



FIXED



ADJUSTABLE



WALLWASHER



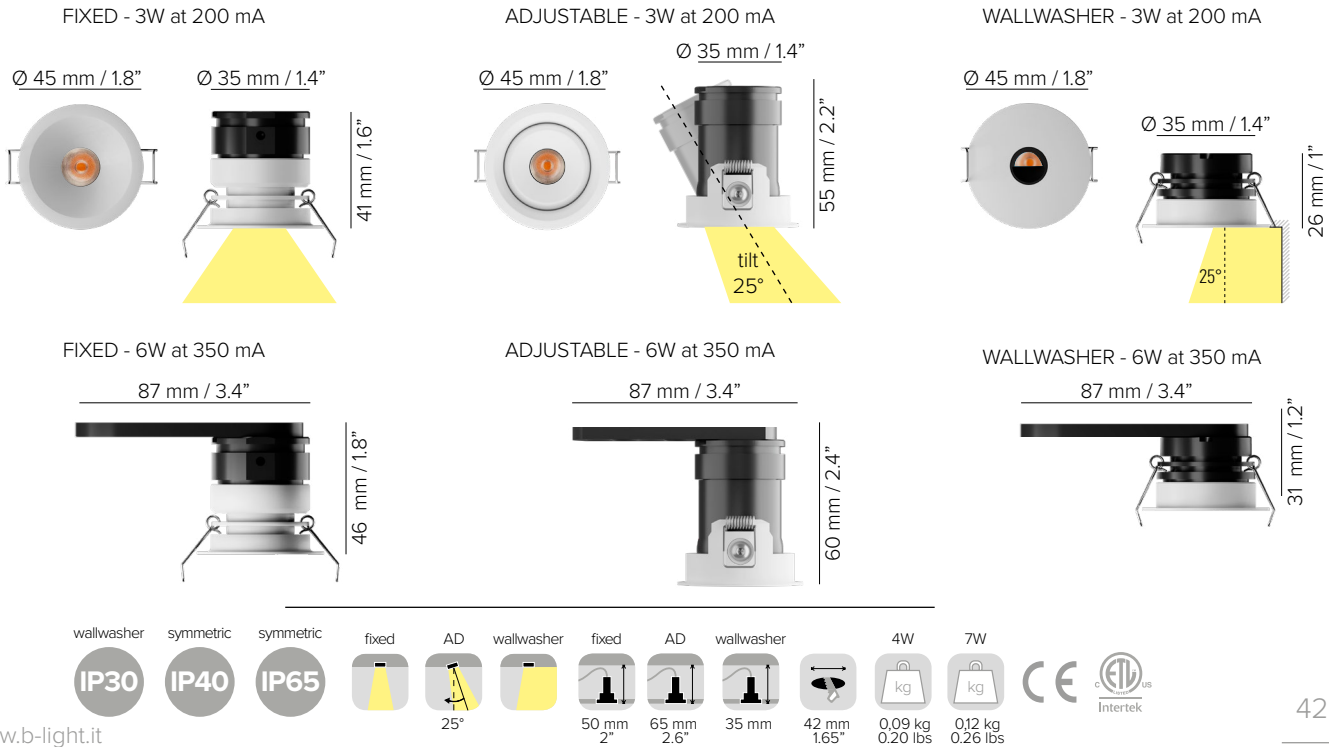
DOT 45 / DOT 45 AD

NEW



SPECIFICATIONS

base code	DOT 45 fixed or wallwasher: 64050 - DOT 45 AD adjustable: 64071
typology	Glare free compact downlight with symmetrical or wallwasher light distribution
mounting	In any material using springs (included)
diameter	Fixed and wallwasher 45 mm / 1.8". Adjustable: 45 mm / 1.8"
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"
ceiling cut out	Fixed and wallwasher: 42 mm / 1.65". Adjustable: 43 mm / 1.69"
construction	Fixture and flange: turning and milling aluminum. Reflector: polycarbonate 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° (fixed or pre-tilted by 20°), 36°, 55°, 15°x45° or wallwasher (downlight 20° and wallwasher). Inclination angle adjustable up to 25°
kelvin	Red, 2200K CRI90, 2700K CRI93, 3000K CRI93 or 4000K CRI93 / 3 step MacAdam ellipse
special features	Red light for night navigation. 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



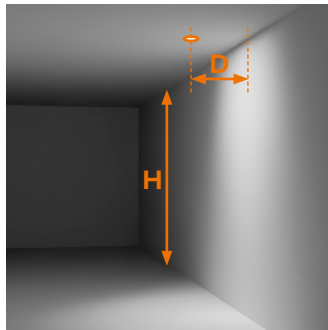
DOT 45

INSTALLATION GUIDE FOR WALLWASHER

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

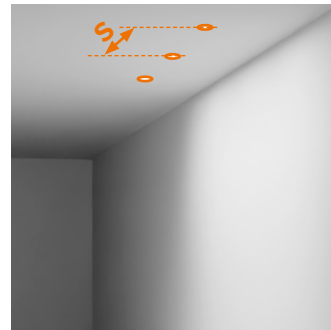
1

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



DOT 45
4W, 220lm delivered

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



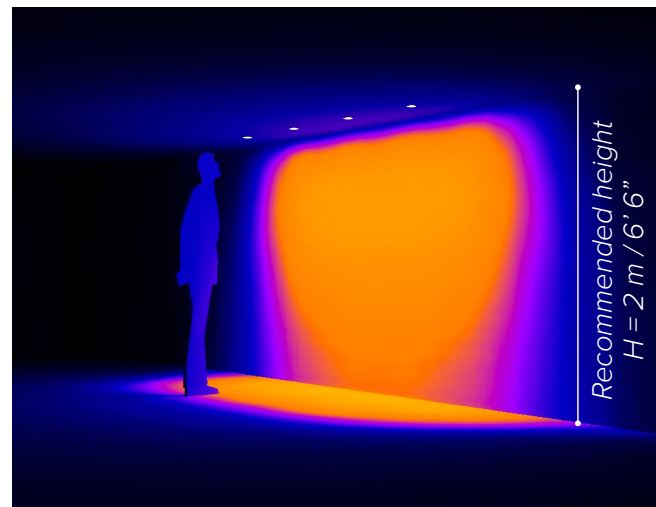
INSIDE 40 R
4W, 220lm delivered

[SEE PAGE 363](#)

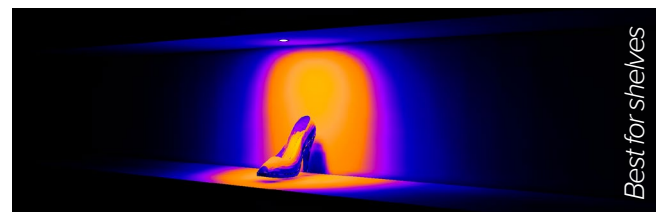


DOT 30
1,5W, 40lm delivered

[SEE PAGE 421](#)



20lx 50lx 100lx 200lx



WALLWASHER OPTIONS

FOR DIFFERENT CEILING HEIGHTS



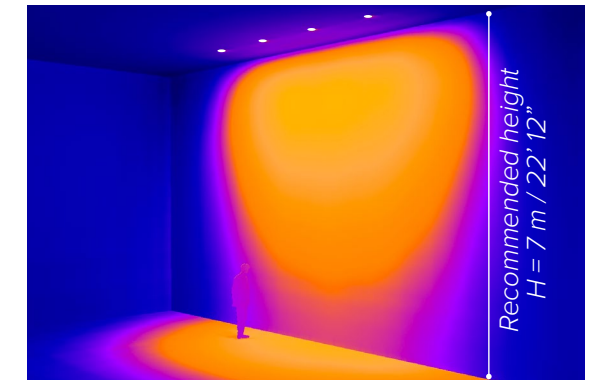
ATRIA X3 R
30W, 2440lm delivered

[SEE PAGE 463](#)



INSIDE 120 R
30W, 2440lm delivered

[SEE PAGE 391](#)



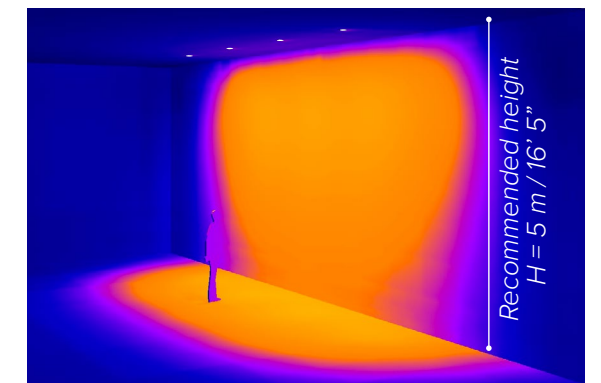
ATRIA X3 R
23W, 2025lm delivered

[SEE PAGE 463](#)



INSIDE 120 R
23W, 2025lm delivered

[SEE PAGE 391](#)



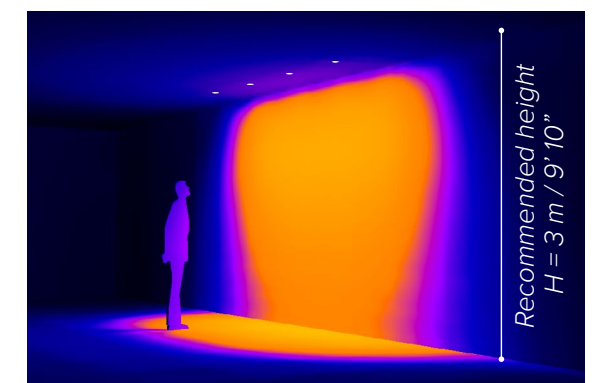
ATRIA XS R
10W, 790lm delivered

[SEE PAGE 441](#)



INSIDE 75 R
10W, 790lm delivered

[SEE PAGE 377](#)



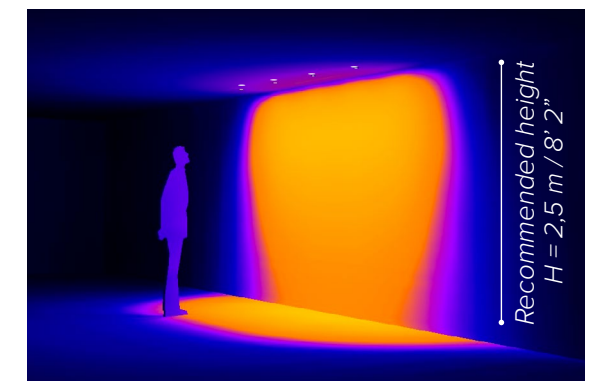
ATRIA 60 P
6W, 570lm delivered

[SEE PAGE 435](#)



INSIDE 60 R
6W, 570lm delivered

[SEE PAGE 371](#)



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.



ORDER CODE

BASE CODE	A . POWER SUPPLY	B . KELVIN	C . BEAM
64050	2 24V DC (20V - 30V) power supply NOT included  20 mm / 0.8" 40 mm / 1.6" L 200/350 mA power supply NOT included U  listed 200/350 mA power supply NOT included	4 4000K CRI93 5 3000K CRI93 8 2700K CRI93 D 2200K CRI90 R Red IP40 ONLY	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   

Example: BASE CODE 64050 A B C D E F 2 5 5 2 A A = 64050-2552AA

D . FINISHES	E . INGRESS PROTECTION	F . OUTPUT
2 black RAL 9005  6 white RAL 9003 	wallwasher A IP30 fixed B IP40 C IP65	A 4W (24V DC) 3W (200 mA)  B 7W (24V DC) 6W (350 mA) 2200K WALLWASHER NOT AVAILABLE 

ACCESSORIES

REQUIRED ACCESSORIES - NOT INCLUDED		code	output power	input voltage	frequency	IP	dimensions mm	through cut out
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
Power supply 24V DC*, 1-10V max No. fixtures		69212	20W / max 2	99-264V	50-60Hz	IP20	L103xW67xH21	NO
Power supply 200 mA 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
Class 2 power supply 200 mA 350 mA 		Consult B LIGHT North America Lighting Group Network T: 212.775.6363 E: info@lightinggroupnetwork.com						

*To choose the power supply, always add a spare 20% as safety margin.
See pag 509 for cable size and max wiring distance from power supply to last connected luminaire



DOT 45 AD

ORDER CODE

BASE CODE
64071

A . POWER SUPPLY
2 24V DC power supply NOT included

L 200/350 mA power supply NOT included
U listed 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)

BASE CODE

A

B

C

D

E

F

Example: **64071 2 5 5 2 B A** = **64071-2552BA**

ACCESSORIES

REQUIRED ACCESSORIES - NOT INCLUDED		code	output power	input voltage	frequency	IP	dimensions mm	through cut out
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
Power supply 24V DC*, 1-10V max No. fixtures		69212	20W / max 2	99-264V	50-60Hz	IP20	L103xW67xH21	NO
Power supply 200 mA 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
Class 2 power supply 200 mA 350 mA listed		Consult B LIGHT North America Lighting Group Network T: 212.775.6363 E: info@lightinggroupnetwork.com						