SNHR200	90	-
36390500	BY121P G4 LED200S/840 SRD NB SNHR200	Beam angle 55°	-
36561900	BY121P G4 LED200S/840 IAI WB IP65	90	-
36563300	BY121P G4 LED200S/840 IAI NB IP65	Beam angle 55°	-
36573200	BY122P G4 LED250S/840 IAI WB IP65	90	-
33571100	BY120P G4 LED100S/840 PSU NB	NB	-

Order Code	Full Product Name	Optic type	Service tag
33570400	BY120P G4 LED100S/840 PSU WB	WB	-
33567400	BY120P G4 LED100S/865 PSU NB	NB	-
33566700	BY120P G4 LED100S/865 PSU WB	WB	-
33569800	BY121P G4 LED200S/840 PSU NB	NB	Yes
33568100	BY121P G4 LED200S/840 PSU WB	WB	Yes
33565000	BY121P G4 LED200S/865 PSU NB	NB	Yes

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Order Code	Full Product Name	Optic type	Service tag
33564300	BY121P G4 LED200S/865 PSU WB	WB	Yes
33664000	BY122P G4 LED250/840 PSU NB	NB	Yes
33665700	BY122P G4 LED250S/840 PSU WB	WB	Yes
33666400	BY122P G4 LED250S/865 PSU NB	NB	Yes
33667100	BY122P G4 LED250S/865 PSU WB	WB	Yes
33702900	BY120P G4 LED100S/840 PSD NB	NB	-
33703600	BY120P G4 LED100S/840 PSD WB	WB	Yes
33704300	BY120P G4 LED100S/865 PSD NB	NB	Yes
33705000	BY120P G4 LED100S/865 PSD WB	WB	Yes

Order Code	Full Product Name	Optic type	Service tag
33698500	BY121P G4 LED200S/840 PSD NB	NB	-
33699200	BY121P G4 LED200S/840 PSD WB	WB	Yes
33700500	BY121P G4 LED200S/865 PSD NB	NB	Yes
33701200	BY121P G4 LED200S/865 PSD WB	WB	Yes
33879800	BY122P G4 LED250/840 PSD NB	NB	Yes
33880400	BY122P G4 LED250/840 PSD WB	WB	Yes
33881100	BY122P G4 LED250/860 PSD NB	NB	Yes
33882800	BY122P G4 LED250/860 PSD WB	WB	Yes

## Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product Name	Initial chromaticity	Init. Corr.	Init. Color	Initial LED
			Color	Rendering Index	luminaire efficacy
36084300	BY121P G4 LED200S/840 SRD WB SNHR200	(0.381,0.378)SDCM<=5	4000 K	≥80	137 lm/W
36390500	BY121P G4 LED200S/840 SRD NB SNHR200	(0.381,0.378)SDCM<=5	4000 K	≥80	137 lm/W
36561900	BY121P G4 LED200S/840 IAI WB IP65	(0.381,0.378)SDCM<=5	4000 K	>80	135 lm/W
36563300	BY121P G4 LED200S/840 IAI NB IP65	(0.381,0.378)SDCM<=5	4000 K	>80	135 lm/W
36573200	BY122P G4 LED250S/840 IAI WB IP65	(0.381,0.378)SDCM<=5	4000 K	>80	135 lm/W
33571100	BY120P G4 LED100S/840 PSU NB	(0.38, 0.38) SDCM <5	4000 K	>80	145 lm/W
33570400	BY120P G4 LED100S/840 PSU WB	(0.38, 0.38) SDCM <5	4000 K	>80	145 lm/W
33567400	BY120P G4 LED100S/865 PSU NB	(0.307, 0.323) SDCM <5	6500 K	>80	145 lm/W
33566700	BY120P G4 LED100S/865 PSU WB	(0.307, 0.323) SDCM <5	6500 K	>80	145 lm/W
33569800	BY121P G4 LED200S/840 PSU NB	(0.38, 0.38) SDCM <5	4000 K	>80	145 lm/W

Order Code	Full Product Name	Initial chromaticity	Init. Corr.	Init. Color	Initial LED
			Color	Rendering Index	luminaire efficacy
33568100	BY121P G4 LED200S/840 PSU WB	(0.38, 0.38) SDCM <5	4000 K	>80	145 lm/W
33565000	BY121P G4 LED200S/865 PSU NB	(0.307, 0.323) SDCM <5	6500 K	>80	145 lm/W
33564300	BY121P G4 LED200S/865 PSU WB	(0.307, 0.323) SDCM <5	6500 K	>80	145 lm/W
33664000	BY122P G4 LED250/840 PSU NB	(0.38, 0.38) SDCM <5	4000 K	>80	145 lm/W
33665700	BY122P G4 LED250S/840 PSU WB	(0.307, 0.323) SDCM <5	4000 K	>80	145 lm/W
33666400	BY122P G4 LED250S/865 PSU NB	(0.307, 0.323) SDCM <5	6500 K	>80	145 lm/W
33667100	BY122P G4 LED250S/865 PSU WB	(0.307, 0.323) SDCM <5	6500 K	>80	145 lm/W
33702900	BY120P G4 LED100S/840 PSD NB	(0.38, 0.38) SDCM <5	4000 K	>80	137 lm/W
33703600	BY120P G4 LED100S/840 PSD WB	(0.38, 0.38) SDCM <5	4000 K	>80	137 lm/W
33704300	BY120P G4 LED100S/865 PSD NB	(0.307, 0.323) SDCM <5	6500 K	>80	137 lm/W
33705000	BY120P G4 LED100S/865 PSD WB	(0.307, 0.323) SDCM <5	6500 K	>80	137 lm/W
33698500	BY121P G4 LED200S/840 PSD NB	(0.38, 0.38) SDCM <5	4000 K	>80	137 lm/W

# Coreline Highbay Gen4

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial LED luminaire efficacy
33699200	BY121P G4 LED200S/840 PSD WB	(0.38, 0.38) SDCM <5	4000 K	>80	137 lm/W
33700500	BY121P G4 LED200S/865 PSD NB	(0.307, 0.323) SDCM <5	6500 K	>80	137 lm/W
33701200	BY121P G4 LED200S/865 PSD WB	(0.307, 0.323) SDCM <5	6500 K	>80	137 lm/W
33879800	BY122P G4 LED250/840 PSD NB	(0.38, 0.38) SDCM <5	4000 K	>80	137 lm/W

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial LED luminaire efficacy
33880400	BY122P G4 LED250/840 PSD WB	(0.307, 0.323) SDCM <5	4000 K	>80	137 lm/W
33881100	BY122P G4 LED250/860 PSD NB	(0.307, 0.323) SDCM <5	6500 K	>80	137 lm/W
33882800	BY122P G4 LED250/860 PSD WB	(0.307, 0.323) SDCM <5	6500 K	>80	137 lm/W

## Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial luminous flux	Initial input power
36084300	BY121P G4 LED200S/840 SRD WB SNHR200	20000 lm	145 W
36390500	BY121P G4 LED200S/840 SRD NB SNHR200	20000 lm	145 W
36561900	BY121P G4 LED200S/840 IAI WB IP65	20000 lm	145 W
36563300	BY121P G4 LED200S/840 IAI NB IP65	20000 lm	145 W
36573200	BY122P G4 LED250S/840 IAI WB IP65	25000 lm	183 W
33571100	BY120P G4 LED100S/840 PSU NB	10000 lm	69 W
33570400	BY120P G4 LED100S/840 PSU WB	10000 lm	69 W
33567400	BY120P G4 LED100S/865 PSU NB	10000 lm	69 W
33566700	BY120P G4 LED100S/865 PSU WB	10000 lm	69 W
33569800	BY121P G4 LED200S/840 PSU NB	20000 lm	138 W
33568100	BY121P G4 LED200S/840 PSU WB	20000 lm	138 W
33565000	BY121P G4 LED200S/865 PSU NB	20000 lm	138 W
33564300	BY121P G4 LED200S/865 PSU WB	20000 lm	138 W
33664000	BY122P G4 LED250/840 PSU NB	25000 lm	172 W

Order Code	Full Product Name	Initial luminous flux	Initial input power
33665700	BY122P G4 LED250S/840 PSU WB	25000 lm	172 W
33666400	BY122P G4 LED250S/865 PSU NB	25000 lm	172 W
33667100	BY122P G4 LED250S/865 PSU WB	25000 lm	172 W
33702900	BY120P G4 LED100S/840 PSD NB	10000 lm	73 W
33703600	BY120P G4 LED100S/840 PSD WB	10000 lm	73 W
33704300	BY120P G4 LED100S/865 PSD NB	10000 lm	73 W
33705000	BY120P G4 LED100S/865 PSD WB	10000 lm	73 W
33698500	BY121P G4 LED200S/840 PSD NB	20000 lm	146 W
33699200	BY121P G4 LED200S/840 PSD WB	20000 lm	146 W
33700500	BY121P G4 LED200S/865 PSD NB	20000 lm	146 W
33701200	BY121P G4 LED200S/865 PSD WB	20000 lm	146 W
33879800	BY122P G4 LED250/840 PSD NB	25000 lm	183 W
33880400	BY122P G4 LED250/840 PSD WB	25000 lm	183 W
33881100	BY122P G4 LED250/860 PSD NB	25000 lm	183 W
33882800	BY122P G4 LED250/860 PSD WB	25000 lm	183 W

Order Code	Full Product Name	Driver failure rate at 5000 h
36084300	BY121P G4 LED200S/840 SRD WB SNHR200	-
36390500	BY121P G4 LED200S/840 SRD NB SNHR200	-
36561900	BY121P G4 LED200S/840 IAI WB IP65	-
36563300	BY121P G4 LED200S/840 IAI NB IP65	-
36573200	BY122P G4 LED250S/840 IAI WB IP65	-
33571100	BY120P G4 LED100S/840 PSU NB	0.3 %
33570400	BY120P G4 LED100S/840 PSU WB	0.3 %
33567400	BY120P G4 LED100S/865 PSU NB	0.3 %
33566700	BY120P G4 LED100S/865 PSU WB	0.3 %
33569800	BY121P G4 LED200S/840 PSU NB	0.3 %
33568100	BY121P G4 LED200S/840 PSU WB	0.3 %

Order Code	Full Product Name	Driver failure rate at 5000 h
33565000	BY121P G4 LED200S/865 PSU NB	0.3 %
33564300	BY121P G4 LED200S/865 PSU WB	0.3 %
33664000	BY122P G4 LED250/840 PSU NB	0.3 %
33665700	BY122P G4 LED250S/840 PSU WB	0.3 %
33666400	BY122P G4 LED250S/865 PSU NB	0.3 %
33667100	BY122P G4 LED250S/865 PSU WB	0.3 %
33702900	BY120P G4 LED100S/840 PSD NB	0.3 %
33703600	BY120P G4 LED100S/840 PSD WB	0.3 %
33704300	BY120P G4 LED100S/865 PSD NB	0.3 %
33705000	BY120P G4 LED100S/865 PSD WB	0.3 %
33698500	BY121P G4 LED200S/840 PSD NB	0.3 %

## Coreline Highbay Gen4

Order Code	Full Product Name	Driver failure rate at 5000 h
33699200	BY121P G4 LED200S/840 PSD WB	0.3 %
33700500	BY121P G4 LED200S/865 PSD NB	0.3 %
33701200	BY121P G4 LED200S/865 PSD WB	0.3 %
33879800	BY122P G4 LED250/840 PSD NB	0.3 %

Order Code	Full Product Name	Driver failure rate at 5000 h
33880400	BY122P G4 LED250/840 PSD WB	0.3 %
33881100	BY122P G4 LED250/860 PSD NB	0.3 %
33882800	BY122P G4 LED250/860 PSD WB	0.3 %

