

PLUS ONE / PLUS ONE SQ

NEW



SPECIFICATIONS

base code	PLUS ONE: 64069 - PLUS ONE SQ: 64070
typology	Invisible dot hiding a powerful minimal glare downlight with symmetrical or wallwasher light distribution
mounting	In wood or composite material from above the ceiling using height adjustable brackets or in plasterboard from below the ceiling using mounting frame to be separately ordered
width	100 mm / 3.9"
height	Millwork: 45 mm / 1.8". Plasterboard: 39 mm / 1.5"
required depth	Millwork: 50 mm / 2". Plasterboard: 45 mm / 1.8"
cealing cut out	Platerboard: 110x110 mm / 4.3x4.3". Millwork read the installation manual
construction	Fixture and flange: turning and milling aluminum. Lens: PMMA. Cap: polycarbonate
finishes	Heat sink anodized
ingress protection	IP40 or IP65. North America: damp or wet location. Wallwasher: IP30. North America: dry location
lamp type	LED array on printed circuit board. Remote power supply not included
lamp wattage	10W at 24V DC. For Yacht operating voltage 20V-30V. North America, symmetrical beam (20°, 40°), Vf 9V DC: Type Non-IC: 9.5W at 1050 mA. Type IC: 8W at 900 mA. North America, wallwasher, Vf 9V DC: Type Non-IC: 8W at 900 mA. Type IC: 7W at 800 mA
delivered lumens	Symmetrical: 549lm (20°) - 590lm (40°). Wallwasher: 444lm
lumen maintenance	50.000h L90
beam	PLUS ONE: 20°, 40° or wallwasher (downlight 25° and wallwasher). PLUS ONE SQ: 20°, 40°
kelvin	2200K CRI90, 2700K CRI93, 3000K CRI93 or 4000K CRI93 / 3 step MacAdam ellipse
special features	Reverse Polarity Protection. Two Wires Dimming. The wallwasher offers longitudinal cut-off and delivers homogeneous light from the upper edge of the wall to the floor with no visible dark zones
control protocols	0-10V, DMX or DALI
certifications	CE, ETL listed (certified to UL 2108, CSA C22.2)

VISIBLE APERTURE

PLUS ONE



Ø 13 mm / 0.5"

PLUS ONE SQ



Ø 18 mm / 0.7"

WALLWASHER

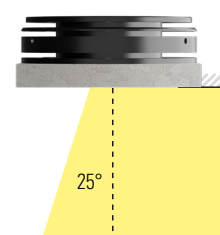


Ø 18 mm / 0.7"

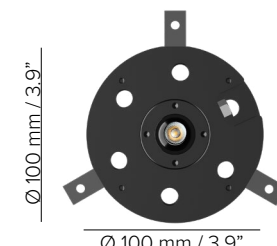
20°, 40° BEAM



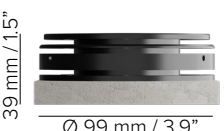
WALLWASHER



MILLWORK



PLASTERBOARD



PLUS ONE

ORDER CODE

BASE CODE

64069

A . POWER SUPPLY

2 24V DC (20V - 30V)
FOR YACHT ONLY
power supply
NOT included



9 24V DC
power supply
NOT included

U listed
700/800/900/1050mA
power supply
NOT included

B . KELVIN

4 4000K CRI93
5 3000K CRI93
8 2700K CRI93
D 2200K CRI90

C . BEAM

2 spot 20°
5 flood 40°
C black
wallwasher



BASE CODE A B C D E F
Example: 64069 2 5 5 2 B A = 64069-2552BA

D . FINISHES

20°, 40°
2 black
6 white¹
RAL 9003
¹WALLWASHER
BEAM ONLY



E . INGRESS PROTECTION

wallwasher
wallwasher
A IP30
20°, 40°
B IP40
C IP65



F . INSTALLATION

A millwork
B plasterboard



PLUS ONE SQ

ORDER CODE

BASE CODE

64070

A . POWER SUPPLY

2 24V DC (20V - 30V)
FOR YACHT ONLY
power supply
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9 24V DC
power supply
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U listed
700/800/900/1050mA
power supply
NOT included

B . KELVIN

4 4000K CRI93
5 3000K CRI93
8 2700K CRI93
D 2200K CRI90

C . BEAM

2 spot 20°
5 flood 40°



BASE CODE A B C D E F
Example: 64070 2 5 5 2 B A = 64069-2552BA

D . FINISHES

2 black
RAL 9005
6 white
RAL 9003



E . INGRESS PROTECTION

B IP40
C IP65



F . INSTALLATION

A millwork
B plasterboard



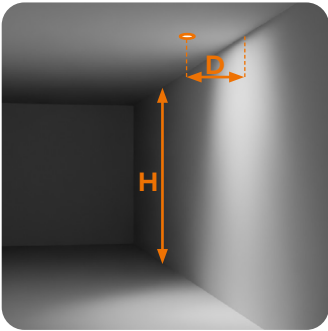
ONLY THE LIGHT: 40° BEAM

INSTALLATION GUIDE FOR WALLWASHER

FOR A GOOD UNIFORMITY OF LIGHT ON THE WALL, FOLLOW THESE RULES:

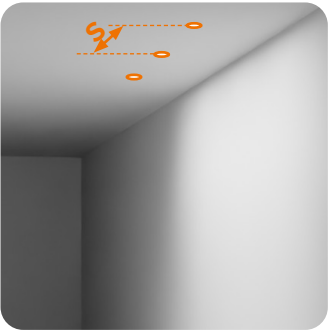
1

The **distance from the wall D** shall be minimum $H / 5$ and maximum $H / 3$



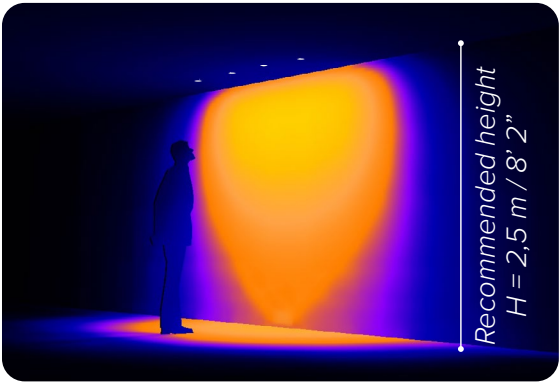
2

The **spacing between luminaires S** shall be minimum the distance **D** from the wall and maximum twice the distance **D x 2** from the wall



PLUS ONE
10W, 500lm delivered

H 2,5 m 8' 2"	D _{MIN}	0,5 m 1' 7"	S _{MIN}	0,5 m 1' 7"
			S _{MAX}	1 m 3' 3"
	D _{MAX}	0,8 m 2' 7"	S _{MIN}	0,8 m 2' 7"
			S _{MAX}	1,6 m 5' 3"



20lx 50lx 100lx 200lx

WALLWASHER OPTIONS

FOR DIFFERENT CEILING HEIGHTS



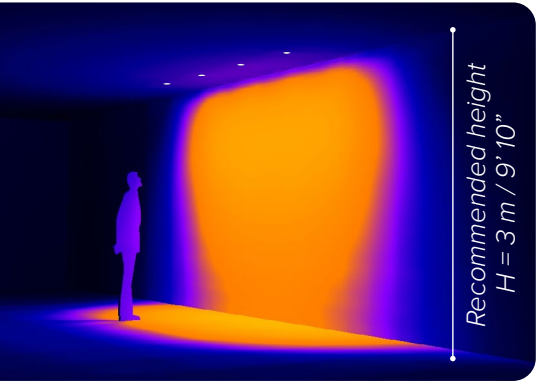
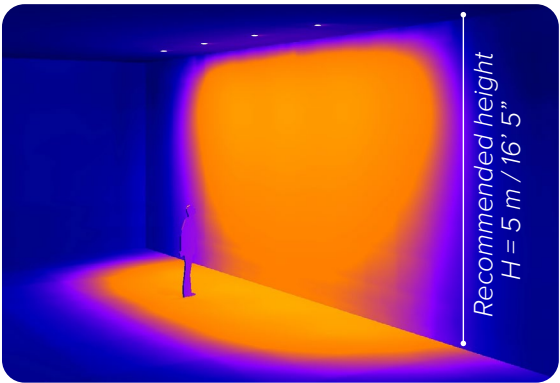
INSIDE 120 R
23W, 2025lm delivered

SEE PAGE 401



ATRIA X3 R
23W, 2025lm delivered

SEE PAGE 473



INSIDE 75 R
10W, 790lm delivered

SEE PAGE 387



ATRIA XS R
10W, 790lm delivered

SEE PAGE 451



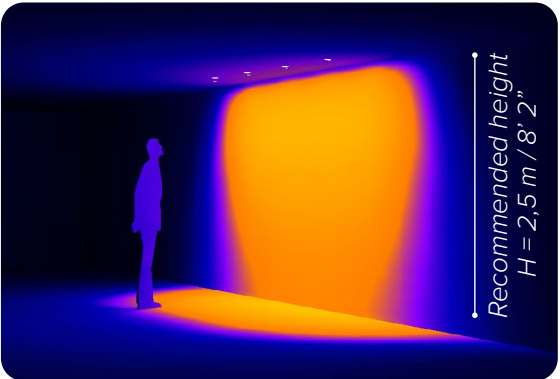
INSIDE 60 R
6W, 570lm delivered

SEE PAGE 381



ATRIA 60 P
6W, 570lm delivered

SEE PAGE 79



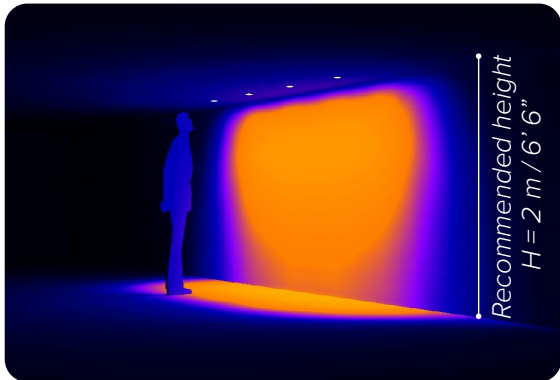
INSIDE 40 R
4W, 220lm delivered

SEE PAGE 381



DOT 45
4W, 220lm delivered

SEE PAGE 437



DOT 30
1,5W, 40lm delivered

SEE PAGE 431



20lx 50lx 100lx 200lx

Since every project is different, use this installation guide as a starting point for your lighting design.
To further test the desired effect on your project, use the **photometric files** available on B LIGHT's website.



ALONG THE WALLS: WALLWASHER BEAM (DOWNLIGHT 25° AND WALLWASHER)
CENTER OF THE ROOM: 40° BEAM

PLUS ONE / PLUS ONE SQ



MOUNTING

MILLWORK

- 1 CEILING CUT OUT**
Make the cut out on the ceiling
(*READ INSTALLATION INSTRUCTIONS*)



- 2 LUMINAIRE MOUNTED FROM ABOVE THE CEILING**
Using brackets

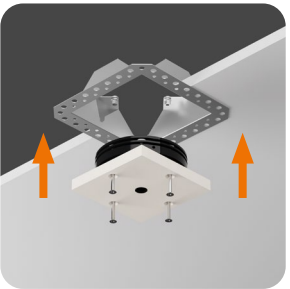


- 3 MAINTENANCE**
Remove luminaire from above the ceiling

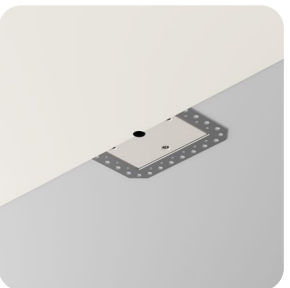


PLASTERBOARD

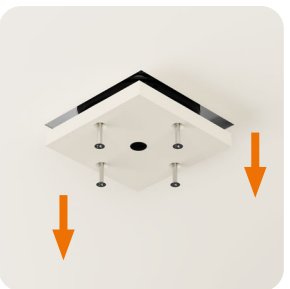
- 1 CEILING CUT OUT**
Mount the luminaire from below the ceiling.
Use mounting frame code 69558.
(*READ INSTALLATION INSTRUCTIONS*)



- 2 PLASTER, SAND AND PAINT**

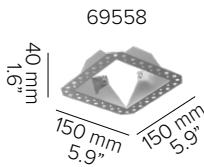


- 3 MAINTENANCE**
Cut the plaster and remove the luminaire by removing the screws



ACCESSORIES

REQUIRED ACCESSORIES - NOT INCLUDED



Power supply
24V DC*, ON/OFF

Power supply
24V DC*, DALI

Power supply
24V DC*, 0-10V

Class 2 power supply
700 mA
800 mA
900 mA
1050 mA



code	description				dimensions mm		
69558	mounting frame for plasterboard				L150xW150xH40		
code	output power	input voltage	frequency	IP	dimensions mm	through cut out	
69041	18W	198-264V	50-60Hz	IP20	L124xW42xH30	NO	
69054	60W	90-305V	50-60Hz	IP67	L160xW40xH32	NO	
69052	100W	90-264V	50-60Hz	IP20	L200xW69xH35	NO	
69220	120W	90-305V	47-63Hz	IP65	L191xW63xH38	NO	
69215	60W	90-305V	47-63Hz	IP65	L150xW53xH35	NO	

Consult **B LIGHT North America**
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