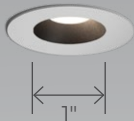


PETITE DOWNLIGHT

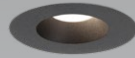
ROUND RECESSED ADJUSTABLE



Flanged Trim



Flush Flanged Trim



Flanged Trim Cut Cone



Trimless



Glow Ring



The Petite family strikes that perfect balance of compact size, streamlined aesthetics, and high performance. Through their 1" lens apertures, these meticulously engineered downlight, cylinder, and multi-aperture luminaires breathe light into spaces with a quiet, straightforward sophistication.

Beam Angles



Light Source

Static White

SOLA

DUO

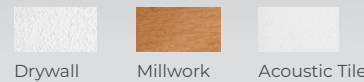


Performance

LUMEN OUTPUT ¹	WATTS	EFFICACY
505 lm	7 W	72 lm/W
667 lm	10 W	67 lm/W
897 lm	14 W	64 lm/W

¹ Lumen packages are assuming 3500K, 90 CRI, 45° beam, flush trim.

Ceiling Types



Plenum Clearance

As low as 1 3/4"



Petite Family (Refer to other spec sheets)

Downlight



Adjustable Recessed Wall Wash

Multi-aperture



Adjustable Recessed Wall Wash

Cylinder



Pendant Surface

PETITE DOWNLIGHT

ROUND RECESSED ADJUSTABLE



Project: _____

Type: _____

Order Guide

LUMINAIRE ID ¹	TRIM STYLE	LENS	CEILING THICKNESS	INSTALLATION TYPE ⁴	MOUNTING OPTION ⁷	
UP TO 15° PETRAA15 ² - Petite Round Recessed Adjustable UP TO 30° PETRAA30 ³ - Petite Round Recessed Adjustable Cut Cone ¹ Recessed (fixed) and Recessed Wall Wash also available. Consult other spec sheets. ² Adjustability: Up to 15° tilt, 355° rotation. ³ Adjustability: Up to 30° tilt, 355° rotation.	PETRAA15 Adjustable TRM - Flanged trim TRMP - Flush flanged trim drywall mudplate TRMW - Flush flanged trim millwork TLMP - Trimless drywall mudplate TLMW - Trimless millwork GLR - Glow ring	PETRAA30 Adjustable Cut Cone TRMC - Flanged trim cut cone TRMPC - Flush trim drywall mudplate cut cone TRMWC - Flush trim drywall millwork cut cone	At baffle SDL - Soft diffused lens, Solite NOL - No lens	11N - Up to 1"	IC ⁵ - Type-IC NIC ⁶ - Type Non-IC CP ⁵ - Chicago Plenum Type-IC (CCEA) ⁴ See page 3 for more details. ⁵ Up to 10 W. ⁶ Up to 14 W.	ASB - Adjustable standard bar hangers FMB - Flush mount bars ACB - Adjustable commercial bar hangers AHC - Adjustable hat channel bars NA - None ⁷ See page 5 for more details.
LIGHT SOURCE	BEAM	COLOR QUALITY	CRI	COLOR TEMPERATURE	DRIVER	
SW - Static white	35DEG - 35° Narrow flood 45DEG - 45° Flood 60DEG ⁸ - 60° Very wide flood ⁸ Only available with TLMP and TLMW trim options. ⁹ Not available with TLMP and TLMW trim options.	2STP - 2 Step MacAdam Ellipse 3STP - 3 Step MacAdam Ellipse	90CRI - 90 CRI 95CRI - 95 CRI 80CRI - 80 CRI	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	INTEGRAL ¹⁰ ¹⁰ Access above the ceiling is required.	
SOLA - Dim-to-warm single channel control DUO - Tunable white 2-channel control	45DEG ⁹ - 45° Flood 60DEG ⁹ - 60° Very wide flood	3STP - 3 Step MacAdam Ellipse	90CRI - 90 CRI	SOLA 30K18K - 3000K to 1800K 27K18K - 2700K to 1800K DUO 65K27K - 6500K to 2700K 50K27K - 5000K to 2700K	REMOTE ¹¹ ¹¹ A remote driver box is provided, see page 4 for details.	
VOLTAGE	WATTAGE	DIMMING ¹⁶	BAFFLE FINISH Specify NA for Glow ring	TRIM FLANGE FINISH Specify NA for Glow ring and Trimless		
120V - 120V 277V - 277V UNV - 120V-277V	7W - 7 W, up to 505 lm 10W ¹³ - 10 W, up to 667 lm 14W ¹⁴ - 14 W, up to 897 lm ¹³ Available with 90 CRI when specified with Type-IC/CP. ¹⁴ Only available with 90 CRI when specified with Type-NIC. ¹⁵ Not available with Type-IC/CP.	D1 - 1% 0-10V ELV ¹⁷ - ELV 120V TRI ¹⁷ - TRIAC 120V ELD1 - eldoLED 1% ECOdrive 0-10V ELD0 - eldoLED 0.1% SOLOdrive 0-10V PEQ0* - Lutron Hi-lume Premier 0.1% EcoSystem ¹⁶ PoE (Power-over-Ethernet) compatible. Consult factory for details. ¹⁷ Available with 120V only. ¹⁸ On-site commissioning is required.	FTMW - Textured matte white FTMB - Textured matte black FSPC - Specular FSSPC - Semi-specular FCHP - Champagne CF# - Custom finish, specify RAL# NA - Not applicable	FTMW - Textured matte white FTMB - Textured matte black FSPC - Specular FSSPC - Semi-specular FCHP - Champagne CF# - Custom finish, specify RAL# NA - Not applicable		
	SOLA 10W - 10 W output, up to 357 lm 14W ¹⁵ - 10 W output, up to 475 lm	SOLA SDI - Single 0-10V input SELV ¹⁷ - ELV 120V STRI ¹⁷ - TRIAC 120V				

FOR FULL REMOTE DRIVER SPECIFICATION, SEE "REMOTE DRIVER" SECTION BELOW.

REMOTE DRIVER

Ordered separately. Specify each required remote driver box on a separate line.

REMOTE DRIVER ¹⁸	LUMINAIRE QTY.	LUMINAIRE ID	VOLTAGE	WATTAGE	DIMMING ²⁴
RDB					
RDB - Remote driver ¹⁸ Specify each required remote driver box on a separate line.	1X - 1 luminaire 2X - 2 luminaires 3X - 3 luminaires	UP TO 15° PETRAA15 ¹⁹ - Petite Round Recessed Adjustable UP TO 30° PETRAA30 ²⁰ - Petite Round Recessed Adjustable Cut Cone ¹⁹ Adjustability: Up to 15° tilt, 355° rotation. ²⁰ Adjustability: Up to 30° tilt, 355° rotation.	120V - 120V 277V - 277V UNV - 120V-277V 347V ²¹ - 347V ²¹ Available with RD1 driver only. Please consult factory.	7W - 7 W, up to 605 lm 10W - 10 W, up to 798 lm 14W ²² - 14 W, up to 1074 lm 16W ²³ - 14 W, up to 1163 lm ²² Only available with 90 CRI when specified with Type-IC/CP. ²³ Not available with Type-IC/CP.	RD1 - 1% 0-10V RELV ²⁵ - ELV 120V RTRI ²⁵ - TRIAC 120V RLDEI ²⁶ - Lutron Hi-lume 1% Eco RDA ²⁶ - DALI ²⁵ Available with 120V only. ²⁶ On-site commissioning is required. ²⁷ For emergency battery, code will be like the following example: RD1+EB.
			SOLA 10W - 10 W output, up to 428 lm 14W ²³ - 10 W output, up to 567 lm DUO 7W - 7 W output, up to 251 lm	SOLA RSDI - Single 0-10V input RSELV ²⁵ - ELV 120V RSTRI ²⁵ - TRIAC 120V RD1 - 1% 0-10V RELV ²⁵ - ELV 120V RTRI ²⁵ - TRIAC 120V RLDEI ²⁶ - Lutron Hi-lume 1% Eco RDA ²⁶ - DALI ²⁵ Available with 120V only. ²⁶ On-site commissioning is required. ²⁷ For emergency battery, code will be like the following example: RD1+EB.	

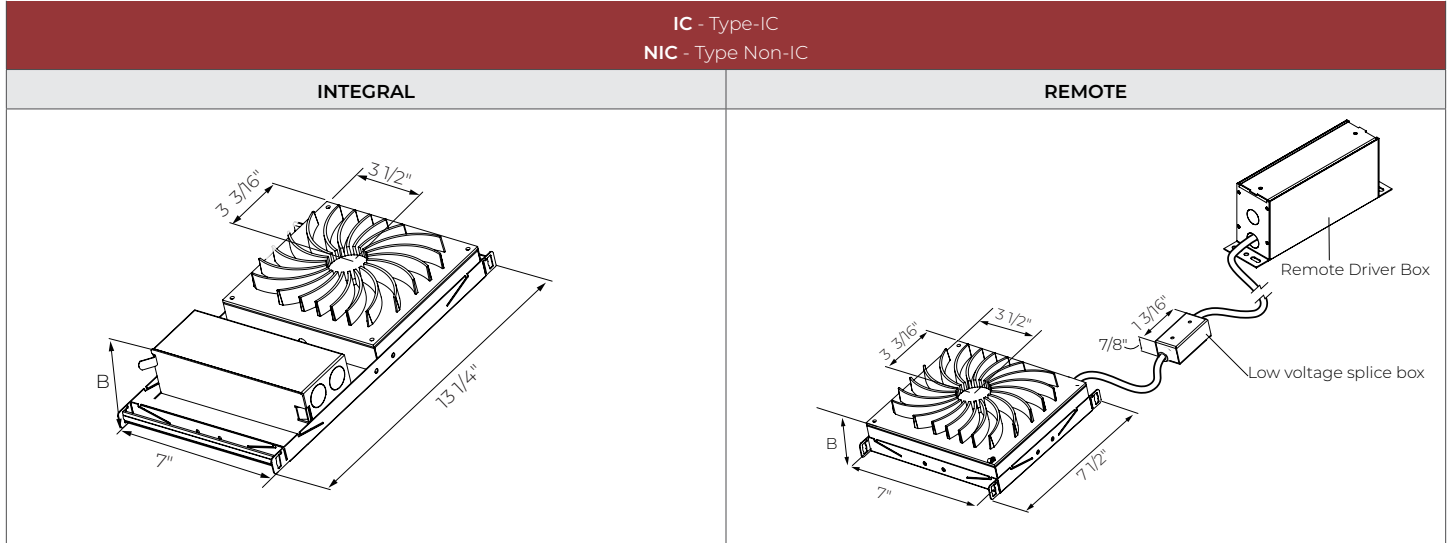


PETITE DOWNLIGHT

ROUND RECESSED ADJUSTABLE



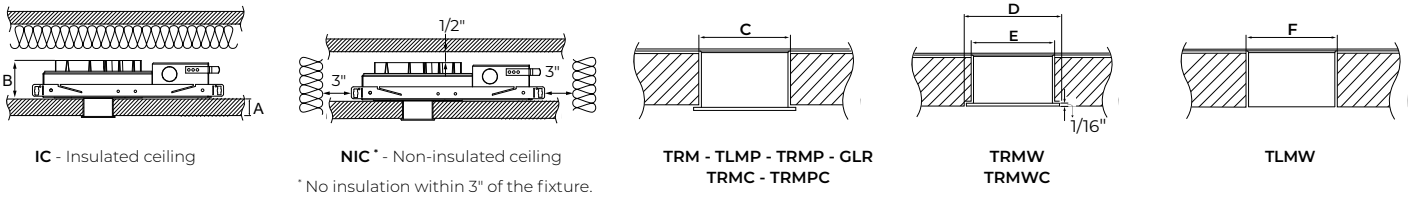
Installation Types



For integral, access above the ceiling is required.
For dimension B, see the PLENUM CLEARANCE table below.

PLENUM CLEARANCE

CUT-OUT DIMENSIONS



IC - Insulated ceiling

NIC* - Non-insulated ceiling

* No insulation within 3" of the fixture.

TRM - TLMP - TRMP - GLR
TRMC - TRMPC

TRMW
TRMWC

TLMW

PLENUM CLEARANCE HEIGHT AND CEILING THICKNESS			
		IC - TYPE IC	NIC - TYPE NON-IC
A	Ceiling Thickness	1IN	1IN
B	Integral Remote	2 1/8" (FMB) 4" (ASB, ACB, AHC)	2 5/8" (FMB) 4" (ASB, ACB, AHC)

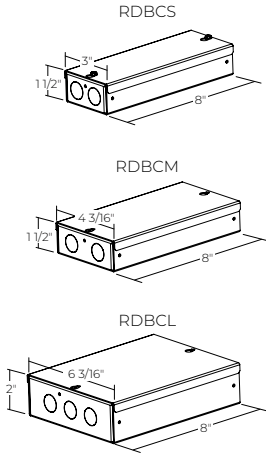
	PETMRA15 Adjustable	PETMRA30 Adjustable Cut Cone	CUT-OUT DIMENSIONS		
			Drywall	Acoustic Tile	Millwork
C	TRM	TRMC	Ø 1 11/16"		N/A
	TRMP / TLMP	TRMPC	Ø 1 1/16"	N/A	
	GLR	NA	Ø 1 11/16"		
D	TRMW	TRMWC	N/A		Ø 1 13/16"
E	TLMW	NA	N/A		Ø 1 11/16" with 1/16" lip
F	TLMW	NA	N/A	Ø 1 11/16"	

PETITE DOWNLIGHT

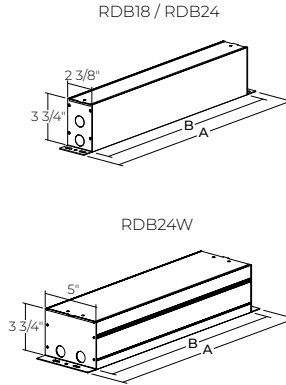
ROUND RECESSED ADJUSTABLE



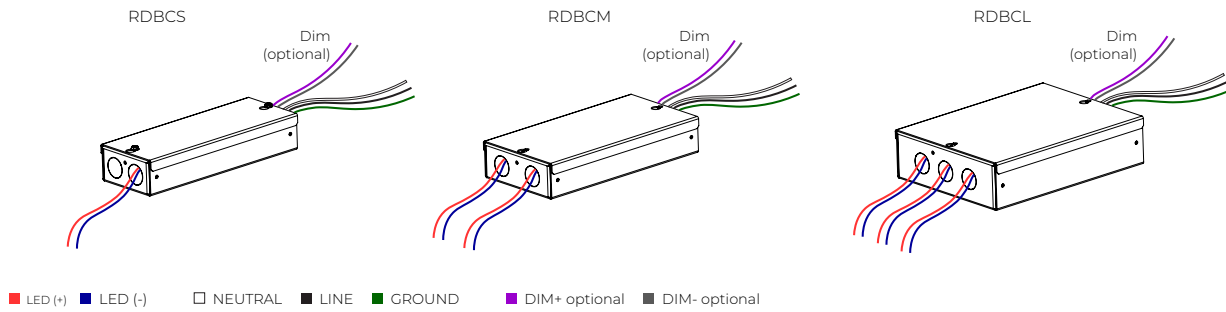
REMOTE DRIVER BOX



DRIVER	RDB	# DRIVERS
RD1	RDBCS	1X
	RDBCM	2X
	RDBCL	3X
RELV RTRI RDA RELD0 RELD1	RDBCS	1X
	RDBCM	2X, 3X



DRIVER	RDB	A	B
RLDE1	RDB18	20"	18"
RDMX RDDA RDDA8 RDD1 RPSQ0	RDB24	26"	24"
RD1+EB RELV+EB RTRI+EB			
RLDE1+EB RDA+EBI RELD1+EB RELD0+EB	RDB24W	26"	24"



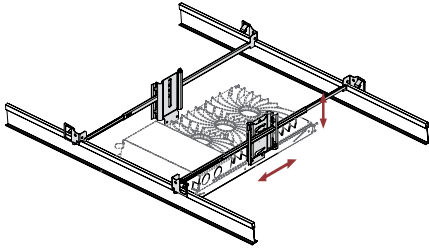
PETITE DOWNLIGHT

ROUND RECESSED ADJUSTABLE



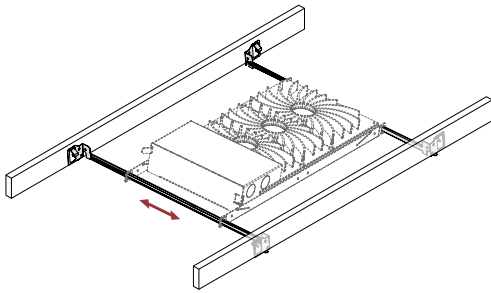
Mounting Options

ASB - Adjustable Standard Bar Hangers



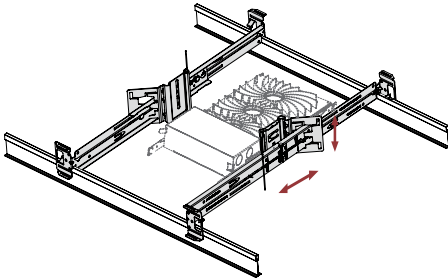
Adjustable Standard Bar hangers can be used in both commercial and residential applications and are adjustable to various heights in both Grid Ceiling and Drywall mounting. ASB hangers are less rigid and versatile than ACB hangers.

FMB - Flush Mount Bars



Flush Mount Bars are best used in residential applications, fitting snug to the surface and suitable for Wood, Metal, and Drywall mounting. The flush mounted bars are static and can't be adjusted.

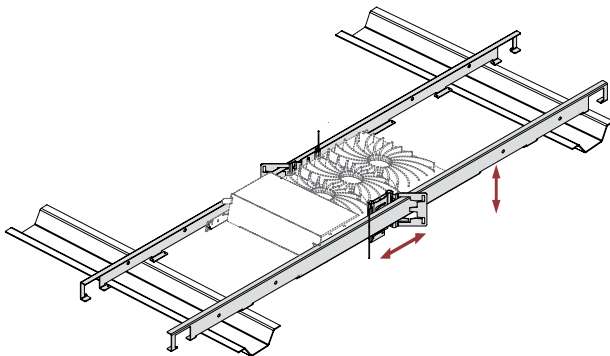
ACB - Adjustable Commercial Bar Hangers



Adjustable Commercial Bar hangers can be used in both commercial and residential applications and are by far the most versatile mounting bar we offer with its adjustability to various heights. ACB hangers are suitable for Grid Ceiling, Drywall, Metal, Wood and Frame mounting.

- Extremely rigid
- Fits into C-Channel notches in a Butterfly Bracket

AHC - Adjustable Hat Channel Bars



Adjustable Hat Channel bars can be used in both commercial and residential applications and come with a butterfly clip to adjust to various heights. AHC bars can be hung downward by 90 degrees in vertical position, and once wired, can be shifted onto the horizontal mounting plane. AHC bars are suitable for both Drywall and wood ceiling applications.

PETITE DOWNLIGHT

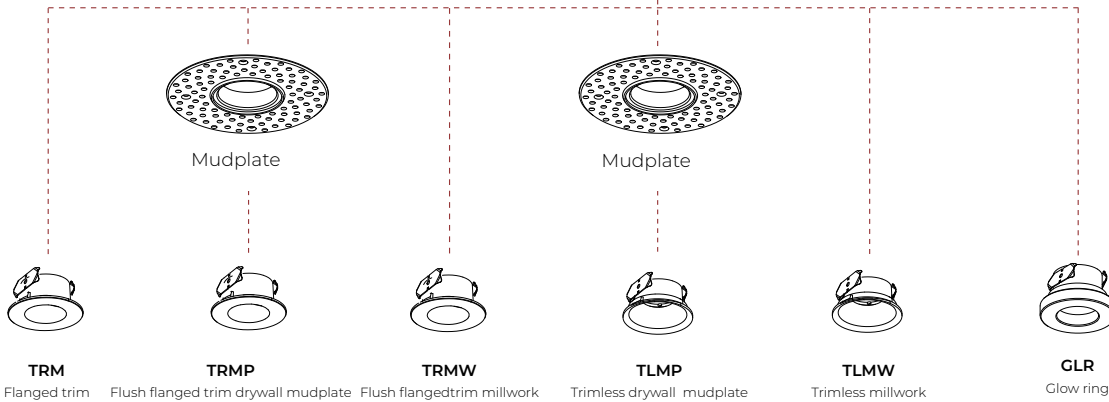
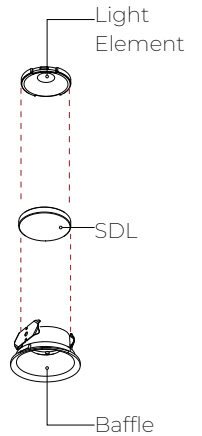
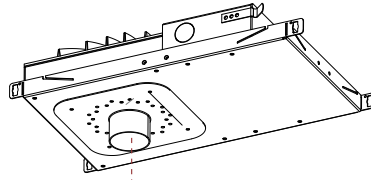
ROUND RECESSED ADJUSTABLE



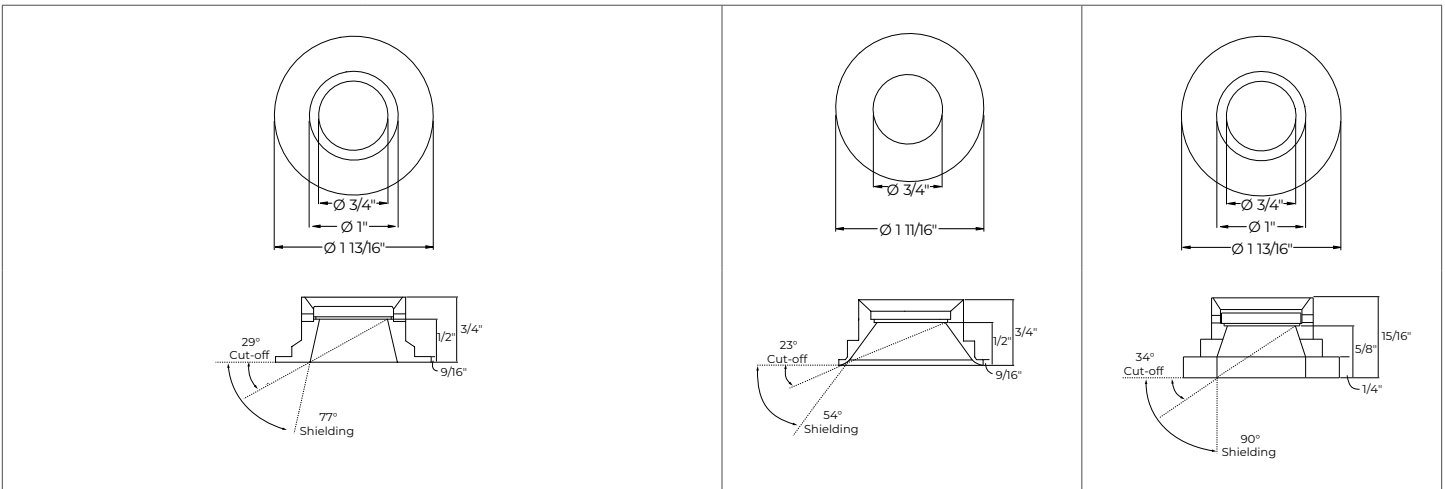
Trim Style

RECESSED ADJUSTABLE

Lens



TRM - Flanged Trim	TRMP - Flush Flanged Trim Drywall Mudplate TRMW - Flush Flanged Trim Millwork	TLMW - Trimless Drywall Mudplate TLMW - Trimless Millwork	GLR - Glow Ring



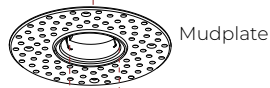
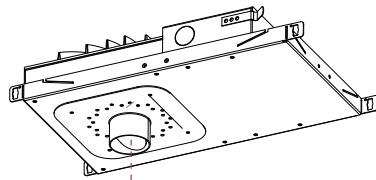
PETITE DOWNLIGHT

ROUND RECESSED ADJUSTABLE



Trim Style

RECESSED ADJUSTABLE CUT CONE



TRM
Flanged trim

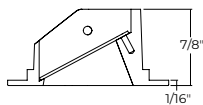
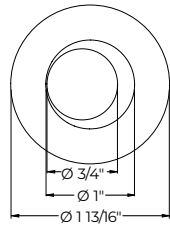


TRMP
Flush flanged trim drywall
mudplate



TRMW
Flush trim millwork

TRM - Flanged Trim	TRMP - Flush Flanged Trim Drywall Mudplate TRMW - Flush Flanged Trim Millwork



PETITE DOWNLIGHT

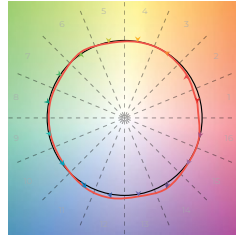
ROUND RECESSED ADJUSTABLE



Color Quality

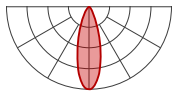
COLOR QUALITY - 3500K

TM-30 R _r	91
TM-30 R _g	100
CRI	90
R9	> 50



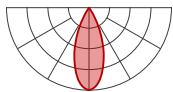
Photometrics

Values calculated based on 3500K, 90 CRI, and with no lens.
The light distribution will vary depending on baffle finish and trim style.



35DEG - 35° Narrow flood

		ADJUSTABLE 0-15						ADJUSTABLE 0-30					
WATTAGE		7W		10W		14W		7W		10W		14W	
Trim Style	Baffle Finish	lm	lm/W	lm	lm/W	lm	lm/W	lm	lm/W	lm	lm/W	lm	lm/W
Trim	White	425	61	529	53	712	51	359	51	512	51	717	51
	Black Champagne	327	47	432	43	581	41	330	47	472	47	661	47
	Specular Semi-specular	382	54	505	50	679	48	357	51	509	51	713	51
Trimless	White	449	64	592	59	797	57	NA	NA	NA	NA	NA	NA
	Black Champagne	413	59	545	54	734	52	NA	NA	NA	NA	NA	NA
	Specular Semi-specular	283	40	589	59	793	57	NA	NA	NA	NA	NA	NA
Glow Ring		406	58	535	53	720	51	NA	NA	NA	NA	NA	NA

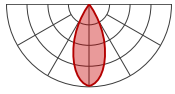


45DEG - 45° Flood

		ADJUSTABLE 0-15						ADJUSTABLE 0-30					
WATTAGE		7W		10W		14W		7W		10W		14W	
Trim Style	Baffle Finish	lm	lm/W	lm	lm/W	lm	lm/W	lm	lm/W	lm	lm/W	lm	lm/W
Trim	White	425	61	561	56	755	54	359	51	584	58	818	58
	Black Champagne	344	49	454	45	611	44	330	47	504	50	705	50
	Specular Semi-specular	407	58	538	54	724	52	357	51	556	56	778	55
Trimless	White	505	72	667	67	897	64	NA	NA	NA	NA	NA	NA
	Black Champagne	436	62	575	57	774	55	NA	NA	NA	NA	NA	NA
	Specular Semi-specular	481	69	634	63	854	61	NA	NA	NA	NA	NA	NA
Glow Ring		408	58	539	54	725	52	NA	NA	NA	NA	NA	NA

PETITE DOWNLIGHT

ROUND RECESSED ADJUSTABLE



60DEG - 60° Very wide flood

		ADJUSTABLE 0-15						ADJUSTABLE 0-30					
WATTAGE		7W		10W		14W		7W		10W		14W	
Trim Style	Baffle Finish	lm	lm/W	lm	lm/W	lm	lm/W	lm	lm/W	lm	lm/W	lm	lm/W
Trim	White	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Black Champagne	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Specular Semi-specular	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trimless	White	318	45	419	42	564	40	NA	NA	NA	NA	NA	NA
	Black Champagne	247	35	326	33	439	31	NA	NA	NA	NA	NA	NA
	Specular Semi-specular	283	40	373	37	502	36	NA	NA	NA	NA	NA	NA
Glow Ring		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MULTIPLIERS

Please follow the multiplier tables to ensure correct lumen value. CCT, CRI, and lensing will change the lumen value.

CCT		CRI		LENS	
2700K	0.91	80 CRI	1	SDL-Soft diffused lens, Solite	0.91
3000K	0.96	90 CRI	1	No lens	1
3500K	1	95 CRI	0.77		
4000K	1.01				

For SOLA and DUO, please consult factory.



PETITE DOWNLIGHT

ROUND RECESSED ADJUSTABLE



Technical Specifications

OPTIC

The CircaFlex™ Optic uses advanced beam-splitting technology to allow light to follow an intended optical path with maximal precision, minimal spread, and even distribution.

LIGHT SOURCE

Compact COB (Chip-On-Board) LED module, available in 2700K, 3000K, 3500K and 4000K with a choice of 80 CRI, 90 CRI, or 95 CRI, with elevated R9 value for 90 CRI and above. Color consistency is maintained to within 2 SDCM. All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

CHROMAWERX

Chromawerx SOLA

Chromawerx SOLA is single-channel control that dims output while warming the color temperature in a pre-determined relationship. Two color temperature range options are offered: 3000K to 1800K, and 2700K to 1800K. A simple analog control adjusts a specially populated LED array to emulate the effect of dimming a filament source.

Chromawerx DUO

Chromawerx DUO offers a two-channel control system which uses analog or digital protocols for synchronous control of both cool to warm LED arrays - maintaining a CRI above 90. Two color temperature range options are offered: 6500K to 2700K, and 5000K to 2700K. The range of color DUO offers is useful for entraining circadian rhythms, stimulating alertness, and compensating for jet lag among other applications. The Chromawerx drivers are programmed to limit maximum light output and power usage across all color temperatures. When paired with DALI drivers (DDA/DDA8), color tuning follows a linear dimming curve.

ELECTRICAL

Unless otherwise specified, dimming down to 1%. At maximum driver load: efficiency > 84%, PF > 0.9, THD < 20%.

Integral: 0-10V, ELV, TRIAC, eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, Lutron Hi-lume Premier 0.1% EcoSystem.

Remote: 0-10V, ELV, TRIAC, Lutron Hi-lume 1% Eco, DALI, eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, Lutron Hi-lume Premier 0.1% EcoSystem, DMX, Lutron T-series (tunable white).

Emergency Battery Option: Remotely-installed, long-life, high-temperature, maintenance-free, Bodine Lithium-Ion battery pack with self-test functionality, test switch and charge indicator. IOTA and Fulham options available upon request. Minimum of 90 minutes operation, and recharge time of 24 hours. For fixtures less than 10W, the battery provides 6W of emergency light output. For fixtures 10W and over, the battery provides 10W.

PoE

Depending on the PoE manufacturer selected, Lumenwerx will install the node in factory as either integral to the luminaire, or as a remote module. Factory programming of the PoE node may or may not enable the following functionalities: lumen package, DUO (tunable white), QUADRO (RGBW), emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

CONSTRUCTION

Housing: For new construction, 20 gauge powder coated steel. 18 gauge galvanized steel junction box with ½" trade size knockouts. Adjustable hanger bars and butterfly brackets are included. Adjustable commercial hat channel and flush mounted brackets are also available.

Baffle: Die-cast aluminum mounted with retaining spring clips

Glow ring: Acrylic. Not available with PETRRA30

Heat sink: Die-cast aluminum.

WEIGHT

Integral: 4 lbs - 1.8 kg

Remote: 2.1 lbs. - 0.95 kg

LENS



Soft diffused lens, Solite

ENVIRONMENT

Ambient temperature at fixture location shall be within 0°C/32°F - 25°C/77°F, indoor dry or damp as well as outdoor damp use (canopies or marquees).

CERTIFICATION

ETL: Rated for Indoor dry/damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

WARRANTY

Lumenwerx provides a five-year limited warranty on electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.