

# INSIDE 40 R / INSIDE 40 R AD

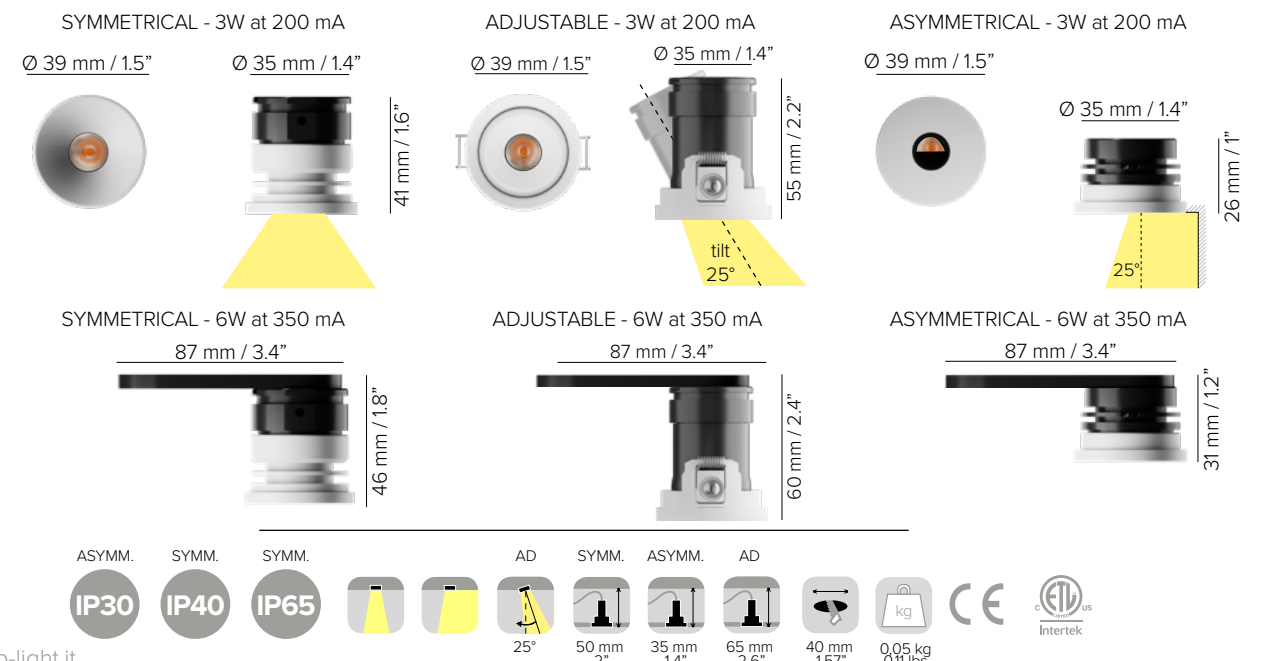
NEW

PLUS



## SPECIFICATIONS

base code	INSIDE 40 R symmetrical or asymmetrical: 64159 - INSIDE 40 R AD adjustable: 64165
typology	Glare free compact trimless downlight with symmetrical or asymmetrical (downlight 25° and 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	Symmetrical: 41 mm / 1.6" (4W) - 46 mm / 1.8" (7W) Asymmetrical: 26 mm / 1" (4W) - 31 mm / 1.2" (7W) Adjustable: 55 mm / 2.2" (4W) - 60 mm / 2.4" (7W)
required depth	Symmetrical: 50 mm / 2". Asymmetrical: 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	40 mm / 1.57"
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	Symmetrical and adjustable: IP40 or IP65. North America damp or wet location. Asymmetrical: IP30. North America dry location
lamp type	LED array on printed circuit board. Remote power supply not included
lamp wattage	4W at 24V DC and 3W at 200 mA or 7W at 24V DC and 6W at 350 mA. North America 3W at 200 mA or 6W at 350 mA. 24V DC (min / max operating voltage: 20V - 30V)
lamp lumens	4W: 330lm - 7W: 660lm
delivered lumens	Symmetrical 4W: 135lm - 7W: 230lm. Asymmetrical 4W: 220lm - 7W: 340lm
lumen maintenance	50.000h L90
beam	16°, 36°, 55°, 15°x45° or asymmetrical (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. Thanks to the design of the reflector, the luminaire is totally glare free. 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
standards	CE, ETL listed for wet location



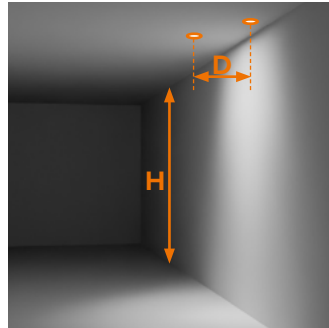
# INSIDE 40 R

## INSTALLATION GUIDE FOR THE ASYMMETRICAL DOWNLIGHT (DOWNLIGHT 25° AND WALLWASHER)

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

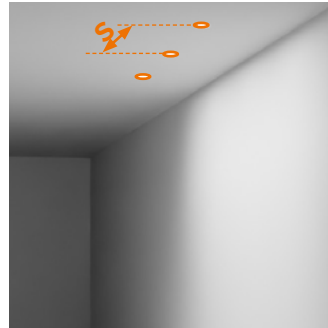
1

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 ( $D \times 2$ ) from the wall



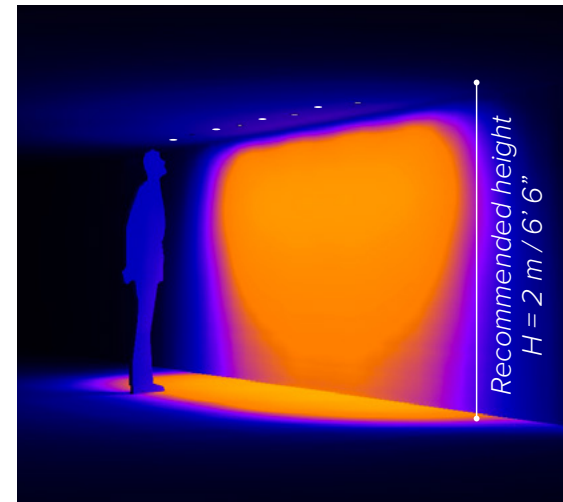
### INSIDE 40 R 4W, 220lm delivered

H 2 m 6' 6"	D <sub>MIN</sub> 0,4 m 1' 4"	S <sub>MIN</sub> 0,4 m 1' 4"
		S <sub>MAX</sub> 0,8 m 2' 7"
	D <sub>MAX</sub> 0,7 m 2' 2"	S <sub>MIN</sub> 0,7 m 2' 2"
		S <sub>MAX</sub> 1,3 m 4' 3"



### DOT 45 4W, 220lm delivered

SEE PAGE 425



20lx 50lx 100lx 200lx

## ASYMMETRICAL DOWNLIGHTS

AVAILABLE OPTIONS FOR DIFFERENT CEILING HEIGHTS



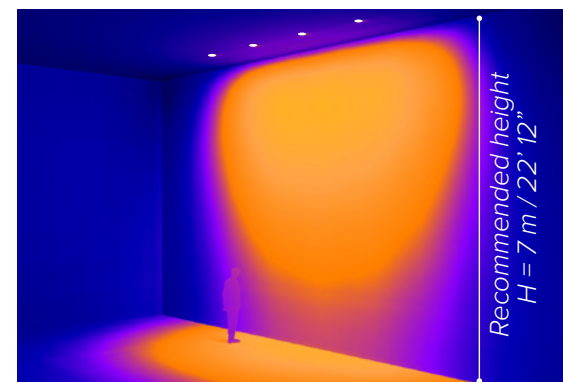
### INSIDE 120 R 30W, 2440lm delivered

SEE PAGE 391



### ATRIA X3 R 30W, 2440lm delivered

SEE PAGE 459



# ASYMMETRICAL DOWNLIGHTS



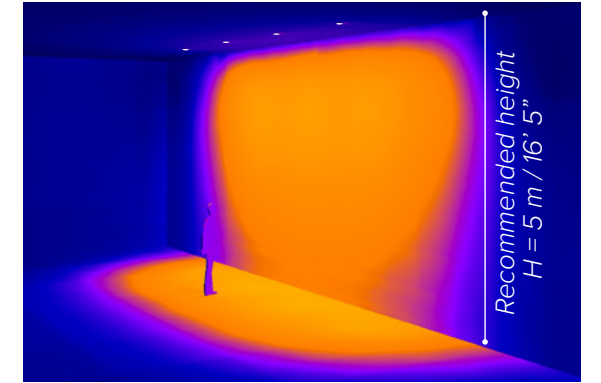
### ATRIA X3 R 23W, 2025lm delivered

SEE PAGE 459



### INSIDE 120 R 23W, 2025lm delivered

SEE PAGE 391



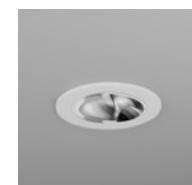
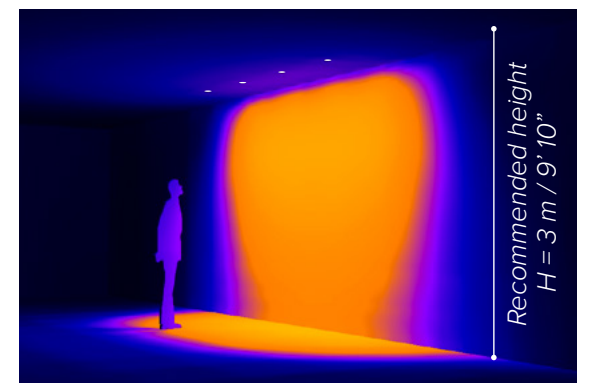
### ATRIA XS R 10W, 790lm delivered

SEE PAGE 437



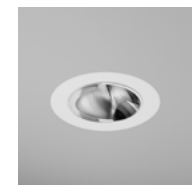
### INSIDE 75 R 10W, 790lm delivered

SEE PAGE 381



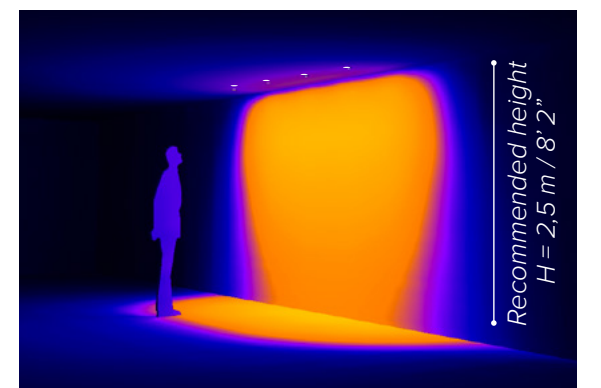
### ATRIA 60 P 6W, 570lm delivered

SEE PAGE 431



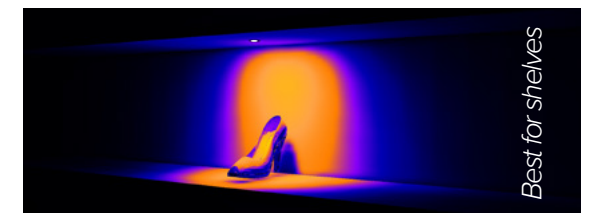
### INSIDE 60 R 6W, 570lm delivered

SEE PAGE 375



### DOT 30 1,5W, 40lm delivered

SEE PAGE 421



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 R AD


NEW

## ORDER CODE

**BASE CODE** **64165**

**A . POWER SUPPLY**

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

**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 *ONLY ON REQUEST FOR NORTH AMERICA*

**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: **64165 2 5 5 2 B A = 64165-2552BA**

## ACCESSORIES

### REQUIRED ACCESSORIES - NOT INCLUDED

code	description	dimensions mm
69537	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 asymmetrical downlight	Ø30xH45
69041	18W / max 2	198-264V 50-60Hz IP20 L124xW42xH30
69054	60W / max 8	90-305V 47-63Hz IP67 L162xW43xH32
69204	20W / max 2	99-264V 50-60Hz IP20 L103xW67xH21
69212	20W / max 2	99-264V 50-60Hz IP20 L103xW67xH21
69121	ON/OFF, 8W / max 2	90-264V 50-60Hz IP20 L115xW34xH19
69122	1-10V, 10W / max 3	99-264V 50-60Hz IP20 L111xW52xH22
69123	DALI, 10W / max 3	198-264V 50-60Hz IP20 L147xW44xH22
69086	ON/OFF, 15W / max 2	90-264V 50-60Hz IP20 L115xW34xH19
69090	1-10V, 18W / max 2	99-264V 50-60Hz IP20 L120xW52xH22
69079	DALI, 17W / max 3	110-240V 50-60Hz IP20 L120xW52xH22

**Power supply 24V DC\*, ON/OFF max No. fixtures**

**Power supply 24V DC\*, DALI max No. fixtures**

**Power supply 24V DC\*, 1-10V max No. fixtures**

**Power supply 200 mA max No. fixtures**

**Power supply 350 mA max No. fixtures**

**Class 2 power supply 200/350 mA**

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


# INSIDE 40 R

## ORDER CODE

**BASE CODE** **64159**

**A . POWER SUPPLY**

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

**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 *ONLY ON REQUEST FOR NORTH AMERICA*

**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 asymmetrical

**D . FINISHES**

**2** black RAL 9005

**6** white RAL 9003

**E . INGRESS PROTECTION**

**asymmetrical**

**A** IP30

**symmetrical**

**B** IP40

**C** IP65

**F . OUTPUT**

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

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

Example: **64159 2 5 5 2 A A = 64159-2552AA**





SYMMETRICAL REFLECTOR (36°)

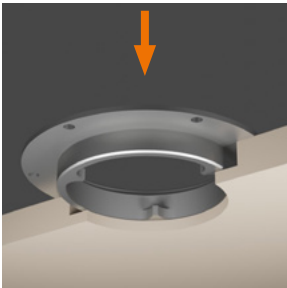
# INSIDE 40 R / INSIDE 40 R AD

MOUNTING

MILLWORK

PLASTERBOARD

**1** **MOUNTING FRAME  
CODE 69537**  
Installed from below  
(*READ INSTALLATION  
INSTRUCTIONS*)



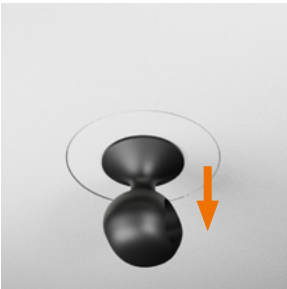
**2** **LUMINAIRE  
MOUNTED FROM  
BELOW THE CEILING**  
Using springs



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



**MAINTENANCE  
ASYMMETRICAL**  
Remove luminaire  
by pulling the suction  
cup



**1** **MOUNTING FRAME  
CODE 69375**  
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  
ASYMMETRICAL**  
Remove luminaire  
by pulling the suction  
cup

