

INSIDE 120 R

SPECIFICATIONS

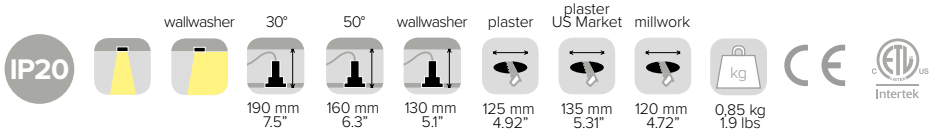
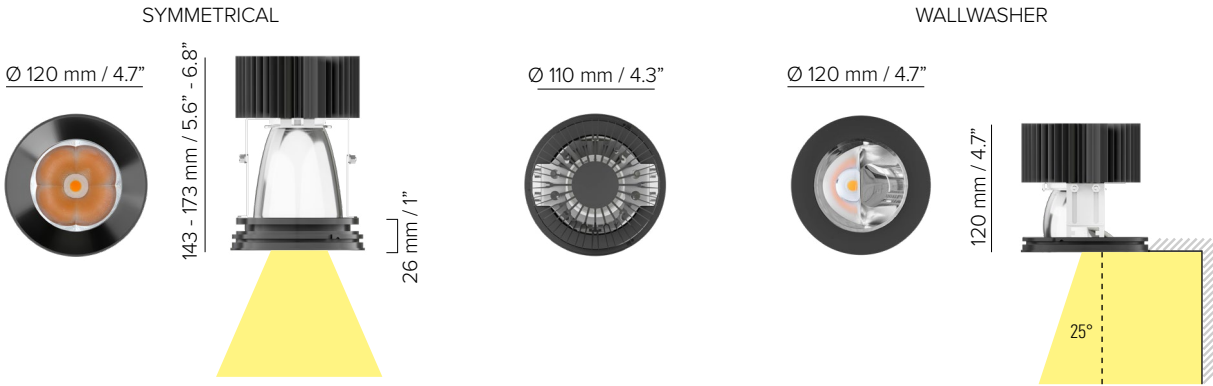


base code	64148
typology	Glare free trimless downlight with symmetrical or wallwasher light distribution
mounting	In plasterboard or millwork using mounting frame to be separately ordered
aperture	120 mm / 4.7"
height	Symmetrical 30°: 173 mm / 6.8". Symmetrical 50°: 143 mm / 5.6". Wallwasher: 120 mm / 4.7"
required depth	Symmetrical 30°: 180 mm / 7.1". Symmetrical 50°: 150 mm / 5.9". Wallwasher: 130 mm / 5.1"
first fit requirement	Yes, separate mounting frame. Mounting frame for plasterboard 13 mm / 0.5" (code 69374). Height adjustable mounting frame for plasterboard (code 69379). Mounting frame for plasterboard US market (code 69543). Mounting frame for millwork (code 69389)
ceiling cut out	Plasterboard: 125 mm / 4.92" (US Market: 135 mm / 5.31"). Millwork: 120 mm / 4.72"
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 (wallwasher) 30W: 2145lm (30°) - 2190lm (50°) - 2440lm (wallwasher)
lumen maintenance	50.000h L90
beam	30°, 50° or wallwasher (downlight 25° and wallwasher)
kelvin	2700K CRI93, 3000K CRI93 and 4000K CRI93 / 3 step MacAdam ellipse
special features	Safe wiring. Two wires dimming. Designed to deliver glare free homogeneous light. UGR<10 (30°), UGR<19 (50°). 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
listings	CE, ETL listed for dry location

SYMMETRICAL



WALLWASHER



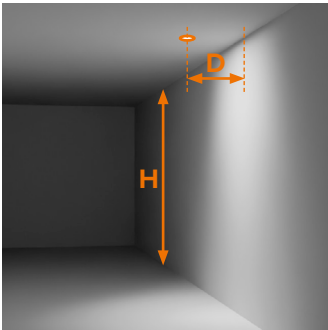
INSIDE 120 R

INSTALLATION GUIDE FOR WALLWASHER

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

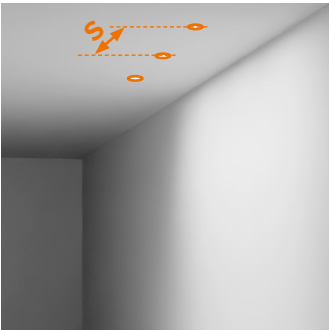
1

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



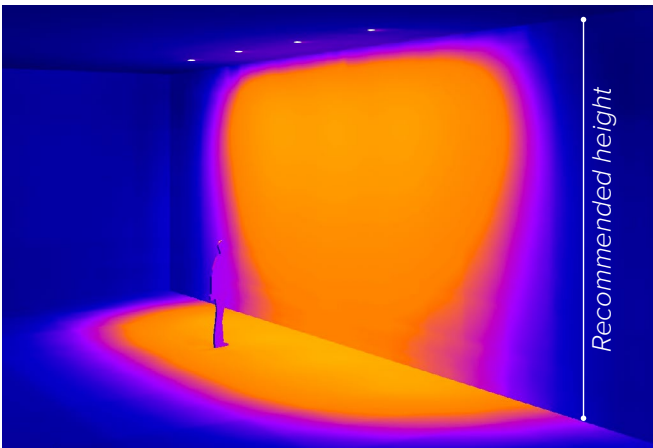
2

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



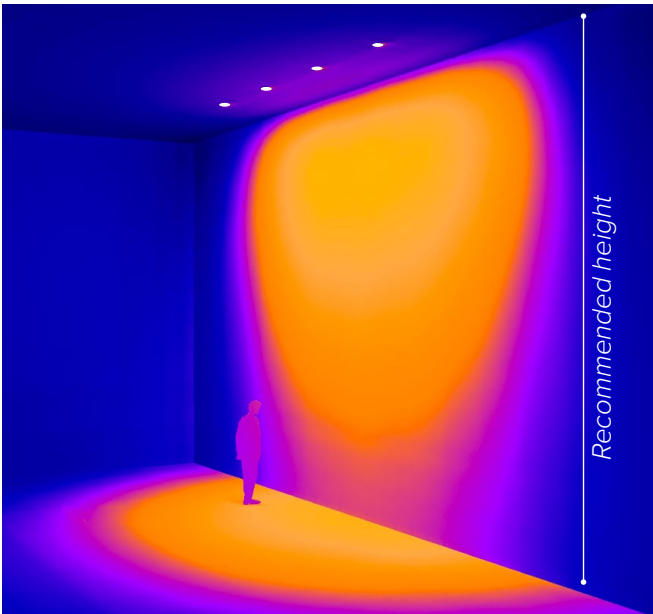
INSIDE 120 R at 700mA 23W, 2025lm delivered

H 5 m 16' 5"	D _{MIN} 1 m 3' 3"	S _{MIN} 1 m 3' 3"
		S _{MAX} 2 m 6' 7"
	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 m 4' 7"	S _{MIN} 1,4 m 4' 7"
		S _{MAX} 2,8 m 9' 2"
	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

WALLWASHER OPTIONS

FOR DIFFERENT CEILING HEIGHTS



INSIDE 75 R
10W, 790lm delivered

SEE PAGE 377



ATRIA XS R
10W, 790lm delivered

SEE PAGE 441



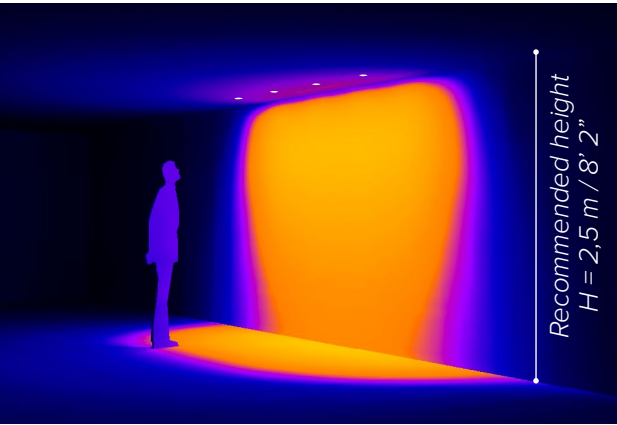
INSIDE 60 R
6W, 570lm delivered

SEE PAGE 371



ATRIA 60 P
6W, 570lm delivered

SEE PAGE 435



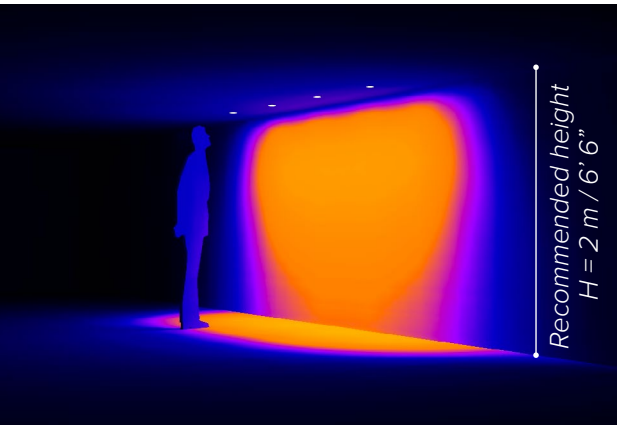
INSIDE 40 R
4W, 220lm delivered

SEE PAGE 363



DOT 45
4W, 220lm 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.



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 wallwasher
- C** black wallwasher



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

D . FINISHES

- 2** black RAL 9005



- 6** white RAL 9003



WALLWASHER BEAM



A chrome wallwasher



C black wallwasher

ACCESSORIES

REQUIRED ACCESSORIES - NOT INCLUDED

69374



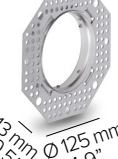
69379



69389



69543



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
 listed

code	description				dimensions mm	
69374	mounting frame for plasterboard 13 mm / 0.5"				Ø125xH13	
69379	height adjustable mounting frame for plasterboard from 10 to 30 mm / from 0.4" to 1.2"				Ø125xH10-30	
69543	mounting frame for plasterboard US market				Ø125xH13	
69389	mounting frame for millwork				Ø120xH30	
code	output power	input voltage	frequency	IP	dimensions mm	through frame
69089	ON/OFF, 25W / max 1	176-264V	50-60Hz	IP20	L135xW38XH28	YES
69092	1-10V, 25W / max 1	99-264V	50-60Hz	IP20	L103xW67XH21	YES
69074	DALI, 32W / max 1	110-240V	50-60Hz	IP20	L103xW67XH21	YES
69094	ON/OFF, 38W / max 1	176-264V	50-60Hz	IP20	L130xW42XH30	YES
69093	1-10V, 50W / max 1	99-264V	50-60Hz	IP20	L129xW76XH30	YES
69077	DALI, 60W / max 2	99-264V	50-60Hz	IP20	L129xW76XH30	YES

Consult **B LIGHT North America**
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