

INSIDE 120 R ^{NEW}



SPECIFICATIONS

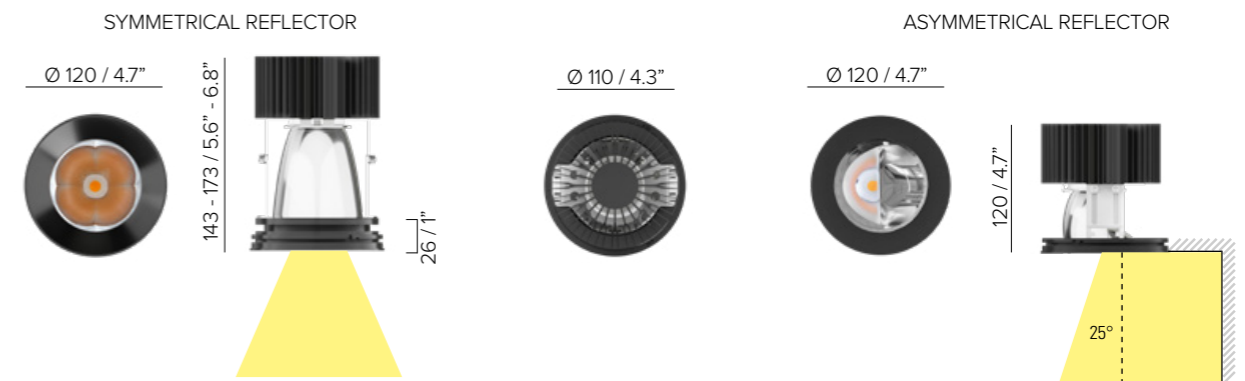
base code	64148
typology	Glare free trimless downlight with symmetrical or asymmetrical (wallwasher and downlight) light distribution
mounting	In plasterboard using mounting frame to be separately ordered
aperture	120 mm / 4.7"
height	Symmetrical 30°: 173 mm / 6.8". Symmetrical 50°: 143 mm / 5.6". Asymmetrical: 120 mm / 4.7"
required depth	Symmetrical 30°: 180 mm / 7.1". Symmetrical 50°: 150 mm / 5.9". Asymmetrical: 130 mm / 5.1"
first fit requirement	Yes, separate mounting frame for plaster ceiling. Height adjustable mounting frame for ceiling thickness from 10 to 30 mm / from 0.4" to 1.2" (code 69379). Mounting frame for ceiling thickness 13 mm / 0.5" (code 69374). Mounting frame for plasterboard US market (code 69543)
ceiling cut out	125 mm / 4.92". US Market: 135 mm / 5.31"
construction	Fixture and mounting frame: turning and milling aluminum. Extruded aluminum heat sink. Reflector: polycarbonate
finishes	Powder coated. Heat sink anodized
ingress protection	IP20. North America dry location
lamp type	COB. Remote power supply not included
lamp wattage	23W at 700 mA, 30W at 900 mA
lamp lumens	23W: 2560lm. 30W: 3300lm
delivered lumens	23W: 1775lm (30°) - 1760lm (50°) - 2025lm (asymmetrical) 30W: 2145lm (30°) - 2190lm (50°) - 2440lm (asymmetrical)
lumen maintenance	50.000h L90
beam	30°, 50° or asymmetrical reflector (wallwasher + 25°)
kelvin	2700K CRI93, 3000K CRI93 and 4000K CRI93 / 3 step MacAdam ellipse
special features	Safe wiring - Two wires dimming. Designed with symmetrical and asymmetrical reflectors, delivers glare free homogeneous light. UGR<10 (30°), UGR<19 (50°). The asymmetrical reflector 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
listings	CE, ETL listed for dry location



SYMMETRICAL REFLECTOR



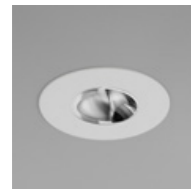
ASYMMETRICAL REFLECTOR: WALLWASHER + 25°



190 mm / 7.5" 160 mm / 6.3" 130 mm / 5.1" 125 mm / 4.92" 135 mm / 5.31" 0.85 kg / 1.9 lbs

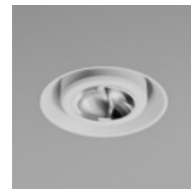
ASYMMETRICAL DOWNLIGHTS

AVAILABLE OPTIONS FOR DIFFERENT CEILING HEIGHTS



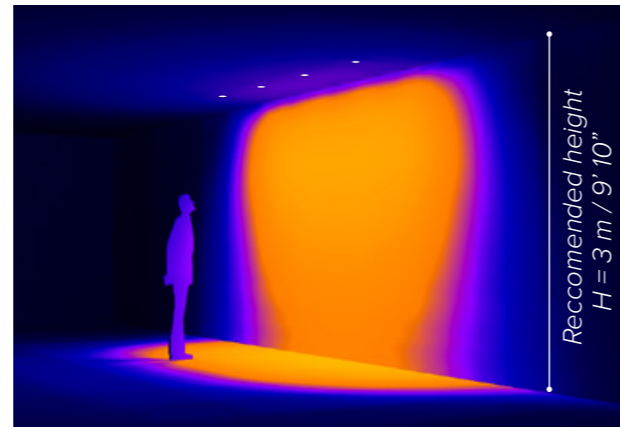
ATRIA XS R
10W, 870lm delivered

SEE PAGE 439



INSIDE 75 R
10W, 870lm delivered

SEE PAGE 385



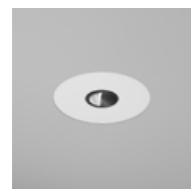
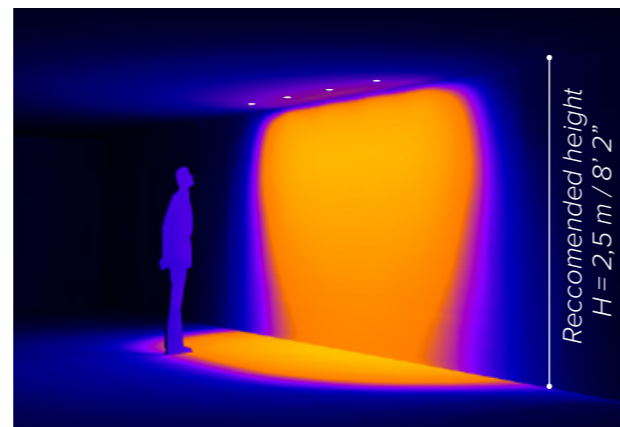
INSIDE 60 R
6W, 570lm delivered

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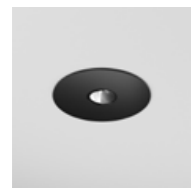
ATRIA 60 P
6W, 570lm delivered

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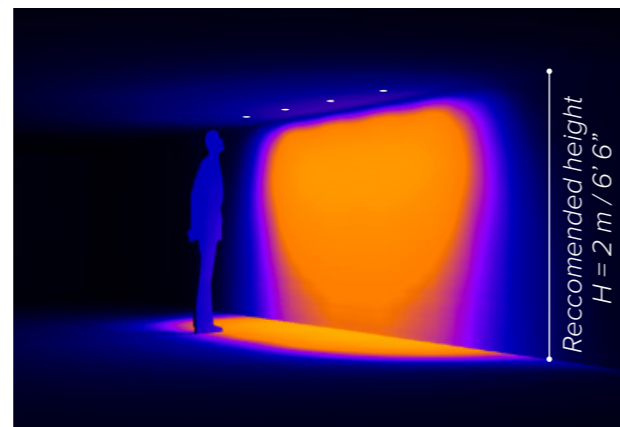
INSIDE 40 R
4W, 220lm delivered

SEE PAGE 371



DOT 45
4W, 220lm delivered

SEE PAGE 425



20lx 50lx 100lx 200lx

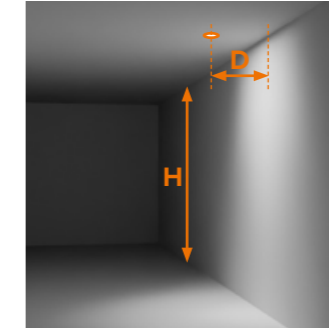
INSIDE 120 R

INSTALLATION GUIDE FOR THE ASYMMETRICAL DOWNLIGHT (WALLWASHER + 25°)

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

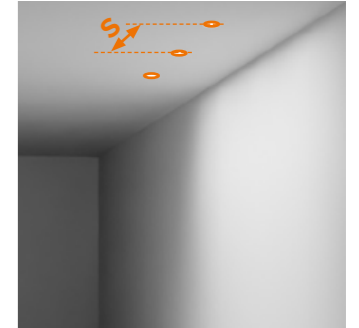
1

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



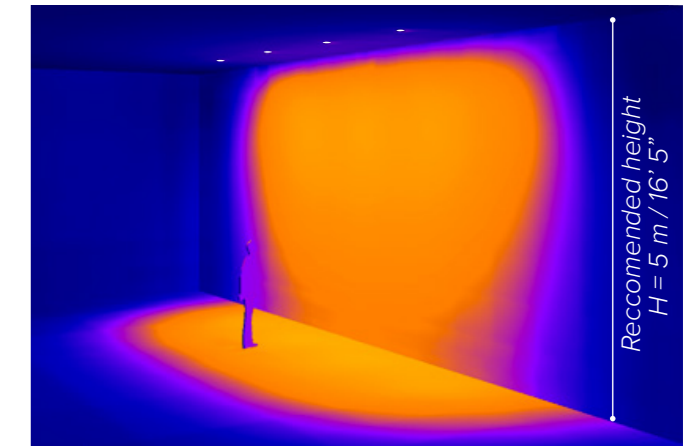
2

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



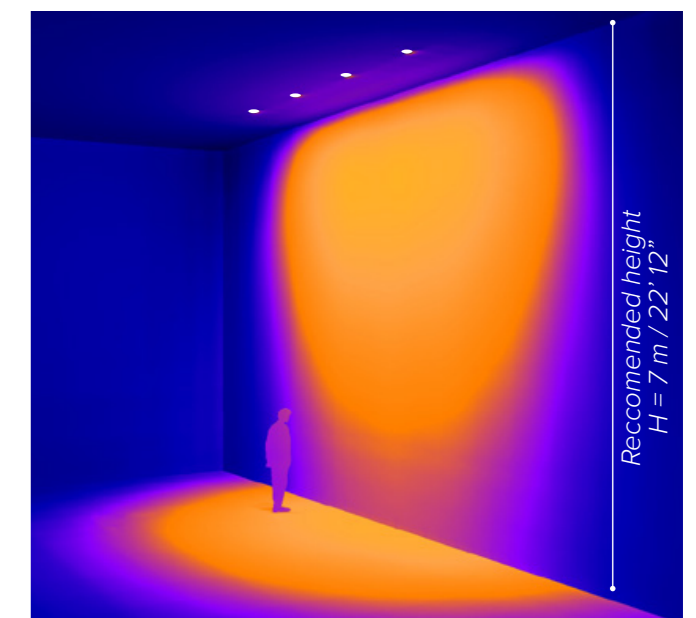
INSIDE 120 R at 700mA 23W, 2025lm delivered

H 5 m 16' 5"	D _{MIN} 1 m 3' 3"	S _{MIN} 1 m 3' 3"
		S _{MAX} 2 m 6' 7"
H 7 m 22' 12"	D _{MAX} 1,6 m 5' 3"	S _{MIN} 1,6 m 5' 3"
		S _{MAX} 3,2 m 10' 6"



INSIDE 120 R at 900mA 30W, 2440lm delivered

H 7 m 22' 12"	D _{MIN} 1,4 mm 4' 7"	S _{MIN} 1,4 mm 4' 7"
		S _{MAX} 2800 mm 110"
H 7 m 22' 12"	D _{MAX} 2,3 m 7' 7"	S _{MIN} 2,3 m 7' 7"
		S _{MAX} 4,6 m 15' 1"



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 120 R

ORDER CODE

BASE CODE

64148



A . POWER SUPPLY

- L** 700/900 mA power supply NOT included
- U**  listed 700/900 mA power supply NOT included

B . KELVIN

- 4** 4000K CRI93
- 5** 3000K CRI93
- 8** 2700K CRI93

C . BEAM

- 4** spot 30° 
- 5** flood 50° 
- A** chrome asymmetrical 
- C** black asymmetrical 

Example: BASE CODE **64148** A B C D
L 5 A 6 = **64148-L5A6**

D . FINISHES

2 black RAL 9005 

6 white RAL 9003 

ACCESSORIES

REQUIRED ACCESSORIES - NOT INCLUDED

code	description	dimensions mm
69374	mounting frame for ceiling thickness 13 mm / 0.5"	Ø125xH13
69379	height adjustable mounting frame for ceiling thickness from 10 to 30 mm / from 0.4" to 1.2"	Ø125xH10-30
69543	mounting frame for plasterboard US market	Ø125xH13
69089	ON/OFF, 25W / max 1 176-264V 50-60Hz IP20	L135xW38xH28
69092	1-10V, 25W / max 1 99-264V 50-60Hz IP20	L103xW67xH21
69074	DALI, 32W / max 1 110-240V 50-60Hz IP20	L103xW67xH21
69094	ON/OFF, 38W / max 1 176-264V 50-60Hz IP20	L130xW42xH30
69093	1-10V, 50W / max 1 99-264V 50-60Hz IP20	L129xW76xH30
69077	DALI, 60W / max 2 99-264V 50-60Hz IP20	L129xW76xH30



23W output
 Power supply 700 mA
 max No. fixtures

30W output
 Power supply 900 mA
 max No. fixtures

Class 2 power supply
 700 mA
 900 mA

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

ASYMMETRICAL REFLECTOR: WALLWASHER + 25°

*To choose the power supply, always add a spare 20% as safety margin.
 See pag 521 for cable size and max wiring distance from power supply to last connected luminaire