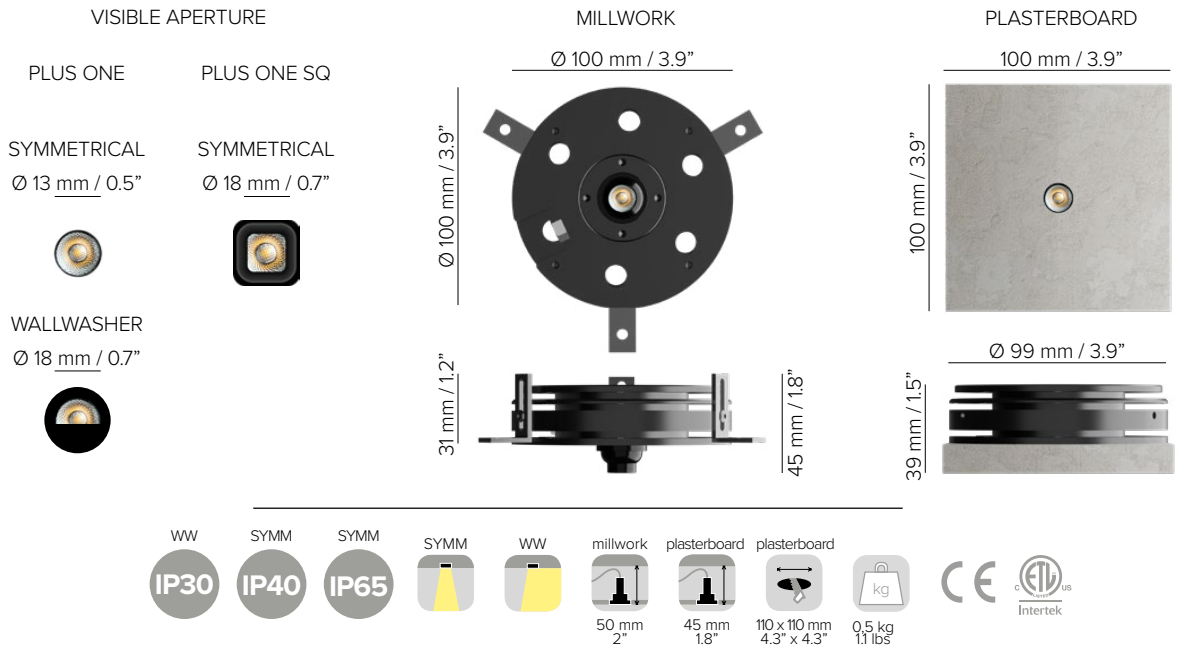


# PLUS ONE / PLUS ONE SQ

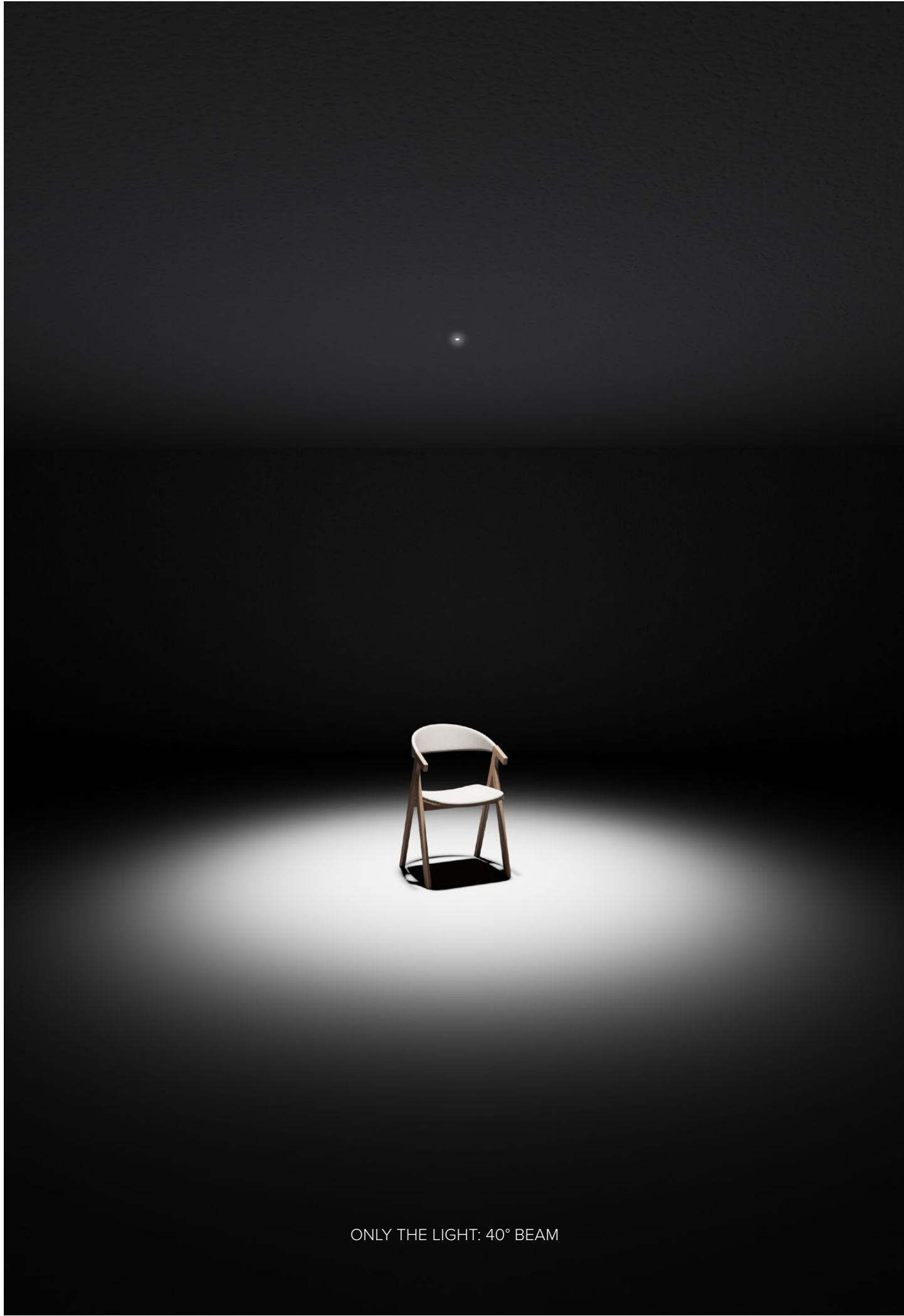


## SPECIFICATIONS

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	Wallwasher: IP30. North America dry location Symmetrical: IP40 or IP65. North America damp or wet 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: <b>Type Non-IC:</b> 9.5W at 1050 mA. <b>Type IC:</b> 8W at 900 mA. North America, wallwasher, Vf 9V DC: <b>Type Non-IC:</b> 8W at 900 mA, 6.5W at 700 mA (2200K). <b>Type IC:</b> 7W at 800 mA, 6.5W at 700 mA (2200K)
lamp lumens	Symmetrical: 1015lm. Wallwasher: 700lm
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)







ONLY THE LIGHT: 40° BEAM

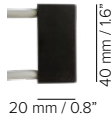
# PLUS ONE

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

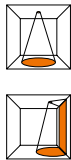


B . KELVIN

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

C . BEAM

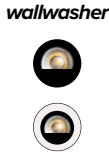
- 2 spot 20°
- 5 flood 40°
- C black  
wallwasher



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

D . FINISHES

- 2 black
- 6 white<sup>1</sup>  
RAL 9003
- <sup>1</sup>WALLWASHER  
BEAM ONLY



E . INGRESS PROTECTION

- wallwasher
- A IP30
- symmetrical
- B IP40
- C IP65

F . INSTALLATION

- A millwork
- B plasterboard



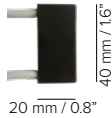
# PLUS ONE SQ

BASE CODE

64070

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°



Example: BASE CODE  
64070 A B C D E F  
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

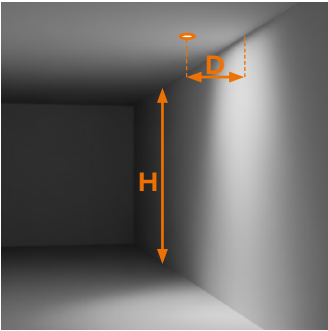


INSTALLATION GUIDE FOR WALLWASHER

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  $H / 3$



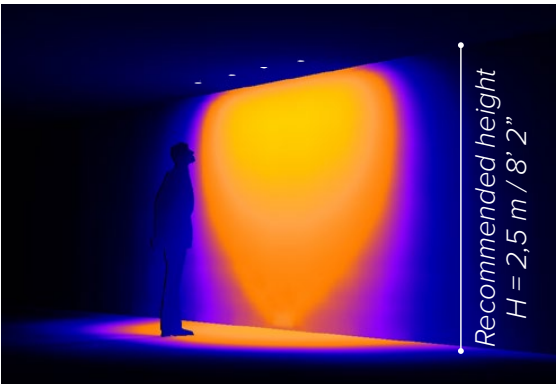
2

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 <sub>MIN</sub>	0,5 m 1' 7"	S <sub>MIN</sub>	0,5 m 1' 7"
			S <sub>MAX</sub>	1 m 3' 3"
	D <sub>MAX</sub>	0,8 m 2' 7"	S <sub>MIN</sub>	0,8 m 2' 7"
			S <sub>MAX</sub>	1,6 m 5' 3"



20lx 50lx 100lx 200lx

WALLWASHER OPTIONS

FOR DIFFERENT CEILING HEIGHTS



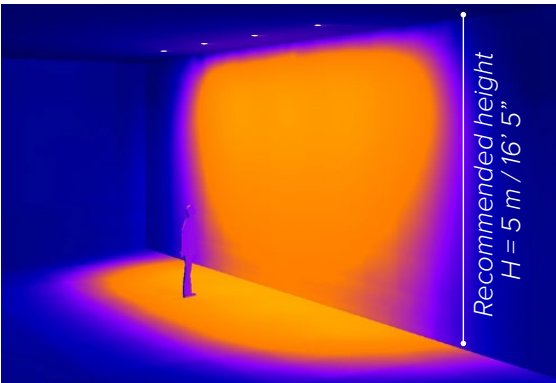
**INSIDE 120 R**  
23W, 2025lm delivered

SEE PAGE 397



**ATRIA X3 R**  
23W, 2025lm delivered

SEE PAGE 469



WALLWASHER OPTIONS



**INSIDE 75 R**  
10W, 790lm delivered

SEE PAGE 383



**ATRIA XS R**  
10W, 790lm delivered

SEE PAGE 447



**INSIDE 60 R**  
6W, 570lm delivered

SEE PAGE 377



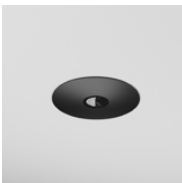
**ATRIA 60 P**  
6W, 570lm delivered

SEE PAGE 441



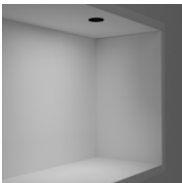
**INSIDE 40 R**  
4W, 220lm delivered

SEE PAGE 377



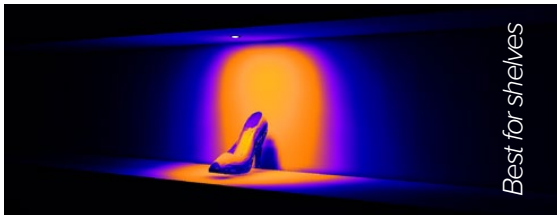
**DOT 45**  
4W, 220lm delivered

SEE PAGE 433



**DOT 30**  
1,5W, 40lm delivered

SEE PAGE 427



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

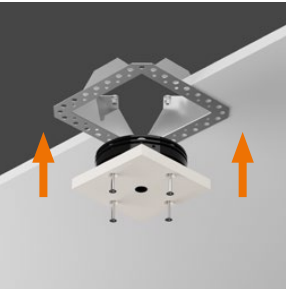


- 3 MAINTENANCE**  
Remove luminaire from above the ceiling

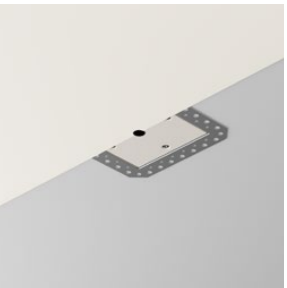


### PLASTERBOARD

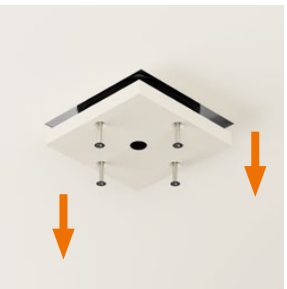
- 1 LUMINAIRE MOUNTED FROM BELOW THE CEILING USING MOUNTING FRAME CODE 69558**  
Install the mounting frame from below. Insert the luminaire and secure it using the four screws  
(*READ INSTALLATION INSTRUCTIONS*)



- 2 PLASTER, SAND AND PAINT**

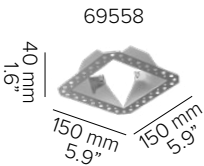


- 3 MAINTENANCE**  
Cut the plaster and remove the luminaire by unscrew the screws



## ACCESSORIES

### REQUIRED ACCESSORIES - NOT INCLUDED



Power supply  
24V DC\*, ON/OFF

Power supply  
24V DC\*, 1-10V<sup>(1)</sup>

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
69062	60W	90-305V	50-60Hz	IP67	L171xW62xH37	NO
69063	100W	90-305V	50-60Hz	IP67	L220xW68xH39	NO

<sup>1</sup>for a perfect dimming, it is necessary that the power supply is saturated to 100%

Consult **B LIGHT North America**  
Lighting Group Network  
T: 212.775.6363  
E: info@lightinggroupnetwork.com