

LED Integrated Bulkhead



Product information

A simple and elegant light fitting, designed with Integrated LED Light Module and dedicated optic, both for interior and exterior applications. The Integrated Bulkhead range offers a comprehensive choice of versions including two sizes, opal diffuser and optional sensor function. It is a wall and ceiling LED luminaire that can be utilised in versatile application ranges including damp environments, entrance halls, receptions, stairwells, corridors, circulation routes, rest areas and outside walls of buildings.

Features

- High protection rating (IP65) and high impact resistance (IK10) make integrated LED bulkhead the ideal solution in challenging ambient conditions
- 3 colour temperatures: 3000, 4000 and 6500K
- Wide beam angle of 125 degree
- 60 000 hours lifetime (L70B50) @ 25°C and 45 000 hours lifetime (L70B50) @ 40°C
- Available in 3 sizes: 250, 300 and 330mm
- Suitable for operation in ambient temperature of -30°C to +40°C, for Integrated EM versions -30°C to +25°C
- Static built-in driver
- High efficiency up to 106 lm/W
- PF >0,9
- THD < 30%
- Operating frequency: 50-60Hz
- Nominal Voltage: 220-240V
- Insulation Class II
- Available with integrated motion and daylight sensor, sensor is adjustable for hold time (5s – 15mins), detection area (10 - 100%) and daylight sensing (disable – 50lux)– see details on adjustment option in the install guide
- Option to group fixtures for on/off control – see details in the install guide
- Available with 3hrs Integrated Emergency version

Benefits

- Energy savings of up to 60% (compared to luminaires that use 2D fluorescent lamps)
- Integrated light module with optic
- Uniform light
- Fast, simple and easy installation options
- Lasts ~4x longer than typical CFL bulkhead fixture

Structures and materials

Body / Diffuser / Bezel: impact resistant, self-extinguishing, UV stabilized polycarbonate
Body color: white

Optical and LED specification

- Min 80 CRI
- No-flickering integrated driver
- Opal diffuser options

Application areas



General lighting



Retail



Office



Education



Outdoor

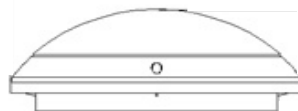
Specification summary

Product Code	Product Code DS	Description	Wattage (W)	Lumen (lm)	Efficacy (lm/W)	CCT (K)	CRI	Current (mA)	Control / Feature	Replacement for CFL 2D	Dimension (mm)	Weight (kg)
Ø250 mm												
93107549	93103697	LED Bulkhead G1 TU D25 9W 830 S NNN	9	855	95	3000	>80	42	Standard	1x16W	Ø250 x 102	0.69
93107551	93103699	LED Bulkhead G1 TU D25 9W 840 S NNN	9	855	95	4000	>80	42		Ø250 x 102	0.69	
93107553	93103701	LED Bulkhead G1 TU D25 17W 830 S NNN	17	1600	94	3000	>80	84		1x28W	Ø250 x 102	0.70
93107555	93103703	LED Bulkhead G1 TU D25 17W 840 S NNN	17	1600	94	4000	>80	84	motion and daylight sensor		Ø250 x 102	0.70
93107550	93103698	LED Bulkhead G1 TU D25 9W 830 S NNM	9	855	95	3000	>80	42		1x16W	Ø250 x 102	0.74
93107552	93103700	LED Bulkhead G1 TU D25 9W 840 S NNM	9	855	95	4000	>80	42			Ø250 x 102	0.74
93107554	93103702	LED Bulkhead G1 TU D25 17W 830 S NNM	17	1600	94	3000	>80	94		1x28W	Ø250 x 102	0.75
93107556	93103704	LED Bulkhead G1 TU D25 17W 840 S NNM	17	1600	94	4000	>80	94			Ø250 x 102	0.75
Ø300 mm												
TBD	TBD	LED Bulkhead G1 TU D30 17W 830 S NNN	17	1600	94	3000	>80	84	Standard	1x28W	Ø300 x 109	1.00
TBD	TBD	LED Bulkhead G1 TU D30 17W 840 S NNN	17	1600	94	4000	>80	84			Ø300 x 109	1.00
93107557	93103705	LED Bulkhead G1 TU D30 25W 830 S NNN	25	2400	96	3000	>80	120		1x38W	Ø300 x 109	1.00
93107558	93103706	LED Bulkhead G1 TU D30 25W 840 S NNN	25	2400	96	4000	>80	120	motion and daylight sensor		Ø300 x 109	1.00
TBD	TBD	LED Bulkhead G1 TU D30 17W 830 S NNM	17	1600	94	3000	>80	94		1x28W	Ø300 x 109	1.05
TBD	TBD	LED Bulkhead G1 TU D30 17W 840 S NNM	17	1600	94	4000	>80	94			Ø300 x 109	1.05
93107559	93103707	LED Bulkhead G1 TU D30 25W 830 S NNM	25	2400	96	3000	>80	130		1x38W	Ø300 x 109	1.05
93107560	93103708	LED Bulkhead G1 TU D30 25W 840 S NNM	25	2400	96	4000	>80	130			Ø300 x 109	1.05
93108100	TBD	LED Bulkhead G1 TU D30 24W 830 S EMN	24	2150	90	3000	>80	94	Emergency	1x38W	Ø300 x 109	1.20
93108101	TBD	LED Bulkhead G1 TU D30 24W 840 S EMN	24	2150	90	4000	>80	94			Ø300 x 109	1.20
93108102	TBD	LED Bulkhead G1 TU D30 24W 830 S EMM	24	2150	90	3000	>80	145	Emergency + motion and daylight sensor	1x38W	Ø300 x 109	1.25
93108103	TBD	LED Bulkhead G1 TU D30 24W 840 S EMM	24	2150	90	4000	>80	145			Ø300 x 109	1.25
Ø330 mm												
93100223	TBD	LED Bulkhead G1 TU D33 9W 840 S NNN	9	950	106	4000	>80	42	Standard	1x16W	Ø330 x 109	1.03
93100222	TBD	LED Bulkhead G1 TU D33 17W 840 S NNN	17	1800	106	4000	>80	84		1x28W	Ø330 x 109	1.03
93100225	TBD	LED Bulkhead G1 TU D33 9W 840 S NNM	9	950	106	4000	>80	55	motion and daylight sensor	1x16W	Ø330 x 109	1.08
93100224	TBD	LED Bulkhead G1 TU D33 17W 840 S NNM	17	1800	106	4000	>80	94		1x28W	Ø330 x 109	1.08
93102254	TBD	LED Bulkhead G1 TU D33 11W 840 S EMN	11	950	86	4000	>80	55	Emergency	1x16W	Ø330 x 109	1.20
93102253	TBD	LED Bulkhead G1 TU D33 19W 840 S EMN	19	1800	95	4000	>80	92		1x28W	Ø330 x 109	1.20
93102256	TBD	LED Bulkhead G1 TU D33 12W 840 S EMM	12	950	79	4000	>80	65	Emergency + motion and daylight sensor	1x16W	Ø330 x 109	1.25
93102255	TBD	LED Bulkhead G1 TU D33 20W 840 S EMM	20	1800	90	4000	>80	102		1x28W	Ø330 x 109	1.25

Specifications

Input Voltage [V]	220-240
Input Frequency [Hz]	50/60
Control	Static, built-in driver
Operating Temperature Range	-30°C to +40°C / -30°C to +25°C for EM versions
IP Rating	IP65
IK Rating	IK10
Power Factor	>0.9

Dimensions (mm)



Range	Diameter	Height
D25	Ø250mm	102mm
D30	Ø300mm	109mm
D33	Ø330mm	109mm

Regulatory and standards

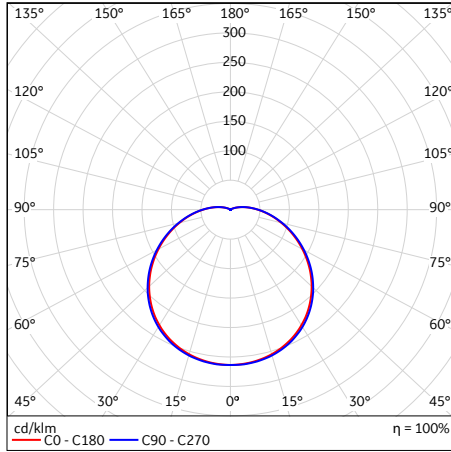
Regulatory mark: CE

Regulations: 2014/35/EU, 2014/30/EU, 2011/65/EU, (framework 2009/125/EC) EU/1194/2012 amended by EU 2015/1428, (framework 2010/30/EC) 874/2012 and 518/2014*, 2012/19/EU*

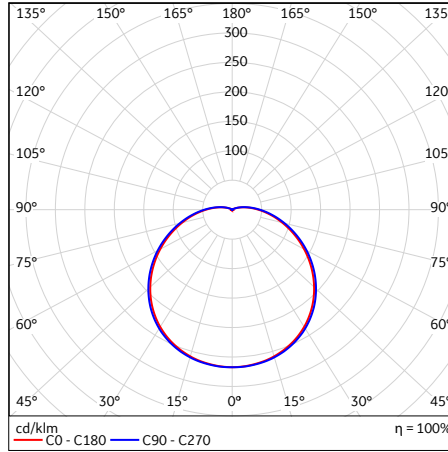
Harmonized standards: EN 60598, EN 62493, EN 61547, EN55015, EN 61000, look for CE Declaration of Conformity and Technical File for details

*not on DOC

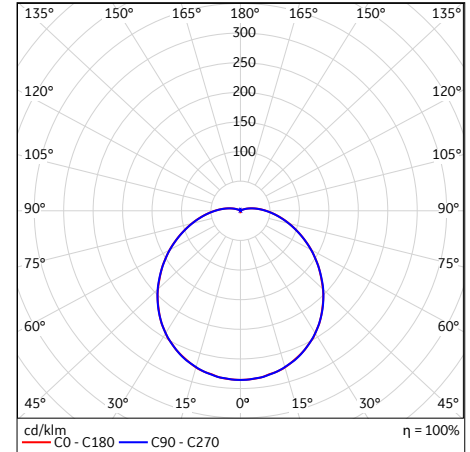
Photometric data



Ø250 9W



Ø250 17W



Ø300 25W

Photometry is based on LM79

Order logic

Internal Code	Gen.	Brand	Diameter	System Wattage	CRI	CCT	Control	Emergency option	Motion Sensor	Shipment
LED Bulkhead	G1 - Generation 1	TU - Tungsram	D33 - 330mm	9W 11W 12W	8 - 80	30 - 3000K	S - Static	EM - Integrated Emergency NN - No Emergency	M - Motion Sensor N - No Sensor	DS - Direct Shipment
			D30 - 300mm	17W 19W 20W		40 - 4000K				
			D25 - 250mm	24W 25W		65 - 6500K				

Example: LED Bulkhead G1 TU D25 25W 830 S NNN

9W 3000K Bulkhead, Static, 220-240V built-in driver, standard version without sensor and emergency, 250mm diameter