



INSIDE 40 R / INSIDE 40 AD

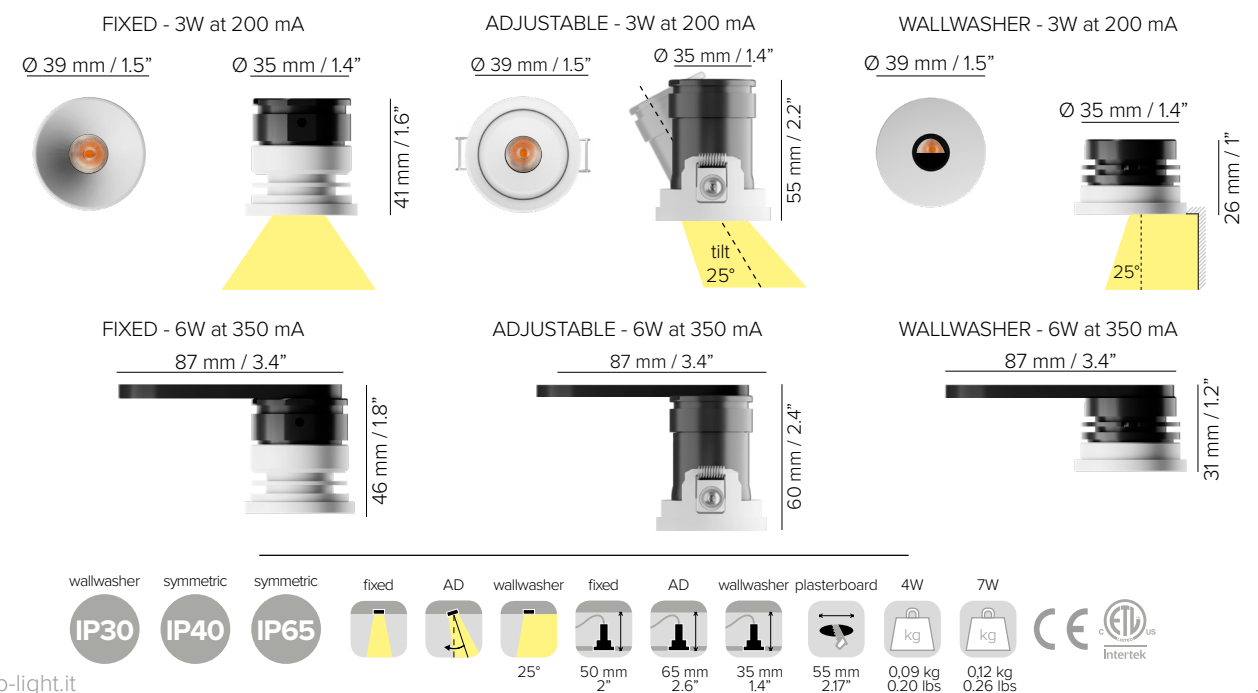
NEW

PLUS



SPECIFICATIONS

base code	INSIDE 40 R fixed or wallwasher: 64159 - INSIDE 40 AD adjustable: 64165
typology	Glare free compact trimless downlight with symmetrical or wallwasher light distribution
mounting	In plasterboard using mounting frame to be installed from below the ceiling and separately ordered. In wood or composite material using mounting frame to be installed from above the ceiling and separately ordered
diameter	39 mm / 1.5"
height	Fixed: 41 mm / 1.6" (4W) - 46 mm / 1.8" (7W) Wallwasher: 26 mm / 1" (4W) - 31 mm / 1.2" (7W) Adjustable: 55 mm / 2.2" (4W) - 60 mm / 2.4" (7W)
required depth	Fixed: 50 mm / 2". Wallwasher: 35 mm / 1.4". Adjustable: 65 mm / 2.6"
first fit requirement	Mounting frame for plasterboard (code 69537). Mounting frame for wood or composite materials (code 69375)
ceiling cut out	Plasterboard: 55 mm / 2.17". Millwork read the installation manual
construction	Fixture and mounting frame: turning and milling aluminum. Lens: PMMA. IP65 model: protective glass in PMMA complete with silicone gasket
finishes	Powder coated. Heat sink anodized
ingress protection	Fixed and adjustable: 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	4W or 7W at 24V DC. For Yacht operating voltage 20V-30V. 3W at 200mA or 6W at 350mA. North America: 3W at 200mA or 6W at 350mA
lamp lumens	4W: 330lm - 7W: 660lm
delivered lumens	4W: 135lm - 7W: 230lm. Wallwasher 4W: 220lm - 7W: 340lm
lumen maintenance	50.000h L90
beam	16°, 36°, 55°, 15°x45° or wallwasher (downlight 25° and wallwasher). Inclination angle adjustable up to 25°
kelvin	2200K CRI90, 2700K CRI93, 3000K CRI93 or 4000K CRI93 / 3 step MacAdam
special features	Protection against wrong connections. Two wires dimming. Designed to deliver glare free homogeneous light. 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
dimming options	Push button, potentiometer, 0-10V, DALI, DMX, KNX. Dimming options depend on power supply and additional control units to be separately ordered as accessories
standards	CE, ETL listed for wet location



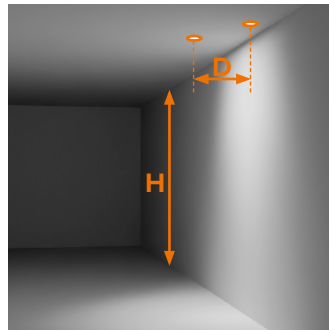
INSIDE 40 R

INSTALLATION GUIDE FOR WALLWASHER

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

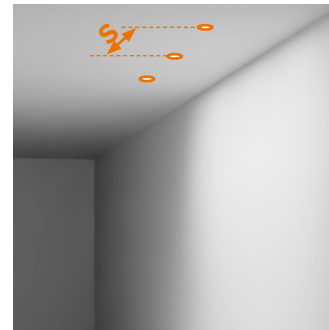
1

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



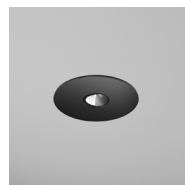
2

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



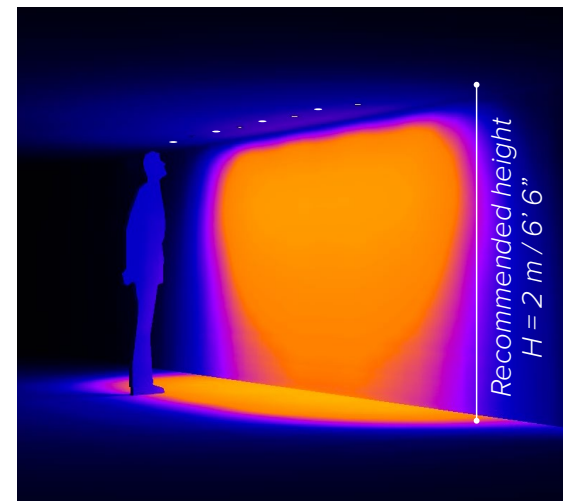
INSIDE 40 R
4W, 220lm delivered

H 2 m 6' 6"	D _{MIN}	0,4 m	S _{MIN}	0,4 m
		1' 4"	S _{MAX}	0,8 m
	D _{MAX}	0,7 m	S _{MIN}	0,7 m
		2' 2"	S _{MAX}	1,3 m



DOT 45
4W, 220lm delivered

SEE PAGE 427



20lx 50lx 100lx 200lx

WALLWASHER OPTIONS

FOR DIFFERENT CEILING HEIGHTS



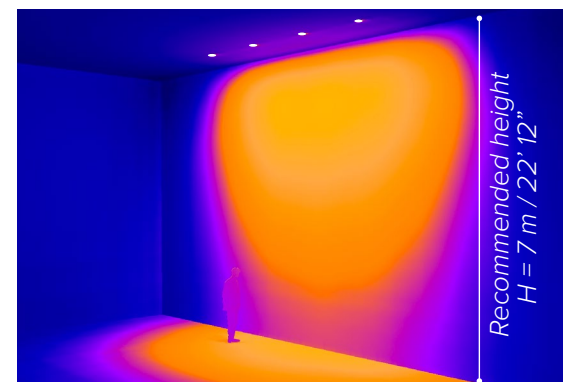
INSIDE 120 R
30W, 2440lm delivered

SEE PAGE 391



ATRIA X3 R
30W, 2440lm delivered

SEE PAGE 463



WALLWASHER OPTIONS



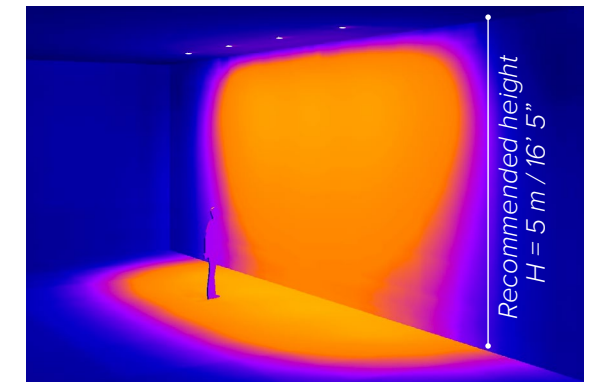
INSIDE 120 R
23W, 2025lm delivered

SEE PAGE 391



ATRIA X3 R
23W, 2025lm delivered

SEE PAGE 463



INSIDE 75 R
10W, 790lm delivered

SEE PAGE 377



ATRIA XS R
10W, 790lm delivered

SEE PAGE 441



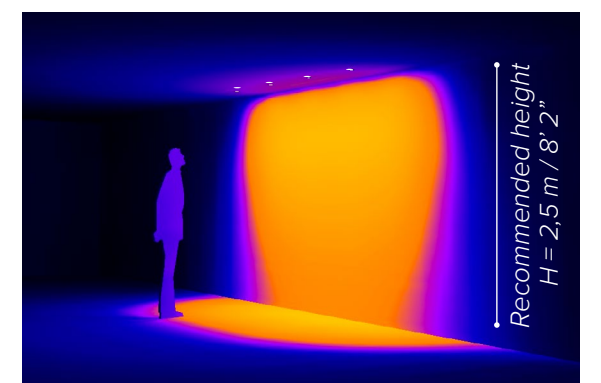
INSIDE 60 R
6W, 570lm delivered

SEE PAGE 371



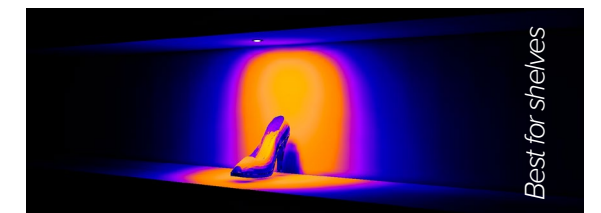
ATRIA 60 P
6W, 570lm delivered

SEE PAGE 435



DOT 30
1,5W, 40lm delivered

SEE PAGE 133



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.

INSIDE 40 AD

ORDER CODE

BASE CODE

64165

A . POWER SUPPLY

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

20 mm / 0.8"

U  listed 200/350 mA power supply NOT included

L 200/350 mA power supply NOT included

B . KELVIN

4 4000K CRI93

5 3000K CRI93

8 2700K CRI93

D 2200K CRI90

C . BEAM

2 spot 16°

4 flood 36°

5 wide flood 55°

8 oval flood 15° x 45°



D . FINISHES

2 black RAL 9005

6 white RAL 9003



E . INGRESS PROTECTION

B IP40

C IP65

F . OUTPUT

A 4W (24V DC) 3W (200 mA)

B 7W (24V DC) 6W (350 mA)



Example: BASE CODE 64165 A B C D E F 2 5 5 2 B A = 64165-2552BA

ACCESSORIES

REQUIRED ACCESSORIES - NOT INCLUDED			code	description	dimensions mm
			69375	height adjustable mounting frame from 5 to 22 mm / 0.2" to 0.9" for millwork (mounting from above the ceiling)	Ø70xH20
			69537	mounting frame for plasterboard (mounting from below the ceiling)	Ø40xH13
			69594	suction cup for wallwasher	Ø30xH45

INSIDE 40 R

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D 2200K CRI90

C . BEAM

2 spot 16°

4 flood 36°

5 wide flood 55°

8 oval flood 15° x 45°



I spot 16° tilted by 20°

C black wallwasher



D . FINISHES

2 black RAL 9005

6 white RAL 9003



E . INGRESS PROTECTION

wallwasher

A IP30

symmetrical

B IP40

C IP65

F . OUTPUT

A 4W (24V DC) 3W (200 mA)

B 7W (24V DC) 6W (350 mA) 2200K WALLWASHER NOT AVAILABLE



Example: BASE CODE 64159 A B C D E F 2 5 5 2 A A = 64159-2552AA

ACCESSORIES

REQUIRED ACCESSORIES - NOT INCLUDED	code	output power	input voltage	frequency	IP	dimensions mm	through frame
Power supply 24V DC*, ON/OFF max No. fixtures	69041	18W / max 2	198-264V	50-60Hz	IP20	L124xW42xH30	NO
	69054	60W / max 8	90-305V	47-63Hz	IP67	L162xW43xH32	NO
Power supply 24V DC*, DALI max No. fixtures	69204	20W / max 2	99-264V	50-60Hz	IP20	L103xW67xH21	NO
	69212	20W / max 2	99-264V	50-60Hz	IP20	L103xW67xH21	NO
Power supply 24V DC*, 1-10V max No. fixtures	69121	ON/OFF, 8W / max 2	90-264V	50-60Hz	IP20	L115xW34xH19	NO
	69122	1-10V, 10W / max 3	99-264V	50-60Hz	IP20	L111xW52xH22	NO
	69123	DALI, 10W / max 3	198-264V	50-60Hz	IP20	L147xW44xH22	NO
Power supply 350 mA max No. fixtures	69086	ON/OFF, 15W / max 2	90-264V	50-60Hz	IP20	L115xW34xH19	NO
	69090	1-10V, 18W / max 2	99-264V	50-60Hz	IP20	L120xW52xH22	NO
	69079	DALI, 17W / max 3	110-240V	50-60Hz	IP20	L120xW52xH22	NO
	Consult B LIGHT North America Lighting Group Network T: 212.775.6363 E: info@lightinggroupnetwork.com						
Class 2 power supply 200 mA 350 mA  listed							

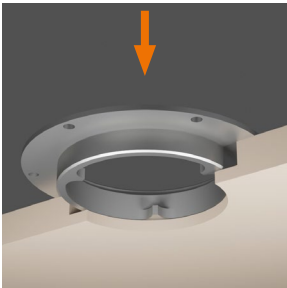


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MOUNTING

MILLWORK

- 1** **MOUNTING FRAME
CODE 69375**
Installed from below
(*READ INSTALLATION
INSTRUCTIONS*)



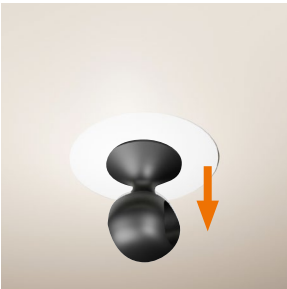
- 2** **LUMINAIRE
MOUNTED FROM
BELOW THE CEILING**
Using springs



- 3** **MAINTENANCE
SYMMETRICAL**
Remove luminaire
by pulling the hex key



- MAINTENANCE
WALLWASHER**
Remove luminaire
by pulling the suction
cup



PLASTERBOARD

- 1** **MOUNTING FRAME
CODE 69537**
Fasten from the back
side
(*READ INSTALLATION
INSTRUCTIONS*)



- 2** **LUMINAIRE
MOUNTED FROM
BELOW THE CEILING**
Using springs



- 3** **MAINTENANCE
SYMMETRICAL**
Remove luminaire
by pulling the hex key



- MAINTENANCE
WALLWASHER**
Remove luminaire
by pulling the suction
cup

