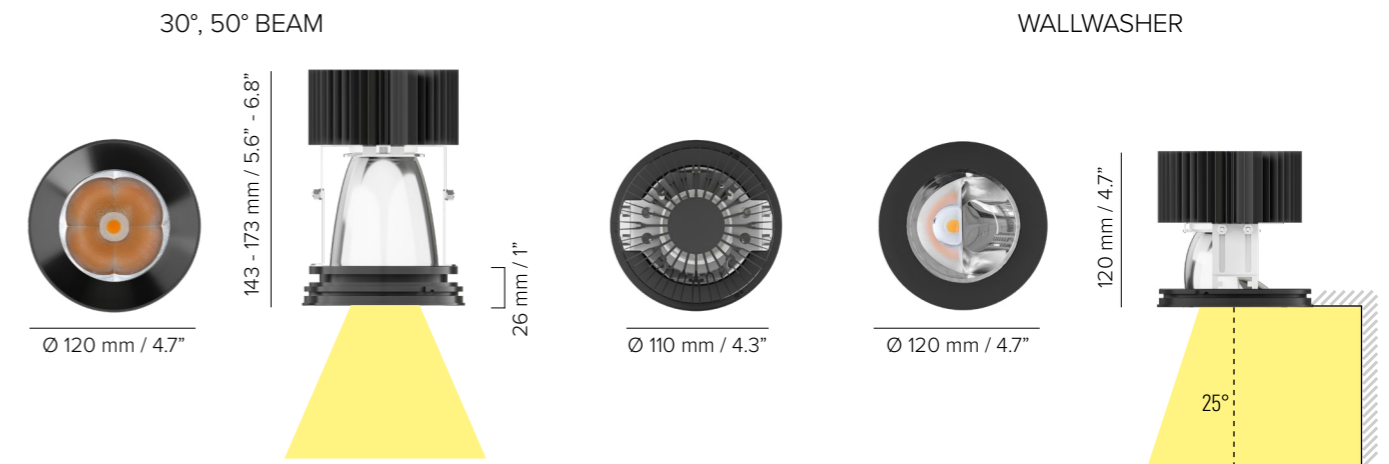


INSIDE 120 R

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. Tunable white: maximum wattage 30W (CH1 + CH2 max 30W, one channel max 30W)
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 or tunable white 1800K - 4000K CRI93
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
control protocols	0-10V, DMX or DALI
certifications	CE, ETL listed (certified to UL 2108, CSA C22.2)



IP20
SYMM
WW
30°
50°
WW
plasterboard
plasterboard US Market
millwork
kg
CE
ETL Intertek

190 mm / 7.5" 160 mm / 6.3" 130 mm / 5.1" 125 mm / 4.92" 135 mm / 5.31" 120 mm / 4.72" 0,85 kg / 1,9 lbs

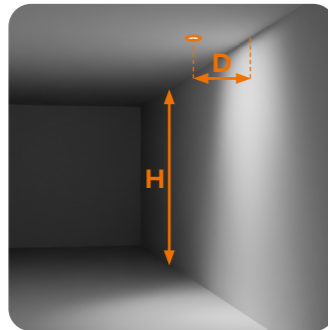
INSIDE 120 R

INSTALLATION GUIDE FOR WALLWASHER

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

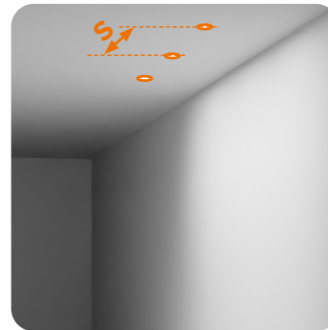
1

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



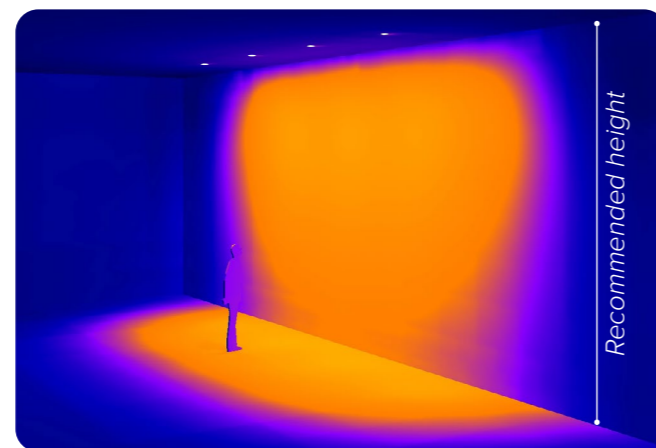
2

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



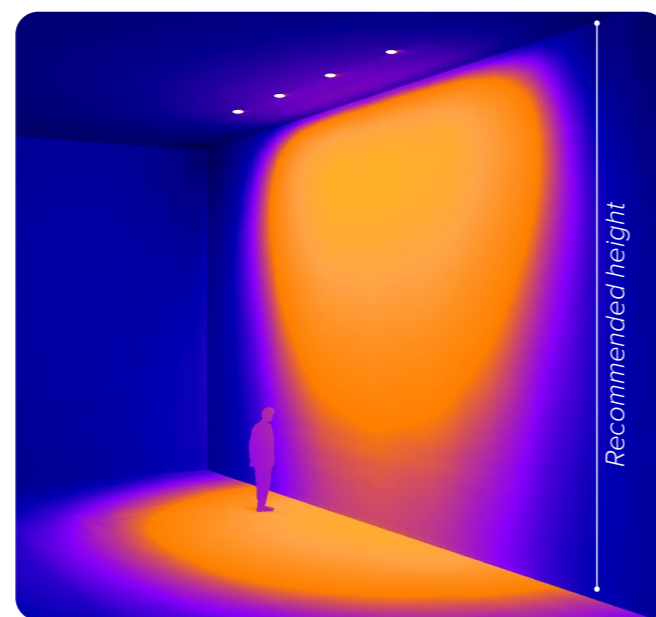
INSIDE 120 R at 700mA 23W, 2025lm delivered

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



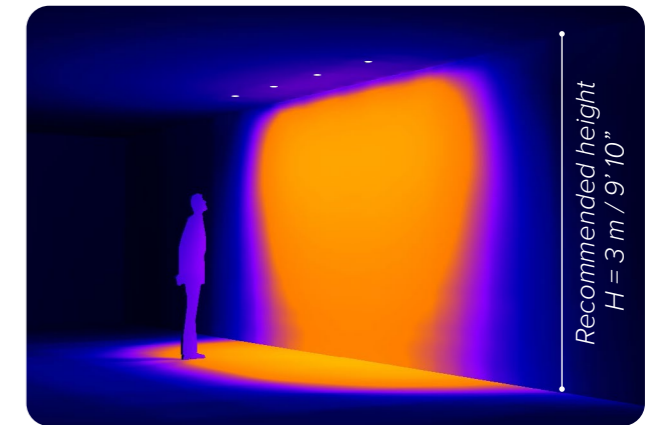
INSIDE 75 R
10W, 790lm delivered

SEE PAGE 387



ATRIA XS R
10W, 790lm delivered

SEE PAGE 451



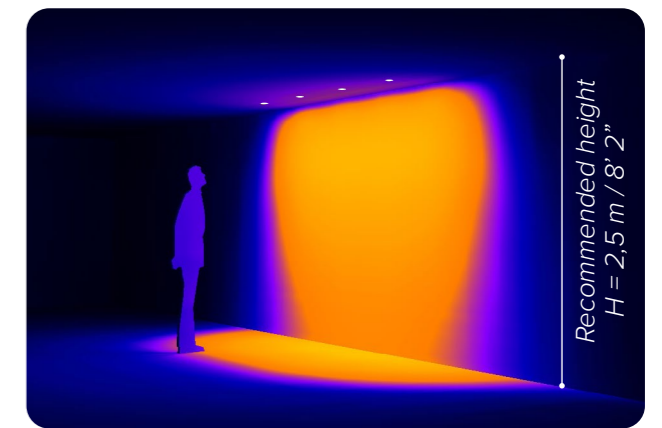
INSIDE 60 R
6W, 570lm delivered

SEE PAGE 381



ATRIA 60 P
6W, 570lm delivered

SEE PAGE 445



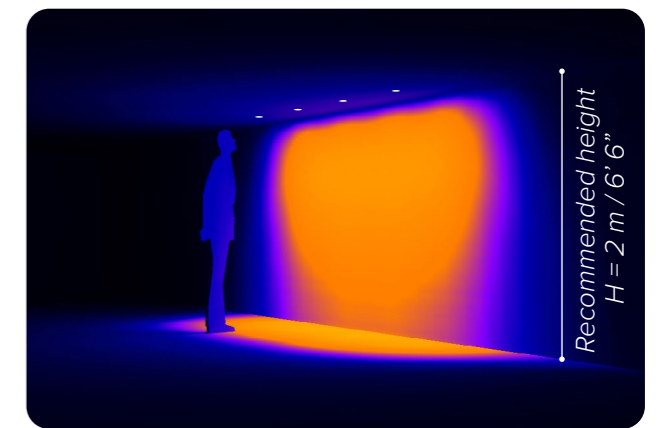
INSIDE 40 R
4W, 220lm delivered

SEE PAGE 373



DOT 45
4W, 220lm delivered

SEE PAGE 437










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	A . POWER SUPPLY	B . KELVIN	C . BEAM
64148	L 700/900 mA power supply NOT included U  listed 700/900 mA power supply NOT included	4 4000K CRI93 5 3000K CRI93 8 2700K CRI93 7 tunable white 1800K - 4000K CRI93	4 spot 30°  5 flood 50°  A chrome wallwasher  C black wallwasher 
Example: 64148	BASE CODE	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 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 from 10 to 30 mm / from 0.4" to 1.2"	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
69131	DALI DT8, 35W / max 1	198-264V	50-60Hz	IP20	L123xW79xH30	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
69132	DALI DT8, 45W / max 1	198-264V	50-60Hz	IP20	L123xW79xH30	YES

23W output Power supply 700 mA max No. fixtures	30W output Power supply 900 mA max No. fixtures	Power supply tunable white 700 mA max No. fixtures	Power supply tunable white 900 mA max No. fixtures	Class 2 power supply 700 mA 900 mA  listed	Consult B LIGHT North America Lighting Group Network T: 212.775.6363 E: info@lightinggroupnetwork.com
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WALLWASHER