

PHILIPS LIGHTOLIER

Dimming

LED Compatibility



Project: _____

Location: _____

Cat.No: _____

Type: _____

Lamps: _____ Qty: _____

Notes: _____

Dimming compatibility for Philips Lightolier
Calculite, LyteCaster & LyteProfile downlighting.

Calculite LED downlights

LyteProfile LED downlights



1.75"
C2L



3"
C3L085N



4", 6", 7" & 8"
C4L, C6L, C7L, C8L
C4X4L, C6X6L
(generation 1 & 2)



4" & 6"
P4RD, P6RD



4", 6", 7"
C4L, C6L, C7L
(generation 3)

LyteCaster LED downlights



Retrofit 5"/6³/₄"
L56LED



Remodelers 5" & 6³/₄"
1000LED, 1100LED



Uniframe 5" & 6³/₄"
1001LED, 1101LED



Xceed & 3", 4", 5", 6"
1050L, L3A, L3C,
L_RAE1VA, L_R_RE1VA,
L_RAZ10U, L5RAEWG1



Lyteninig 5"
1004_LED



SlimSurface 4", 5", 6", 7"
S4S, S5R, S6S, S7R

CorePro LED luminaires



Downlight
CP4, CP5, CP6



Flat Downlight
FD4, FD6



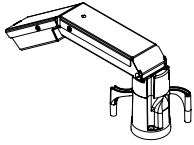
Retrofit Downlight
RD4, RD5



Surface Mount Downlight
SD5, SD7

LED-DIM-DL Dimming compatibility

For Calculite downlighting



Information relates to the Calculite products listed below.
 - C2L04DL (see next section for Z10V options)

Philips Controls dimmers

Product Name	Part Number	Fixtures/dimmer*	Control Range
Multiset Pro	MHP500QE	1 - 30	30% - 100%
	MSP300QE	1 - 18	30% - 100%

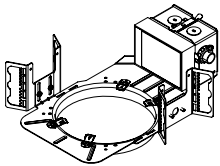
Leviton dimmers

Product Name	Part Number	Fixtures/dimmer*	Control Range
IllumaTech	IPE04	-	11% - 100%
SureSlide	6615-P	-	25% - 100%
Vizia	VPE04	-	15% - 100%

Lutron dimmers

Product Name	Part Number	Fixtures/dimmer*	Control Range
Vierti	VTENV-600M	1 - 36	9% - 100%
Maestro	MRF2-6ND	1 - 36	9% - 100%
	MRF2-6ELV	1 - 36	7% - 99%
	MAELV-600	1 - 36	15% - 100%
Nova-T	NTELV-600	1 - 36	19% - 99%
Skylark	SELV-300P	1 - 18	9% - 100%
Diva	DVELV-300P	1 - 18	10% - 100%
Nova	NLV-600	1 - 36	9% - 100%
GRAFIK Eye	PHPM-WBX (DVF103P)	-	5% - 100%

* Calculated as (dimmer wattage *67%) / 11W (max fixture wattage).



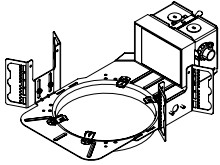
Information relates to the Calculite products listed below (please verify with vendors).

- C2L04DL_Z10V
- C4L_Z10V
- C7L_Z10V
- C4X4L_Z10V
- C3L085N_Z10V
- C6L_Z10V
- C8L_Z10V
- C6X6L_Z10V

Control manufacturers	Product Name	120 V ~ Part Number	277 V ~ Part Number	Power booster available
Philips Controls	Sunrise Preset slider	SR1200ZTUNV	SR1200ZTUNV	-
Douglas Lighting Controls	Wall Dimmer	WPN-5721		-
Entertainment Technology	Tap Glide	TG600FAM120	-	-
	Tap Glide Heatsink	TGH1500FAM120	-	-
	Oasis	OA2000FAMU		-
Honeywell, Inc.	-	EL7315A1019 and EL7315A1009		EL7305A1010
Hunt Dimming	Preset Slide	PS-010-IV-120V PS-010-WH-120V PS-010-3W-IV-120V PS-010-3W-WH-120V	PS-010-IV-277V PS-010-WH-277V PS-010-3W-IV-277V PS-010-3W-WH-277V	-
	Prest Slide controls FD-010:	PS-IFC-010-IV- PS-IFC-010-WH-120/277V PS-IFC-010-3W-IV- PS-IFC-010-3W-WH-120/277V		-
	Remoted mounted unit	FD-010-120V	FD-010-277V	-
Lehigh Electric Products Co.	Solitaire	Solitaire		PBX
Leviton Lighting Controls Div.	Leviton Centura Fluorescent Control System IllumaTech™ IP7 Series			CN100 PE300
Lithonia Controls	Digital Equinox (DEQ BC), ISD BC & SLD LPCS			RDM FC
Starfield Controls	TR61 with DALI interface port			RT03 DALInet Router
The Watt Stopper, Inc.	LS-4 used with LCD-101 and LCD-103			

LED-DIM-DL Dimming compatibility

For Calculite downlighting



Information relates to the Calculite products listed below.

- C3L085N_LD - C4L_LD - C7L_LD - C4X4L_LD
 - C6L_LD - C8L_LD - C6X6L_LD

Lutron dimmers

Guaranteed performance specifications with the controls listed in the chart below.

Product Name	Part Number	Fixtures per Control ¹		Measured Light Output Range
		120 V ~	277 V ~	
NovaT [®] *	NTF-10- NTF-103-P	120 V ~	277 V ~	100% - 1% 100% - 1%
		1 - 41 1 - 20	1 - 44 1 - 33	
Nova [®]	NF-10- NF-103-P	120 V ~	277 V ~	100% - 1% 100% - 1%
		1 - 41 1 - 20	1 - 44 1 - 33	
Vareo [®]	VF-10-	1 - 20	-	100% - 1%
Skylark [®]	SF-10P- & SF-103P-	1 - 20	1 - 33	100% - 1%
Diva [®]	DVF-103P- & DVSCF-103P-	1 - 20	1 - 33	100% - 1%
Ariadni [®]	AYF-103P-	1 - 20	1 - 44	100% - 1%
Vierti [®]	VTF-6A-	1 - 15	1 - 33	100% - 1%
Maestro [®]	MAF-6AM- & MSCF-6AM-	1 - 15	1 - 33	100% - 1%
Maestro Wireless [®]	MRF2-F6AN-DV-	1 - 15	1 - 33	100% - 1%
RadioTouch [®]	RTA-RX-F-	1 - 41	1 - 88	100% - 1%
Spacer System [®]	SPSF-6A & SPSF-6AM-	1 - 15	1 - 33	100% - 1%
Lyneo [®] LX	LXF-103PL-	1 - 20	1 - 33	100% - 1%
RadioRA [®] 2	RRD-F6AN-DV-	1 - 15	1 - 33	100% - 1%
HomeWorks [®] QS	HQRD-F6AN-DV-	1 - 15	1 - 33	100% - 1%
Interfaces ²	PHPM-3F-120 - PHPM-3F-DV & GRX-FDBI-16A	1 - 41	-	100% - 1%
		1 - 41	1 - 88	100% - 1%
PowPak [®] dimming module with EcoSystem [®]	RMJ-ECO32-DV-B	32 per EcoSystem [®] link		100% - 1%
Energus Savr Node [™] with EcoSystem [®]	QSN-1ECO-S, QSN-2ECO-S	64 per EcoSystem [®] link		100% - 1%
GRAFIK Eye [®] QS with EcoSystem [®]	QSGRJ-_E, QSGR-_E -	64 per EcoSystem [®] link		100% - 1%
Quantum [®]	Various	64 per EcoSystem [®] link		100% - 1%

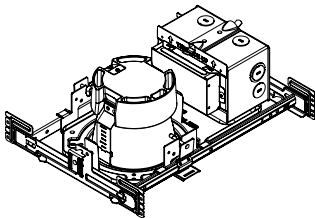
1. Fixtures per control value assumes 40W fixture. Number of fixtures may be higher if wattage is less than 40W and may be lower if ganged. See control specification submittal sheet for details.

2. For use with 3-wire controls of commercial systems, Radio RA[®] systems or home systems applications.

Contact Lutron technical support for derating rules when using wallbox controls on the Hi-lume[®] A- Series LED driver in multi-gang applications.

For the list of compatible controls, visit www.lutron.com/HiLumeLED and select "EcoSystem/3-Wire control report card".

Specifications are subject to change without notice, visit www.lutron.com for latest dimming specifications.



Information relates to the Calculite LED generation 3 products (4", 6", & 7").

Philips Controls dimmers

Product	Part Number	Control Range
Sunrise	SR1200ZTUNV	0-10V 1% dimming

Leviton dimmers

Product	Part Number	Control Range
Illumatech	IP7 Series	0-10V 1% dimming

Lutron dimmers

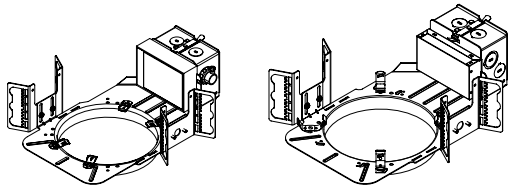
Product	Part Number	Control Range
Sunrise	SR1200ZTUNV	0-10V 1% dimming

Visit www.lutron.com/advance for a list of dimmers (Mark VII) that will work with this driver.

Product	Control Range
Hi-lume EcoSystem H series	1% dimming
EldoLED EcoDrive	DALI 1% dimming

LED-DIM-DL Dimming compatibility

For Calculite, LyteProfile & LyteCaster downlighting



Information relates to the Calculite & LyteProfile products listed below.

- C8L_Z10V (Calculite)
- P4RD_Z10 & P6RD_Z10 (LyteProfile)

Philips Controls dimmers

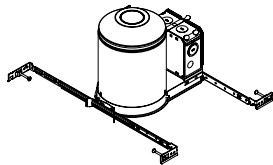
Product Name	Part Number
Sunrise	SR1200ZTUNV

Leviton dimmers

Product Name	Part Number
IllumaTech	IP7 series

Lutron dimmers

Product Name	Part Number
Nova	NFTV
Nova T	NTSTV-DV
Diva	DVTV, DVSTV
Grafik Eye Qs (Calculite only)	QSGRJ-XP, QSGRJ-XE, QSGR-XF
Maestro	MS-Z101, MS-Z101-V



Information relates to the LyteCaster products listed below.

- | | | | | | | |
|----------------------|-------------|--------------|---------------------|-------------|---------------------|---------|
| LyteCaster Remodeler | - 1000LED_D | - 1000LED_E1 | LyteCaster Retrofit | - L56LED_D | LyteCaster Lytening | - 1013L |
| | - 1100LED_D | - 1100LED_E1 | | - L56LED_E1 | | - 1076L |

Philips Controls dimmers

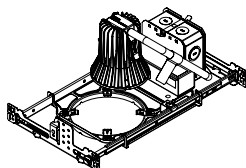
Product Name	Part Number	Control Range
MultiSet Pro	MSP300QE	16.5% - 100%

Leviton dimmers

Product Name	Part Number	Control Range
Sure Slide	6615-P	11.7% - 100%
Trimatron Delux	6684	3.57% - 100%
Decora	6621-PW	1.03% - 100%
	6633	7.96% - 100%
	IPI06	8.5% - 100%

Lutron dimmers

Product	Part Number	Control Range	Product	Part Number	Control Range
Arinadi	AY600P	10.53% - 100%	Skylark	S-600	1.77% - 100%
Diva	DVELV-300-P	6.8% - 100%		SLV600P	7.58% - 100%
	DVELV-600P-IV	11.7% - 100%		S603P	1.84% - 100%
	DVELV-300P-AL	8% - 100%		CTCL153PD	1.7% - 100%
	DV600P	1.59% - 100%		CT-600PR-LA	3.6% - 100%
	DV603P	3.68% - 100%	-	TG603PG	7.51% - 100%



Information relates to the LyteCaster Uniframe products listed below.

- 1001LED_D
- 1001LED_Z10U
- 1101LED_D
- 1101LED_Z10U

Philips Controls dimmers

Product Name	Part Number	Control Range
Sunrise	SR1200ZTUNV	9% - 100%

Leviton dimmers

Product Name	Part Number	Control Range
IllumaTech Decora	IP710-DLX (120V)	9% - 100%
	IP710-DLX (277V)	20% - 100%

Lutron dimmers

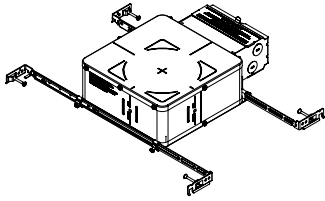
Product Name	Part Number	Control Range
Diva	DVTV with PP120H power pack	20% - 100%

Hunt dimmers

Product Name	Part Number	Control Range
Eclipsis	PS-010 Series	20% - 100%

LED-DIM-DL Dimming compatibility

For LyteCaster downlighting



Information relates to the LyteCaster Xceed products listed below.

- **1050_D series** (ELV dimming. Dimming range 100% down to <15%)
(Electronic low voltage dimming. Dimming range 100% down to < 15)
- **1050_E1** (ELV/TRIAC dimming. Dimming range 100% down to <10%)
- **1050_Z10U** (0-10V dimming. Dimming range 100% down to <10%)

Philips Controls 0-10V dimmer

Product Name	Part Number
Sunrise	SR1200ZTUNV

Leviton ELV dimmers

Part Number
VPE04, VPE06, IPE04, 6615, ATE04, ATE06, VRE06

Lutron ELV dimmers

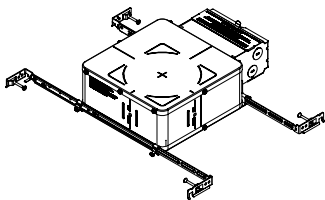
Part Number
VTELV-600M, MRF2-6ELV, NTELV-600, SELV-300P, PHPM-WBX with DVF-103P, HW/LP-RPM-4A-120

Leviton 0-10V dimmer

Product Name	Part Number
IllumaTech	IP7 Series

Lutron 0-10V dimmers

For more information
Visit www.Lutron/Advance for a list of dimmers (Mark VII) that will work with this driver.



Information relates to the LyteCaster products listed below.

- **L3A + L3C, L3N, L3A, L3C, L_RAE1VA, L_R_RE1VA, L_RAZ10UVA, L5REWG1** (LyteCaster and Core Plus).

ELV + TRIAC **L3A + L3C**

Leviton dimmers

Product Name	Part Number
Illumatech	IPX06
Decora	6615-P 6633-P

Lutron dimmers

Product Name	Part Number
Diva	DVLEV-303P
Skylark	SLEV-300P
Maestro	MAELV-600 MAW-600

4" ELV + TRIAC **L4RAE1**

Leviton dimmers

Product Name	Part Number
Illumatech	IPE04
Decora	6615-P

Lutron dimmers

Product Name	Part Number
Diva	DVELV-303P
Skylark	S-603P

5" & 6" ELV **L_RAE1VA + L_R_RE1VA** 4", 5" & 6" 0-10V **L_RAZ10U**

Leviton dimmers

Product Name	Part Number
Illumatech	IPE04
Decora	6615-P

0-10V **L3N Series**

Philips Controls dimmers

Product Name	Part Number
Sunrise	SR1200ZTUNV

Leviton dimmers

Product Name	Part Number
Illumatech	IP710

Philips Controls dimmers

Product Name	Part Number
Sunrise	SR1200ZTUNV

Leviton dimmers

Product Name	Part Number
Illumatech	IP7 Series

Lutron dimmers

Product Name	Part Number
Nova	NFTV
Nova T	NTSTO-DV
Diva	DVTV, DVSTV
Grafik Eye Qs	QSGRJ-XP, QSGRJ-XE, QSGR-XF

Warm glow dimming effect
L5REWG1

Philips Controls dimmers

Product Name	Part Number
Sunrise	SR1000VA120,

Leviton dimmers

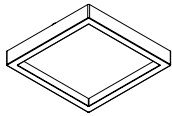
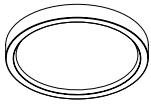
Product Name	Part Number
Decora	6615-P
Illumatech	IPE04
Sureslide	6621-P

Lutron dimmers

Product Name	Part Number
Toggle	TGCL-153PR
Skylark	CTCL-153PR

LED-DIM-DL Dimming compatibility

For LyteCaster downlighting



Information relates to the SlimSurface products listed below.

- **S4S, S6S, S5R, S7R** (ELV/TRIAC & 0-10V dimming)

Philips Controls dimmers

Product	Type	Part Number	Min. Dim
Sunrise	TRIAC	SR150LED120	3%
	ELV	SR400RPC120	3%
	0-10V	SR1200ZTUNV	—

Cooper dimmers

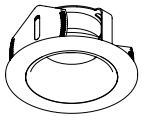
Product	Type	Part Number	Min. Dim
Aspire	TRIAC	9530WS-K	—

Leviton dimmers

Product	Type	Part Number	Min. Dim
Illumatech	ELV	IPE04-1LX	3%
	TRIAC	IPL06 IPI06-1LZ	4% —
	0-10V	IP7 series	—
Trimatron	TRIAC	6602-X	—
		6681-X	—
		6683-X	—
		6684-X	—
		700-X & 705-X	—
Sureslide	TRIAC	6633 6674	— 5%
		ELV	6615-POT

Lutron dimmers

Product	Type	Part Number	Min. Dim
Skylark	TRIAC	SLV-600-X S2-LX	— —
		ELV	SELV-300P SELV-303P
Diva	TRIAC	DVLV-600P	—
	ELV	DVELV-300P	5%
	0-10V	DVTV & DVSTV	—
Maestro	ELV	MAELV-600	3%
	0-10V	MS-Z101 & MS-Z101-V	—
Nova	TRIAC	NFTU-5A	—
	ELV	NTELV-600	—
	0-10V	NFTV	—
Nova T	0-10V	NFSTV-DV	—
Glyder	TRIAC	GL-600H	—
Grafik Eye Qs	0-10V	Calculite only: QSGRJ-XP, QSGRJ-XE, QSGRJ-XF	—



Information relates to the LyteCaster accent products listed below.

- **L3A & L3C** (ELV & TRIAC) & **L3N** (0-10V dimming)

L3A & L3C (ELV & TRIAC dimming) with Control Ranges of 10%-100%

Lutron dimmers

Product Name	Part Number
Diva	DVLEV-303P
Skylark	SLEV-300P
Maestro	MAELV-600 MAW-600

Leviton dimmers

Product Name	Part Number
Decora	6615-P 6633-P
Illumatech	IPX06

L3N (0-10V dimming) with Control Ranges of 10%-100%

Philips Controls dimmers

Product Name	Part Number
Sunrise	SR1200ZTUNV

Leviton dimmers

Product Name	Part Number
Illumatech	IP710



Information relates to the CorePro downlight products listed below.

- **CP4, CP5, CP6** (TRIAC dimming)

CP4, CP5 & CP6 (TRIAC dimming) with Control Ranges of 10%-100%

Leviton dimmers

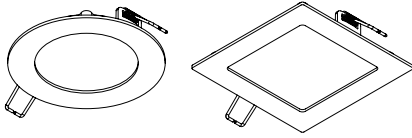
Product Name	Part Number
Decora	6161
TrueTouch	TT106-1

Lutron dimmers

Product Name	Part Number		
Skylark	SCL-153P CT-600P CT-603PG CTCL-153P		
	Diva	DVLV-600P DV-603P DV-600P	
		SureSlide	6674

LED-DIM-DL Dimming compatibility

For LyteCaster downlighting



Information relates to the LED Flat downlight products listed below.

- **FD4 & FD6** (ELV & TRIAC dimming)

Philips Controls dimmers

Product	Type	Part No.	Min. Dim
Sunrise	TRIAC	SR1000VA120	1%

Leviton dimmers

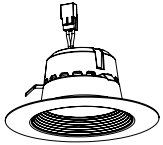
Product	Type	Part No.	Min. Dim
Illumatech	TRIAC	IPL06	1%
Sureslide	ELV	6615-PO_	2.5%

Lutron dimmers

Product	Type	Part No.	Min. Dim
Skylark	TRIAC	CT-600P	1%
Contour			
Skylark	TRIAC	SCL-153P	1%
	ELV	SELV-300P	4%
ARIADNI	TRIAC	AYCL-153P	1%

Cooper

Product	Type	Part No.	Min. Dim
Aspire	TRIAC	9530WS-K	2%

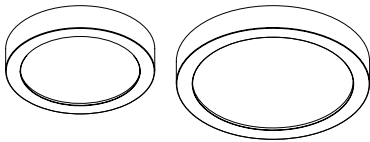


Information relates to the LED Retrofit Downlight listed below.

- **RD4 & RD5** (ELV & TRIAC dimming)

Lutron dimmers

Product	Type	Part No.	4" Min. Dim.	5" Min. Dim.
Diva	ELV	DVELV-300P	10%	10%
	TRIAC	DV-603P	7%	7%
Ariadni	TRIAC	AY-600P	14%	16%
Maestro	TRIAC	MACL-153M	4%	4%



Information relates to the LED Surface Mount Downlight listed below.

- **SD5 & SD7** (ELV & TRIAC dimming)

Lutron dimmers

Product	Type	Part No.	5" Min. Dim.	7" Min. Dim.
Diva	ELV	DVELV-300P	10%	9%
	TRIAC	DV-603P	6%	8%
Ariadni	TRIAC	AY-600P	15%	16%
Maestro	TRIAC	MACL-153M	3%	4%

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