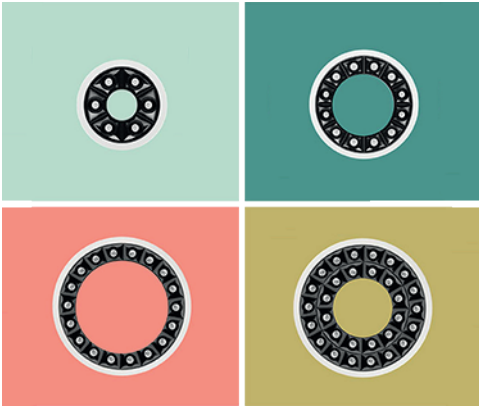
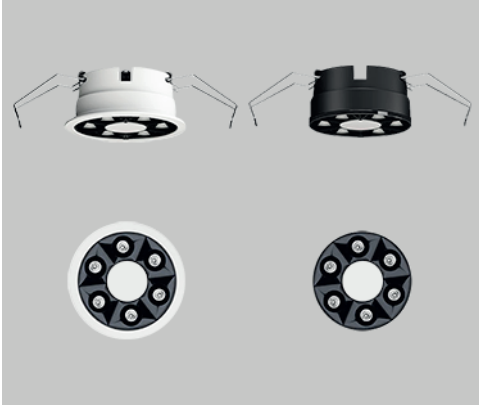




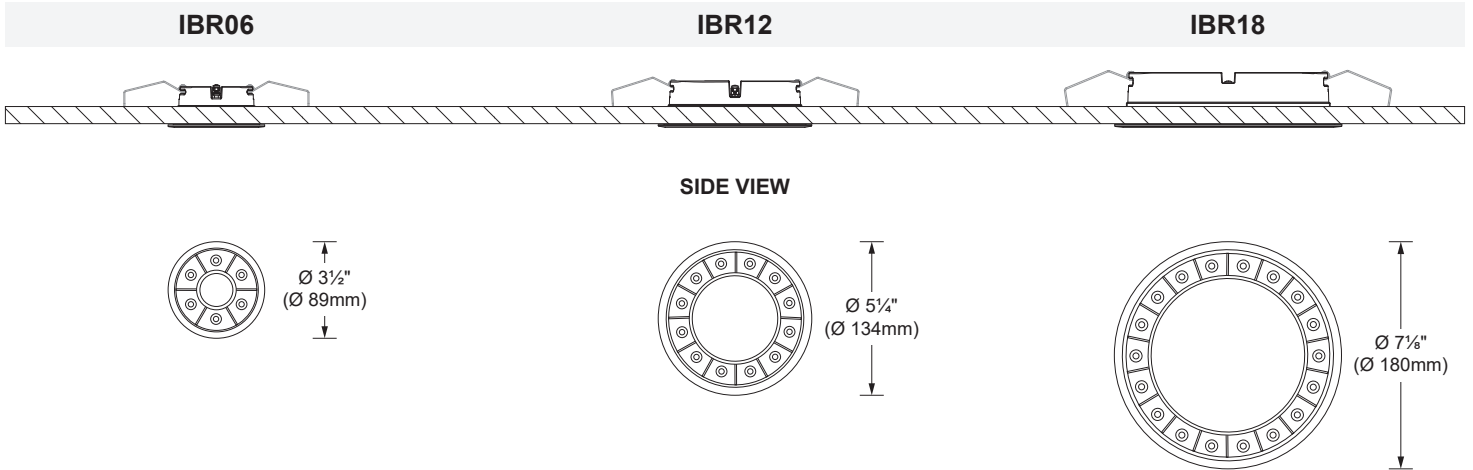
Collection of recessed downlights for architectural applications. The luminaires are equipped with high performance Opti-Beam optics system for low luminance downlights ($UGR < 10$) Blade R is available in 3 aperture sizes, trim or trimless, 3 distributions, generous outputs of up to 3800 Lumens, and excellent chromatic performance (90CRI).

Luminaire characteristic:

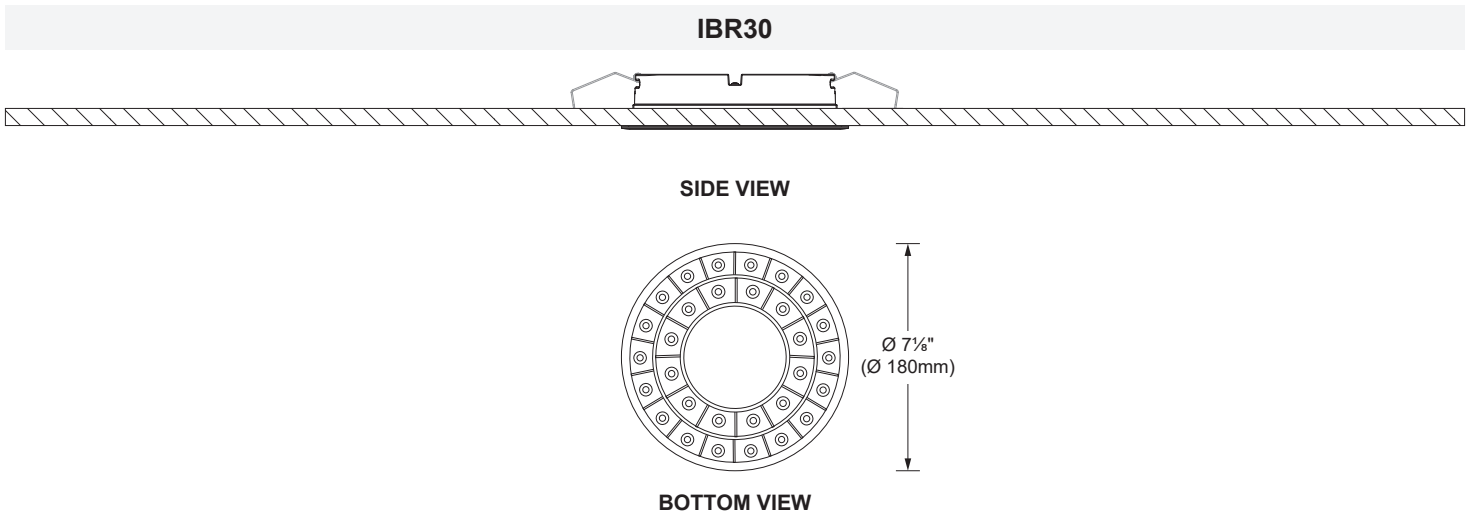
Power input: 16W to 60.5W (system wattage)
Lumens: 835lm to 3820lm (for 3000K, 90CRI)
Luminaire efficacy: Up to 67lm/W

Source:	White LED (LM-80 tested), 2700K : 90CRI, 3000K : 90CRI, 3500K : 90CRI, 4000K : 80CRI, 90CRI.
Lumen maintenance:	80% of initial lumens at 50 000 hours (L80)
Optic:	Low luminance Opti Beam technology with medium, flood and wide flood distribution. $UGR < 10$.
Material:	Body: die-cast aluminum Reflector: metalized thermoplastic Baffle: polycarbonate
Mounting:	Retrofit, New construction with plaster frame for non insulated ceiling (page 5).
Electrical:	Integral high efficiency LED driver, rated at 50 000 hours. 120V or 277V.
Dimming:	TRIAC/ELV (leading and trailing edge), 0-10V , EldoLED 0-10V , Lutron Hi Lume® (2-wire/EcoSystem™).
Finish:	See page 6 for details.
Weight:	IBR06: 0.66 lbs (0.30 kg) IBR12: 1.19 lbs (0.54 kg) IBR18: 1.51 lbs (0.69 kg) IBR30: 2.75 lbs (1.25 kg)
Warranty:	5 year limited warranty.
Rating:	IP20
Certification:	 cULus listed for damp location

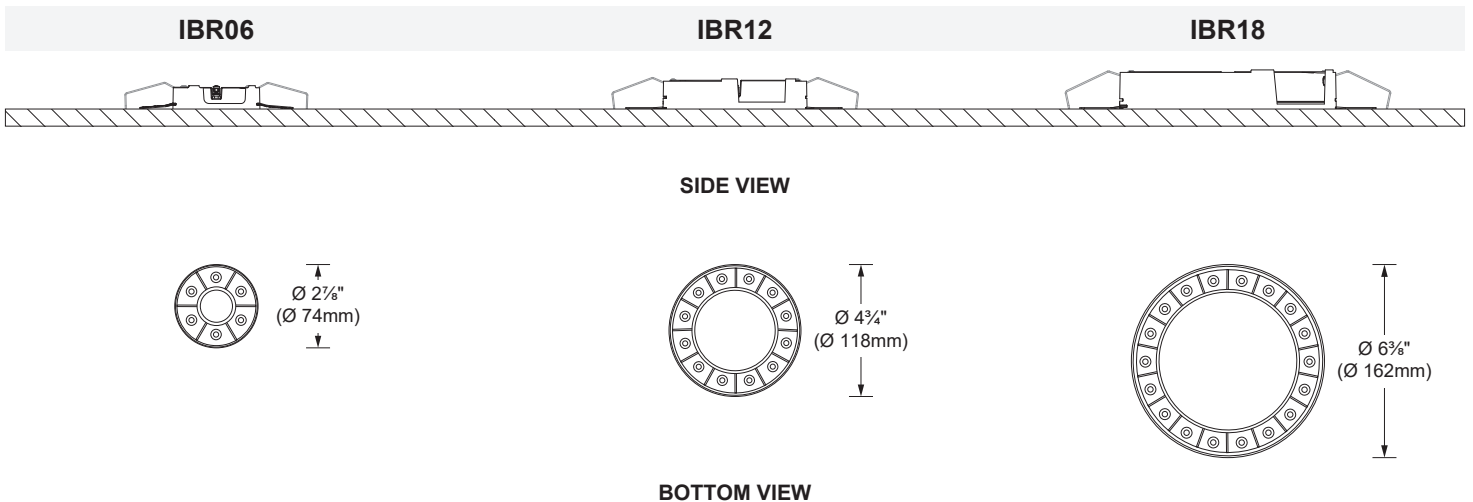
TRIM MODELS DIMENSIONS



BOTTOM VIEW



TRIMLESS MODELS DIMENSIONS



PHOTOMETRIC DATA

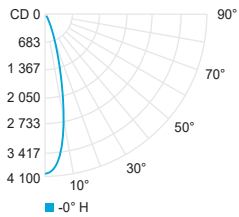
IBR06



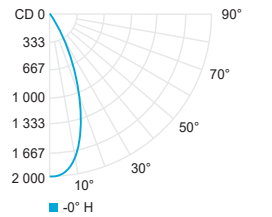
CCT (K)*	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / w)	MAX CANDELA (cd)	MODELS
3000K	90	16W	Medium 24°	835	52	4 015	IBR06-930-MD
			Flood 40°	870	54	1 985	IBR06-930-FL
			Wide flood 58°	880	55	1 140	IBR06-930-WF

*USE MULTIPLIER TABLE BELOW FOR OTHER CCT AND CRI OUTPUT DATA

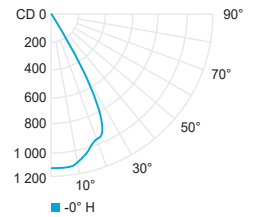
Medium 24° (3000K, 90CRI)



Flood 40° (3000K, 90CRI)



Wide flood 58° (3000K, 90CRI)



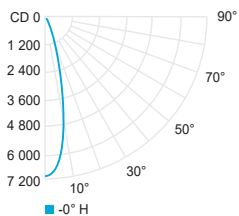
IBR12



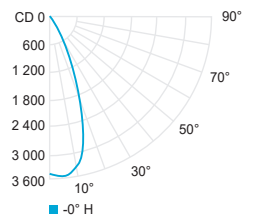
CCT (K)*	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / w)	MAX CANDELA (cd)	MODELS
3000K	90	29W	Medium 24°	1 575	54	7 120	IBR12-930-MD
			Flood 40°	1 675	57	3 565	IBR12-930-FL
			Wide flood 58°	1 700	58	2 410	IBR12-930-WF

*USE MULTIPLIER TABLE BELOW FOR OTHER CCT AND CRI OUTPUT DATA

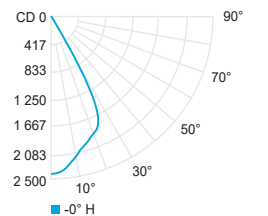
Medium 24° (3000K, 90CRI)



Flood 40° (3000K, 90CRI)



Wide flood 58° (3000K, 90CRI)

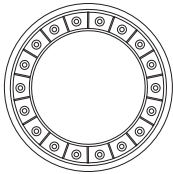


CCT options	2700K	3000K	3500K	4000K*	4000K
CRI options	90CRI	90CRI	90CRI	90CRI*	80CRI
Multiplier	0.95	1.00	0.89	1.11*	1.33

*Available for IBR06, IBR12 and IBR18 model

PHOTOMETRIC DATA

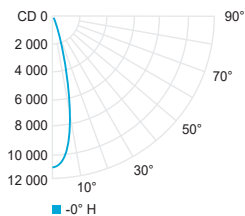
IBR18



CCT (K)*	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / w)	MAX CANDELA (cd)	MODELS
3000K	90	39.5W	Medium 24°	2 525	63	11 135	IBR18-930-MD
			Flood 40°	2 650	67	5 260	IBR18-930-FL
			Wide flood 58°	2 685	67	3 370	IBR18-930-WF

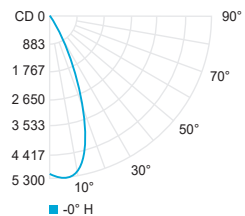
*USE MULTIPLIER TABLE BELOW FOR OTHER CCT AND CRI OUTPUT DATA

Medium 24° (3000K, 90CRI)



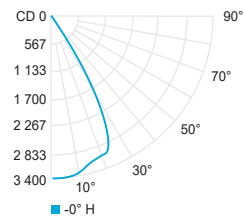
Center beam fc	Beam width ft
2ft 2 784	0.9
4ft 696	1.8
6ft 309	2.7
8ft 174	3.6
10ft 111	4.5
12ft 77.3	5.4

Flood 40° (3000K, 90CRI)



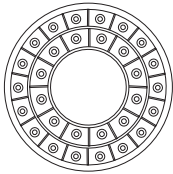
Center beam fc	Beam width ft
2ft 1 278	1.6
4ft 320	3.2
6ft 142	4.8
8ft 79.9	6.4
10ft 51.1	8.0
12ft 35.5	9.6

Wide flood 58° (3000K, 90CRI)



Center beam fc	Beam width ft
2ft 842	2.2
4ft 210	4.5
6ft 93.5	6.7
8ft 52.6	9.0
10ft 33.7	11.2
12ft 23.4	13.4

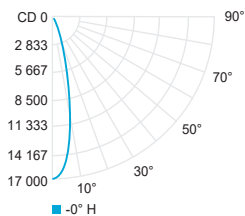
IBR30



CCT (K)*	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / w)	MAX CANDELA (cd)	MODELS
3000K	90	60.5W	Medium 24°	3 590	59	16 860	IBR30-930-MD
			Flood 40°	3 770	62	7 930	IBR30-930-FL
			Wide flood 58°	3 820	63	5 225	IBR30-930-WF

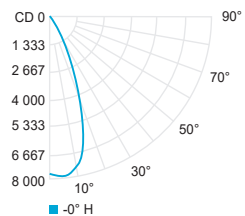
*USE MULTIPLIER TABLE BELOW FOR OTHER CCT AND CRI OUTPUT DATA

Medium 24° (3000K, 90CRI)



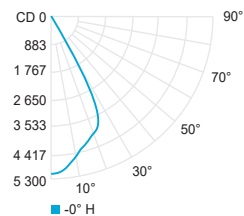
Center beam fc	Beam width ft
3.3ft 1 549	1.4
6.7ft 376	2.9
10ft 169	4.3
13.3ft 95.3	5.7
16.7ft 60.5	7.2
20ft 42.2	8.6

Flood 40° (3000K, 90CRI)



Center beam fc	Beam width ft
3.3ft 716	2.5
6.7ft 174	5.1
10ft 78.0	7.7
13.3ft 44.1	10.2
16.7ft 28.0	12.8
20ft 19.5	15.3

Wide flood 58° (3000K, 90CRI)



Center beam fc	Beam width ft
3.3ft 480	3.6
6.7ft 116	7.4
10ft 52.3	11.0
13.3ft 29.6	14.6
16.7ft 18.7	18.4
20ft 13.1	22.0

CCT options	2700K	3000K	3500K	4000K*	4000K
CRI options	90CRI	90CRI	90CRI	90CRI*	80CRI
Multiplier	0.95	1.00	0.89	1.11*	1.33

*Available for IBR06, IBR12 and IBR18 model

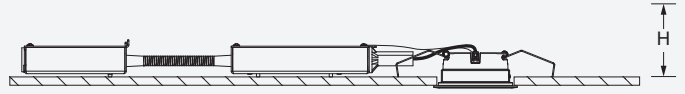
INSTALLATION OPTIONS

Remodel (RF)

Versatile fixture for new or existing ceiling structure. Suitable for non-insulated ceiling assemblies, like sheetrock or paneling. Fixture is ready for remodeling installation. Trimless frame kit and fixture can be shipped separately. Installation from below.

Ceiling thickness:

Trim: 1/8" to 1 1/8" (3mm - 29mm)
Trimless: 3/8" (16mm)



Model	Mounting	Trimless frame kit	Cut-out dimension	Clearance (H)
IBR06	Trim		Ø 3 3/8" (Ø 86mm)	4" (102mm)
	Trimless	TK-BR06TL-RF		6" (152mm)
IBR12	Trim		Ø 5 1/8" (Ø 130mm)	4" (102mm) ⁽¹⁾
	Trimless	TK-BR12TL-RF		4.5" (114mm) ⁽²⁾
IBR18	Trim		Ø 6 7/8" (Ø 175mm)	5" (127mm) ⁽¹⁾
	Trimless	TK-BR18TL-RF		6.5" (165mm) ⁽²⁾
IBR30	Trim			4" (102mm)

⁽¹⁾ Clearance rated for **LTE** or **D10** dimming.

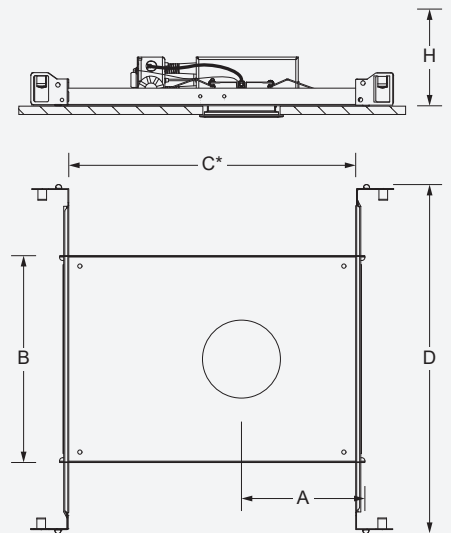
⁽²⁾ Clearance rated for **D2B**, **D3** or **D01** dimming.

New construction with plaster frame (NC)

Plaster frame with hanger bars system to be installed during rough-in phase. Suitable for non-insulated new construction ceiling assemblies, like sheetrock, acoustic tiles or paneling. Plaster frame and fixture can be shipped separately.

Ceiling thickness:

Trim: 1/8" to 1 1/8" (3mm - 29mm)
Trimless: 3/8" (16mm)



*Provide a minimum of 1 1/4" (46mm) on each side for the hanger bar fixations

Model	Mounting	Plaster Frame	Cut-out dimensions	Cut-out position (A)	Overall dimensions (BxC)	Hanger bars (D)	Clearance (H)	
IBR06	Trim	BN-BR06TR-NC	Ø 3¼" (Ø 83mm)	5" (127mm)	8½" x 12" (219mm x 304mm)	9" to 15¼" (229 to 387mm)	4" (102mm)	
	Trimless	BN-BR06TL-NC	Ø 3⅜" (Ø 86mm)				6" (152mm)	
IBR12	Trim	BN-BR12TR-NC	Ø 5" (Ø 127mm)	6½" (165mm)			4" (102mm) ⁽¹⁾	
	Trimless	BN-BR12TL-NC	Ø 5⅞" (Ø 130mm)				4.5" (114mm) ⁽²⁾	
IBR18	Trim	BN-BR18TR-NC	Ø 6¾" (Ø 172mm)	3⅜" (86mm)	9" x 18" (229mm x 458mm)		5" (127mm) ⁽¹⁾	
	Trimless	BN-BR18TL-NC	Ø 6⅞" (Ø 175mm)				6.5" (165mm) ⁽²⁾	
IBR30	Trim	BN-BR30TR-NC	Ø 6¾" (Ø 172mm)					4" (102mm)
	Trimless	BN-BR30TL-NC	Ø 6⅞" (Ø 175mm)					4" (102mm)

⁽¹⁾ Clearance rated for **LTE** or **D10** dimming.

⁽²⁾ Clearance rated for **D2B**, **D3** or **D01** dimming.

ACCESSORIES

(TO BE ORDERED SEPARATELY)

☐ **IPA89-02** - Black central cover for Blade R 06



☐ **IPA90-02** - Black central cover for Blade R 12



☐ **IPA91-02** - Black central cover for Blade R 18 and 30



ORDERING INFO

IBR - - - - -
FIXTURE

- **BR** -
PLASTER FRAME

MODEL

☐ **06** - Six ☐ **12** - Twelve ☐ **18** - Eighteen ☐ **30** - Eighteen + twelve

MOUNTING

☐ **TR** - Trim ☐ **TL** - Trimless⁽¹⁾

INSTALLATION

☐ **RF** - Remodel (No plaster frame) ☐ **NC** - New construction plaster frame

LED

☐ **927** - 2700K, 90 CRI ☐ **930** - 3000K, 90 CRI ☐ **935** - 3500K, 90 CRI ☐ **940** - 4000K, 90 CRI⁽¹⁾ ☐ **840** - 4000K, 80 CRI

OPTIC

☐ **MD** - Medium 24° ☐ **FL** - Flood 40° ☐ **WF** - Wide flood 58°

VOLTAGE

☐ **120** - 120V ☐ **277** - 277V

FINISH* (Trim finish / Baffle finish)

	White Trim	Black Trim	Trimless
Black baffle	☐ 01 - White/Black	☐ 02 - Black/Black	☐ 02 - Black
White baffle	☐ 31 - White/White		☐ 31 - White

DIMMING**

☐ **D10** - 0-10V ☐ **LTE** - Leading and trailing edge (120V only) ☐ **D01** - EldoLED 0-10V (down to 1%)⁽²⁾ ☐ **D2B** - Lutron Hi Lume® 1% EcoSystem™⁽³⁾ (Soft-on, Fade to Black)

☐ **D3** - Lutron Hi Lume® 1% 2-wire (120V forward phase only)⁽²⁾

⁽¹⁾Available for six (06), twelve (12) and eighteen (18) models.

⁽²⁾Available for twelve (12), eighteen (18) and eighteen + twelve (30) models.

⁽³⁾Available for twelve (12).

*Central cover always supplied in white. Black central cover can be ordered separately.

**For 0-10V and leading and trailing edge (D10 and LTE), the dimming levels will vary depending on the dimmer used and the number of luminaires on the line. See dimmer compatibility chart.