THE LATEST FOR INDUSTRY

LEDVANCE LED LUMINAIRE HIGHLIGHTS

MARCH 2022

LEDVANCE.COM

LEDVANCE

LEDVANCE: ADVANCING LIGHT

BAD LIGHT, FEELING UNSAFE?
BETTER SWITCH TO LEDVANCE LUMINAIRES.

With over 100 years of experience in general lighting, LEDVANCE combines traditional lighting technology with pioneering lighting innovations for almost any application. In addition to this unique know-how, we particularly rely on long-term customer relationships and a strong global sales network.

As technology trend experts, we are leading the way in meeting the rapidly changing demands for high-quality and long-lasting light. And as a strong local partner, we are always reliably at your side in over 140 countries.

Whether it's luminaires, lamps, our LED Strip System or state-of-the-art light management solutions, our teams of specialists are focused on the specific needs of our customers. We are making a decisive contribution to increasing your competitiveness with technical innovations and easy-to-use, intelligent lighting solutions compliant with EU regulations.

Our extensive range of products for industrial applications meets these requirements more than ever before. Long lifetimes and guarantees ensure high cost-effectiveness, as does the even greater efficiency of individual products. But above all, new sensor versions of the well-known HIGH BAY and DAMP PROOF luminaires and a new luminaire family for high ceilings of up to 10 meters are welcome additions to the portfolio. They will help you offer even more demand-based and intelligent lighting solutions.

We always focus on the benefit for you as a lighting professional. That's why we do everything we can to make our products and systems particularly easy to plan, install and combine.

Based on these principles, we will continue to develop sophisticated products and provide you with optimum support in your personal fight against bad light.

CONTENTS

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**YOU ASK THE QUESTIONS –
WE HAVE THE ANSWERS**

Would you like more information on industry lighting or have questions about specific light sources? The experts in our technical team are happy to advise you. You can reach our team by email at **technik@ledvance.com** or by phone on **+49 89 780673-680.**

Look for the following to help navigate this brochure and learn more:

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All the following values for the IP and IK protection classes apply exclusively to luminaires (excluding accessories).

NEW HIGHLIGHTS FOR YOUR
LEDVANCE LIGHTING SOLUTION

LEDVANCE now has an extended range for industrial applications, offering you even more lighting solutions to meet the specific requirements of your customers. From now on, you can design sophisticated industrial area and hall lighting even more demand-based and economical using intelligent sensor versions.

All in all, an impressive combination of excellent workmanship and quality of light, easy installation and operation, high efficiency and a long life.

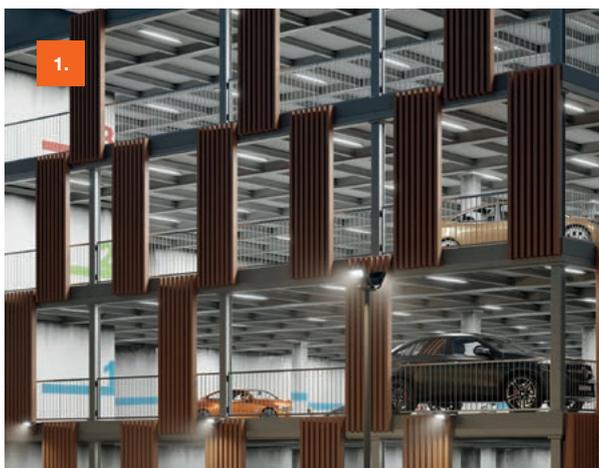## 1. DAMP PROOF SENSOR
INTELLIGENT ALLROUNDER

With the new DAMP PROOF SENSOR, you can use simple 5-way wiring to establish a network of intelligent damp-proof luminaires based on the leader-follower or leader-leader principle.

Another advantage is the adjustable sensor which can be configured quickly and easily using toggle switches.

IDENTIFYING AND MEETING NEEDS

The lighting in industrial applications should have special properties. The quality of light is crucial not only for good production results but also for health and safety at work. What's more, clever and efficient switching in combination with good luminous efficacy significantly reduces operating costs. Economy and quick payback of the investment are important arguments – and the basis for LEDVANCE product developments.

DAMP PROOF SENSOR

DAMP PROOF SENSOR luminaires provide reliable general lighting in areas that are up to 4 meters high – well protected from dust and moisture. Their configurable sensor makes them ideal for use in entrances, car parks, corridors and industrial facilities where light needs to suit specific situations.

SUCCESS
S FOR INDUSTRIAL PROJECTS

2. LOW BAY FLEX
INSTALLATION MADE EASY

The new LOW BAY FLEX is very powerful with up to 160 lm/W and very versatile with 3 different beam angles. But above all, it has 4 mounting options, end caps and connections that are accessible without tools, and complete through-wiring for ON/OFF and DALI versions.

3. HIGH BAY GEN 4 SENSOR
HIGHLY INTELLIGENT

The new HIGH BAY GEN 4 SENSOR significantly reduces operating costs in high-ceiling spaces thanks to increased luminaire efficiency and a configurable sensor. The integrated corridor function provides light on demand without the need for any additional devices. And with the optional remote control[1] you can customize lighting levels and timings even further and quickly transfer them to all the installed HIGH BAY luminaires – ideal for large applications.

[1] Available to order separately

YOUR BENEFITS AT A GLANCE

Global network

Extensive portfolio from a single source

Outstanding services

FULL SERVICE FOR YOUR PROJECT SUCCESS

In addition to first-class products and competent customer service (contact@ledvance.com), we support you in numerous other ways throughout your lighting projects. Go to **ledvance.com** and discover valuable service concepts such as the Fast Light Calculation Tool, our eLearning modules or the DIALux/RELUX light planning software.

LOW BAY FLEX

The extremely easy-to-install and versatile LOW BAY FLEX LED luminaires are in their element in warehouses, logistics centers and industrial facilities with ceiling heights between 4 and 10 meters.

Coming soon: Ball-proof versions for use in indoor sporting facilities or applications where increased physical robustness is required.

3.

HIGH BAY GEN 4 SENSOR

HIGH BAY GEN 4 SENSOR luminaires deliver high luminous intensity and efficiency in warehouses and factories with a ceiling height of up to approximately 12 meters. Thanks to low-flicker light they provide maximum health and safety at work. Their intelligent sensors increase economy wherever 24-hour lighting is mandatory but not continually needed.
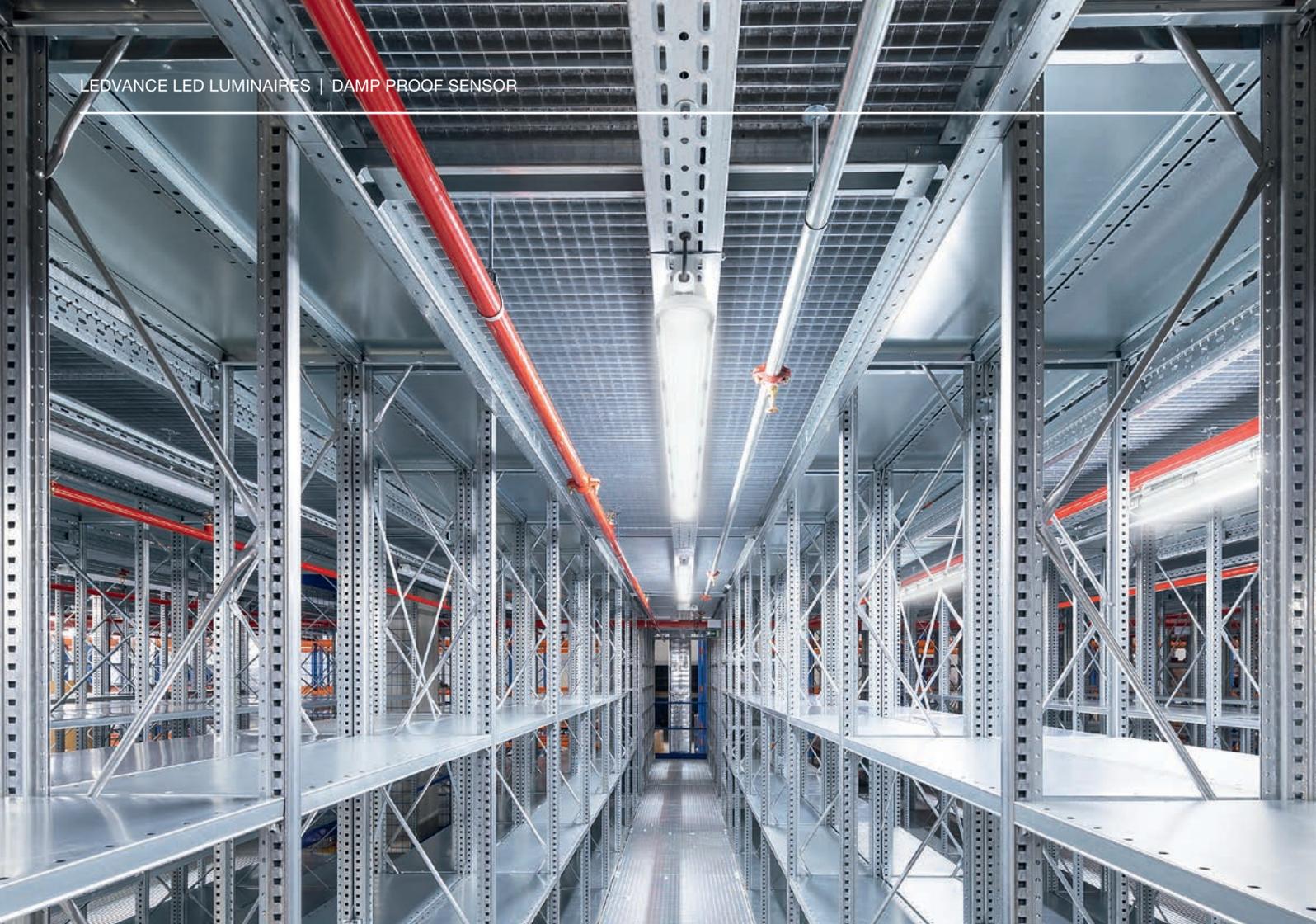
DAMP PROOF SENSOR
LIGHT WHEN IT'S NEEDED

FEATURES AT A GLANCE:

— Including configurable motion
  and daylight sensor
— Efficiency up to 139 lm/W
— Luminous flux up to 8 000 lm
— Life up to 50 000 hours[1]
— Flicker < 10 %
— IP65 protection

[1] t [h]: L80/B10 @ 25 °C (T_a)

Are you looking for an easy-to-install solution to intelligently modernise the lighting of an industrial facility?

With the new DAMP PROOF SENSOR luminaire you can easily set up a network based on the leader-follower or leader-leader principle.

What's more, the sensor's detection area, hold time and daylight threshold can be conveniently adjusted using toggle switches. This means that in no time at all you can adapt the lighting to individual needs on site, increase the facility's economy enormously and provide light when it is really needed.

SENSOR CONFIGURATION

SWITCHES 1 AND 2: DETECTION AREA

The RF signal penetrates walls so movements outside the room could also activate the lighting if the detection area is too big. It is therefore important to configure the luminaire correctly for economic operation.

SWITCHES 3 AND 4: HOLD TIME

The hold time is the time that the light stays on 100 % after moving objects have left the detection area.

SWITCHES 5 AND 6: DAYLIGHT THRESHOLD

When the daylight function is activated the sensor is only triggered by movement if the ambient brightness is lower than the set lux value. When the daylight function is deactivated the sensor always reacts when movement is recognised.

OFF

ON

On

| 1 | 2 | 3 | 4 | 5 | 6 |

DETECTION AREA
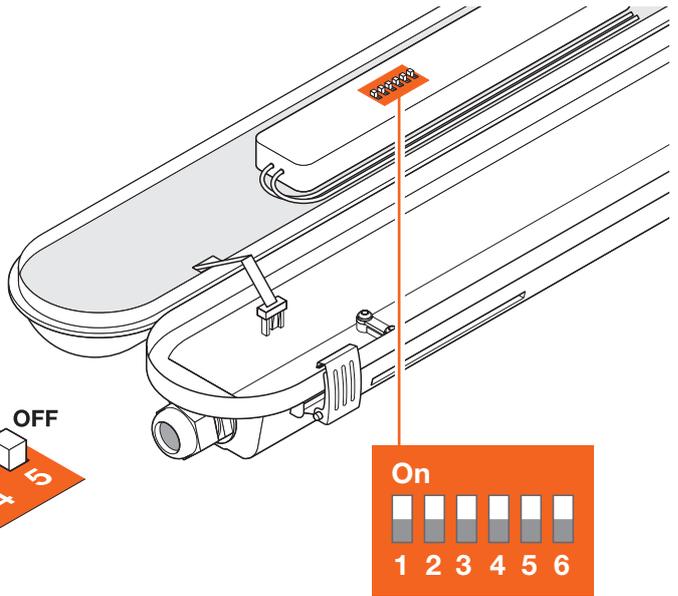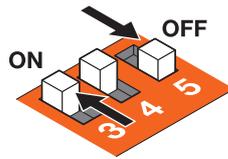
HOLD TIME

DAYLIGHT THRESHOLD
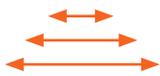
1	2	
ON	ON	100 %
–	ON	75 %
ON	–	50 %
–	–	10 %

3	4	
ON	ON	5 s
–	ON	90 s
ON	–	5 min
–	–	15 min

5	6	
ON	ON	Disable
–	ON	50 lux
ON	–	10 lux
–	–	2 lux

10 % 50 % 75 % 100 %
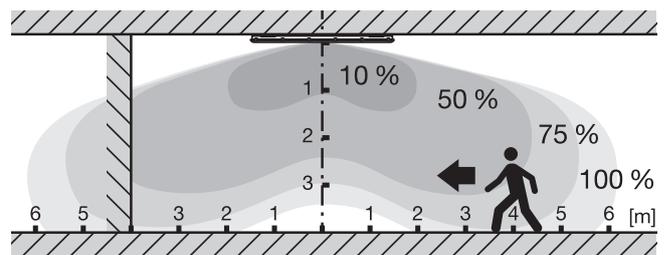
INTELLIGENT CONNECTION OPTIONS FOR LARGE FACILITIES

LEADER-FOLLOWER PRINCIPLE

A DAMP PROOF SENSOR (leader) is linked with several DAMP PROOF luminaires without sensors (followers). The sensor of the leader luminaire then activates all the luminaires connected to L'. A maximum of 400 watts can be activated per DAMP PROOF SENSOR. So the number of luminaires that can be linked with each other in the leader-follower arrangement therefore depends on their output.

LEADER-LEADER PRINCIPLE

Up to 6 DAMP PROOF SENSOR luminaires can be connected with each other via the communication line (COM) of the luminaires. It is then enough for one of the sensors to receive a motion signal to activate all the luminaires. At the same time, each of the linked DAMP PROOF SENSOR luminaires can control a leader-follower network.

LEADER-FOLLOWER AND LEADER-LEADER FUNCTIONALITY
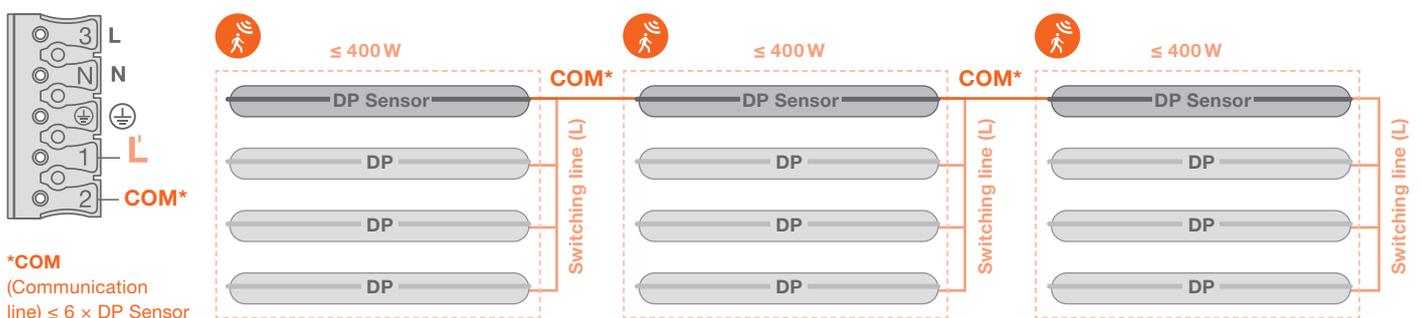
3 L
N
⏚
1 L'
2 COM*

*COM
(Communication line) ≤ 6 × DP Sensor

≤ 400 W   COM*   ≤ 400 W   COM*   ≤ 400 W

DP Sensor	DP Sensor	DP Sensor
DP	DP	DP
DP	DP	DP
DP	DP	DP

Switching line (L)   Switching line (L)   Switching line (L)

DAMP PROOF SENSOR

Damp-proof luminaires, classic shape with high frequency sensor

PERFOR-
MANCE
CLASS

IP 65

LEDVANCE
5 year
guarantee

PRODUCT FEATURES

— High frequency sensor for daylight and motion detection
— Sensor with leader-follower and leader-leader functionality
— High luminous efficacy: up to 139 lm/W
— Beam angle: 110 °

PRODUCT BENEFITS

— Installation of multiple sensor switched luminaires possible due to leader-follower and leader-leader functionality
— Multiple adjustments of sensor range, daylight detection and hold time
— Low flicker ≤ 10 %
— Easy installation, no tools required for connection
— 5 years guarantee[1]

AREAS OF APPLICATION

— Industrial and storage facilities
— Car parks and underpasses
— Garages
— Workshops, assembly lines

EQUIPMENT / ACCESSORIES

— Accessories for several mounting options available*
— Mounting brackets, antitheft protection, triangle, 2nd cable gland and 2 grommets included

FURTHER PRODUCT DETAILS
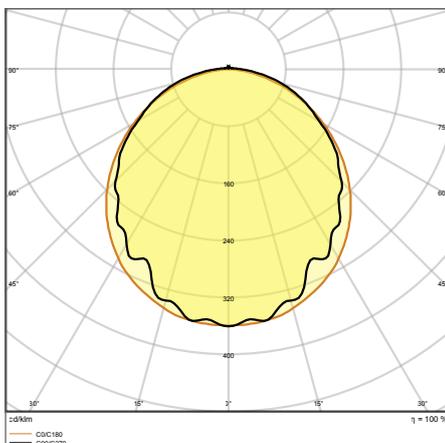
DP S 1200 32W 840 IP65 GY

*Please note: available = available as an optional accessory. See accessories on page 10.
[1]Refer to www.ledvance.com/guarantee for precise conditions.

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

DAMP PROOF SENSOR

Damp-proof luminaires, classic shape with high frequency sensor

Product name	Segmentation	GTIN (EAN)	RE-PLACE. FOR	W	lm	lm/W	K	L70 [1]	L80 [1]
NEW DP S 1200 32W 840 IP65 GY	■	4058075**541962**	2 × 36W FL	32	4 400	138	4 000	70 000	50 000
NEW DP S 1500 46W 840 IP65 GY	■	4058075**541986**	2 × 58W FL	46	6 400	139	4 000	70 000	50 000
NEW DP S 1500 58W 840 IP65 GY	■	4058075**542006**	2 × 70W FL	58	8 000	138	4 000	70 000	50 000

Product name	⌟°	CRI	FLICKER VALUE	IP	IK	g	L × W × H [mm] Ø × H [mm]
NEW DP S 1200 32W 840 IP65 GY	110	>80	<10 %	IP65	IK08	1 501	1 200 × 82 × 68
NEW DP S 1500 46W 840 IP65 GY	110	>80	<10 %	IP65	IK08	1 812	1 500 × 82 × 68
NEW DP S 1500 58W 840 IP65 GY	110	>80	<10 %	IP65	IK08	1 838	1 500 × 82 × 68

SENSOR PROPERTIES

Product name	Type of sensor	Sensor technology	Detection threshold of daylight sensor	Detection range of motion sensor	Sensor detection angle	Sensor controlled switching time
DP S 1200 32W 840 IP65 GY	Motion/Light	Microwave	2…50 lx	6…14 m	< 150°	5 s…15 min
DP S 1500 46W 840 IP65 GY	Motion/Light	Microwave	2…50 lx	6…14 m	< 150°	5 s…15 min
DP S 1500 58W 840 IP65 GY	Motion/Light	Microwave	2…50 lx	6…14 m	< 150°	5 s…15 min

[1] t [h]: L70/B50 @ 25°C (T$_a$) / t [h]: L80/B10 @ 25°C (T$_a$) ■ SUPERIOR CLASS ■ PERFORMANCE CLASS ■ VALUE CLASS

DAMP PROOF ACCESSORIES

Through-wiring kits for DP GEN 4

— Through-wiring kits with tool-free
   connectors
— Easy installation and tool-free electrical
   connection
— 5 × 2.5 mm² cables with tool-free
   connector incl. EMI filter and cable
   gland inserts for 10 – 14 mm cables

LEDVANCE
5 year
guarantee [1]

Product name	GTIN (EAN)		L × W × H [mm] Ø × H [mm]	MATERIAL	
NEW DP 1200 TH-KIT 5X2.5	4058075**695030**	220	1 045 × 50	Polycarbonate (PC)	1
NEW DP 1500 TH-KIT 5X2.5	4058075**695054**	245	1 200 × 50	Polycarbonate (PC)	1

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LOW BAY FLEX
# A MULTI-TALENTED SOLUTION FOR CEILINGS UP TO 10 METERS HIGH

The new LOW BAY FLEX luminaires are designed for warehouses and logistics centers as well as production lines with ceiling heights between 4 and 10 meters. This easy-to-install solution offers high efficiency of up to 160 lm/W and a life of up to 100 000 hours.[1]

It covers many different applications thanks to various mounting options and 3 beam angles. Tool-free open/close end caps, pre-mounted clamps for strain relief and complete through-wiring make installation effortless for larger installations.

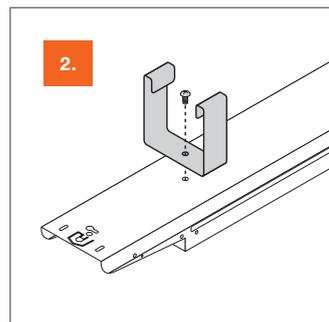## INSTALLATION MADE EASY
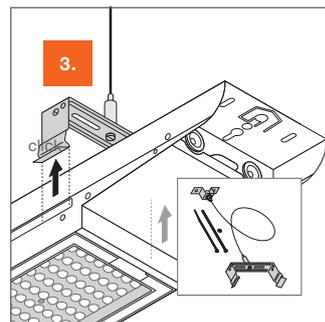
Whatever the local conditions, the various mounting options for LOW BAY FLEX mean you can always find a simple and professional solution.
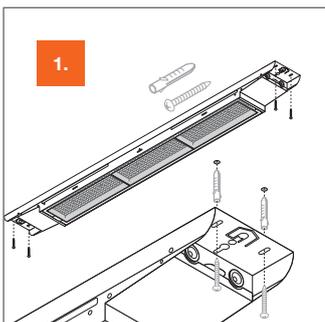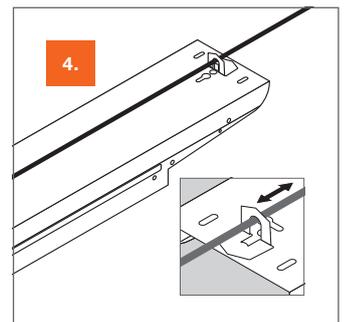
| 1.	2.	3.	4.
Direct ceiling mount	With brackets*	Hanging cable suspension via separately available-to-order suspension kit	Through-cable suspension

* not included
[1] t [h]: L70/B50 @ 25 °C (T$_a$)
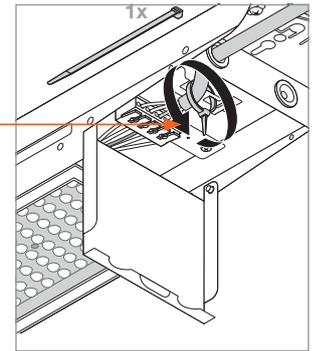
CONVENIENT AND TIME-SAVING: WIRING

The end caps can be opened and the electrical wiring can
be connected without any tools. And the pre-mounted clamp for
strain relief makes installation even easier.
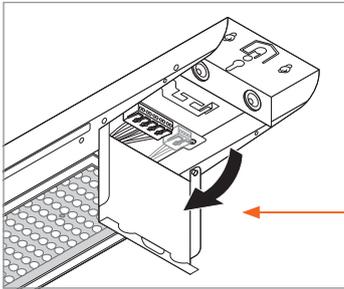
Tool-free open/close end caps giving
access to electrical connectors

Tool-free
electrical
connectors

Pre-mounted clamp for power
cable strain relief via simple
cable clip (not included)

COMPLETE THROUGH-WIRING POSSIBLE

LOW BAY FLEX luminaires
are well equipped for
complete through-wiring –
in both ON/OFF and DALI
operation.

1 ×
LOW BAY FLEX /
LOW BAY FLEX DALI

2 ×
LOW BAY FLEX /
LOW BAY FLEX DALI

3 ×
LOW BAY FLEX /
LOW BAY FLEX DALI

n ×
LOW BAY FLEX /
LOW BAY FLEX DALI
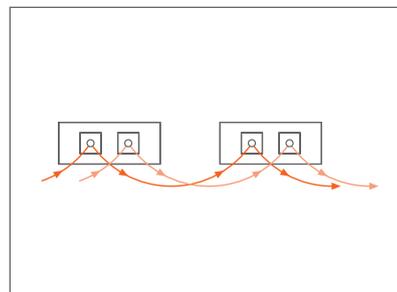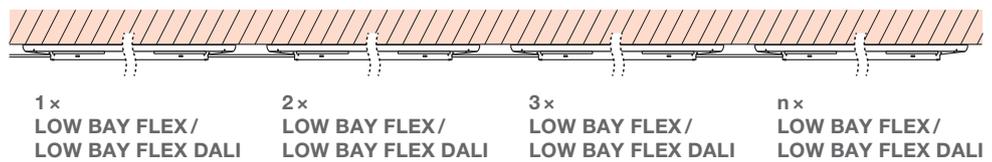
	B16	C10	C16
LOW BAY FLEX 1200 P 42 W	18	14	23
LOW BAY FLEX 1200 DALI P 42 W	9	8	12
LOW BAY FLEX 1200 P 73 W	17	13	22
LOW BAY FLEX 1200 DALI P 73 W	27	23	36
LOW BAY FLEX 1500 P 105 W	21	16	27
LOW BAY FLEX 1500 DALI P 105 W	27	17	28

THREE BEAM ANGLES FOR EVERY NEED

For narrow warehouse aisles, open packaging areas and everything in between, the LOW BAY FLEX covers
many different application needs with its three narrow (N), wide (W) and very wide (VW) beam angles.
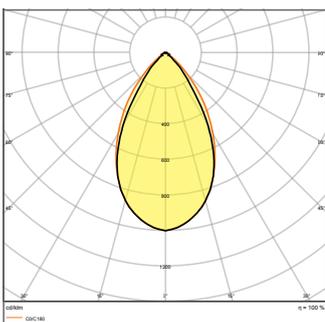
N = Narrow (60°)
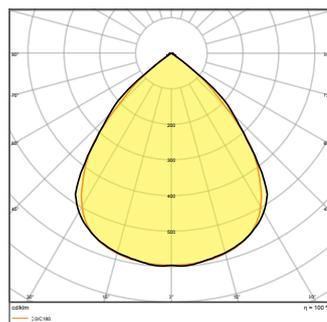
W = Wide (90°)
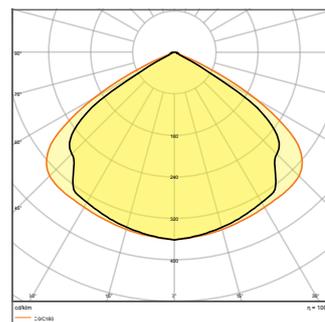
VW = Very wide (120°)

Coming soon:

Ball-proof versions for use in indoor sporting facilities or applications where increased physical robustness is required.

LOW BAY FLEX

Low-bay luminaires with attractive linear design, up to 160 lm/W

PERFOR-MANCE CLASS

DALI VERSIONS

IP 23

LEDVANCE 5 year guarantee[1]

PRODUCT FEATURES

— Different luminous flux and beam angle for mounting heights of ~4 m to ~10 m in 4 000 K
— Through-wiring cable already installed
— Long lifetime (L80/B10): up to 100 000 h
— High color consistency: ≤ 3 SDCM

PRODUCT BENEFITS

— Economical thanks to high luminous efficacy up to 160 lm/W
— Easy and quick installation thanks to toolless connector box with 5- and 7-pole terminals
— Modern and robust design
— 5 years guarantee[1]

AREAS OF APPLICATION

— Replacement for luminaires with mercury vapor or metal halide lamps
— Warehouses
— Logistics halls
— Industrial and storage facilities
— Discounters, supermarkets

EQUIPMENT / ACCESSORIES

— Suspension kit available as separate accessory*

FURTHER PRODUCT DETAILS
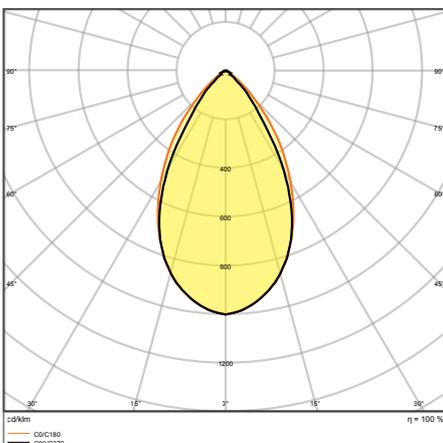
LB FLEX 1500 P 105W 840 N
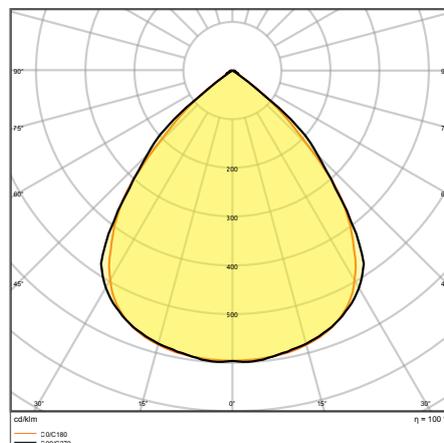
LB FLEX 1500 P 105W 840 W
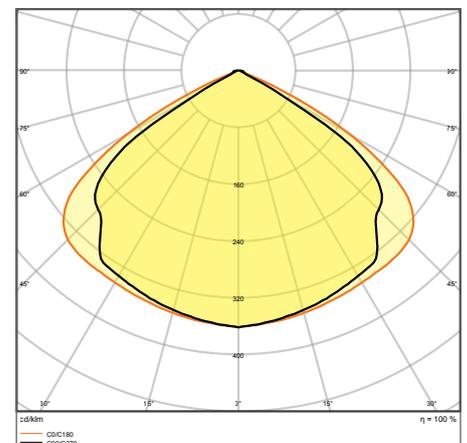
LB FLEX 1500 P 105W 840 VW

*Please note: available = available as an optional accessory. See accessories on page 16.
[1] Refer to www.ledvance.com/guarantee for precise conditions

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LOW BAY FLEX

Low-bay luminaires with attractive linear design, up to 160 lm/W

|	Product name	Segmentation	GTIN (EAN)	RE-PLACE. FOR	W	lm	lm/W	K	L70[1]	L80[1]
NEW	LB FLEX 1200 P 42W 840 W	■	4058075**676060**	2 × 58W FL	42	6 510	155	4 000	100 000	100 000
NEW	LB FLEX 1200 P 42W 840 VW	■	4058075**676084**	2 × 58W FL	42	6 510	155	4 000	100 000	100 000
NEW	LB FLEX 1200 P 73W 840 W	■	4058075**676107**	4 × 58W FL	73	11 315	155	4 000	100 000	100 000
NEW	LB FLEX 1200 P 73W 840 VW	■	4058075**676121**	4 × 58W FL	73	11 315	155	4 000	100 000	100 000
NEW	LB FLEX 1500 P 105W 840 N	■	4058075**676244**	4 × 80W FL	105	16 800	160	4 000	100 000	100 000
NEW	LB FLEX 1500 P 105W 840 W	■	4058075**676268**	4 × 80W FL	105	16 800	160	4 000	100 000	100 000
NEW	LB FLEX 1500 P 105W 840 VW	■	4058075**676282**	4 × 80W FL	105	16 800	160	4 000	100 000	100 000
NEW	LB FLEX 1200 DALI P 42W 840 W	■	4058075**676145**	2 × 58W FL	42	6 510	155	4 000	100 000	100 000
NEW	LB FLEX 1200 DALI P 42W 840 VW	■	4058075**676169**	2 × 58W FL	42	6 510	155	4 000	100 000	100 000
NEW	LB FLEX 1200 DALI P 73W 840 W	■	4058075**676206**	4 × 58W FL	73	11 315	155	4 000	100 000	100 000
NEW	LB FLEX 1200 DALI P 73W 840 VW	■	4058075**676220**	4 × 58W FL	73	11 315	155	4 000	100 000	100 000
NEW	LB FLEX 1500 DALI P 105W 840 N	■	4058075**676305**	4 × 80W FL	105	16 800	160	4 000	100 000	100 000
NEW	LB FLEX 1500 DALI P 105W 840 W	■	4058075**676329**	4 × 80W FL	105	16 800	160	4 000	100 000	100 000
NEW	LB FLEX 1500 DALI P 105W 840 VW	■	4058075**676343**	4 × 80W FL	105	16 800	160	4 000	100 000	100 000

	Product name	∢°	⌒	CRI	FLICKER VALUE	IP	IK	g	L × W × H [mm] Ø × H [mm]
NEW	LB FLEX 1200 P 42W 840 W	90	—	≥80	<10 %	IP23	IK08	3 400	1 236 × 115 × 65
NEW	LB FLEX 1200 P 42W 840 VW	120	—	≥80	<10 %	IP23	IK08	3 400	1 236 × 115 × 65
NEW	LB FLEX 1200 P 73W 840 W	90	—	≥80	<10 %	IP23	IK08	3 400	1 236 × 115 × 65
NEW	LB FLEX 1200 P 73W 840 VW	120	—	≥80	<10 %	IP23	IK08	3 400	1 236 × 115 × 65
NEW	LB FLEX 1500 P 105W 840 N	60	—	≥80	<10 %	IP23	IK08	4 450	1 527 × 115 × 65
NEW	LB FLEX 1500 P 105W 840 W	90	—	≥80	<10 %	IP23	IK08	4 450	1 527 × 115 × 65
NEW	LB FLEX 1500 P 105W 840 VW	120	—	≥80	<10 %	IP23	IK08	4 450	1 527 × 115 × 65
NEW	LB FLEX 1200 DALI P 42W 840 W	90	DALI	≥80	<10 %	IP23	IK08	3 500	1 236 × 115 × 65
NEW	LB FLEX 1200 DALI P 42W 840 VW	120	DALI	≥80	<10 %	IP23	IK08	3 500	1 236 × 115 × 65
NEW	LB FLEX 1200 DALI P 73W 840 W	90	DALI2	≥80	<10 %	IP23	IK08	3 500	1 236 × 115 × 65
NEW	LB FLEX 1200 DALI P 73W 840 VW	120	DALI2	≥80	<10 %	IP23	IK08	3 500	1 236 × 115 × 65
NEW	LB FLEX 1500 DALI P 105W 840 N	60	DALI2	≥80	<10 %	IP23	IK08	4 200	1 527 × 115 × 65
NEW	LB FLEX 1500 DALI P 105W 840 W	90	DALI2	≥80	<10 %	IP23	IK08	4 200	1 527 × 115 × 65
NEW	LB FLEX 1500 DALI P 105W 840 VW	120	DALI2	≥80	<10 %	IP23	IK08	4 200	1 527 × 115 × 65

[1] t [h]: L70/B50 @ 25 °C (T$_a$)/t [h]: L80/B10 @ 25 °C (T$_a$)   ■ SUPERIOR CLASS   ■ PERFORMANCE CLASS   ■ VALUE CLASS

LOW BAY FLEX ACCESSORIES

Suspension kit for LOW BAY FLEX

— Wire suspension with bracket and 5 m adjustable steel cable
— Easy installation with click-in suspension brackets

≤5000mm
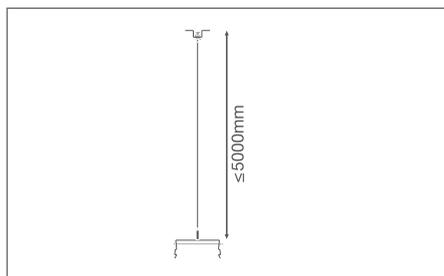
Product name	GTIN (EAN)	![g]	L × W × H [mm] / Ø × H [mm]	MATERIAL	
NEW LB FLEX SUSPENSION KIT BT1	4058075693722	240	125 × 30 × 46	Steel	1

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

HIGH BAY GEN 4 SENSOR
EFFICIENT LIGHT
FOR HIGH CEILINGS

The new sensor version of HIGH BAY GEN 4 enables you to implement intelligent lighting even in warehouses, industrial facilities and logistics centers with ceiling heights of up to approximately 12 meters with minimal effort.

Thanks to its built-in corridor function, the new HIGH BAY automatically increases its luminous intensity as soon as a person enters the room. When no one is present, it decreases the luminous intensity after a certain time. You can easily set hold time and threshold and dimming values in preprogrammed steps using toggle switches on the luminaire.

And the optional remote control allows advanced setting of light levels and timings easily from the ground, as well as quick transfer of the final configuration settings to all other installed HIGH BAY SENSOR luminaires effortlessly with just one click.

QUICK AND CONVENIENT: CONFIGURATION VIA REMOTE CONTROL

A separate remote control is available for the HIGH BAY SENSOR. It can be used to easily apply extended sensor settings from the ground even after installation. The remote control overrides the toggle switch defined configuration on the luminaire.

The memory function of the remote control is particularly convenient and time-saving. It allows you to save the settings of one HIGH BAY SENSOR and transfer this configuration to all the other HIGH BAY SENSOR luminaires in your installation with just one click.

On/Off

Start the remote setting process

Save your remote setting

Test your remote setting

Manual switching, dimming and setting default features

Detection range: 25 %, 50 %, 75 %, 100 %

Hold time: 5 s, 30 s, 1 min, 3 min, 10 min, 20 min, 30 min

Stand-by-dimming level: 10 %, 20 %, 35 %, 50 %

Stand-by-period: 10 s, 30 s, 1 min, 3 min, 30 min

Daylight sensor: 10 lx, 30 lx, 50 lx, 100 lx, 200 lx, Disable

SIMPLE BASIC CONFIGURATION DIRECTLY ON THE SENSOR

SWITCH 1: DETECTION AREA
In this area the RF sensor detects movement.

SWITCHES 2 AND 3: HOLD TIME
During this time, the light is still switched on 100 % after moving objects have left the detection area.

SWITCH 4: DAYLIGHT THRESHOLD
Here you can define the sensor's dependence on daylight. When the daylight function is activated the motion sensor does not react until the ambient brightness is below 100 lux. When it is deactivated the sensor always reacts to movement.

SWITCHES 5 AND 6: DIMMING LEVEL
The luminaire dims to this defined brightness value during standby after the set hold time has elapsed.
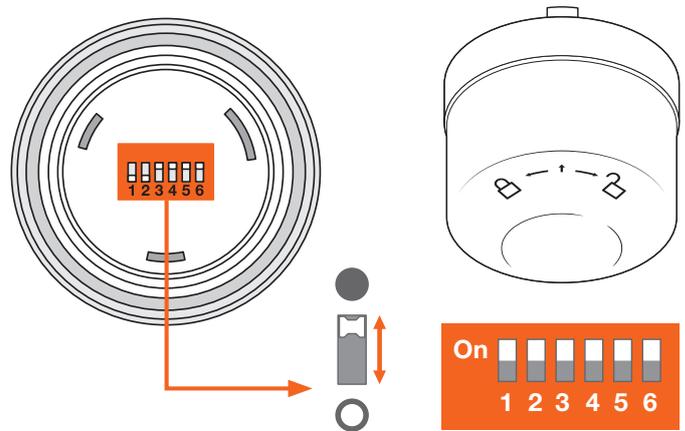
DETECTION AREA			**HOLD TIME**			**DAYLIGHT SENSOR**		**DIMMING LEVEL**		
1			**2**	**3**		**4**		**5**	**6**	
●	100 %		●	●	30 s	●	Disable	●	●	Off
○	5 %		●	○	1 min	○	100 lux	○	●	10 %
			○	●	5 min			●	○	30 %
			○	○	10 min					
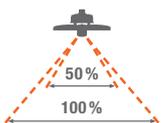
On 1 2 3 4 5 6

50 % / 100 %

8 7 6 5 4 2 1 1 2 3 4 5 6 7 8 [m]
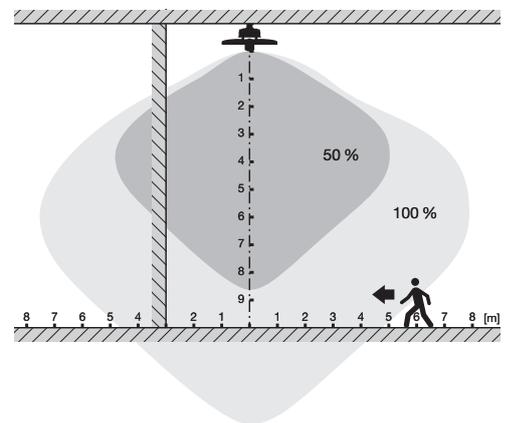
ECONOMICAL THANKS TO INTELLIGENT CORRIDOR FUNCTION

Wherever 24-hour lighting is required the corridor function helps to efficiently provide the necessary light.

The lighting can be activated depending on presence and, if required, on daylight to suit individual requirements. If it does not detect presence it will dim to the set level or switch off completely for a certain time.

Light

Daylight sensor

Stand-by dimming level

Hold Time | Stand-by period

Time

HIGH BAY GEN 4

High bay luminaires up to 150 lm/W and attractive UGR

1

2

2

PRODUCT FEATURES

— High frequency sensor for daylight and motion detection
— Different luminous flux and beam angle for mounting heights of ~6 m to 14 m in 4 000 K or 6 500 K or ~6 m to 10 m in 4 000 K for sensor version

PRODUCT BENEFITS

— High luminous efficacy
— Energy savings of up to 64 % compared to conventional high bay luminaires
— 5 years guarantee[1]
— Suitable for use in dusty and damp locations thanks to high IP rating
— Multiple adjustments of sensor range, daylight detection and hold time on sensor version

AREAS OF APPLICATION

— Replacement for high bay luminaires with mercury vapor or metal halide lamps
— Warehouses
— Logistics halls
— Industry
— High ceiling (e.g. in shopping malls, airports, commercial buildings, lobbies)

EQUIPMENT / ACCESSORIES

— Mounting brackets, reflectors and refractors available as separate accessory*
— Mounting hook included

FURTHER PRODUCT DETAILS
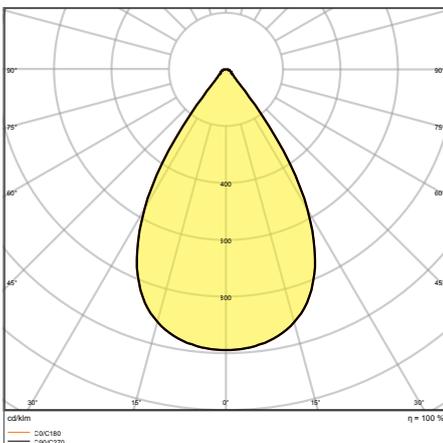
HB P 87W 840 70DEG IP65
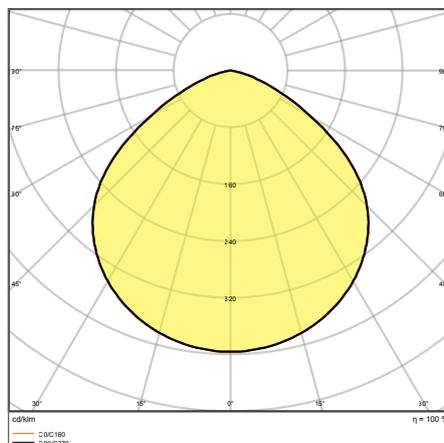
HB P 87W 840 110DEG IP65

*Please note: available = available as an optional accessory. See accessories on page 24. High Bay Sensor luminaires include bracket.
[1] Refer to www.ledvance.com/guarantee for precise conditions.
[2] Versions with sensor available.

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

HIGH BAY GEN 4

High bay luminaires up to 150 lm/W and attractive UGR

Product name	Segmentation	GTIN (EAN)	RE-PLACE. FOR	W	lm	lm/W	K	L70[1]	L80[1]
NEW HB P 87W 840 70DEG IP65	■	4058075**692787**	250W HID	87	13 000	150	4 000	80 000	50 000
NEW HB P 87W 840 110DEG IP65	■	4058075**692718**	250W HID	87	13 000	150	4 000	80 000	50 000
NEW HB P 87W 865 70DEG IP65	■	4058075**692855**	250W HID	87	13 000	150	6 500	80 000	50 000
NEW HB P 87W 865 110DEG IP65	■	4058075**692848**	250W HID	87	13 000	150	6 500	80 000	50 000
NEW HB P 147W 840 70DEG IP65	■	4058075**692800**	400W HID	147	22 000	150	4 000	80 000	50 000
NEW HB P 147W 840 110DEG IP65	■	4058075**692794**	400W HID	147	22 000	150	4 000	80 000	50 000
NEW HB P 147W 865 110DEG IP65	■	4058075**692862**	400W HID	147	22 000	150	6 500	80 000	50 000
NEW HB P 190W 840 70DEG IP65	■	4058075**692824**	500W HID	190	27 000	140	4 000	80 000	50 000
NEW HB P 190W 840 110DEG IP65	■	4058075**692817**	500W HID	190	27 000	140	4 000	80 000	50 000
NEW HB P 190W 865 70DEG IP65	■	4058075**692879**	500W HID	190	27 000	140	6 500	80 000	50 000
NEW HB P 210W 840 70DEG IP65	■	4058075**692831**	500W HID	210	30 000	140	4 000	80 000	50 000
NEW HB P 210W 865 70DEG IP65	■	4058075**692886**	500W HID	210	30 000	140	6 500	80 000	50 000

Product name	°∧	CRI	FLICKER VALUE	IP	IK	g	CABLE LENGTH [mm]	L × W × H [mm] Ø × H [mm]	No.
NEW HB P 87W 840 70DEG IP65	70	≥ 80	< 5 %	IP65	IK08	2 264	1 500	280 × 155	1
NEW HB P 87W 840 110DEG IP65	110	≥ 80	< 5 %	IP65	IK08	2 264	1 500	280 × 155	1
NEW HB P 87W 865 70DEG IP65	70	≥ 80	< 5 %	IP65	IK08	2 264	1 500	280 × 155	1
NEW HB P 87W 865 110DEG IP65	110	≥ 80	< 5 %	IP65	IK08	2 264	1 500	280 × 155	1
NEW HB P 147W 840 70DEG IP65	70	≥ 80	< 5 %	IP65	IK08	2 554	1 500	321 × 152	1
NEW HB P 147W 840 110DEG IP65	110	≥ 80	< 5 %	IP65	IK08	2 554	1 500	321 × 152	1
NEW HB P 147W 865 110DEG IP65	110	≥ 80	< 5 %	IP65	IK08	2 554	1 500	321 × 152	1
NEW HB P 190W 840 70DEG IP65	70	≥ 80	< 5 %	IP65	IK08	2 830	1 500	321 × 156	1
NEW HB P 190W 840 110DEG IP65	110	≥ 80	< 5 %	IP65	IK08	2 830	1 500	321 × 156	1
NEW HB P 190W 865 70DEG IP65	70	≥ 80	< 5 %	IP65	IK08	2 830	1 500	321 × 156	1
NEW HB P 210W 840 70DEG IP65	70	≥ 80	< 5 %	IP65	IK08	2 830	1 500	321 × 156	1
NEW HB P 210W 865 70DEG IP65	70	≥ 80	< 5 %	IP65	IK08	2 830	1 500	321 × 156	1

HIGH BAY SENSOR GEN 4

High bay luminaires in IP65 with high frequency sensor

Product name	Segmentation	GTIN (EAN)	RE-PLACE. FOR	W	lm	lm/W	K	L70[1]	L80[1]
NEW HB SEN P 87W 840 110DEG IP65	■	4058075**603257**	250W HID	87	13 000	150	4 000	80 000	50 000
NEW HB SEN P 147W 840 70DEG IP65	■	4058075**603271**	400W HID	147	22 000	150	4 000	80 000	50 000
NEW HB SEN P 147W 840 110DEG IP65	■	4058075**603264**	400W HID	147	22 000	150	4 000	80 000	50 000
NEW HB SEN P 190W 840 110DEG IP65	■	4058075**603288**	500W HID	190	27 000	140	4 000	80 000	50 000

Product name	°∧	CRI	IP	IK	g	CABLE LENGTH [mm]	L × W × H [mm] Ø × H [mm]	No.
NEW HB SEN P 87W 840 110DEG IP65	110	≥ 80	IP65	IK08	2 242	1 500	280 × 190	2
NEW HB SEN P 147W 840 70DEG IP65	70	≥ 80	IP65	IK08	2 690	1 500	321 × 188	2
NEW HB SEN P 147W 840 110DEG IP65	110	≥ 80	IP65	IK08	2 570	1 500	321 × 188	2
NEW HB SEN P 190W 840 110DEG IP65	110	≥ 80	IP65	IK08	2 840	1 500	321 × 192	2

SENSOR PROPERTIES

Product name	Type of sensor	Sensor technology	Detection threshold of daylight sensor	Detection range of motion sensor	Sensor detection angle	Sensor controlled switching time
NEW HB SEN P 87W 840 110DEG IP65	Motion/Light	Microwave	100 lx	6…15 m	< 150°	30 s…10 min
NEW HB SEN P 147W 840 70DEG IP65	Motion/Light	Microwave	100 lx	6…15 m	< 150°	30 s…10 min
NEW HB SEN P 147W 840 110DEG IP65	Motion/Light	Microwave	100 lx	6…15 m	< 150°	30 s…10 min
NEW HB SEN P 190W 840 110DEG IP65	Motion/Light	Microwave	100 lx	6…15 m	< 150°	30 s…10 min

[1] t [h]: L70/B50 @ 25 °C (T_a)/t [h]: L80/B10 @ 25 °C (T_a)   ■ SUPERIOR CLASS   ■ PERFORMANCE CLASS   ■ VALUE CLASS

HIGH BAY COMPACT

High bay luminaires up to 120 lm/W

VALUE CLASS

IP65

3 year guarantee [1]

PRODUCT FEATURES

— Operating temperature: –20…45 °C
— Black aluminum housing, tempered glass cover
— Opal cover
— Type of protection: IP65
— Lifetime (L70): up to 50 000 h
— High luminous efficacy: up to 120 lm/W

PRODUCT BENEFITS

— Modern exclusive design
— Energy savings of up to 60 % compared to conventional high bay luminaires
— 3 years guarantee [1]
— Optimized weight and size due to compact design

AREAS OF APPLICATION

— Replacement for high bay luminaires with mercury vapor or metal halide lamps
— Warehouses
— Logistics halls
— Industry
— High ceiling (e.g. in shopping malls, airports, commercial buildings, lobbies)

EQUIPMENT / ACCESSORIES

— Accessories for several mounting options available*

FURTHER PRODUCT DETAILS
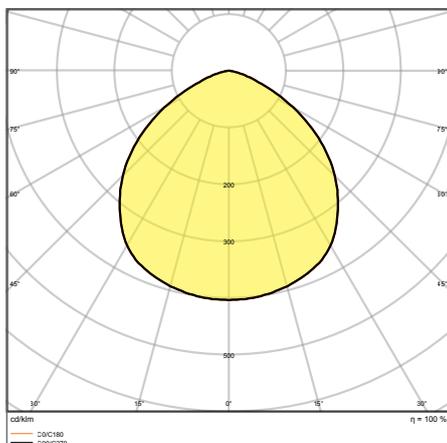
HB COMP V 83W 840 110DEG IP65
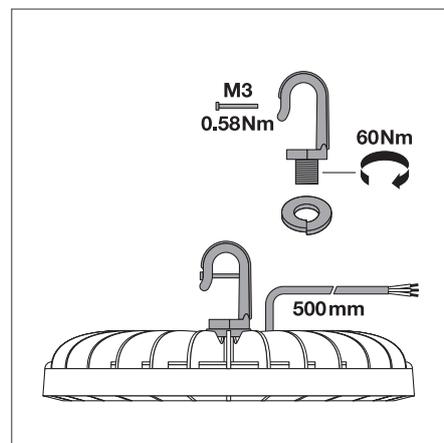
*Please note: available = available as an optional accessory. See accessories on page 25.
[1] Refer to www.ledvance.com/guarantee for precise conditions.

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

HIGH BAY COMPACT

High bay luminaires up to 120 lm/W

Product name	Segmentation	GTIN (EAN)	RE-PLACE. FOR	W	lm	K	L70 [1]	L80 [1]
NEW HB COMP V 83W 840 110DEG IP65 VS1	■	4058075**708174**	250W HID	83	10 000	4 000	50 000	45 000
NEW HB COMP V 83W 865 110DEG IP65 VS1	■	4058075**708211**	250W HID	83	10 000	6 500	50 000	45 000
NEW HB COMP V 133W 840 110DEG IP65 VS1	■	4058075**708181**	400W HID	133	16 000	4 000	50 000	45 000
NEW HB COMP V 166W 840 110DEG IP65 VS1	■	4058075**708198**	500W HID	166	20 000	4 000	50 000	45 000
NEW HB COMP V 166W 865 110DEG IP65 VS1	■	4058075**708228**	500W HID	166	20 000	6 500	50 000	45 000
NEW HB COMP V 225W 840 110DEG IP65 VS1	■	4058075**708204**	500W HID	225	27 000	4 000	50 000	45 000

Product name	∧°	CRI	FLICKER VALUE	IP	IK	9	CABLE LENGTH [mm]	L × W × H [mm] Ø × H [mm]
NEW HB COMP V 83W 840 110DEG IP65 VS1	110	>80	<20%	IP65	IK06	800	500	180 × 50
NEW HB COMP V 83W 865 110DEG IP65 VS1	110	>80	<20%	IP65	IK06	800	500	180 × 50
NEW HB COMP V 133W 840 110DEG IP65 VS1	110	>80	<20%	IP65	IK06	1 100	500	220 × 50
NEW HB COMP V 166W 840 110DEG IP65 VS1	110	>80	<20%	IP65	IK06	1 500	500	260 × 50
NEW HB COMP V 166W 865 110DEG IP65 VS1	110	>80	<20%	IP65	IK06	1 500	500	260 × 50
NEW HB COMP V 225W 840 110DEG IP65 VS1	110	>80	<20%	IP65	IK06	2 000	500	300 × 50

[1] t [h]: L70/B50 @ 25 °C (T$_a$)/t [h]: L80/B10 @ 25 °C (T$_a$)   ■ SUPERIOR CLASS   ■ PERFORMANCE CLASS   ■ VALUE CLASS

HIGH BAY GEN 4 ACCESSORIES

Reflectors, refractors, mounting and sensor accessories for HIGH BAY GEN 4 luminaires

1

2

3

4

— High quality aluminum reflector
— High quality polycarbonate refractor
— Brackets made of black steel with
  adjustable swivel angle: ±90 °*
— Remote control for advanced
  Sensor settings

LEDVANCE [1]
5 year
guarantee

Product name	GTIN (EAN)	L × W × H [mm] Ø × H [mm]	MATERIAL	COLOR		No.
NEW HB ALU REFLECTOR 87W	4058075699397	415 × 205	Aluminum	Silver	1	1
NEW HB ALU REFLECTOR 147 190 210W	4058075699410	500 × 235	Aluminum	Silver	1	1
NEW HB PC REFRACTOR 87W	4058075699359	413 × 205	Polycarbonate (PC)	Transparent	1	2
NEW HB PC REFRACTOR 147 190 210W	4058075699373	480 × 250	Polycarbonate (PC)	Transparent	1	2
NEW HB BRACKET 87 147 190 210W	4058075695191	138 × 35 × 150	Steel	Black	1	3
NEW HB SENSOR REMOTE CONTROL 93W - 190W	4058075611436	117 × 56 × 15	Polycarbonate (PC)	–	1	4

* Bracket only for standard types. Sensor types already include bracket.

[1] Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

HIGH BAY COMPACT ACCESSORIES

Reflectors and mounting accessories for HIGH BAY COMPACT luminaires

1

2

— Reflector Beam angle: 80°
— High-quality aluminum reflector
— Brackets made of black steel
— Bracket's adjustable swivel
  angle: ±60°

Product name	GTIN (EAN)	L × W × H [mm] / Ø × H [mm]	MATERIAL	COLOR	⌀°	🎁	No.
NEW HB COMP V REFL 83W 80DEG SI	4058075715233	274 × 70	Aluminum	Silver	80	2	1
NEW HB COMP V REFL 133W 80DEG SI	4058075715240	320 × 80	Aluminum	Silver	80	2	1
NEW HB COMP V REFL 166W 80DEG SI	4058075715257	363 × 112	Aluminum	Silver	80	2	1
NEW HB COMP V REFL 225W 80DEG SI	4058075715264	475 × 140	Aluminum	Silver	80	2	1
NEW HB COMP V BRACKET 83W	4058075715271	116 × 22 × 78	Steel	Black	–	1	2
NEW HB COMP V BRACKET 133W	4058075715295	152 × 22 × 108	Steel	Black	–	1	2
NEW HB COMP V BRACKET 166W	4058075715318	190 × 35 × 123	Steel	Black	–	1	2
NEW HB COMP V BRACKET 225W	4058075715332	233 × 35 × 138	Steel	Black	–	1	2

LEDVANCE¹
2 year
guarantee

¹Refer to www.ledvance.com/guarantee for precise conditions

The pictures shown in the catalog are for illustration purposes only. For information on size and color, please refer to the product table.

WHENEVER AND WHEREVER: THE ONLINE PORTAL WITH ALL THE INFORMATION, ADVICE AND EXPERTISE

Are you looking for information about our products and services? LEDVANCE always keeps you up to date: at wholesalers, through our sales employees or via our Customer Service Center (email: contact@ledvance.com). Here you'll find an overview of our competencies, databases and tools.

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A host of application-oriented eLearnings for professional users, practical advice on installation, integrated standards checks, planning tips, and much more.

Register and find out more at
**training.ledvance.com**
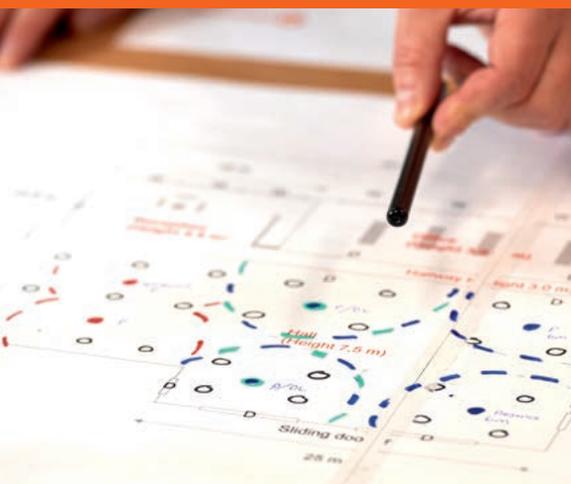
FAST LIGHT CALCULATOR

The light calculation tool – calculate your luminaire project requirement really conveniently, taking account of relevant parameters such as room size.[1]
Available directly in the e-catalog!

LIGHT CALCULATION WITH DIALUX AND RELUX

DIALux and RELUX users can now also integrate LEDVANCE products really easily into their lighting planning. We also support users through consultancy, calculation and aftersales support.

[1] The Fast Light Calculation Tool is no substitute for comprehensive professional planning with DIALux or any other professional light planning software.
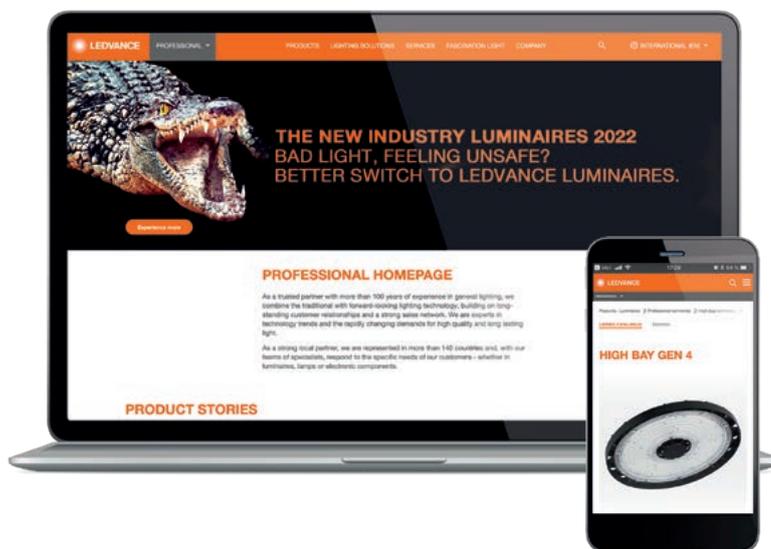
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Use the online filters to find precisely what you're looking for in our luminaire portfolio – type of mounting, IP rating, light color, etc.: ledvance.com/luminaires

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SHEDDING LIGHT, SYMBOLS AND ABBREVIATIONS

IP — Type of protection

IK — IK impact rating

CRI — Color rendering index

— Dimmable or DALI

lm — Luminous flux in lm

W — Power in W

K — Color temperature in K

lm/W — Luminous efficacy

5 year guarantee — Guarantee

COLOR — Color

MATERIAL — Material

— Sensor versions

FLICKER VALUE — Flicker Value

RE-PLACE. FOR — Replacement for traditional lamp technology

L70 — t [h]: L70/B50 @ 25 °C (T_a)

L80 — t [h]: L80/B10 @ 25 °C (T_a)

— Beam angle in °

g — Weight

— Unit of packaging

€ — Recommended retail price

No. — Fig. no.

DALI VERSIONS — DALI versions

— Protection class I

— ENEC certification

TÜV SÜD — TÜV Süd certification

D — D-symbol certified (EN 60598-2-24)

LIST OF ABBREVIATIONS

DP	Damp Proof
GY	Gray
HB	High Bay
LB	Low Bay
MT	Manual Test
N	Narrow (beam angle)
P	Performance
S/SEN	Sensor
TH	Through-wiring
UGR	Unified Glare Rating
VAL	Value
VW	Very Wide Beam Angle
W	Wide (90° beam)

ABOUT LEDVANCE

With offices in more than 50 countries and business activities in more than 140 countries, LEDVANCE is one of the world's leading general lighting providers for professional users and end consumers. Having emerged from OSRAM's general lighting division, LEDVANCE offers a wide-ranging portfolio of LED luminaires for a broad spectrum of applications, intelligent lighting products for Smart Home and Smart Building solutions, one of the most comprehensive ranges of advanced LED lamps in the lighting industry, traditional light sources, an LED Strip System and light management systems.

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