

General characteristics

Family name	Sphere
Luminaire type	LED bulkhead with sensor
Integrated driver	Yes
LED manufacturer	San'an
Installation options	On surface
Intelligent control	Sensor with stand-by function.
Certificates	CE, RoHS
Warranty	2 years
Materials	PMMA, Steel

Rated parameters

Rated power	12W
Rated luminous flux	650lm
Rated lifetime	50 000h
Rated luminous intensity	498cd
Rated beam angle	120°

Light technical characteristic

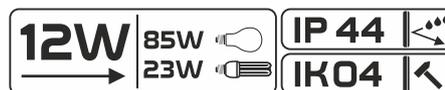
Luminaire luminous flux	650lm
Luminous efficacy	55lm/W
Color temperature	4000K
CRI	>80
Beam angle	120°
Color consistency	<6SDCM

Electrical characteristics

Wattage	12W
Replaces*	85W
Voltage	220-240V
Voltage frequency	50-60Hz
Power factor	>0,9
Energy efficiency label	A+

Operating characteristics

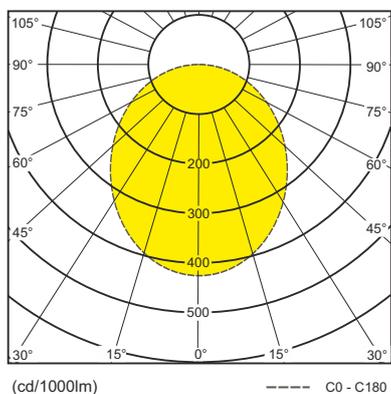
Lifetime	50 000h
Switching cycle	>100 000
LLMF	>0,7
IP	44
Warm up time	negligible
Starting time	<0,5s
Working temperature	from -20° to 50°C
Storage temperature	from -25° to 85°C



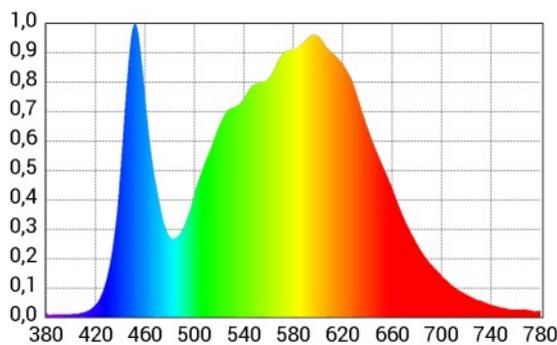
index	power	replaces*	luminous flux	beam angle	IP	weight net/gross	luminaire dimensions	packaging dimensions
LO1241NDS	12W	85W	650lm	120°	44	0,4kg/0,67kg	ø255xH90mm	L280xW280xH95mm

*compared to bulkheads with incandescent bulbs

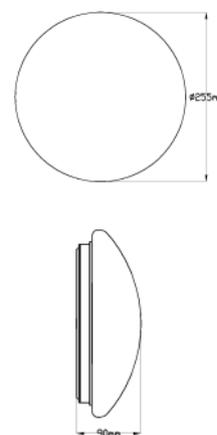
Photometric solid



Spectrum for CCT: 4000K



Technical drawings



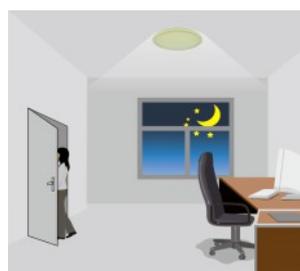
Sensor functions



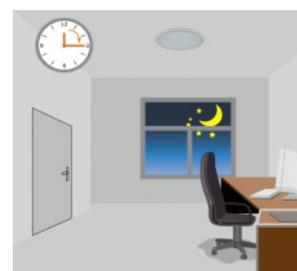
- With ambient light more than daylight threshold, the lamp does not switch on when someone enters the room.



- With ambient light less than daylight threshold, the lamp will be on 100% when someone enters the room.



- People left, light dims to 20% (optional) stand-by level after hold time.



- Light switches off automatically after the stand-by period elapsed.

Sensor settings

		1	2	
	I	●	●	100%
	II	○	●	75%
	III	●	○	50%
IV	○	○	10%	

Detection Range

Detection distance can be set with different combinations of DIP switches to precisely fit for each specific application.

		3	4	
	I	●	●	10S
	II	○	●	90S
	III	●	○	3min
IV	○	○	10min	

Hold Time

Hold Time means the time period you would like to keep the lamp on 100% after the person has left the detection distance.

		5	6	
	I	●	●	2000Lux
	II	○	●	50Lux
	III	●	○	15Lux
IV	○	○	5Lux	

Daylight sensor

The LUX value can be set on DIP switches in order to fit different ambient light.

		7	8	
	I	●	●	0S
	II	○	●	30S
	III	●	○	10min
IV	○	○	+∞	

Stand-by Period

This time period you would like to keep at the low light output level before it is completely switched off in the long absence person.

Note: " +∞ " means fixture keeps on stand-by dimming level and never switches off. "0s" means no dimming function