

lowea

The right lowea
for every task



REGIOLUX



The extended lowea product range stands for greater flexibility and adaptability. With the universal options, even demanding industrial environments are no longer a challenge with IP65. Variability in lighting technology with CCT2, integrated emergency light, multi-lumen driver and HCL emphasise the universal strategy of the lowea family. We provide a complete system for surface-mounted applications. This shows how quickly and easily you can realise your project with the versatile lowea product family.

Areas of application

- Offices
- Conference and meeting rooms
- Group rooms and classrooms
- Treatment rooms
- Corridors
- Changing rooms

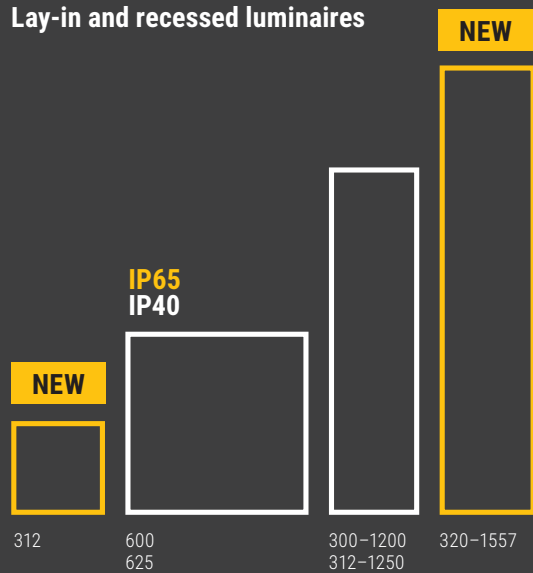
Application areas IP65

NEW

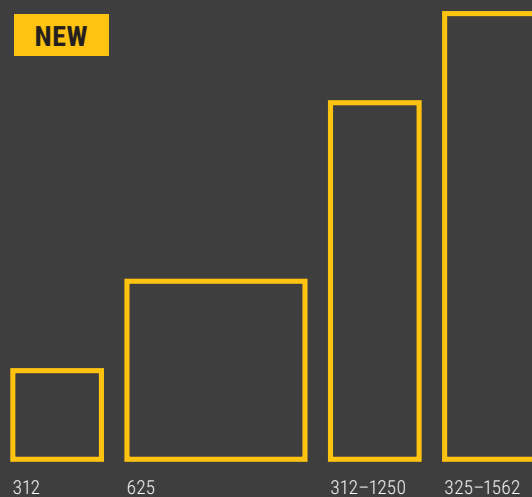
- Industrial workplaces exposed to moisture
- Workshops
- Work areas exposed to dust
- Storage rooms, cellar & laundry rooms
- Hospitals, healthcare facilities



Lay-in and recessed luminaires

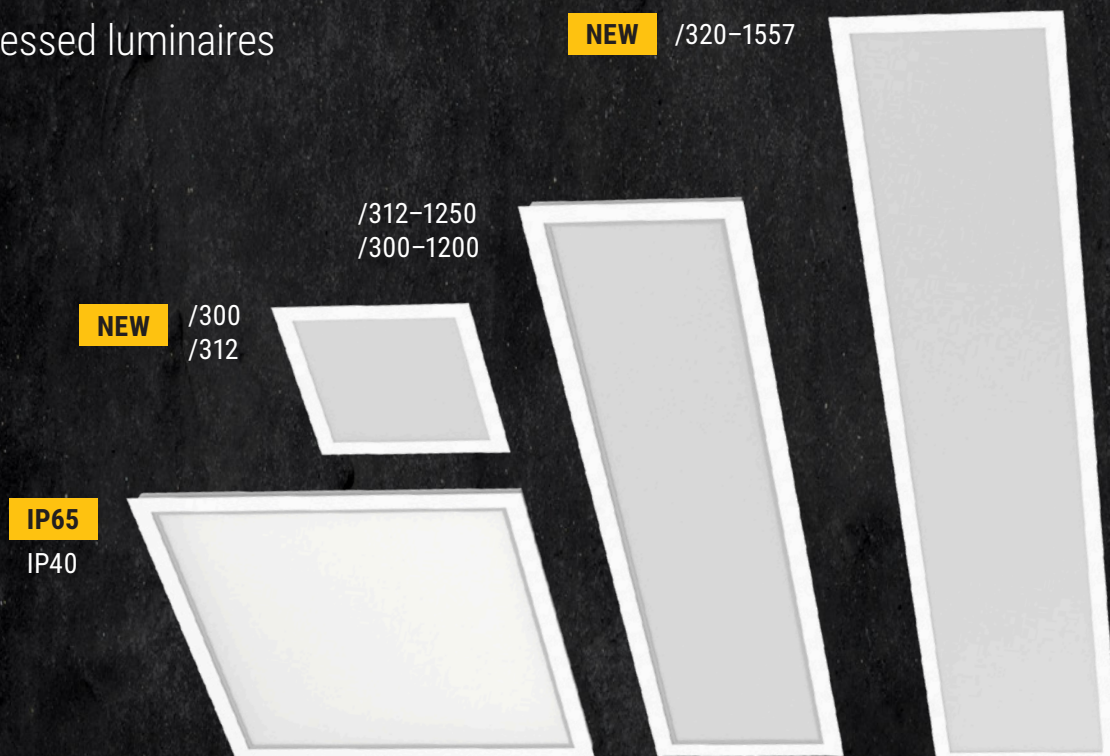


Surface-mounted luminaires



lowea

Recessed luminaires



New options:

Suspended mounting with accessories (for 300 x 1200 mm)



NEW

New accents with recessed installation frame

New options in the design of suspended ceilings with the design frame. Discreet and glare-free light effect for IP40 recessed frame 600/625.



Your mounting options for recessed luminaires

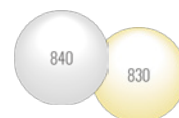
With our accessories, a wide variety of installation paths are no challenge, even for recessed luminaires.



Select two light colours as required: CCT2

CCT stands for Controlled Colour Temperature.

For lowea luminaires with CCT2 function, 2 colour temperatures can be selected via a switch.



NEW lowea IP65 room-side



- Twin-layer diffuser made of non-yellowing PMMA
- Smooth surfaces for optimum cleaning results
- Glare-free even at the highest power levels $UGR \leq 19$
- Suitable for VDU workstations, even for environments with dirt and moisture exposure

Surface-mounted luminaires



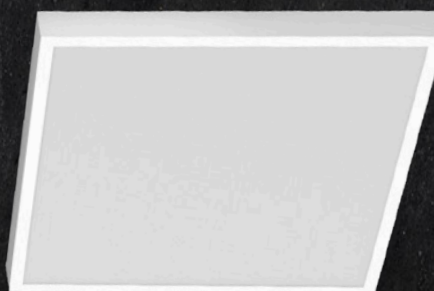
NEW /325-1562



NEW /312-1250

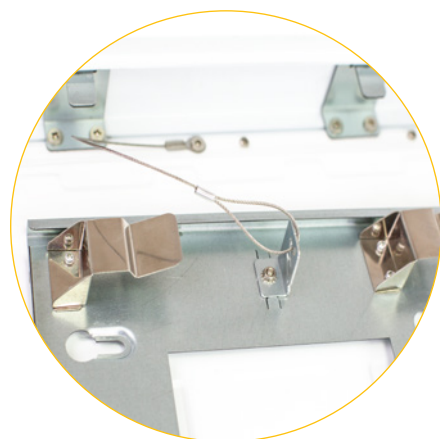


NEW /312



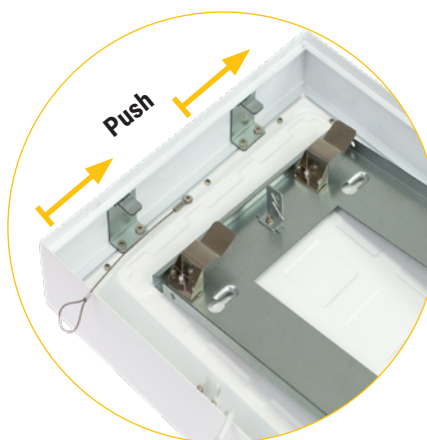
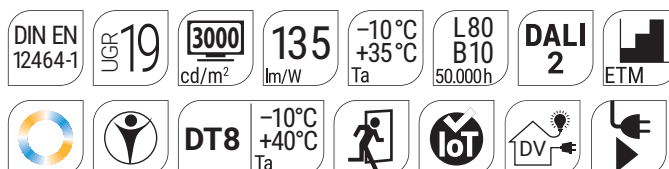
NEW /625

Complete surface-mounted lights – ready to install



To make things even easier:
Integrated suspension safety device
as an installation aid

Facts & features for the lowea luminaire family



Easy to install with mounting plates and
push spring lock for all luminaire sizes

lowea



☒ Motivation
☒ Focus
☐ Excuses
☒ Dedication

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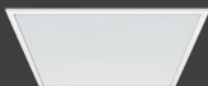
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ALL INSTALLATION TYPES AT A GLANCE

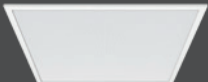
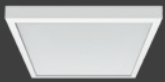
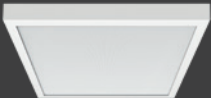
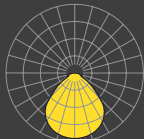
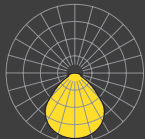
Mounting/ Installation		Dimensions	Mounting accessories		
Lay-in	▶	600/625, 1200/1250	without accessories		
	▶	600/625	Design lay-in frame, deep	LO-ERT	
Recessed	▶	600/625	Design recessed frame, deep	LO-ERAD	
	▶	600/625	Installation frame (IP40 + IP65)	LO-ER	
	▶	312/1250/1557	Standard installation spring set	LO-ES	
Surface-mounted	▶	600/625, 1200	Surface-mounting frame	LO-AR	
	▶	600/625	Surface-mounting frame set	LO-ARS	
	▶	all	Complete system		
Pendant	▶	1200	Pendant frame set	LO-HR	



Type	lowea-LOEMP/312	lowea-LOEMP/600 lowea-LOEMP/625	lowea-LOEMP/300-1200 lowea-LOEMP/312-1250 lowea-LOEMP/320-1557
	 NEW		 NEW
Type of installation	Lay-in installation	Recessed mounting, lay-in installation, ceiling surface mounting	Lay-in installation, recessed mounting, ceiling surface mount- ing, suspended mounting
Lighting technology	Microprismatic diffuser	Microprismatic diffuser	Microprismatic diffuser
Light distribution	Direct distribution	Direct distribution	Direct distribution
Lum			
Housing colour	traffic white RAL 9016	traffic white RAL 9016	traffic white RAL 9016
Certification mark	   		
UGR 4H/8H	UGR ≤ 18-22	UGR ≤ 18-20	UGR ≤ 17-20
IP protection category	IP 40/20	IP 40/20	IP 40/20
Impact resistance IK	IK02 (-10°C to 35°C)	IK02 (-10°C to 35°C) IK02 (-10°C to 40°C) IK02 (5°C to 25°C)	IK02 (-10°C to 35°C)
Ambient temperature min.	-10 °C	-10 °C, 5 °C	-10 °C
Ambient temperature max.	35 °C	35 °C, 40 °C	35 °C
Installation depth (min.)	 Ed 145,  min. Ed 115	 Ed 145,  min. Ed 115	 Ed 145,  min. Ed 115
Cut-out/module dimensions [mm]	295 x 295	623 x 623 (600 x 600) 648 x 648 (625 x 625)	295 x 1220 (312 x 1250) 305 x 1540 (320 x 1557)
LxWxH/DxH [mm]	307 x 307 x 30	595 x 595 x 30 620 x 620 x 30	1195 x 295 x 30 1244 x 308 x 30 1557 x 320 x 30
Luminaire luminous flux [lm]	700-2300	4700-5500	4800-5500
Light colour CCT2	830/840	827-865, 830/840, 840	830/840, 840
Luminous efficiency [lm/W]	121-132	119-136	119-137
LED service life		50000h L80/B10 (Tq 40°C)	50000h L80/B10 (Tq 35°C)
Ballasts	ETM	DALI2, DALI DT8 ETM, ETM NL-B3S	DALI2 ETM
Emergency lighting		3h single battery	

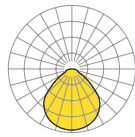
For detailed and current data, please visit www.regiolux.de/en.

Complete surface-mounted luminaires

lowea-LOESMP/600 IP65 lowea-LOESMP/625 IP65	lowea-LOAMP/312	lowea-LOAMP/625	lowea-LOAMP/312-1250 lowea-LOAMP/325-1562
 NEW	 NEW		 NEW
Lay-in mounting, recessed single installation	Ceiling surface mounting	Ceiling surface mounting	Ceiling surface mounting
Twin-layer diffuser	Microprismatic diffuser	Microprismatic diffuser	Microprismatic diffuser
Direct distribution	Direct distribution	Direct distribution	Direct distribution
			
traffic white RAL 9016	traffic white RAL 9016	traffic white RAL 9016	traffic white RAL 9016
 3000  	 3000  		
UGR ≤ 17-19	UGR ≤ 18-22	UGR ≤ 18-20	UGR ≤ 17-20
IP 65/20	IP 40	IP 40	IP 40
IK02 (-10°C to 35°C)	IK02 (-10°C to 35°C)	IK02 (-10°C to 35°C)	IK02 (-10°C to 35°C)
-10 °C	-10 °C	-10 °C	-10 °C
35 °C	35 °C	35 °C	35 °C
 Ed 145  Ed 145  min. Ed 115			
623 x 623 (600 x 600) 648 x 648 (625 x 625)			
595 x 595 x 30 620 x 620 x 30	312 x 312 x 61	625 x 625 x 61	1250 x 312 x 61 1562 x 325 x 61
5200-5300	700-2300	5500	5400-5500
830/840	830/840	830/840	830/840
132-140	121-132	126-136	125-137
50000h L80/B10 (Tq 35°C)	50000h L80/B10 (Tq 35°C)	50000h L80/B10 (Tq 35°C)	50000h L80/B10 (Tq 35°C)
DALI2 ETM	ETM	DALI2 ETM	DALI2 ETM

lowea recessed luminaires

/312 – Diffuser microprismatic direct distribution



UGR $\leq$ 18-22⁴⁾ IP 40/20

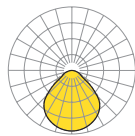


50000h L80/B10 (T_q 35°C)



Type	Configuration	Colour	Ballast	LxWxH/DxH [mm]	lm/W	P _{sys} [W]	Art. No.
lowea-LOEMP/312	LED 2300-700 830/840	vw RAL 9016	ETM	307 x 307 x 30	132-114	6-18	6016 8014 150

/600 – Diffuser microprismatic direct distribution



UGR $\leq$ 18-20⁴⁾ IP 40/20

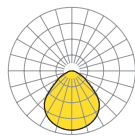


50000h L80/B10 (T_q 35°C)



Type	Configuration	Colour	Ballast	LxWxH/DxH [mm]	lm/W	P _{sys} [W]	Art. No.
lowea-LOEMP/600	LED 5000-3500 840	vw RAL 9016	ETM	595 x 595 x 30	133-128	26-39	6014 4034 150
	LED 5400-3400 830/840	vw RAL 9016	ETM	595 x 595 x 30	139-123	26-41	6014 8034 150
	LED 5400 840	vw RAL 9016	DALI2 ²⁾	595 x 595 x 30	128	39	6014 4036 650
	LED 5400 830/840	vw RAL 9016	DALI2 ²⁾	595 x 595 x 30	133	41	6014 8036 650

/625 – Diffuser microprismatic direct distribution



UGR $\leq$ 18-20⁴⁾ IP 40/20



50000h L80/B10 (T_q 35°C/T_q 40°C)



Type	Configuration	Colour	Ballast	LxWxH/DxH [mm]	lm/W	P _{sys} [W]	Art. No.
lowea-LOEMP/625	LED 5000-3500 840	vw RAL 9016	ETM	620 x 620 x 30	134-128	26-39	6011 4034 150
	LED 5500-3500 830/840	vw RAL 9016	ETM	620 x 620 x 30	144-126	26-40	6011 8034 150
	LED 4700 827-865	vw RAL 9016	DALI DT8 ¹⁾	620 x 620 x 30	119	40	6011 4036 950
	LED 5500 840	vw RAL 9016	DALI2 ²⁾	620 x 620 x 30	128	39	6011 4036 650
	LED 5500 830/840	vw RAL 9016	DALI2 ²⁾	620 x 620 x 30	136	40	6011 8036 650
	LED 5500-3700 840	vw RAL 9016	ETM NL-B3S ³⁾	620 x 620 x 30	144-136	26-40	6011 4037 200
	LED 5500-3700 840	vw RAL 9016	ETM NL-B3 ³⁾	620 x 620 x 30	144-136	26-40	6011 4037 150

¹⁾Luminaires with tunable white technology suitable for Human Centric Lighting (HCL):

²⁾Luminaires suitable for IoT (Internet of Things):

³⁾Luminaires with emergency light unit single battery 3h:

⁴⁾UGR values are dependent on the ETM setting.



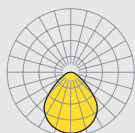
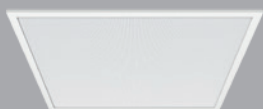
INFORMATION
REGISTRATION



NEW

lowea recessed luminaire /600 /625 **IP65**

/600 /625 – Twin-layer diffuser direct distribution



UGR $\leq$ 17-19⁴⁾ IP 65/20



50000h L80/B10 (T_q 35°C)

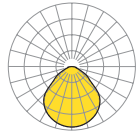
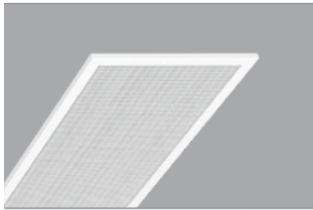


Type	Configuration	Colour	Ballast	LxWxH/DxH [mm]	lm/W	P _{sys} [W]	Art. No.
lowea-LOESMP/600 IP65	LED 5200-3300 830/840	vw RAL 9016	ETM	595 x 595 x 30	140-123	26-40	6024 8034 150
	LED 5200 830/840	vw RAL 9016	DALI2 ²⁾	595 x 595 x 30	132	40	6024 8036 650
lowea-LOESMP/625 IP65	LED 5300-3400 830/840	vw RAL 9016	ETM	620 x 620 x 30	140-123	26-40	6021 8034 150
	LED 5300 830/840	vw RAL 9016	DALI2 ²⁾	620 x 620 x 30	132	40	6021 8036 650

lowea recessed luminaires



/300-1200 – Diffuser microprismatic direct distribution



UGR $\leq 17-20$ ¹⁾ IP 40/20

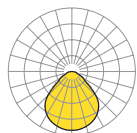
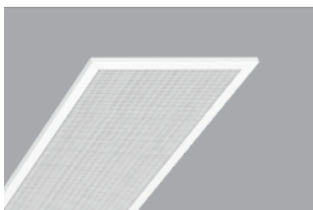


50000h L80/B10



Type	Configuration	Colour	Ballast	LxWxH/DxH [mm]	lm/W	P _{sys} [W]	Art. No.
lowea-LOEMP/300-1200	LED 4800-3400 840	vw RAL 9016	ETM	1195 x 295 x 30	125-119	27-40	6017 4034 150
	LED 5400-3400 830/840	vw RAL 9016	ETM	1195 x 295 x 30	140-125	26-41	6017 8034 150
	LED 4800 840	vw RAL 9016	DALI2 ²⁾	1195 x 295 x 30	119	40	6017 4036 650
	LED 5400 830/840	vw RAL 9016	DALI2 ²⁾	1195 x 295 x 30	135	41	6017 8036 650

/312-1250 – Diffuser microprismatic direct distribution



UGR $\leq 17-20$ ¹⁾ IP 40/20

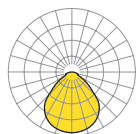


50000h L80/B10 (T_q 35°C)



Type	Configuration	Colour	Ballast	LxWxH/DxH [mm]	lm/W	P _{sys} [W]	Art. No.
lowea-LOEMP/312-1250	LED 5400-3400 830/840	vw RAL 9016	ETM	1244 x 308 x 30	140-125	26-41	6018 8034 150
	LED 5400 830/840	vw RAL 9016	DALI2 ²⁾	1244 x 308 x 30	135	41	6018 8036 650

/320-1557 – Diffuser microprismatic direct distribution



UGR ≤ 19 ¹⁾ IP 40/20



50000h L80/B10 (T_q 35°C)



Type	Configuration	Colour	Ballast	LxWxH/DxH [mm]	lm/W	P _{sys} [W]	Art. No.
lowea-LOEMP/320-1557	LED 5500-3400 830/840	vw RAL 9016	ETM	1557 x 320 x 30	142-129	26-40	6019 8034 150
	LED 5500 830/840	vw RAL 9016	DALI2 ²⁾	1557 x 320 x 30	137	40	6019 8036 650

¹⁾ UGR values are dependent on the ETM setting.

²⁾ Luminaires suitable for IoT (Internet of Things):

Mounting accessories

Surface-mounting frame

Standard frame (one-piece)

LO-AR



Surface-mounting frame set (multi-part)

LO-ARS

Recessed frame

Standard (cut-out ceiling)

LO-ER



Design deep (T-rail system)

LO-ERT



Design deep (cut-out ceiling)

LO-ERAD



Pendant suspension

Hanging frame set

LO-HR



Accessories	Type	Colour	Material	Details	Art. No.	
Ceiling attachment	LO-AR 300	vw RAL 9016	St	Surface-mounting frame for lowea LOEMP 300x1200 for ETM/DALI	6017 0005 100	1
	LO-AR 600/625	vw RAL 9016	St	Universal surface-mounting frame for lowea 600 and 625 for ETM/DALI; with the exception of B3 and DT8 variants	6011 0005 100	1
	LO-ARS 625	vw RAL 9016	Aluminium	Mounting frame set for lowea 625	6011 0006 100	1
	LO-ARS 600	vw RAL 9016	Aluminium	Mounting frame set for lowea 600	6014 0006 100	1
	LO-ER 625	vw RAL 9016	Aluminium	Mounting frame for lowea 625	6011 0003 100	1
	LO-ER 600	vw RAL 9016	Aluminium	Mounting frame for lowea 600	6014 0003 100	1
	LO-ERAD 625	vw RAL 9016	Aluminium	Installation frame for cut-out ceilings for lowea 625	6011 0008 100	1
	LO-ERAD 600	vw RAL 9016	Aluminium	Installation frame for cut-out ceilings for lowea 600	6014 0008 100	1
	LO-ERT 625	vw RAL 9016	Aluminium	Installation frame for visible T-rails 625	6011 0007 100	1
	LO-ERT 600	vw RAL 9016	Aluminium	Installation frame for visible T-rails 600	6014 0007 100	1
	LO-HR 300	vw RAL 9016	St	Hanging frame set for lowea 300x1200	6017 0004 100	1
Fastening bracket	LOE-ES 312	me	St	Installation spring set for lowea 312 with cut-out ceilings	6018 0003 100	1
Feed-through wiring box	DV-BOX ET/ETM	sw RAL 9005	Mix	DV-BOX ET/ ETM for lowea, panella, loda, scota, relo, tevi and changy	7991 0001 100	1

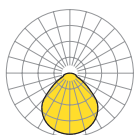




NEW

Surface-mounted lights (complete luminaires)

/312 – Diffuser microprismatic direct distribution



UGR $\leq$ 18–22¹⁾

IP 40

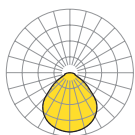


50000h L80/B10 (T_q 35°C)



Type	Configuration	Colour	Ballast	LxWxH/DxH [mm]	lm/W	P _{sys} [W]	Art. No.
lowea-LOAMP/312	LED 2300-700 830/840	vw RAL 9016	ETM	312 x 312 x 61	132-114	6-18	6086 8014 150

/625 – Diffuser microprismatic direct distribution



UGR $\leq$ 18–20¹⁾

IP 40

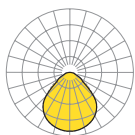
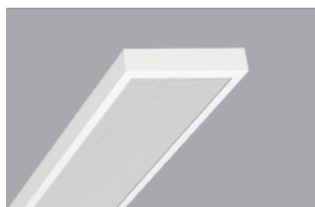


50000h L80/B10 (T_q 35°C)



Type	Configuration	Colour	Ballast	LxWxH/DxH [mm]	lm/W	P _{sys} [W]	Art. No.
lowea-LOAMP/625	LED 5500-3500 830/840	vw RAL 9016	ETM	625 x 625 x 61	144-126	26-40	6081 8034 150
	LED 5500 830/840	vw RAL 9016	DALI2 ²⁾	625 x 625 x 61	136	40	6081 8036 650

/312-1250, /325-1562 – Diffuser microprismatic direct distribution



UGR $\leq$ 17–20¹⁾

IP 40



50000h L80/B10 (T_q 35°C)



Type	Configuration	Colour	Ballast	LxWxH/DxH [mm]	lm/W	P _{sys} [W]	Art. No.
lowea-LOAMP/312-1250	LED 5400-3400 830/840	vw RAL 9016	ETM	1250 x 312 x 61	140-125	26-41	6088 8034 150
	LED 5400 830/840	vw RAL 9016	DALI2 ²⁾	1250 x 312 x 61	135	41	6088 8036 650
lowea-LOAMP/325-1562	LED 5500-3400 830/840	vw RAL 9016	ETM	1562 x 325 x 61	142-129	26-40	6089 8034 150
	LED 5500 830/840	vw RAL 9016	DALI2 ²⁾	1562 x 325 x 61	137	40	6089 8036 650

¹⁾ UGR values are dependent on the ETM setting.

²⁾ Luminaires suitable for IoT (Internet of Things):



NETLIFE LIGHT CONTROL

Light control systems offer further potential savings, particularly by reducing energy consumption by up to 80 %. By using daylight, motion and presence sensors, the lighting can be controlled as appropriate for the needs, which reduces operating costs.



This is what control can do:

- » Motion detection
- » Orientation light function
- » Daylight control
- » Timer
- » Dim
- » Scenes
- » Switching

Expansion stages



Stand-alone systems



Configurable radio systems



Programmable systems

Flexible with netlife light control



Refurbishment

Simple light control without additional installation effort, without gateway or construction work



Expansion

Configure single luminaires easily and conveniently via Bluetooth Mesh and app and set up a network



Conversion

Refurbishment, expansion and upgrading or conversion can be carried out with a great deal of flexibility and tailored to needs

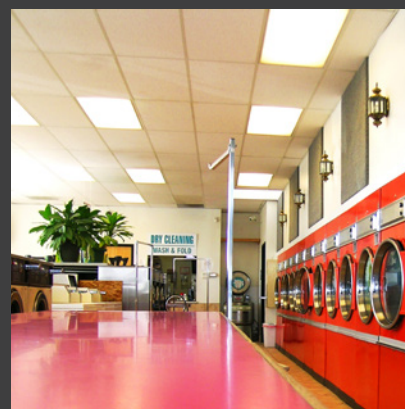


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