Project Name _____ **Qty** _____

Type _____ **Catalog / Part Number** _____

Round trim
(Deep decorative bezel shown with 1 in ceiling springs)
Round trim ceiling cutout: Ø4.5 in

Square trim
(Deep decorative bezel shown with 1 in ceiling springs)
Square trim ceiling cutout: 4.5 in x 4.5 in
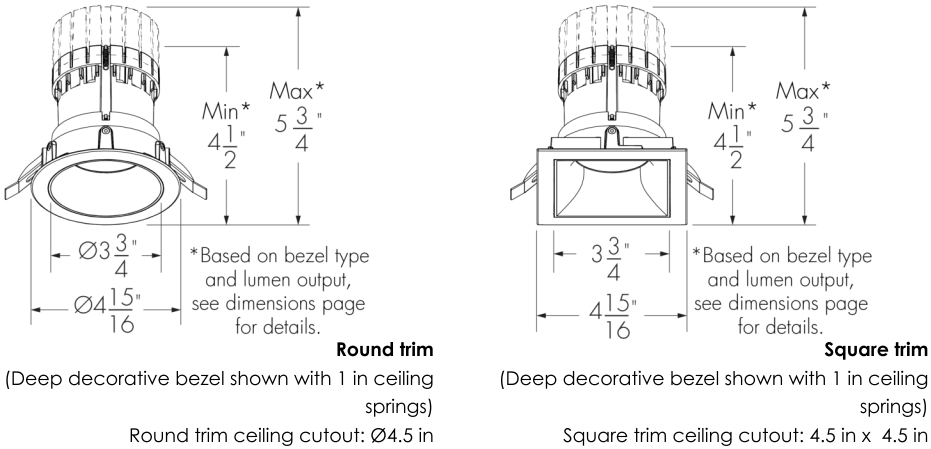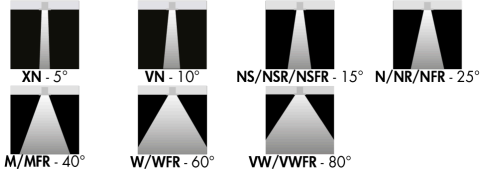
Photometric Summary

Based on Narrow Optic (nominal 25°), 4000K, CRI 90+

Nominal output [lm]	Delivered output [lm][1]	Insulated ceiling		Non-insulated ceiling	
		Power (120V) [W]	Efficacy [lm/W]	Power (120V) [W]	Efficacy [lm/W]
700	828	6.5	127	8.5	97
1000	1,070	8	134	10	107
1300	1,484	11	135	13	114
2000	2,313	18	129	20	116

[1] Consult website for latest IES files.

Optics

XN - 5° VN - 10° NS/NSR/NSFR - 15° N/NR/NFR - 25°
M/MFR - 40° W/WFR - 60° VW/VWFR - 80°

Color and Color Temperature

2200K   2700K   3000K   3500K   4000K

D$_{TW}$ D$_{TWP}$ D$_{WH}$ D$_{WW}$ D$_{WWP}$
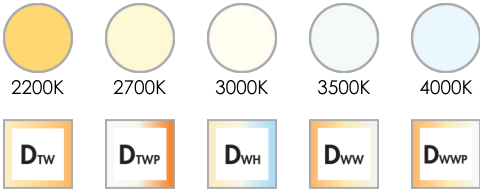
Color Rendering

CRI 80+   CRI 90+   CRI 95+

Description

The Lumencore Recessed Small Downlight is a high-performance LED downlight for ceiling applications. Available in an array of trims and finishes, outputs (up to 4000lm), optics, color renderings, accessories, and a WET IP54 option, these luminaires are here to outperform. The Lumencore Recessed Small Downlight possesses a previously unseen lifespan, is quick to install, and can be used with a number of different control options.

Physical

Cutout	**R:** Round, **S:** Square
Decorative Bezel	**SB:** Standard, **MB:** Mid/Semi Recess, **DB:** Deep Recess, **DR:** Deep Rollover
Trim	**RD:** Round, **SR:** Square Trim with Round Hole, **TLR:** Trimless Round, **SQ:** Square, **TLS:** Trimless Square
Ceiling Thickness	**1:** 0.04 in to 1 in Ceiling Thickness **2:** 1.05 in to 2 in Ceiling Thickness
Housing Material	Aluminum
TIR Optics Material	Clear polycarbonate
Reflector Material	Aluminum
Weight	3.4 lbs with RM installation type, 4.75 lbs with NC installation type, 10.8 lbs with PC, IC, IC/AT and RMR installation types (Weights are approximate based on the heaviest fixture configuration) Please consult factory if exact fixture weight is needed

Controls

ON/OFF   0-10V   PRO 0-10V   PH   PRO PH

LUTRON   Caséta Wireless by LUTRON   VIVE by LUTRON   nLIGHT   DALI

PRO DALI   DALIT8   DMXrdm   lumentalk

Ceiling Cutout Shapes

Ø4 1/2" [114mm]
R - Round

4 1/2" [114mm]
S - Square

Decorative Bezels (Round Trim)

SB - Standard   **MB -** Mid / semi recess   **DB -** Deep recess   **DR -** Deep rolled over

Decorative Bezels (Square Trim)

SB - Standard   **MB -** Mid / semi recess   **DB -** Deep recess   **DR -** Deep rolled over

Standard Finishes - Decorative Bezels

MWH - Matte white   **MBK -** Matte black   **NKS -** Nickel satin

DCH - Dark chrome   **BCH -** Bright chrome   **SWT -** Satin wheat

CPG - Champagne Gold   **CC -** Custom colour and finish (specify 4-digit RAL K7 colour)   **SP -** Special colour (choose from colour palette in complete specification sheet)

Trim Shapes

RD - Round   **SQ -** Square   **SR -** Square round hole

TLR - Trimless round   **TLS -** Trimless square

Ceiling Space Requirements (Length x Width x Height)

Up to 18 in x 18 in x 8 in with RM and NC installation types, Up to 18 in x 15 in x 9 in with PC/IC/ICAT/RMR installation types
Dimensions will vary by output and color rendering, refer to Ceiling Requirements table for details

Features

Output (Nominal Lumens)

L07: 700 lm, **L10:** 1000 lm, **L13:** 1300 lm, **L20:** 2000 lm, **L30:** 3000 lm, **L40:** 4000 lm, **L50:** 5000 lm

Color and Color Temperature

22K: 2200K, **27K:** 2700K, **30K:** 3000K, **35K:** 3500K, **40K:** 4000K, **DTW:** Dim to Warm, **DTWP:** Dim to Warm Plus, **DWH:** Dynamic White, **DWW:** Dynamic Warm White, **DWWP:** Dynamic Warm White Plus

Decorative Bezel Finish

MWH: Matte White
MBK: Matte Black
NKS: Nickel Satin
DCH: Dark Chrome
BCH: Bright Chrome
SWT: Satin Wheat
CPG: Champagne Gold
CC: Custom Color Trim (Specify 4-Digit RAL K7 Color)
SP: Special color (Choose From standard Point Source Color Palette)

Trim Finish

MWH: Matte White
MBK: Matte Black
NKS: Nickel Satin
CC: Custom Color Trim (Specify 4-Digit RAL K7 Color)
SP: Special color (Choose From standard Point Source Color Palette)

Installation Type

RM: Remodel Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142)
NC: New Construction Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142)
PC: Plenum Non-Insulated Ceiling (Enclosed Box)
IC: New Construction Insulated Ceiling (Enclosed Box)
IC/AT: New Construction Insulated Ceiling (Chicago Plenum/airtight, enclosed box)
RMR: Remote Recessed Insulated Ceiling/Plenum (enclosed box)

Options

EBB: Emergency Battery Backup with Hanger Bar (Bodine BSL17C-C2)
EBI: Emergency Battery Backup with Hanger Bar (Iota ILB-CP07-A TBTS)
WET: IP54 rating suitable for wet locations.
For IP55 Shower Rated "Dead Front" applications see Lumencore Small Shower Rated specification sheet

Certifications

UL compliant (this luminaire is listed & labeled for such use in accordance with UL2043 & CAN/ULC-S142), UL Wet Location (WET option only), ENERGY STAR®, RoHS

Warranty

5-year limited warranty

Electrical and Control

Voltage

120: 120 Volts, **277:** 277 Volts, **347:** 347 Volts

Standard Finishes for Trim

MWH - Matte white   **MBK -** Matte black   **NKS -** Nickel satin

CC - Custom color and finish (Please specify 4-digit RAL K7 color)

SP - Special color (choose from standard Point Source color palette)

Options

Emergency battery backup

IP54 rating suitable for wet locations

Ratings

IP20   IP54

UL Wet Location

Certifications

c(UL)us   RoHS   5 YEARS lumenpulse   ENERGY STAR

Wattage Range	8.5W to 42W (wattage will vary based on voltage, output, color temperature, color rendering, optic, control and installation type, refer to Power Consumption table for details)
Control	**NO:** On/Off Control **NO3:** On/Off Control 347V **DAMC:** Standard 0-10V Dimming 1% Linear Curve **DA1:** Standard 0-10V Dimming 1% Linear Curve **DA2:** Standard 1-10V Dimming 1% Logarithmic Curve **DA3:** Standard 0-10V Dimming 1% Linear Curve (347V) **PDA1:** Professional 0-10V Dimming 0.1% Linear Curve **PDA2:** Professional 0-10V Dimming 0.1% Logarithmic Curve **PH:** Phase Dimming **PPH:** Phase Dimming 1% **PHB:** Pro Phase Dimming ERP PHB Series **ES:** Lutron® Hi-lume 1% EcoSystem® LDE1/PEQ1 Soft-on/Fade-to-Black **ESP:** Lutron® Hi-lume Premier 0.1% EcoSystem® PEQ0 Soft-on/Fade-to-Black **CA:** Lutron® Caséta dimming compatible (Lutron Hi-lume 1% 2-wire LTEA) (temporarily unavailable) **VI:** Lutron® Vive control enabled (Lutron VIVE FCJS-010) **NL:** nLight® control enabled (nPS-80-EZ) **NLER:** nLight® emergency control enabled (nPS-80-EZ-ER) **NL347:** nLight® control enabled 347V (nPS-80-EZ-347) **SDALI1:** Standard DALI Dimming 1% Linear Curve **SDALI2:** Standard DALI Dimming 1% Logarithmic Curve **DALI1:** Professional DALI Dimming 0.1% Linear Curve **DALI2:** Professional DALI Dimming 0.1% Logarithmic Curve **DALIT8:** DALI-2 T8 Enabled Dimming 1% **DMX/RDM:** DMX/RDM Enabled Dimming 1% **LT:** Lumentalk Enabled Dimming

Performance

Maximum Delivered Output	Up to 4,539 lm (Narrow Faceted Reflector optic 25°, 4000K, CRI 90)
Maximum Delivered Intensity	Up to 45,181 cd (Extra Narrow Spot optic 5°, 4000K, CRI 80)
Color Consistency	2 SDCM, 3 SDCM (XN optic only)
Color Rendering	**80:** CRI 80+, **90:** CRI 90+, **95:** CRI 95+
Lumen Maintenance	L95 55,000 hrs (Ta 25 °C) L70 225,000 hrs (Ta 25 °C)

Environmental

Ingress Protection Rating	IP20, IP54 (with CL accessory and WET option specified)
Environment	Damp location rating (interior applications only) Wet location rating (with WET option only)
Operating Temperature (Ceiling Cavity Ambient Temperature)	-4 °F to 104 °F (DA1, DA2, DA3, PDA1, PDA2, SDALI1, SDALI2, DALI1, DALI2, DALIT8, LT, DMX/RDM, PH and PPH control options), 14 °F to 104 °F (NO, NL, NLER, NL347 control options), 32 °F to 104 °F (NO3, VI, PPH2, ES, ESP and CA control options and EBB and EBI options)

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Accessories (Order Separately)

Control Systems	Pharos® Expert Control Kit (EXPERT), Pharos® Lighting Control Kit (PHAROS)
Diagnostic and Addressing Tools	LumenID (LID)

Important

Virtual Patent Marking Notice

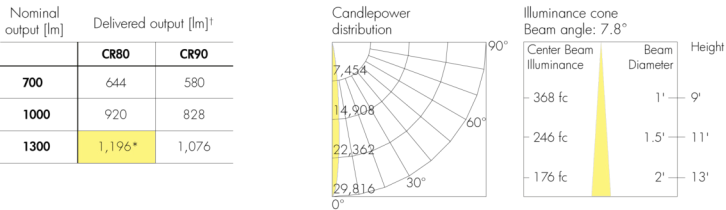This website (https://www.lmpg.com/patents-trademarks) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.
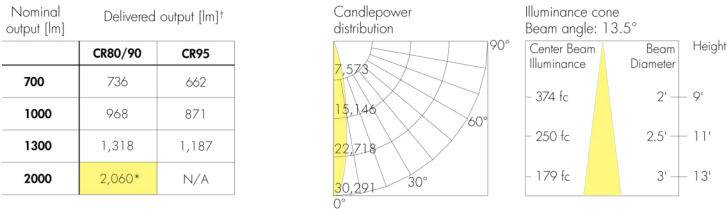
![lumenpulse™]

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Photometric Information

XN - Extra Narrow Spot (Nominal 5°), 4000K

Nominal output [lm]	Delivered output [lm]†	
	CR80	CR90
700	738*	664

Candlepower distribution

- 11,295 — 90°
- 22,591 — 60°
- 33,886
- 45,181 — 30° — 0°

Illuminance cone
Beam angle: 4.6°

Center Beam Illuminance	Beam Diameter	Height
558 fc	0.5'	9'
373 fc	1'	11'
267 fc	1'	13'

VN - Very Narrow Spot (Nominal 10°), 4000K

Nominal output [lm]	Delivered output [lm]†	
	CR80	CR90
700	644	580
1000	920	828
1300	1,196*	1,076

Candlepower distribution

- 7,454 — 90°
- 14,908 — 60°
- 22,362
- 29,816 — 30° — 0°

Illuminance cone
Beam angle: 7.8°

Center Beam Illuminance	Beam Diameter	Height
368 fc	1'	9'
246 fc	1.5'	11'
176 fc	2'	13'

NS - Narrow Spot (Nominal 15°), 4000K

Nominal output [lm]	Delivered output [lm]†	
	CR80/90	CR95
700	736	662
1000	968	871
1300	1,318	1,187
2000	2,060*	N/A

Candlepower distribution

- 7,573 — 90°
- 15,146 — 60°
- 22,718
- 30,291 — 30° — 0°

Illuminance cone
Beam angle: 13.5°

Center Beam Illuminance	Beam Diameter	Height
374 fc	2'	9'
250 fc	2.5'	11'
179 fc	3'	13'

NSR - Narrow Spot Reflector (Nominal 15°), 4000K

Nominal output [lm]	Delivered output [lm]†	
	CR80/90	CR95
700	705	635
1000	928	835
1300	1,264	1,138

Candlepower distribution

- 2,275 — 90°
- 4,550 — 60°
- 6,825
- 9,100 — 30° — 0°

Illuminance cone
Beam angle: 18.2°

Center Beam Illuminance	Beam Diameter	Height
112 fc	3'	9'
75 fc	3.5'	11'
54 fc	4'	13'

NSFR - Narrow Spot Faceted Reflector (Nominal 15°), 4000K

Nominal output [lm]	Delivered output [lm]†	
	CR80/90	CR95
700	696	626
1000	916	824
1300	1,247	1,122

Candlepower distribution

- 2,197 — 90°
- 4,394 — 60°
- 6,591
- 8,788 — 30° — 0°

Illuminance cone
Beam angle: 17.9°

Center Beam Illuminance	Beam Diameter	Height
109 fc	3'	9'
73 fc	3.5'	11'
52 fc	4'	13'

N - Narrow (Nominal 25°), 4000K

Nominal output [lm]	Delivered output [lm]†	
	CR80/90	CR95
700	630	567
1000	813	732
1300	1,128	1,015
2000	1,758	1,582

Candlepower distribution

- 883 — 90°
- 1,766 — 60°
- 2,648
- 3,531 — 30° — 0°

Illuminance cone
Beam angle: 33.3°

Center Beam Illuminance	Beam Diameter	Height
44 fc	5.5'	9'
29 fc	6.5'	11'
21 fc	8'	13'

NR - Narrow Reflector (Nominal 25°), 4000K

Nominal output [lm]	Delivered output [lm]†	
	CR80/90	CR95
700	670	603
1000	865	779
1300	1,200	1,080
2000	1,870	1,683
3000	2,791	2,512
4000	3,673	N/A
5000	4,334	N/A

Candlepower distribution

- 2,708 — 90°
- 5,415 — 60°
- 8,123
- 10,830 — 30° — 0°

Illuminance cone
Beam angle: 27.5°

Center Beam Illuminance	Beam Diameter	Height
114 fc	4.5'	9'
76 fc	5.5'	11'
54 fc	6.5'	13'

NFR - Narrow Faceted Reflector (Nominal 25°), 4000K

Nominal output [lm]	Delivered output [lm]†	
	CR80/90	CR95
700	702	632
1000	906	816
1300	1,257	1,131
2000	1,959	1,763
3000	2,924	2,631
4000	3,847*	N/A
5000	4,539*	N/A

Candlepower distribution

- 3,558 — 90°
- 7,114 — 60°
- 10,672
- 14,228 — 30° — 0°

Illuminance cone
Beam angle: 26.6°

Center Beam Illuminance	Beam Diameter	Height
176 Fc	4.5'	9'
118 fc	5'	11'
84 fc	6'	13'

M - Medium Reflector (Nominal 40°), 4000K

Nominal output [lm]	Delivered output [lm]†	
	CR80/90	CR95
700	658	592
1000	850	765
1300	1,179	1,061
2000	1,837	1,653
3000	2,741	2,467
4000	3,607*	N/A
5000	4,256*	N/A

Candlepower distribution

- 1,958 — 90°
- 3,916 — 60°
- 5,874
- 7,832 — 30° — 0°

Illuminance cone
Beam angle: 43°

Center Beam Illuminance	Beam Diameter	Height
97 fc	7'	9'
65 fc	8.5'	11'
46 fc	10'	13'

MFR - Medium Faceted Reflector (Nominal 40°), 4000K

Nominal output [lm]	Delivered output [lm]†	
	CR80/90	CR95
700	691	622
1000	892	803
1300	1,238	1,114
2000	1,929	1,736
3000	2,879	2,591
4000	3,788	N/A
5000	4,470	N/A

Candlepower distribution

- 1,980 — 90°
- 3,960 — 60°
- 5,939
- 7,919 — 30° — 0°

Illuminance cone
Beam angle: 42.5°

Center Beam Illuminance	Beam Diameter	Height
98 fc	7'	9'
66 fc	8.5'	11'
47 fc	10'	13'

W - Wide Reflector (Nominal 60°), 4000K

Nominal output [lm]	Delivered output [lm]†	
	CR80/90	CR95
700	663	597
1000	856	771
1300	1,188	1,069
2000	1,850	1,665
3000	2,762	2,486
4000	3,634*	N/A
5000	4,288*	N/A

Candlepower distribution
1 250
2 498
3 748
4 996
90°
60°
30°
0°

Illuminance cone
Beam angle: 58.3°

Center Beam Illuminance	Beam Diameter	Height
61 fc	10'	9'
41 fc	12.5'	11'
30 fc	14.5'	13'

WFR - Wide Faceted Reflector (Nominal 60°), 4000K

Nominal output [lm]	Delivered output [lm]†	
	CR80/90	CR95
700	696	626
1000	899	809
1300	1,247	1,122
2000	1,943	1,749
3000	2,900	2,610
4000	3,816	N/A
5000	4,503	N/A

Candlepower distribution
1 311
2 623
3 954
5 246
90°
60°
30°
0°

Illuminance cone
Beam angle: 58.3°

Center Beam Illuminance	Beam Diameter	Height
65 fc	10'	9'
44 fc	12.5'	11'
31 fc	14.5'	13'

VW - Very Wide Reflector (Nominal 80°), 4000K

Nominal output [lm]	Delivered output [lm]†	
	CR80/90	CR95
700	659	593
1000	851	766
1300	1,181	1,063
2000	1,840	1,656
3000	2,746	2,471
4000	3,613*	N/A
5000	4,263*	N/A

Candlepower distribution
690
1 382
2 072
2 762
90°
60°
30°
0°

Illuminance cone
Beam angle: 74.5°

Center Beam Illuminance	Beam Diameter	Height
34 fc	13.5'	9'
22 fc	16.5'	11'
17 fc	20'	13'

VWFR - Very Wide Faceted Reflector (Nominal 80°), 4000K

Nominal output [lm]	Delivered output [lm]†	
	CR80/90	CR95
700	692	623
1000	894	804
1300	1,240	1,116
2000	1,932	1,739
3000	2,883	2,595
4000	3,794	N/A
5000	4,477	N/A

Candlepower distribution
773
1 546
2 318
3 090
90°
60°
30°
0°

Illuminance cone
Beam angle: 69.8°

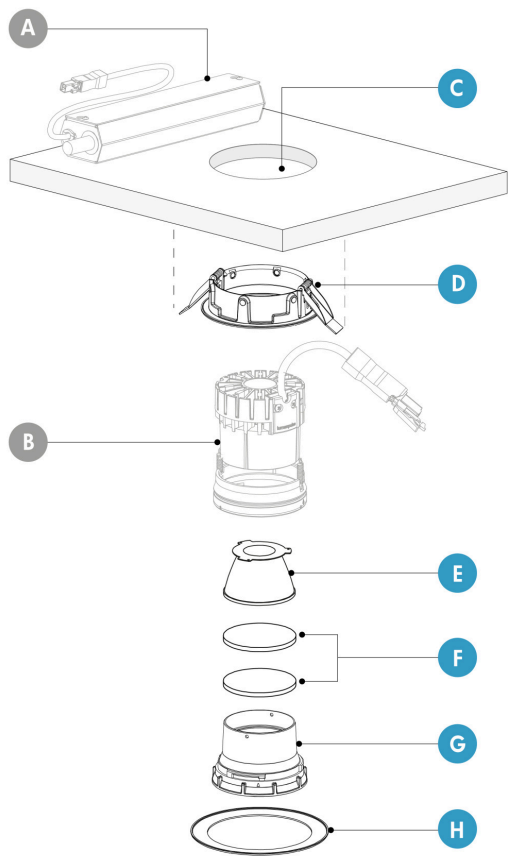| Center Beam Illuminance	Beam Diameter	Height
38 fc	12.5'	9'
26 fc	15.5'	11'
19 fc	18'	13'

Based on Standard Bezel and Round or Square trim configuration.

† Consult website for IES files. Delivered output: +/- 10% tolerance.

Consult Power consumption section for more wattage information.

*Photometric performance is measured in compliance with IESNA LM-79-24.

TM-30

CRI 80+

CRI 80 +				
CCT	CIE		TM-30	
3500K	R$_a$	84	84	R$_f$
	R$_9$	15	97	R$_g$

84 R$_f$ / 97 R$_g$ / CCT 3500K

CRI 90+

CRI 90 +				
CCT	CIE		TM-30	
3500K	R$_a$	94	91	R$_f$
	R$_9$	55	98	R$_g$

91 R$_f$ / 98 R$_g$ / CCT 3500K

CRI 95+

CRI 95 +				
CCT	CIE		TM-30	
3500K	R$_a$	97	91	R$_f$
	R$_9$	97	99	R$_g$

91 R$_f$ / 99 R$_g$ / CCT 3500K
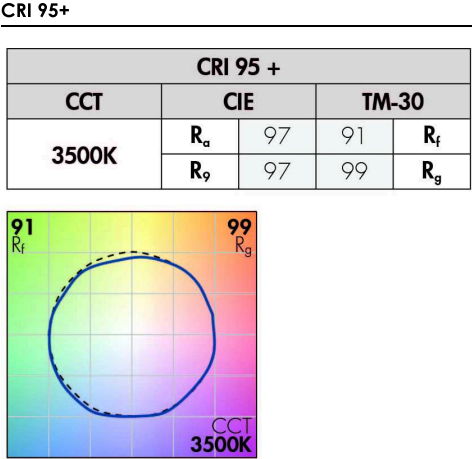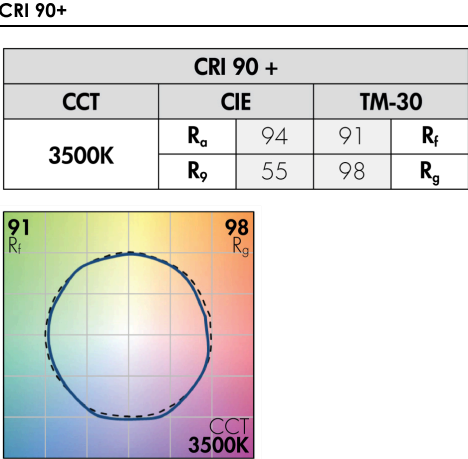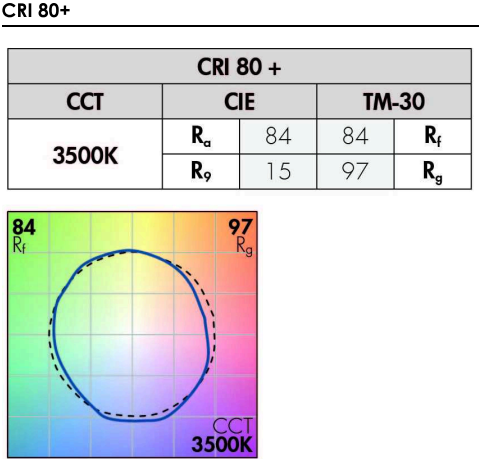
Refer to TM-30 Reference Guide for details.

Exploded Overview - Part Selection

Standard parts
A - MTG kit
B - LUM Core (heatsink, universal fixing ring, LED module)
MTG: Mounting Kit
LUM: Luminaire

Customizable Parts
C - Ceiling cutout shape (round or square)
D - Ceiling mounting ring (round or square, based on ceiling cutout selection)
E - Optic*
F - Optical accessory (up to two optical accessories can be combined in the fixture, field changeable)
G - Decorative bezel**
H - Trim (round or square, based on ceiling ring selection)**

*Field changeable. Consult Interchangeable Optics section of the specification sheet for details. Consult factory for ordering details.
**Field changeable, consult installation instructions for details. Consult factory for ordering details.

Ceiling Requirements

Ceiling Cavity Space Requirements (Length x Width x Height)

Installation type	Bezel Options	Output/Color Rendering							
		L07 L07	L10	L13	L20	L30		L40	L50
		CR80/90/95			CR80/CR90	CR95	CR80/CR90	CR95	CR80/CR90	CR90
RM	SB or MB bezel options	11"x 11"x 4" (with trim) 11"x 11"x 7" (trimless)			12"x 12"x 6" (with trim) 12"x 12"x 7" (trimless)				18"x 18"x 8"	
	DB or DR bezel options	11"x 11"x 6" (with trim) 11"x 11"x 7" (trimless)								
NC	SB or MB bezel options	14"x 11"x 4" (with trim) 14"x 11"x 7" (trimless)			14"x 11"x 6" (with trim) 14"x 11"x 7" (trimless)				18"x 18"x 8"	
	DB or DR bezel options	14"x 11"x 6" (with trim) 14"x 11"x 7" (trimless)								
PC/IC/ICAT/RMR	ALL	14.5"x 10"x 7"			18"x 15"x 9"		N/A		N/A	

See Installation Type section for dimensional view of keep out and/or MTG mounting kit option.
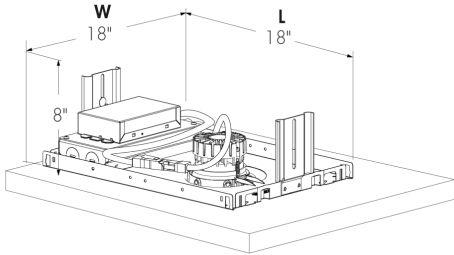Above dimensions include any keep out requirements for proper airflow and thermal cooling

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Installation Types

RM : Remodel Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142) (NO, PH, ES and ESP Controls Only)
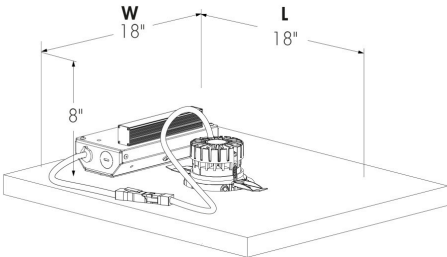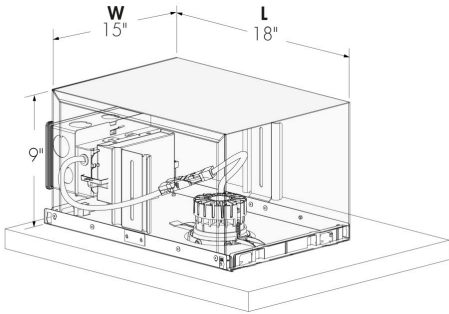
Ceiling cavity space requirements for L30 CR90/95 and L40 CR80/90 shown.

RM: Remodel Non-Insulated Ceiling (Plenum Rated In Accordance To UL 2043 & CAN/ULC-S142) (DALIT8, DMX/RDM and LT Control Options Only)
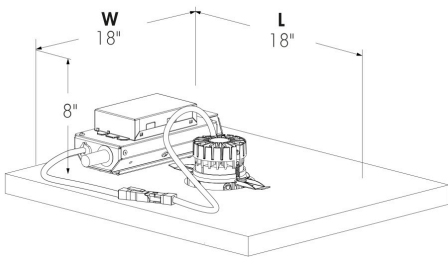
Ceiling cavity space requirements for L30 CR90/95 and L40 CR80/90 shown.

RM: Remodel Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142) (Other Controls)
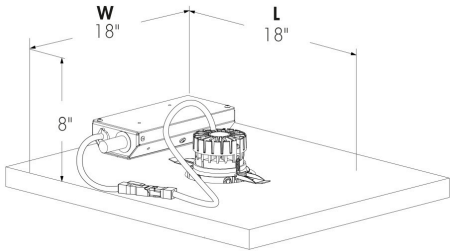
Ceiling cavity space requirements for L30 CR90/95 and L40 CR80/90 shown.

NC: New Construction Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142)

Ceiling cavity space requirements for L30 CR90/95 and L40 CR80/90 shown.

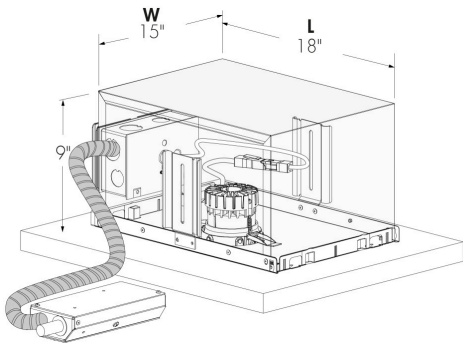**IC, PC, IC/AT: New Construction Insulated and Non-Insulated Ceiling (Enclosed Box)**

Ceiling cavity space requirements for L13 CR80/90/95 and L20 CR80/90 shown.

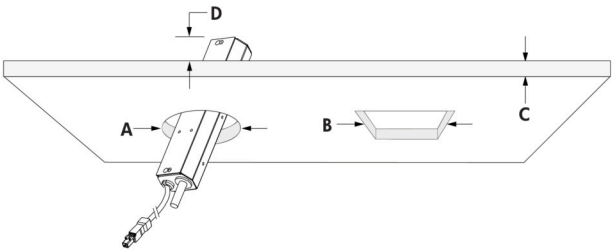**RMR: Remote Recessed Insulated Ceiling/Plenum (Enclosed Box)**

Luminaire ceiling cavity space requirements for L13 CR80/90/95 and L20 CR80/90/95 shown. Refer to remote driver box dimensions in installation instructions for space required for driver.

Remote distance is a maximum of 75 ft, consult Lumenpulse Application Engineering Team for longer remote distances.

Fixture shown for reference only. Refer to Ceiling Requirements section and installation instructions for dimensions and ceiling cutout requirements.

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Ceiling Requirements

Ceiling Cutout

A - Ceiling cutout: Ø4.5 in

B - Ceiling cutout: 4.5 in x 4.5 in

C - Maximum ceiling thickness: 2 in

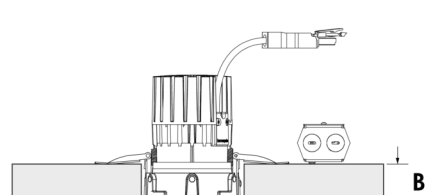**D -** Minimum ceiling height: refer to Ceiling Cavity Space Requirements table

Ceiling Thickness Options

Ceiling Thickness 1	Ceiling Thickness 2
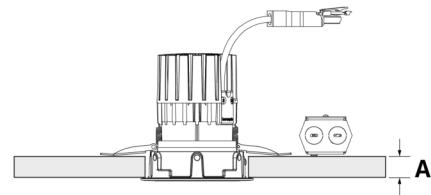
A - Ceiling thickness range: 0.04 in to 1 in

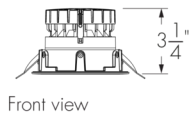**B -** Ceiling thickness range: 1.05 in to 2 in

Ceiling springs are field changeable, consult installation instructions and factory for details.
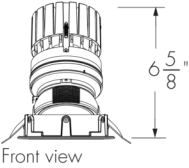
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Dimensions

SB - Standard

L07, L10, L13, L20 (CR80/90/95)
L30 (CR80)

$3\frac{1}{4}$"

Front view

L30 (CR90, CR95), L40 CR80/CR90
L50 (CR90)

$6\frac{5}{8}$"

Front view

SB - Standard (Trimless Version)

L07, L10, L13, L20 (CR80/90/95)
L30 (CR80)

$3\frac{3}{8}$"

Front view

L30 (CR90, CR95),L40 CR80/CR90
L50 (CR90)

$6\frac{5}{8}$"

Front view
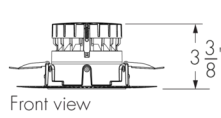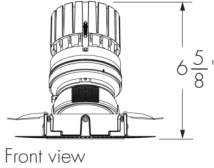
MB - Mid/Semi Recess

L07, L10, L13, L20 (CR80/90/95)
L30 (CR80)

$3\frac{3}{4}$"

Front view

L30 (CR90, CR95), L40 (CR80)

$5\frac{1}{8}$"

Front view

TLR - Trimless Round

Aperture
$\varnothing 3\frac{3}{4}$" $\varnothing 7\frac{1}{16}$"

Bottom view
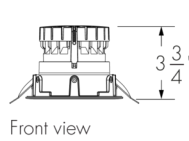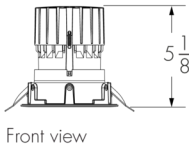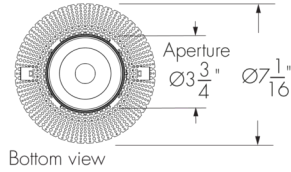
DB - Deep Recess
DR - Deep Rolled Over

L07, L10, L13, L20 (CR80/90/95)
L30 (CR80)

$4\frac{1}{2}$"

Front view

L30 (CR90, CR95), L40 (CR80)

$5\frac{3}{4}$"

Front view

TLS - Trimless Square

Aperture
$3\frac{3}{4}$" $7\frac{1}{16}$"

Bottom view
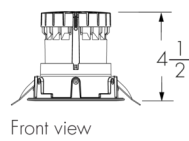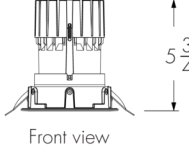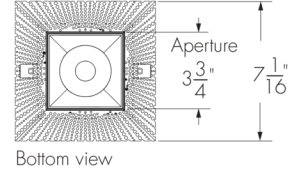
RD - Round Shape, Round Trim

Aperture
$\varnothing 3\frac{3}{4}$" $\varnothing 4\frac{15}{16}$"

Bottom view
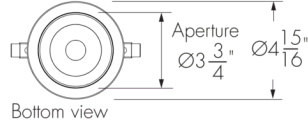
SQ - Square Shape, Square Trim

Aperture
$3\frac{3}{4}$" $4\frac{15}{16}$"

Bottom view
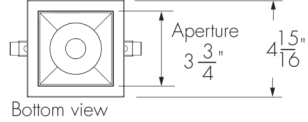
SR - Square Shape, Round Hole

Aperture
$3\frac{3}{4}$" $4\frac{15}{16}$"

Bottom view
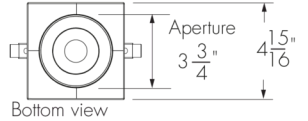
Round ceiling cutout: Ø4.5 in
Square ceiling cutout: 4.5 in x 4.5 in

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Beam Cutoff Angle

SB - Standard

85°
Beam Cutoff
Angle

0°
(Nadir)

Front view

MB - Mid/Semi Recess

75°
Beam Cutoff
Angle

0°
(Nadir)

Front view

DB - Deep Recess
DR - Deep Rolled Over

60°
Beam Cutoff
Angle

0°
(Nadir)

Front view
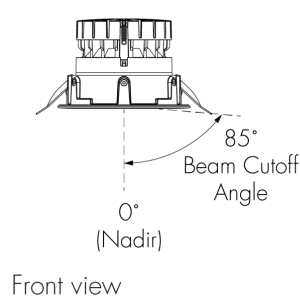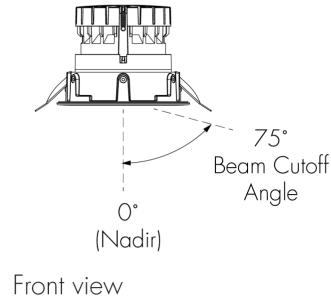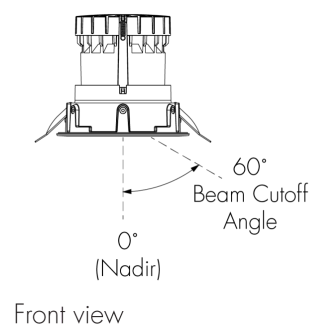
Delivery - How it Works

Standard Shipping (1 delivery)

1
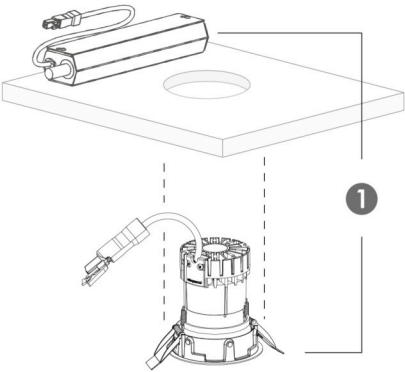
Included
1. MTG kit and complete fixture assembly

Advanced Shipping of Mounting kit (2 Separate Deliveries)

1

2

+
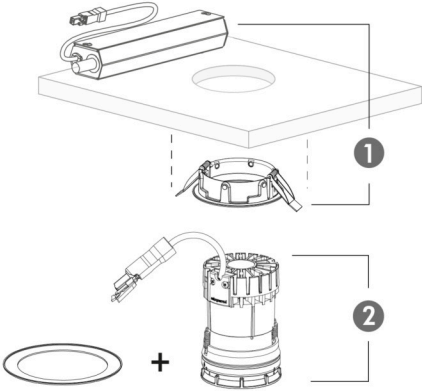
Included
1. Optional advanced delivery: MTG kit and ceiling mounting ring
2. Second delivery: LUM Core (heatsink, universal fixing ring, LED module, optic, accessories, decorative bezel) and trim

Consult factory for Advanced Shipping details.

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Ceiling Cutout Shape Options

RD - Round Ceiling Cutout

Round bezel

Round trim

SQ - Square Ceiling Cutout

Square bezel

Square trim
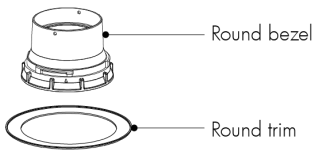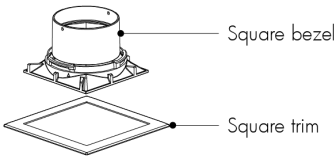
Decorative Bezel Options

RD - Compatible Round Decorative Bezels

SB - Standard

MB - Mid/semi recess

DB - Deep recess

DR - Deep rolled over

Standard Finishes - Decorative Bezels

MWH - Matte white

MBK - Matte black

NKS - Nickel satin

DCH - Dark chrome

BCH - Bright chrome

SWT - Satin wheat

CPG - Champagne Gold

CC - Custom colour*

SP - Special colour**

*Custom color: specify 4-digit RAL K7 color.
**Special color: choose one of the standard Point Source colors from the Point Source product brochure or Lumencore Cylinder specification sheets. Contact manufacturer for additional information.

Trim Shape Options

RD - Compatible Round Trim Shapes

RD - Round

SR - Square trim with round hole

TLR - Trimless round

SQ - Compatible Square Trim Shapes

SQ - Square

TLS - Trimless Square

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Standard Finishes - Trims

MWH - Matte white

MBK - Matte black

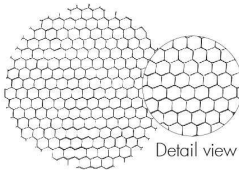**NKS -** Nickel satin

CC - Custom colour*

SP - Special colour**

*Custom color: specify 4-digit RAL K7 color.

**Special color: choose one of the standard Point Source colors from the Point Source product brochure or Lumencore Cylinder specification sheets. Contact manufacturer for additional information.

Optical Accessories

HL - Honeycomb Louver

Detail view

XLVR - Concentric Ring Louver
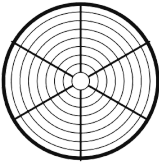
CL - Clear Glass Lens

SL - Softening Glass Lens

PD – Prismatic Diffuser
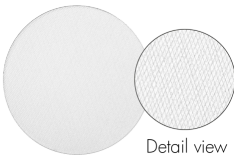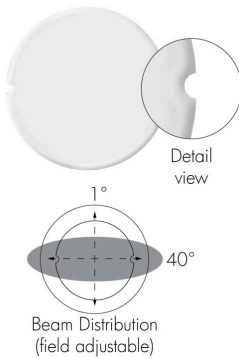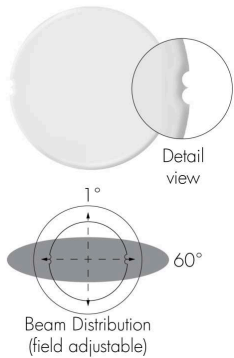
Detail view

LSN - Linear Spread Lens Narrow (1° x 40°)

Detail view

1°

40°

Beam Distribution
(field adjustable)

LSW - Linear Spread Lens Wide (1° x 60°)

Detail view

1°

60°

Beam Distribution
(field adjustable)

BW1 - Beam Widening Lens (+10°)

Detail view
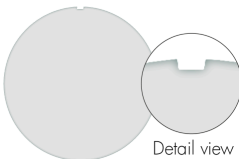
Refer to Beam Widening Lens table for beam distribution based on optic installed in the fixture.

BW2 - Beam Widening Lens (+20°)
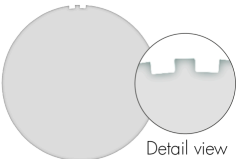
Detail view

Refer to Beam Widening Lens table for beam distribution based on optic installed in the fixture.

BW3 - Beam widening lens (+30°)
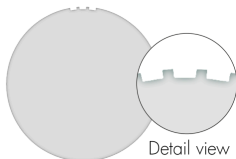
Detail view

Refer to Beam Widening Lens table for beam distribution based on optic installed in the fixture.

Optical Accessories - Installation Options (Field Changeable)

One Optical Accessory Installed

HL, XLVR CL, SL, PD, LSN, LSW, BW1, BW2 or BW3

Two Optical Accessories Installed

CL, SL, PD, LSN, LSW, BW1, BW2 or BW3

Optic position

Bezel position

HL or XLVR
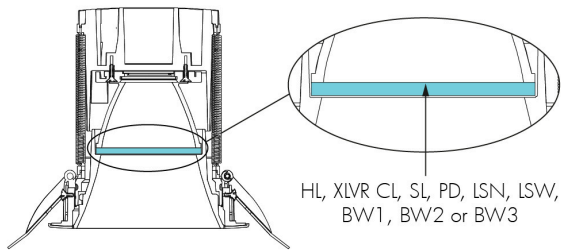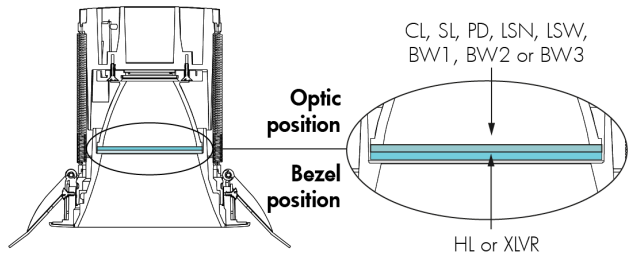
Accessories specified in the fixture code will ship from the factory in the order shown above.

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Optics

TIR Optic - Total Internal Reflection	Semi-Specular Reflector	Faceted Reflector
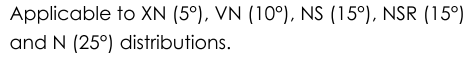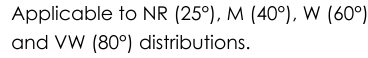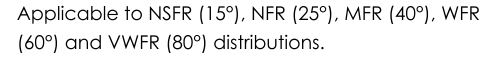
Applicable to XN (5°), VN (10°), NS (15°), NSR (15°) and N (25°) distributions.

Applicable to NR (25°), M (40°), W (60°) and VW (80°) distributions.

Applicable to NSFR (15°), NFR (25°), MFR (40°), WFR (60°) and VWFR (80°) distributions.

Beam Widening Lenses

	Optic installed in fixture													
	XN 5°	**VN** 10°	**NS** 15°	**NSR** 15°	**NSFR** 15°	**N** 25°	**NR** 25°	**NFR** 25°	**M** 40°	**MFR** 40°	**W** 60°	**WFR** 60°	**VW** 80°	**VWFR** 80°
BW1	11°	13°	17°	17°	17°	30°	30°	30°	41°	41°	61°	61°	81°	81°
BW2	21°	22°	24°	24°	24°	34°	34°	34°	45°	45°	63°	63°	82°	82°
BW3	30°	31°	33°	33°	33°	41°	41°	41°	50°	50°	67°	67°	85°	85°

The above beam angles are nominal beam angles.

Variations in beam angles can be seen due to different LES sizes. For exact beam calculations please consult factory.

Beam widening lenses should not be used with other accessories with the nominal results above.

Interchangeable Optics

	Optic installed in fixture								
	XN 5°	**VN** 10°	**NS** 15°	**NSR** 15°	**N** 25°	**NR** 25°	**M** 40°	**W** 60°	**VW** 80°
Interchangeable optics	N/A	N/A	NSR NSFR	NS NSFR	NR NFR M MFR W WFR VW VWFR	N NFR M MFR W WFR VW VWFR	N NR NFR MFR W WFR VW VWFR	N NR NFR M MFR WFR VW VWFR	N NR NFR M MFR W WFR VWFR
				NSFR 15°		**NFR** 25°	**MFR** 40°	**WFR** 60°	**VWFR** 80°
				NS NSR		N NR M MFR W WFR VW VWFR	N NR NFR M W WFR VW VWFR	N NR NFR M MFR W VW VWFR	N NR NFR M MFR W WFR VW

The optic options listed above are field changeable. Consult factory and installation instructions for details.

* Consult the Lumencore Recessed Small Wallwash specification sheet for details.

Power Consumption

Static White Color Temperatures

|	Power consumption [W]								
	XN (5°) - **VN** (10°)		**NS** (15°) - **NSR** (15°) - **NSFR** (15°)				**N** (25°) - **NR** (25°) - **NFR** (25°) - **M** (40°) - **MFR** (40°) - **W** (60°) - **WFR** (60°) - **VW** (80°) - **VWFR** (80°)			
	120 V	277 V	120 V		277 V		120 V		277 V	
Output [lm]	CR80/90	CR80/90	CR80/90	CR95	CR80/90	CR95	CR80/90	CR95	CR80/90	CR95
700	13	15	9.5	10	10.5	12	8.5	9	9.5	11
1000	17*	18*	13	14.5	14	16	10	13	12	15
1300	23*	24*	15	20	16	21	13	15	15	16
2000	N/A	N/A	23**	30**	24**	30**	20	23	21	24
3000	N/A	N/A	N/A	N/A	N/A	N/A	25***	42***	26***	42***
4000	N/A	N/A	N/A	N/A	N/A	N/A	33***	N/A	34***	N/A
5000	N/A	N/A	N/A	N/A	N/A	N/A	41***	N/A	41***	N/A

*Not applicable to XN optic.
**Not applicable to NSR and NSFR optics.
***Not applicable to N optic.

Dynamic Colors

	Power consumption [W]			
	NR (25°) - **NFR** (25°) - **M** (40°) - **MFR** (40°) - **W** (60°) - **WFR** (60°) - **VW** (80°) - **VWFR** (80°)			
	120 V		277 V	
Output [lm]	DTW - DTWP	DWW - DWH - DWWP	DTW - DTWP	DWW - DWH - DWWP
1000	14	N/A	15	N/A
1300	17	26	18	26
2000	27	N/A	28	N/A

- Power consumption values are for non-insulated ceiling (RM and NC) and remote recessed insulated ceiling/plenum (RMR) installation types. For plenum ceiling (PC), and new construction insulated ceiling (IC and IC/AT) installation types, remove 2 watts per fixture.
- Add 3 watts per fixture when specifying LT control option.
- Add 2 watts per fixture when specifying DMX/RDM control option.
- Add 1.5 watts per fixture when specifying PPH2, CA, NL, NLER or NL347 control option.
- Add 1 watt per fixture when specifying VI control option.
- Add 3 watts per fixture when specifying 347V.

Control

Linear curve

Brightness % / Voltage %

Logarithmic curve

Brightness % / Voltage %
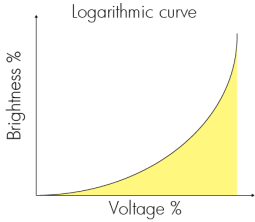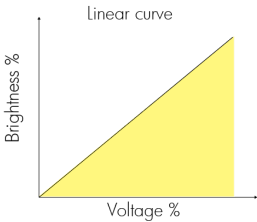
Dimming	Control options with linear dimming curve						Control options with logarithmic dimming curve				
Dimming down to 0.1%	PDA1	ESP	DALI1				PDA2	DALI2	DALIT8		
Dimming down to 1%	DA1	DA3	DAMC	PPH	PHB	ES SDALI1	DA2	SDALI2	DALIT8	⬦DMXrdm*	lumentalk

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Color and Color Temperature

Color Temperature Ranges

2200K · 2700K · 3000K · 3500K · 4000K

1800K · · · · · · 6500K

DTW — Dim to warm — 2700K - 2200K

DWW — Dynamic warm — 2200K - 3000K

DWWP — Dynamic warm plus — 2200K - 3500K

DTWP — Dim to warm plus — 3500K - 1800K

DWH — Dynamic white — 2700K - 6500K
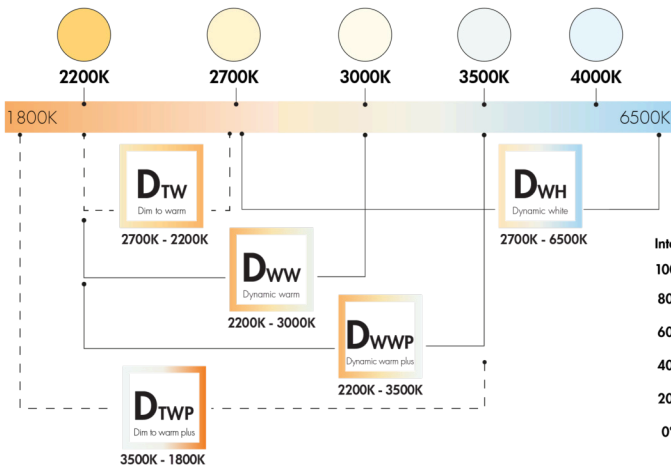
- - - 1 channel (DTW, DTWP) Compatible with: DA1 ES SDALI1 SDALI2 DMX rdm lumen talk

—— 2 channels* (DWH, DWW, DWWP) Compatible with: DALIT8 DMX rdm lumen talk

—— 3 channels (DWH, DWW, DWWP) Compatible with: DALIT8 DMX rdm lumen talk

*Can be changed in the field via RDM & LT for individual CCT control.

Dim to warm

Intensity (%)
100% · 80% · 60% · 40% · 20% · 0%

2700K · 2450K · 2200K
Color Temperature (CCT)

Dim to warm plus

Intensity (%)
100% · 80% · 60% · 40% · 20% · 0%

3500K · 2650K · 1800K
Color Temperature (CCT)

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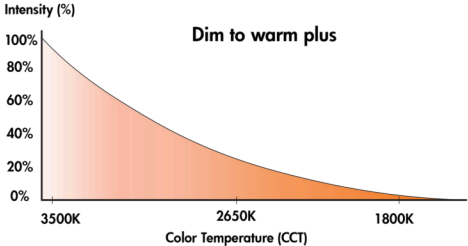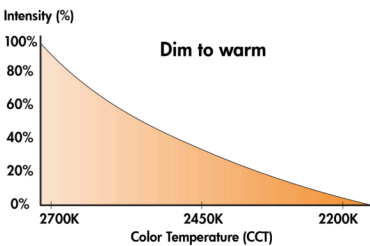
Wiring Details RM: Remodel Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142)

NO And PH Controls - Wiring Detail
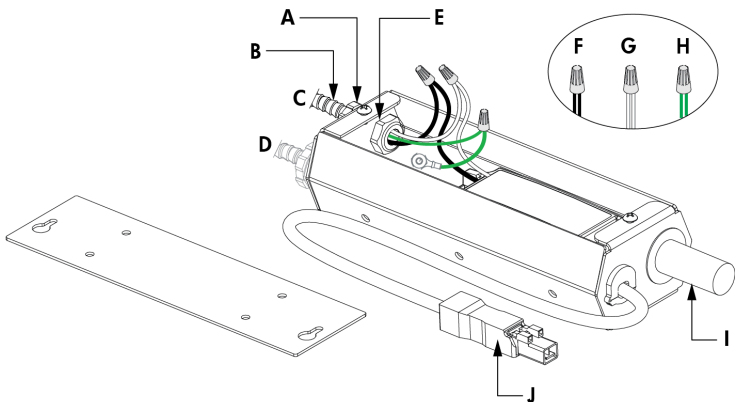
A - Conduit fitting (by others)
B - Conduit (by others)
C - Power Input
D - Optional Output
E - Locknut (by others)
F - Line
G - Neutral
H - Ground
I - Thermal protector
J - Output to luminaire

Other Controls - Wiring Detail
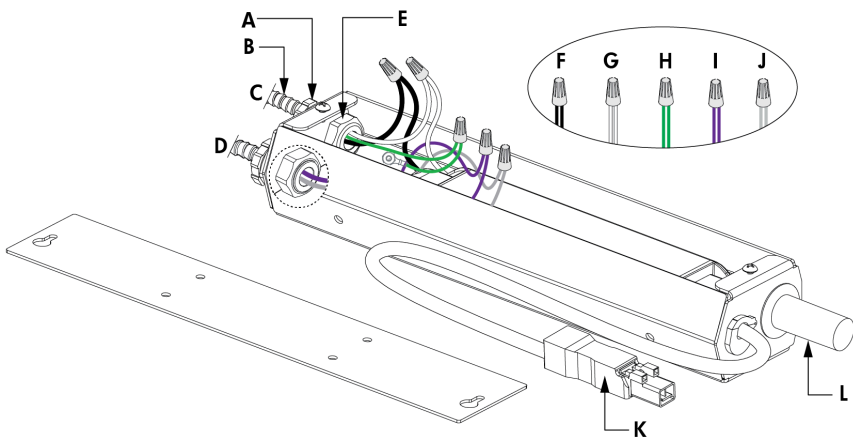
A - Conduit fitting (by others)
B - Conduit (by others)
C - Power Input
D - Data Input from Control System
E - Locknut (by others)
F - Line
G - Neutral
H - Ground
I - Data +
J - Data -
K - Output to luminaire
L - Thermal protector

Other Controls - Daisy Chain Layout Wiring Detail
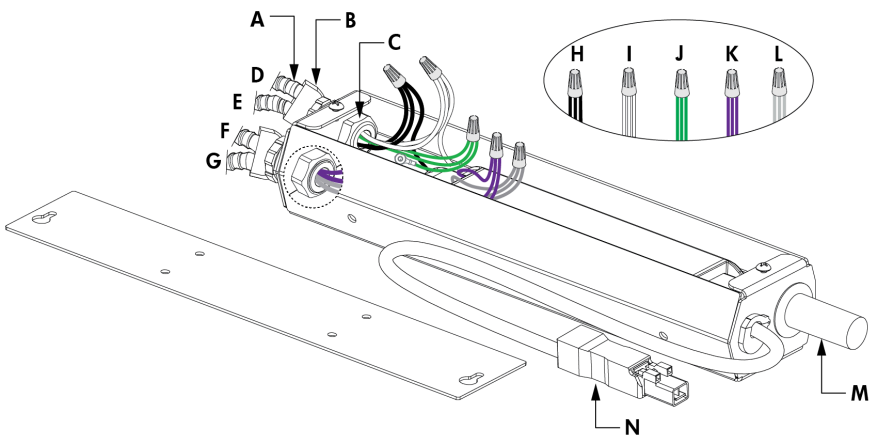
A - Conduit (by others)
B - Duplex connector (by others)
C - Locknut (by others)
D - Power Output to next luminaire
E - Power input
F - Data Output to next luminaire
G - Data Input from Control System
H - Line
I - Neutral
J - Ground
K - Data +
L - Data -
M - Thermal protector
N - Output to luminaire

Remodel driver box varies by control option. Refer to installation instructions for additional wiring details.

Options

EBB - Emergency Battery Backup With Hanger Bar (Bodine BSL17C-C2)
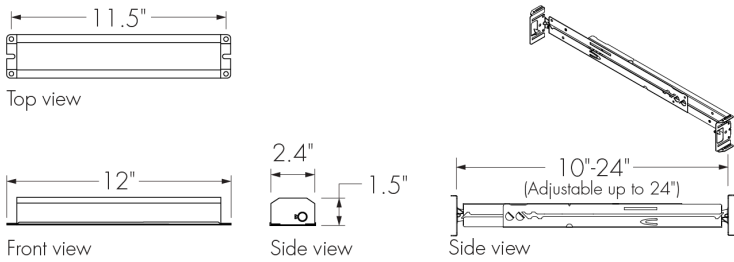
11.5"

Top view

12"

Front view

2.4"

1.5"

Side view

10"-24"
(Adjustable up to 24")

Side view

Hardware to mount the battery backup to the hanger bar is included. A test button is included. The unit comes pre-wired with 2 ft flexible conduit in and out. Refer to installation instructions for details.

EBI - Emergency Battery Backup With Hanger Bar (Iota ILB-CP07-A TBTS)
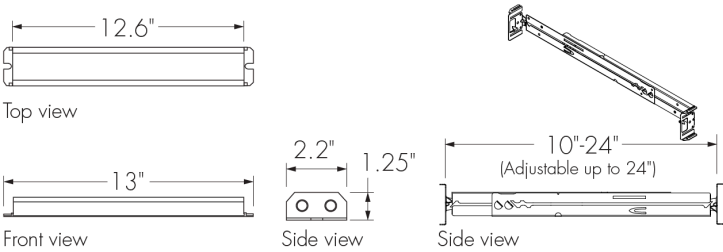
12.6"

Top view

13"

Front view

2.2"

1.25"

Side view

10"-24"
(Adjustable up to 24")

Side view

Hardware to mount the battery backup to the hanger bar is included. A test button is included. The unit comes pre-wired with 2 ft flexible conduit in and out. Refer to installation instructions for details.

Diagnostic And Addressing Tools (Order Separately)

LID - LumenID

The updated LumenID (LID) is now your all-in-one diagnostic and addressing solution for both DMX/RDM and Lumentalk (LT) systems. Engineered for versatility, it streamlines commissioning and troubleshooting across protocols— no need for multiple tools. Consult the LID specification sheet for full details.

Control Systems (Order Separately)

PHAROS - Pharos® Designer Lighting Control Kit

The Pharos Designer Lighting Contol Kit, available for 1 or 2 DMX universes, allows for complete control of large lighting installations.

EXPERT - Pharos® Expert Control Kit
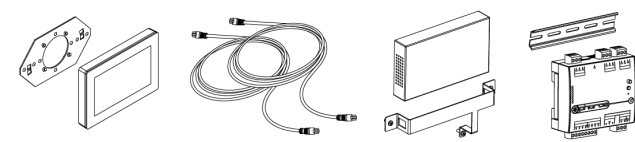
The Pharos Expert Control Kit, available for 1, 2, 4 or 6 DMX universes, allows for complete control of large lighting installations.

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1220 Marie-Victorin Blvd., Longueuil, QC, J4G 2H9, CAN | **T** 514.937.3003 | 1.877.937.3003 | info@lumenpulse.com
www.lumenpulse.com   www.lumenpulse.com/products/5090

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JC - R18

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How to Order

Housing [1]	EZ Ship	Certification	Type	Voltage	Cutout	Output (Nominal Lumens)	Color and Color Temperature	Color Rendering	Optics (Nominal Distribution)
LCRS Lumencore Recessed Small - 4 in	**EZ** EZ Ship [2]	**A** UL/cUL **ESR** UL/cUL & ENERGY STAR® [3]	**FD** Downlight	**120** 120 Volts **277** 277 Volts **347** 347 Volts [4] [5] [6] [7] [8]	**R** Round **S** Square	**L07** 700 lm [9] **L10** 1000 lm **L13** 1300 lm **L20** 2000 lm **L30** 3000 lm [10] [11] **L40** 4000 lm [9] [10] [11] **L50** 5000 lm [10] [12] [13]	**22K** 2200K [7] [14] [15] **27K** 2700K [15] **30K** 3000K [15] **35K** 3500K [15] **40K** 4000K [15] **DTW** Dim to Warm (2700K to 2200K) [7] [16] [17] [18] **DTWP** Dim to Warm Plus (3500K to 1800K) [7] [16] [17] [18] **DWH** Dynamic White (2700K to 6500K) [7] [17] [19] [20] **DWW** Dynamic Warm White (2200K to 3000K) [7] [17] [19] [20] **DWWP** Dynamic Warm White Plus (2200K to 3500K) [7] [17] [19] [20]	**80** CRI 80+ **90** CRI 90+ **95** CRI 95+ [7]	**XN** Extra Narrow Spot Distribution 5° [7] [21] **VN** Very Narrow Spot Distribution 10° [7] [22] **NS** Narrow Spot Distribution 15° [23] **NSR** 15° Reflector [24] [25] **NSFR** 15° Faceted reflector [24] [25] **N** Narrow Distribution 25° [26] **NR** 25° Reflector **NFR** 25° Faceted Reflector **M** 40° Reflector **MFR** 40° Faceted Reflector **W** 60° Reflector **WFR** 60° Faceted Reflector **VW** 80° Reflector **VWFR** 80° Faceted Reflector

Notes:

1. Refer to website product configurator for all exceptions.
2. Refer to website for EZ Ship configurations.
3. Refer to website for ENERGY STAR certified product configurations.
4. Not available for 700 lumens. Not available for 1000 lumens when combined with 80 color rendering option.
5. Not available for DTW, DTWP, DWH, DWW or DWWP color options.
6. Not available for XN and VN optics.
7. Not available for ENERGY STAR certification.
8. Not available for CR90.
9. For ENERGY STAR certification, not available with RM or NC installation types when combined with 90 color rendering option.
10. Available for NR, NFR, M, MFR, W, WFR, VW and VWFR optics only.
11. Not available with PC, IC, IC/AT or RMR installation types.
12. Available for CR90 only.
13. Available for RM and NC Installation Types only.
14. Available for CRI 80 only.
15. Compatible with all control options except for DALIT8.

16. Available for 1000, 1300 and 2000 lumens when combined with 90 color rendering option and NR, NFR, M, MFR, W, WFR, VW or VWFR optics only.
17. NFR, MFR, WFR and VWFR faceted reflector optics are recommended for optimal performance.
18. Compatible with DA1, ES, SDALI1, SDALI2, DMX/RDM and LT control options only.
19. Available for 1300 lumens when combined with 80 color rendering option and NR, NFR, M, MFR, W, WFR, VW or VWFR optics only.
20. Compatible with LT, DMX/RDM and DALIT8 control options only.
21. Available for 700 lumens when combined with 80 or 90 color rendering options and 27K, 30K, 35K or 40K color temperature options only.
22. Available up to 1300 lumens when combined with 80 or 90 color rendering options and 27K, 30K, 35K or 40K color temperature options only.
23. Available up to 2000 lumens when combined with 80 color rendering option. Available up to 1300 lumens when combined with 90 or 95 color rendering options.
24. Available up to 1300 lumens when combined with 80, 90 or 95 color rendering options.
25. Available with SB bezel only.
26. Available up to 2000 lumens when combined with 80, 90 or 95 color rendering options.

How to Order

Control (27)	Decorative Bezel	Decorative Bezel Finish	Trim (61)	Trim Finish	Installation Type	Ceiling Thickness (69)	Option	Accessories (77)
NO On/Off Control (7) (28) (29) **NO3** On/Off Control 347V (4) (6) (7) **DAMC** Standard 0-10V Dimming 1% Linear Curve (5) (7) (29) (30) (31) (32) **DA1** Standard 0-10V Dimming 1% Linear Curve (29) (33) **DA2** Standard 1-10V Dimming 1% Logarithmic Curve (29) (33) **DA3** Standard 0-10V Dimming 1% Linear Curve (347V) (4) (6) (7) **PDA1** Professional 0-10V Dimming 0.1% Linear Curve (29) (33) **PDA2** Professional 0-10V Dimming 0.1% Logarithmic Curve (29) (33) **PH** Phase Dimming (34) (35) **PPH** Phase Dimming 1% (5) (6) (7) (32) (35) (36) **PHB** Pro Phase Dimming ERP PHB Series (5) (31) (37) (38) (39) **ES** Lutron® Hi-lume 1% EcoSystem® LDE1/PEQ1 Soft-on/Fade-to-Black (7) (29) (40) (41) **ESP** Lutron® Hi-lume Premier 0.1% EcoSystem® PEQ0 Soft-on/Fade-to-Black (7) (29) (42) (43) **CA** Lutron® Caséta dimming compatible (Lutron Hi-lume 1% 2-wire LTEA) (temporarily unavailable) (6) (35) (37) (44) (45) **VI** Lutron® Vive control enabled (Lutron VIVE FCJS-010) (7) (29) (46) (47) **NL** nLight® control enabled (nPS-80-EZ) (7) (29) (46) (47) **NLER** nLight® emergency control enabled (nPS-80-EZ-ER) (7) (29) (46) (47) **NL347** nLight® control enabled 347V (nPS-80-EZ-347) (6) (7) (37) (46) (47) **SDALI1** Standard DALI Dimming 1% Linear Curve (7) (29) **SDALI2** Standard DALI Dimming 1% Logarithmic Curve (7) (29) **DALI1** Professional DALI Dimming 0.1% Linear Curve (7) (29) **DALI2** Professional DALI Dimming 0.1% Logarithmic Curve (7) (29) **DALIT8** DALI-2 T8 Enabled Dimming 1% (6) (7) (29) (48) (49) **DMX/RDM** DMX/RDM Enabled Dimming 1% (7) (29) (50) (51) (52) **LT** Lumentalk Enabled Dimming (7) (29) (53)	**SB** Standard **MB** Mid/Semi Recess **DB** Deep Recess **DR** Deep Rollover	**MWH** Matte White **MBK** Matte Black (54) **NKS** Nickel Satin (55) **DCH** Dark Chrome (54) **BCH** Bright Chrome (55) **SWT** Satin Wheat (56) **CPG** Champagne Gold (57) (58) **CC** Custom Color Trim (56) (59) **SP** Special Point Source Color (56) (60)	**RD** Round (62) **SR** Square Trim with Round Hole (62) **TLR** Trimless Round (62) **SQ** Square (63) **TLS** Trimless Square (63)	**MWH** Matte White **MBK** Matte Black **NKS** Nickel Satin **CC** Custom Color Trim (59) **SP** Special Point Source Color (60)	**RM** Remodel Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142) (64) **NC** New Construction Non-Insulated Ceiling (Plenum Rated in Accordance to UL 2043 & CAN/ULC-S142) (64) **PC** Plenum Non-Insulated Ceiling (Enclosed Box) (43) (65) (66) (67) **IC** New Construction Insulated Ceiling (Enclosed Box) (43) (65) (66) (67) **IC/AT** New Construction Insulated Ceiling (Chicago Plenum/airtight, enclosed box) (43) (65) (66) (67) **RMR** Remote Recessed Insulated Ceiling/Plenum (enclosed box) (43) (65) (66) (67) (68)	**1** 0.04 in to 1 in Ceiling Thickness **2** 1.05 in to 2 in Ceiling Thickness	**WET** IP54 Rating Suitable for Wet Locations (70) (71) (72) (73) **EBB** Emergency Battery Backup with Hanger Bar (Bodine BSL17C-C2) (5) (7) (29) (74) (75) (76) **EBI** Emergency Battery Backup with Hanger Bar (Iota ILB-CP07-A TBTS) (5) (7) (29) (74) (75) (76)	**NA** No Accessory **HL** Honeycomb Louver (7) (78) **XLVR** Concentric Ring Louver (7) (79) (80) **CL** Clear Glass Lens (73) **SL** Softening Glass Lens (73) **PD** Prismatic Diffuser (81) **LSN** Linear Spread Lens Narrow (1° x 40°) (7) (82) (83) **LSW** Linear Spread Lens Wide (1° x 60°) (7) (83) (84) **BW1** Beam Widening Lens (+10°) (7) (83) **BW2** Beam Widening Lens (+20°) (7) (83) **BW3** Beam Widening Lens (+30°) (7) (83)

Notes:

4. Not available for 700 lumens. Not available for 1000 lumens when combined with 80 color rendering option.

5. Not available for DTW, DTWP, DWH, DWW or DWWP color options.

6. Not available for XN and VN optics.

7. Not available for ENERGY STAR certification.

27. Control options vary according to color temperature, color rendering, optics and installation type combination. Refer to website product configurator for details.

28. Manufacturer's choice driver. Order code may change to NO1.

29. Not available with 347V.

30. Manufacturer's choice driver. Order code may change to DAMC1 or DAMC2.

31. Not available for XN and VN optics.

32. Available up to 3000 lumens when combined with 80 color rendering option. Available up to 2000 lumens when combined with 90 or 95 color rendering options.

33. Driver cuts off power to the fixture when the control signal drops below 0.5V.

34. Manufacturer's choice driver. Order code may change to PH1 or PH2.

35. Available for 120V voltage option only.
36. Manufacturer's choice driver. Order code is subject to change.
37. Not available for 700 lumens.
38. Not available for N, NR, NFR, M, MFR, W, WFR, VW and VWFR optics when combined with 1000 lumens.
39. Not available for 5000 lumens when combined CR80.
40. One EcoSystem® address per fixture. Available for static white color temperature options and DTW, DTWP color options only.
41. Available for 3000 lumens and 4000 lumens only.
42. One EcoSystem® address per fixture. Lutron® EcoSystem® Enabled dimming not available for 1300 lumens combined with VN optic. Available for static white color temperatures only.
43. Not available for 3000 and 4000 lumens.
44. Consult factory for CA control option.
45. Requires Caseta Wireless Dimmer PRO Wall Dimmer.
46. Available for RM, NC And RMR installation types only.
47. When used with RMR installation type, the installer is responsible for verifying the wireless distance limitations of the main controller to the remote driver installation.
48. Available for DWH, DWW and DWWP color options only. DALI-2 Type 8 controller required.
49. Not available for PC, IC or IC/AT installation types.
50. Configurable between 8 or 16-bit dimming control via RDM. DMX/RDM requires LumenID, LumenID software and onsite commissioning.
51. A Control Box (CBX-DS or CBX-ST) and lumenID (LID) must be specified.
52. Configurable to 1, 2, or 3 channel control via RDM in the field.
53. A Lumentranslator 2 (LTL2) and LumenID (LID) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.
54. For ENERGY STAR certification, not available with MB, DB and DR decorative bezels when combined with RM or NC installation types or PC, IC and IC/AT installation types when combined with 90 color rendering option.
55. For ENERGY STAR certification, not available with MB, DB and DR decorative bezels when combined with RM or NC installation types.
56. For ENERGY STAR certification, not available with MB, DB and DR decorative bezels.
57. Coming soon, consult factory for details.
58. Available with DB and DR Bezels only.
59. Longer lead times can be expected for custom RAL color finishes.
60. Refer to Cylinder specification sheet and brochure for color options.
61. Not applicable to DR bezel option.
62. Cannot be combined with square ceiling cutout.

63. Cannot be combined with round ceiling cutout.
64. Available for 700 lumens when combined with XN optic and up to 1300 lumens when combined with VN. Available up to 2000 lumens when combined with NS, NSR, NSFR and N optics. Available up to 4000 lumens when combined with NR and NFR, M, MFR, W, WFR, VW and VWFR optics. Refer to optic option notes for color rendering limitations.
65. Available for 700 lumens when combined with XN optic. Available up to 1300 lumens when combined with VN, NS, NSR and NSFR optics. Available up to 2000 lumens when combined with N, NR, NFR, M, MFR, W, WFR, VW and VWFR optics. Refer to optic option notes for color rendering limitations.
66. Not available for 2000 lumens when combined with DTW and DTWP color options.
67. Not available for DWH, DWW or DWWP color options.
68. Remote distance is a maximum of 75 ft. For longer remote distances, please contact Lumenpulse Application Engineering Team for application validation.
69. Ceiling springs are field changeable, consult factory and installation instructions for details.
70. IP54 rating only if installation is interior covered recessed ceiling-mounted or exterior canopy-mounted.
71. DR bezel is recommended for outdoor canopy installations.
72. A CL, SL or PD must be specified to maintain an IP54 rating. A second accessory may be specified.
73. For ENERGY STAR certification, not available with RM or NC installation types when combined with 90 color rendering option combined and 2000 lumens.
74. Available for RM and NC installation types only.
75. Emergency battery backup options require ceiling access for test button use. The battery will operate for 90 minutes minimum and maintain a minimum of 1 fc from a 7 ft 2 in height as per UL 924. For indoor use only in dry or damp locations.
76. Emergency battery backup options are field installed and not presided by Lumenpulse. Refer to related installation instructions for details.
77. Maximum two accessories per fixture.
78. Not available for DTW and DTWP color options.
79. Available for XN, VN and NS optics only.
80. Can be combined with PD accessory only.
81. Recommended to be combined with HL or XLVR accessory only.
82. Recommended for XN, VN, NS, NSR, NSFR, N, NR and NFR optics when combined with 2200K, 2700K, 3000K, 3500K, 4000K color temperature options. Nominal 10° x 40° distribution when used with the NS optic. Available for NFR optic when combined with DTW, DTWP, DWH, DWW or DWWP color options only.
83. For optimal performance, it is not recommended to mix with other accessories.
84. Recommended for XN, VN, NS, NSR, NSFR, N, NR and NFR optics when combined with 2200K, 2700K, 3000K, 3500K, 4000K color temperature options. Nominal 10° x 60° distribution when used with the NS optic. Available for NFR optic when combined with DTW, DTWP, DWH, DWW or DWWP color options only.

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1220 Marie-Victorin Blvd., Longueuil, QC, J4G 2H9, CAN | **T** 514.937.3003 | 1.877.937.3003 | info@lumenpulse.com
www.lumenpulse.com   www.lumenpulse.com/products/5090