

REGIOLUX



worker

The best possible solution for demanding tasks

worker



The best possible solution for demanding tasks
the worker can do it



Every single detail of our all-rounder for industry and trade reveals its purpose. Housing, protection category and temperature range are designed to work reliably in the most demanding areas. The lumen packages of the Individual.Lens.Optic (I.L.O) deliver the necessary power for hall lighting. Flexibility comes into play through the anti-glare effect, dimming ability and sensor modules. And that name says it all: worker





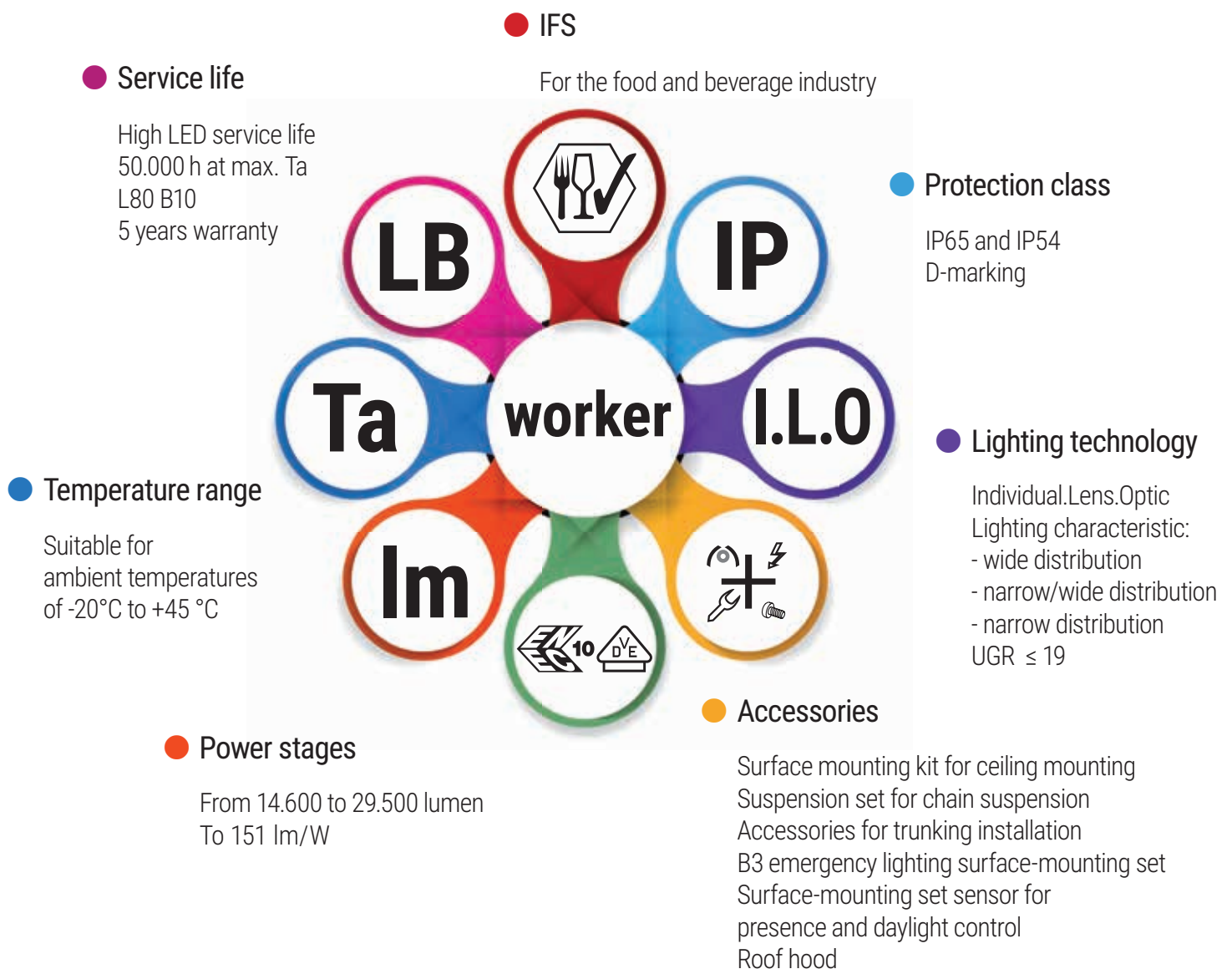
worker



The product line with a clear goal:

The worker is an exceptionally robust hall and surface luminaire for a wide range of application areas. Thanks to a careful selection of the best technologies and components, we guarantee reliability and availability of the lighting systems even under difficult ambient conditions.

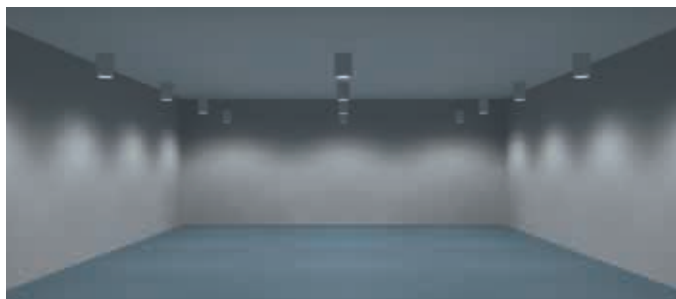
worker quality criteria



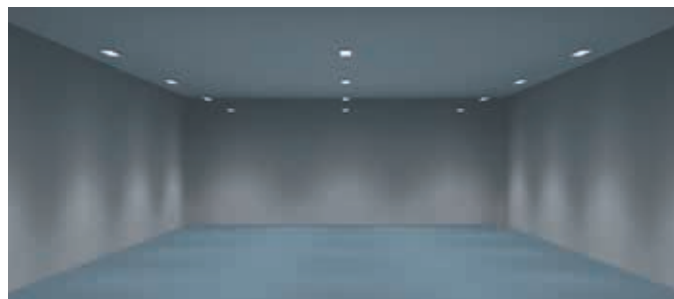
Planning example

Industrial, commercial halls

HIE 1/400

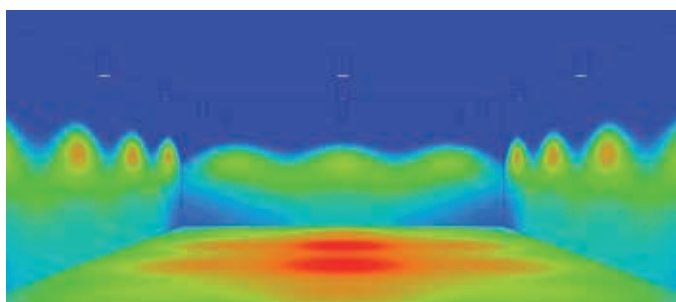


worker/1000

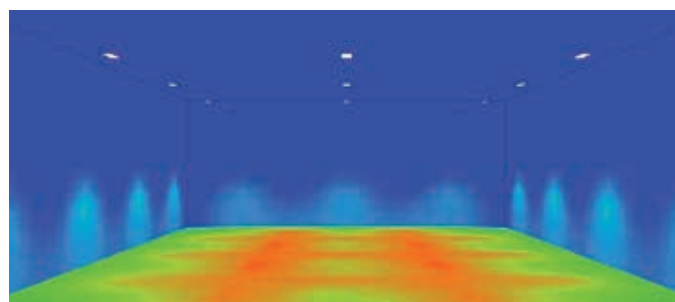


General parameters:

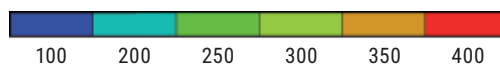
Industrial hall for metalworking, 30m x 20m x 8m, installation height 7m, utilization plane 0.75m



Illuminance (lx)



Illuminance (lx)



Average illuminance:
Utilization plane 344 lx
UGR=29

Average illuminance:
Utilization plane 350 lx
UGR=19

Planning

Luminaire	cooky-COHA HIE 1/400 IP40	worker-WOHTB/1000 LED 21900 840 IP54
Quantity of luminaires	12	12
Performance per luminaire (W)	480	147
Performance per facility (kW)	5,76	1,77
Average illuminance (lux)	344	350
Performance per area (W/sqm)	9,60	2,94
Efficiency indicator (W/sqm/100lux)	2,79	0,84
Efficiency gains	ca. 69 %	

+ ≤ 20%
further savings through control and regulation technology

Planning parameters for complete sensor set

WOH-LC07-DALI IP54

Item number 3729 0008 100

Oval detection range, can be rotated through 90°

Installation height up to 16m

Daylight and movement detection (can be switched off)

Up to 50 DALI elements, orientation light

Incl. 2.3 m connecting cable and mounting bracket

WOH-LC12-ET IP54

Item number 3729 0007 100

Oval detection range, can be rotated through 90°

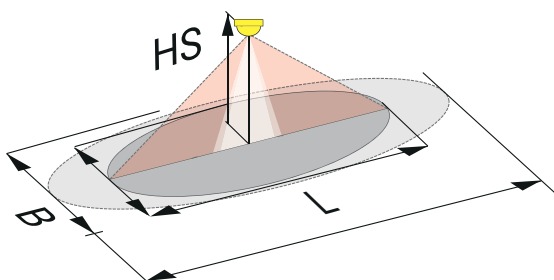
Installation height up to 16m

Time setting 15s-30min

Motion-dependent switch up to 2300W, 1150VA

Motion-dependent dimming with corridor function devices

Incl. 2.3 m connecting cable and mounting bracket



HS	L	B
5,00 m	26,00 m	18,00 m
6,00 m	26,00 m	18,00 m
7,00 m	28,00 m	19,00 m
8,00 m	28,00 m	19,00 m
9,00 m - 16,00 m	30,00 m	19,00 m




worker-WOHSTB/1000 LED

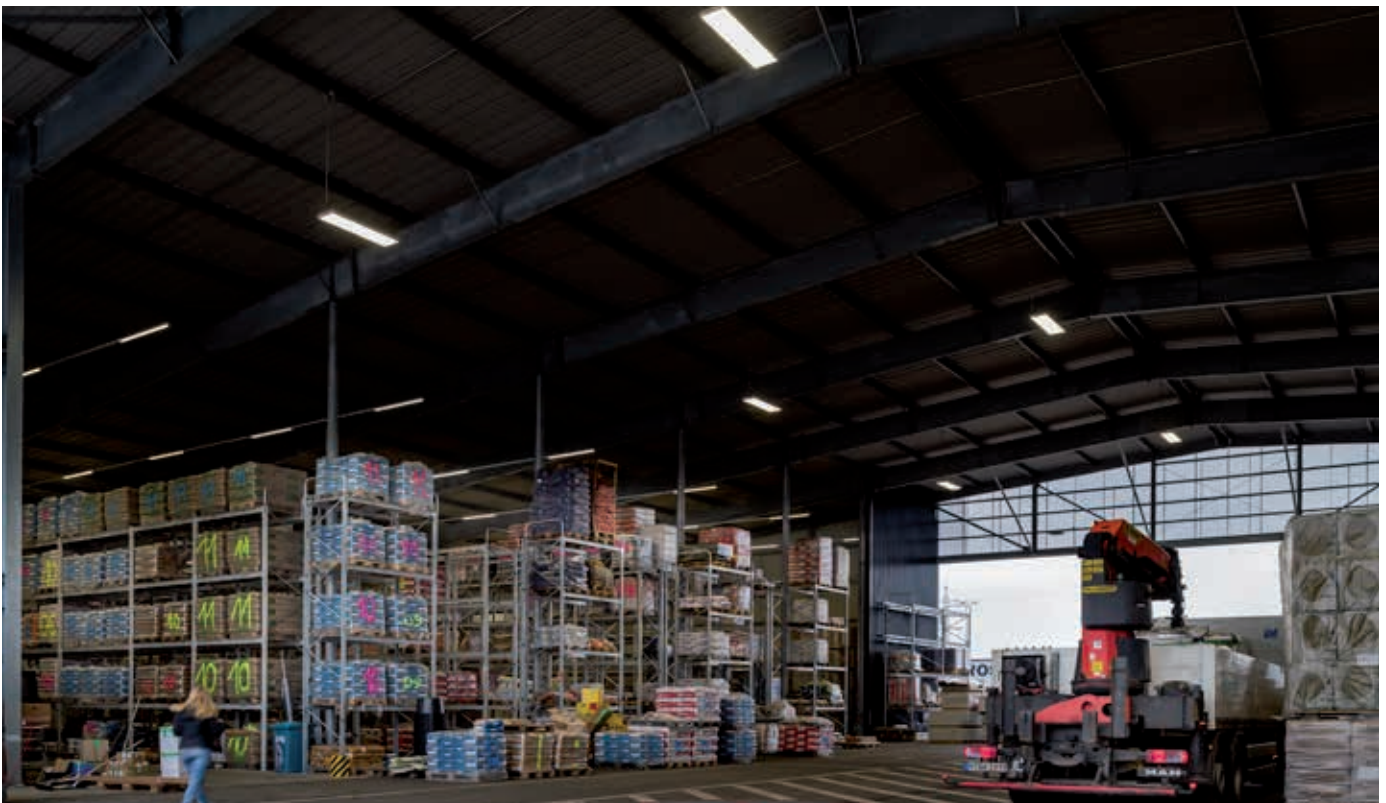


worker-WOHSTB/1300 LED



Products

Type	Lamps	P _{sys} [W]	Colour	Ballast	LxBxH/DxH	Item number	 kg
<i>Individual.Lens.Optic direct narrow/wide distribution IP 65</i>							
worker-WOHSTB/0700 IP65	LED 14200 840	98	vw	ED	688 x 340 x 59	3745 0124 130	7,30
				DALI	688 x 340 x 59	3745 0126 630	7,30
worker-WOHSTB/1000 IP65	LED 21300 840	147	vw	ED	1013 x 340 x 59	3745 0224 130	10,30
				DALI	1013 x 340 x 59	3745 0226 630	10,30
worker-WOHSTB/1300 IP65	LED 28400 840	196	vw	ED	1338 x 340 x 59	3745 0324 130	13,10
				DALI	1338 x 340 x 59	3745 0326 630	13,10





Mounting:

- Suspended
- Ceiling surface
- Mounting rail

Housing:

- Sheet steel housing, powder-coated

Lighting technology WOHB:

- Individual.Lens.Optic; PMMA plastic
- Lighting characteristic direct wide distribution

Lamp:

- LED 50000h L80/B10
- CRI ≥ 80 / 4000K

Switching:

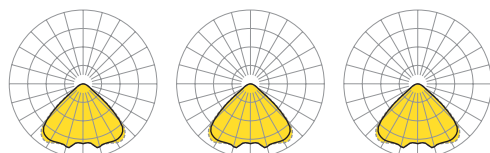
- Various switching modes available
- The number of control gears varies according to the version
- Electronic driver + DALI
- 230V 50Hz

Miscellaneous:

- Electrical connection via connection cable 2.3 m

Accessories:

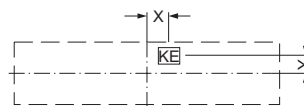
- Surface mounting kit DW 235/80 for ceiling mounting and suspension kit KSH 4 or KKH 4 for chain suspension, B3 emergency lighting surface-mounting set up to TA40° on request, sensor surface-mounting set for presence and daylight control must be ordered separately.



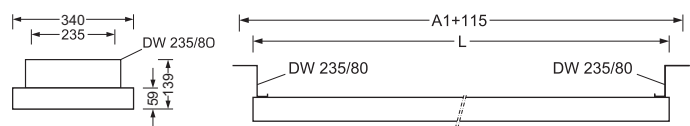
Model	LED	lm	η_{LB}	direct/indirect	UGR lat./long.
WOHB/0700 IP54	LED 14600	Im 840	100% 149	100/0%	22,1/22,3
WOHB/1000 IP54	LED 21900	Im 840	100% 149	100/0%	22,1/22,3
WOHB/1300 IP54	LED 29100	Im 840	100% 149	100/0%	22,1/22,3

Dimensions

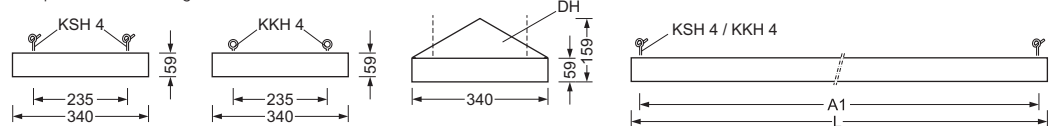
Type	Versions	LxBxH/DxH	A1	A4	KE X/Y
WOH./0700	LED	688 x 340 x 59	655	235	261 / 0
WOH./1000	LED	1013 x 340 x 59	980	235	423,5 / 0
WOH./1300	LED	1338 x 340 x 59	1305	235	586 / 0



Surface mounting



Suspended mounting



Products

Type	Lamps	P _{sys} [W]	Colour	Ballast	LxBxH/DxH	Item number	kg
<i>Individual.Lens.Optic direct wide distribution IP 54</i>							
worker-WOHB/0700 IP54	LED 14600 840	98	vw	ED	688 x 340 x 59	3744 0124 110	6,40
				DALI	688 x 340 x 59	3744 0126 610	6,40
worker-WOHB/1000 IP54	LED 21900 840	147	vw	ED	1013 x 340 x 59	3744 0224 110	9,00
				DALI	1013 x 340 x 59	3744 0226 610	9,00
worker-WOHB/1300 IP54	LED 29100 840	196	vw	ED	1338 x 340 x 59	3744 0324 110	11,40
				DALI	1338 x 340 x 59	3744 0326 610	11,40



A++ IP 54

Mounting:

- Suspended
- Ceiling surface
- Mounting rail

Housing:

- Sheet steel housing, powder-coated

Lighting technology WOHTB:

- Individual.Lens.Optic; PMMA plastic
- Lighting characteristic direct narrow/wide distribution

Lamp:

- LED 50000h L80/B10
- CRI ≥ 80 / 4000K

Switching:

- Various switching modes available
- The number of control gears varies according to the version
- Electronic driver + DALI
- 230V 50Hz

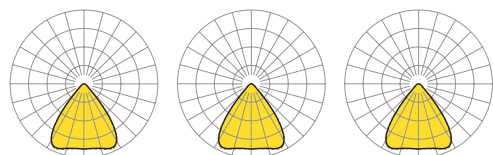
Miscellaneous:

- Electrical connection via connection cable 2.3 m

Accessories:

- Surface mounting kit DW 235/80 for ceiling mounting and suspension kit KSH 4 or KKH 4 for chain suspension, B3 emergency lighting surface-mounting set up to TA40°, sensor surface-mounting set for presence and daylight control must be ordered separately.

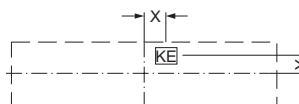
worker-WOHTB/1000 LED 840



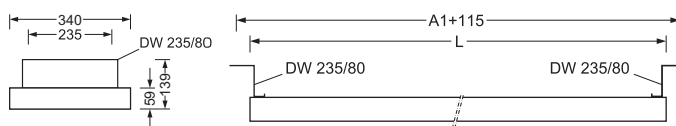
WOHTB/0700 IP54 LED 14600 lm 840	WOHTB/1000 IP54 LED 21900 lm 840	WOHTB/1300 IP54 LED 29200 lm 840
η_{LB} 100% lm/W 149	η_{LB} 100% lm/W 149	η_{LB} 100% lm/W 149
direct/indirect 100/0% UGR lat./long. 19,1/19,4	direct/indirect 100/0% UGR lat./long. 19,1/19,4	direct/indirect 100/0% UGR lat./long. 19,1/19,4

Dimensions

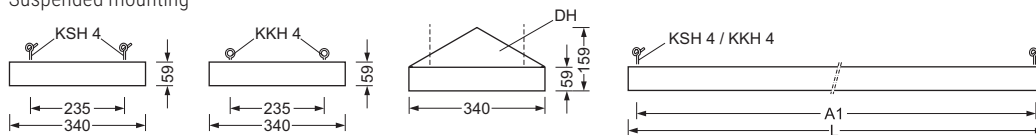
Type	Versions	LxBxH/DxH	A1	A4	KE X/Y
WOH./0700	LED	688 x 340 x 59	655	235	261 / 0
WOH./1000	LED	1013 x 340 x 59	980	235	423,5 / 0
WOH./1300	LED	1338 x 340 x 59	1305	235	586 / 0



Surface mounting



Suspended mounting



Products

Type	Lamps	P _{sys} [W]	Colour	Ballast	LxBxH/DxH	Item number	
<i>Individual.Lens.Optic direct narrow/wide distribution IP 54</i>							
worker-WOHTB/0700 IP54	LED 14600 840	98	vw	ED	688 x 340 x 59	3744 0124 130	6,40
				DALI	688 x 340 x 59	3744 0126 630	6,40
worker-WOHTB/1000 IP54	LED 21900 840	147	vw	ED	1013 x 340 x 59	3744 0224 130	9,00
				DALI	1013 x 340 x 59	3744 0226 630	9,00
worker-WOHTB/1300 IP54	LED 29200 840	196	vw	ED	1338 x 340 x 59	3744 0324 130	11,40
				DALI	1338 x 340 x 59	3744 0326 630	11,40



Mounting:

- Suspended
- Ceiling surface
- Mounting rail

Housing:

- Sheet steel housing, powder-coated

Lighting technology WOHT:

- Individual.Lens.Optic; PMMA plastic
- Lighting characteristic direct narrow distribution

Lamp:

- LED 50000h L80/B10
- CRI ≥ 80 / 4000K

Switching:

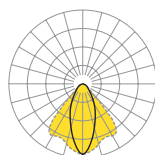
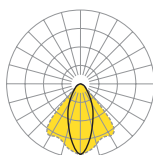
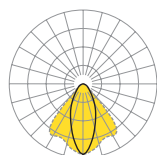
- Various switching modes available
- The number of control gears varies according to the version
- Electronic driver + DALI
- 230V 50Hz

Miscellaneous:

- Electrical connection via connection cable 2.3 m

Accessories:

- Surface mounting kit DW 235/80 for ceiling mounting and suspension kit KSH 4 or KKH 4 for chain suspension, B3 emergency lighting surface-mounting set up to TA40° on request, sensor surface-mounting set for presence and daylight control must be ordered separately.

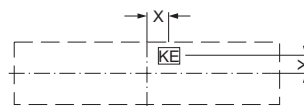


Type	LED	Im	η _{LB}	100%	η _{LB}	100%	100%	100%
WOHT/0700 IP54	LED 14700	Im 840	151	100%	151	100%	151	100%
WOHT/1000 IP54	LED 22100	Im 840	151	100%	151	100%	151	100%
WOHT/1300 IP54	LED 29500	Im 840	151	100%	151	100%	151	100%

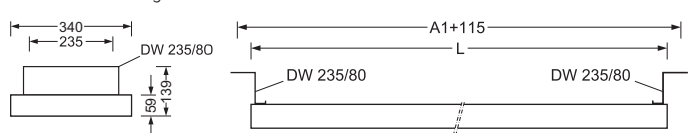
direct/indirect	100/0%	100/0%	100/0%	100/0%	
UGR lat./long.	20,2/21,2	UGR lat./long.	20,2/21,3	UGR lat./long.	20,2/21,3

Dimensions

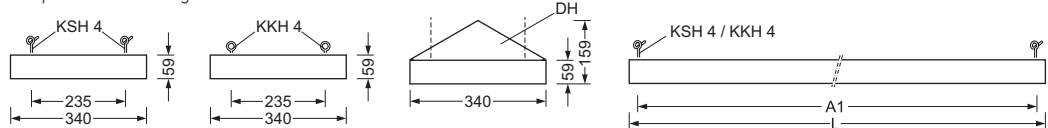
Type	Versions	LxBxH/DxH	A1	A4	KE X/Y
WOH./0700	LED	688 x 340 x 59	655	235	261 / 0
WOH./1000	LED	1013 x 340 x 59	980	235	423,5 / 0
WOH./1300	LED	1338 x 340 x 59	1305	235	586 / 0



Surface mounting



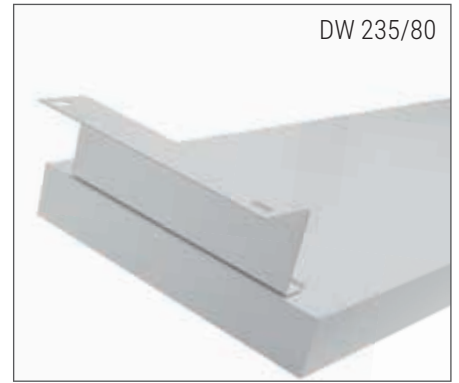
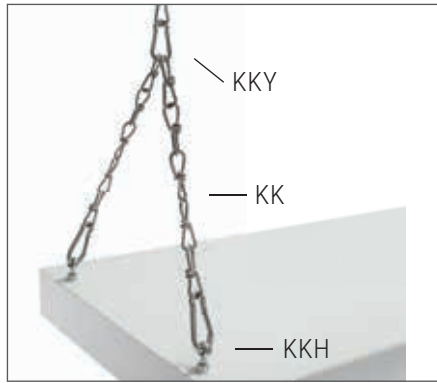
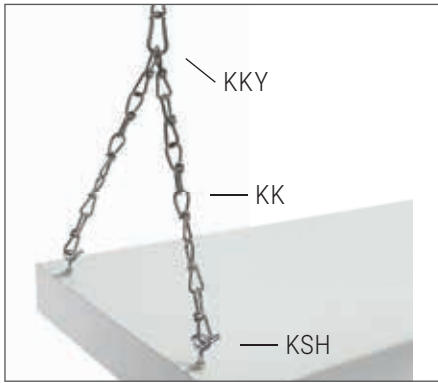
Suspended mounting



Products

Type	Lamps	P _{sys} [W]	Colour	Ballast	LxBxH/DxH	Item number	kg
<i>Individual.Lens.Optic direct narrow distribution IP 54</i>							
worker-WOHT/0700 IP54	LED 14700 840	98	vw	ED	688 x 340 x 59	3744 0124 120	6,40
				DALI	688 x 340 x 59	3744 0126 620	6,40
worker-WOHT/1000 IP54	LED 22100 840	147	vw	ED	1013 x 340 x 59	3744 0224 120	9,00
				DALI	1013 x 340 x 59	3744 0226 620	9,00
worker-WOHT/1300 IP54	LED 29500 840	196	vw	ED	1338 x 340 x 59	3744 0324 120	11,40
				DALI	1338 x 340 x 59	3744 0326 620	11,40

Accessories



Accessories

	Type	Colour	Material	Details	Item number		
<i>Electrical technology</i>							
Sensor lighting surface-mounting set	WOH-LC07-DALI	ws	-	DALI sensor IP54 to MH 16m for worker	3729 0008 100	1	1,00
	WOH-LC12-ET	ws	-	Switching motion sensor up to MH 16m for worker	3729 0007 100	1	1,00
Remote control	LC-BEG IR-RC	-	-	Remote control and programming adapter for smartphone	8450 6021 100	1	0,03
	LC-BEG IR-PD-DALI-E	-	-	Remote control and programming tool for LC07 to MH 8m	8450 6028 100	1	0,04
	LC-BEG IR-PD4-GH	-	-	Remote control and programming tool for LC12	8450 6006 100	1	0,04
Emergency lighting surface-mounting set	WOH-B3	ws	St	for worker, with emergency lighting battery 3h, incl. LED 520lm 857, for max. Ta 40°	3729 5223 100	1	1,02
<i>Protection</i>							
Roof hood	DH /0700	vw	St	for sportler, worker	3729 0700 100	1	1,50
	DH /1000	vw	St	for sportler, worker	3729 1000 100	1	2,20
	DH /1300	vw	St	for sportler, worker	3729 1300 100	1	2,80
<i>Mounting</i>							
Chain suspension	KK	me	St	Chain l=30m, for SDT, SDT Basic, ATS, suspended luminaires	9282 9300 100	1	4,60
	KKH 4	me	St	Chain carabiner suspension kit for worker, sportler, hara	3729 0004 100	4	0,11
	KKY 2	me	St	Chain carabiner set for Y suspension	3729 0005 100	2	0,03
	KSH 4	me	St	Chain hook suspension kit for worker, hara	3729 0002 100	4	0,09
Mounting-ceiling	DW 235/80	vw	St	Ceiling brackets fix for sportler, worker, hara	3729 0001 100	2	1,00

Photo index

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	7	Frank Freihofer, Kitzingen DE · BayWa AG, Großwallstadt DE
	12	Frank Freihofer, Kitzingen DE · Ruhl GmbH & Co. KG, Marktbreit DE

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