

worker^{plus}

Large area high-bay luminaire

Choose your plus!



REGIOLUX



Food product-
processing
& packaging



Cosmetic and
pharmaceuticals industry



Automotive industry



Logistics



Industry/production

worker^{plus} is an exceptionally robust hall and surface luminaire for a wide range of applications. Thanks to a careful selection of technologies and components, we guarantee reliability and availability of the lighting systems under difficult ambient conditions and high thermal loads. Construction site packaging ensures a plus in sustainability.



Planning examples



Commercial/logistics

Requirements

Hall for order picking

Floor area	800 sqm
Average illuminance	min. 300 lux
Uniformity	min. 0.5
UGR	<25

Solution (basic type)

25 pieces worker-plus

WOHSTB-PLUS/1000-265 16000 840 DALI IP65

Light distribution	narrow/wide distribution
Installation height	8 m
Average illuminance	370 lux
Uniformity	0.6
UGR	19
Total power	2.55 kW



Food/pharma

Requirements

Hall for food production

Floor area	600 sqm
Ambient temperature	+50 °C
IFS-compliant	
Colour temperature	5000 K
Average illuminance	min. 500 lux
Uniformity	min. 0.6
UGR	< 22

Solution (BTO – Build-to-Order) **BTO** Build to Order

42 pieces worker-plus


WOHSTB-PLUSSR/1000-170 10000 850 DALI IP65

Light distribution	narrow/wide distribution
Installation height	4.5 m
Average illuminance	530 lux
Uniformity	0.7
UGR	19
Total power	2.7 kW

worker^{plus}

Highlights

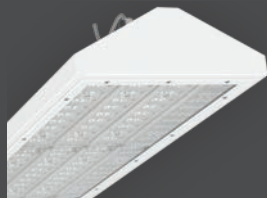
- + Robust hall and area luminaire in IP65
- + Efficient and highly glare-reduced lighting technology
- + Light characteristic with narrow/wide distribution
- + Performance levels of 6,000 to 34,000 lm
- + Suitable for ambient temperatures of -20 °C to +55 °C


Made in Germany

Planning freedom with the **worker**-series



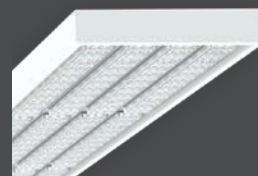
worker^{plus} IP65 **NEW!** Modular principle



worker IP65



worker IP54



Luminous fluxes

6000-34000 lm

14200-28400 lm

14600-29200 lm

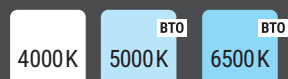
Efficiencies

164-157 lm/W

145 lm/W

149 lm/W

Light colours



Colour rendering



Light distributions (single lens)



UGR



Test mark features



Service life



Ambient temperature

-20°C to +55 °C **BTO**

-20°C to +45 °C

-20°C to +45 °C

Types of driver

DALI 2

ED, DALI 2

ED, DALI 2

Protection ratings

IP65

IP65

IP54

IK class



Dimensions

L 688/1013/1338 mm
W 196/268/340 mm
H 83/102/124 mm

L 688/1013/1338 mm
W 340 mm
H 59 mm

L 688/1013/1338 mm
W 340 mm
H 59 mm


Types of installation





worker^{plus} Basic types

Basic types are the starting point of the modular system. Beyond that, your requirements profile determines additional features of the BTO project lighting.

Basic types	Configuration	Ta [C]	LxWxH	lm/W	P _{sys} [W]	Order number	
worker-WOHSTB-PLUS/0700-170 IP65	LED 6000 840	-20°- 55°	688 x 196 x 83	164	36	3747 0146 630	4,6
worker-WOHSTB-PLUS/1000-170 IP65	LED 10000 840	-20°- 50°	1013 x 196 x 83	162	63	3747 0246 630	6,2
worker-WOHSTB-PLUS/1000-265 IP65	LED 16000 840	-20°- 50°	1013 x 268 x 102	160	102	3747 0266 630	8,0
worker-WOHSTB-PLUS/1000-340 IP65	LED 24000 840	-20°- 45°	1013 x 340 x 124	158	154	3747 0226 630	9,6
worker-WOHSTB-PLUS/1300-340 IP65	LED 32000 840	-20°- 50°	1338 x 340 x 124	158	206	3747 0326 630	12,5

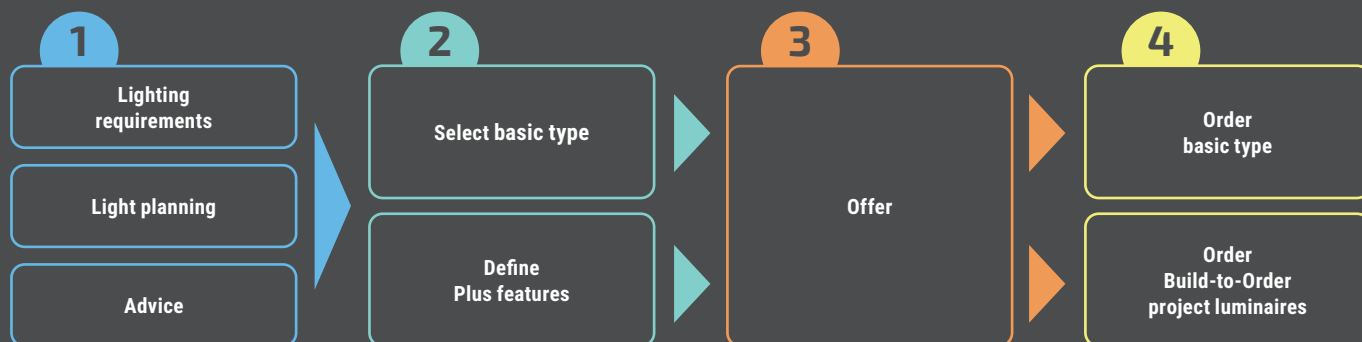
Using light control efficiently

The *netlife* light control system can be used with the Easy, Flex and Pro performance levels for the luminaires. Our service is available to answer questions regarding the design, project planning and commissioning of light control systems.



worker^{plus} Defining the BTO project luminaire

Special applications require individual solutions. Our worker^{plus} solves this challenge with selectable specifications. You specify, and we produce according to your requirements: that's what we mean by Build-to-Order*.



*BTO min. 4 pieces

Our tuning knobs of the Plus features:



Selecting an assembly grid

In the worker^{plus} family, the assembly grid with LED circuit boards can be selected. Depending on requirements, the worker^{plus} can be configured in terms of size and performance requirements.

Length: 688–1338 mm

Width: 196–340 mm





The **worker**^{plus} modular system

This is a great option if you want to adapt the lighting to your needs in your project.

Find out everything about the **worker**^{plus} module here:

-  Sales contact person
-  export@regiolux.de
-  +49 9525 89-220



Image index

- 1 albertkarimov, 123rf.com
- 2 Boris Golz, Arnsberg DE; Matthias Frank Schmidt, Erfurt DE
- 3 Matthias Frank Schmidt, Erfurt DE; Roman Zaiets, shutterstock.com
- 4 Romana Dziedzic, Regiolux Polska
- 6 alexslb, shutterstock.com
- 8 Nuthawut, stock.adobe.com

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REGIOLUX

Regiolux GmbH
 Hellinger Straße 3
 D 97486 Königsberg
 T +49 9525 89 0
info@regiolux.de
www.regiolux.de