

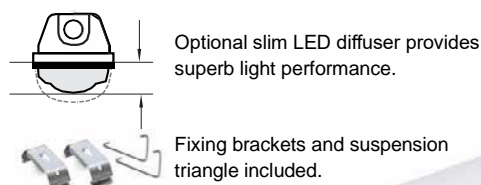
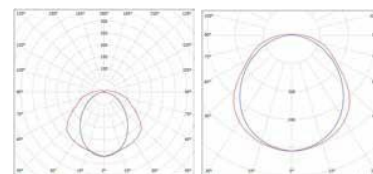
THE ENERGY-EFFICIENT LOW BAY LED LUMINAIRE Gamma






Models: ZL-EN2/1L/2200, ZL-EN2/1L/4000, ZL-EN4/1L/4400,
ZL-EN4/1L/8000, ZL-EN5/1L/5500, ZL-EN5/1L/10000

AS POWERFUL AND EFFICIENT AS LOW BAYS CAN GET!

Gamma LED ZL is an ultra-efficient low bay LED luminaire. Manufactured from EU-made parts, this extraordinary product sets an industry standard with a system power up to 75W. The system features outstanding thermal characteristics, and can be utilised in temperatures up to + 50°C. Different housing materials and diffuser options are available depending on application purposes. The combination of polycarbonate housing and frosted PC diffuser is ideal for parking lots and other public spaces (protection level IK08). The combination of GRP (glass fibre reinforced polyester) housing and PMMA (Acrylic) diffuser is ideal for industries dealing with chemical substances. Gamma LED ZL is UV-resistant.

Good to know: If equipped with a SLIM diffuser, Gamma LED ZL can be mounted as high as 8 meters off the ground.



				
LED	IP66	DALI (optional)	EM (optional)	

GENERAL TECHNICAL SPECIFICATIONS	
Supply Voltage	220-240V AC
Supply Frequency	50-60 Hz
RFI Suppression	EN 55015 / CISPR 15
Immunity	EN 61547
Harmonics	EN 6100-3-2
Operating Temperature	-35 - +50 °C
Storage Temperature	-40 - +60 °C
Housing Material	PC (Glass fibre reinforced polyester optional)
Diffuser	Frosted PC (frosted PMMA optional)
Gear Tray	Pre-painted steal 0.5 mm
Water and Dust Resistance	IP66
Impact Resistance	IK05 or IK08
Protection class IEC	Safety class I

Number of LED modules	1-3
Lamp Family Code	Philips Fortimo
Light colour K	3000, 4000 or 5000
Colour Rendering Index	> 80 or > 90
Min Useful Life	See next page
Driver /power unit/	Philips Xitanium
Flickering	IEEE 1789
Power Factor (full load at 230V)	> 0.90
Driver efficiency	> 90%
Dimmable	Optional
Emergency Pack	Optional
System Wattage	up to 75 W
LED module efficiency (max)	up to 173 lm/W
Lumen output of LED modules (max)	up to 12.019 lm
Fire protection	Flammability (UL94): V2 Glow wire test (EN 60695-2-11): 850°

* Only with Xtr drivers. Otherwise from -20 to +40 °C. Operating Temperature limitations for EM/P/S options see in next page.

GENERAL TECHNICAL SPECIFICATIONS

EAN	Ref.	Wattage	LED module efficiency (max)	Lumen output of LED modules (max)	Min useful life L80B50	Available Options	Dimensions (mm)*		Optimum Working Height
							L	D	
4772049000452	ZL-EN2/1L/2200	up to 15W	173 lm/W	2.582 lm	55.000 hours at Ta 25C° 35.000 hours at Ta 50C°	M/P/S	660	390	2 - 5 m
4772049000469	ZL-EN2/1L/4000	up to 25W	166 lm/W	4.054 lm	94.000 hours at Ta 25C° 41.000 hours at Ta 50C°	M/P/S			
4772049000476	ZL-EN4/1L/4400	up to 35W	168 lm/W	5.877 lm	55.000 hours at Ta 25C° 35.000 hours at Ta 50C°	EM/M/P/S	1277	800	2 - 8 m
4772049000483	ZL-EN4/1L/8000	up to 65W	159 lm/W	9.871 lm	94.000 hours at Ta 25C° 41.000 hours at Ta 50C°	EM/M/P/S			
4772049000490	ZL-EN5/1L/5500	up to 45W	167 lm/W	7.514 lm	55.000 hours at Ta 25C° 35.000 hours at Ta 50C°	EM/M/P/S	1573	1100	2 - 8 m
4772049000506	ZL-EN5/1L/10000	up to 65W	168 lm/W	10.963 lm	94.000 hours at Ta 25C° 41.000 hours at Ta 50C°	EM/M/P/S			
4772049000513	ZL-EN5/1L/10000	up to 75W	160 lm/W	12.019 lm	94.000 hours at Ta 25C° 41.000 hours at Ta 50C°	M/P/S	1573	1100	2 - 8 m

* without sensor and standard diffuser

EAN	Additional options	Ref.
4772049001794	Microwave (-20 - +40 °C)	M
Multiple selection	PIR Sensor (-10/-30 - +35 °C)	P
Multiple selection	PIR and Light Sensor (-10/-30 - +35 °C)	S
4772049001039	Emergency Pack 3h (1h optional)*	EM

* Emergency pack not available with 75W model.

** There is a possibility to order ready-to-use luminaries with desired length of cable installed.



EMERGENCY PACKS

TrustSight LED 40-80mA 2.6W (1 battery)	1 hour
TrustSight LED 40-80mA 2.6W (2 batteries)	3 hours
Operating Temperature	0 - +30 °C



OHSAS 18001

BUREAU VERITAS

