

APPLICATION

High-lumen square-aperture recessed downlight features vertical adjustability that is suitable for sloped ceiling applications that require energy saving LED technology. Product is also ideal for areas that require wall washing and accent lighting. Multiple beam distributions are ideal substitutes for par lamps, allow flexibility for the designer and eliminate glare and cut off issues.

PRODUCT DATA

REFLECTOR: Dual-optic system includes upper cone which determines the beam distribution and lower angled reflector to finish the ceiling without glare. Upper reflector and LED engine are mounted to a single axis adjustable chassis that tilts up to 38° to accommodate sloped ceilings. Standard finish is soft clear Alzak with matching polished flange. Other custom color reflectors are available. Consult factory.

HOUSING: Heavy-gauge steel housing provides a secure mounting platform for the electrical components and protects the optical assembly. Standard plaster flange allows one-inch ceiling thickness. LED components are accessible from below.

MOUNTING: Universal mounting brackets adjust vertically and accept L-BAR interlocking, expandable C-channel hanger bars which are supplied standard. L-BARS are suitable for T-bar, wood joist and metal joist ceiling styles. Additional features on last page.

ELECTRICAL: 120 or 277 VAC, 50-60 Hz.

JUNCTION BOX: Heavy-gauge galvanized junction box pre-wired with grounding pigtail. Easy access covers. Multiple conduit knockouts listed for through branch circuit wiring.

LED MODULE: Bridgelux LED module. CRI = 80. Available in 90 CRI.

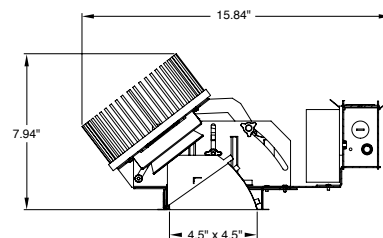
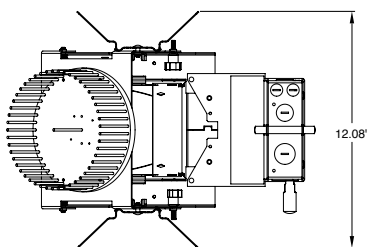
HEAT MANAGEMENT: Engineered heat sink provides passive cooling for optimum heat management of the LED engine.

DIMMING: Standard product is compatible with 0-10 volt dimming controls. Additional options available.

- Expected lamp life to be 50,000 hours with 70% lumen maintenance when ambient temperatures do not exceed 45°C. Lower ambient temperatures yield longer lamp life.



For Damp Location



Rough Opening 5.13" x 5.13"

Catalog #:

4SQSCALBV

Example: 4SQSCALBV404KE1LDA

Fixture Series	Lumens	Color Temp.	Input Voltage	Beam Dist.	Dimming
4SQSCALBV	10 = (744L-862L, 9W)	5K = 5000K 4K = 4000K 35K = 3500K 3K = 3000K 27K = 2700K	E1 120 Volt E2 277 Volt E3 347V ^{***}	L = Primary reflector for lensed trim	DA = Xitanium 1% 0-10V (linear) standard. More Options on Next Page
	20 = (1823L-2112L, 21W)				
	30 = (2503L-2900L, 29W)				
	40 = (3463L-4012L, 42W)				
	50 = (4075L-4721L, 50W)				
	60 = (4948L-5732L, 64W)				
	70 = (5634L-6527L, 75W)				
	80 = (6033L-6989L, 83W)				
	90 = (6900L-7994L, 84W)				
	100 = (7514L-8706L, 93W)				
	C9 = 90 CRI See following pages for delivered lumens details.				

^{**} 347V limited to 10-50 lumen designations and DS dimming option.

Options

EM[^] = Emergency Power Pack

[^] DMX and 347V options are not compatible with emergency battery options.

Fixture:	Type:
Project:	

CALIBER PLUS

ARCHITECTURAL

SERIES 4SQSCALBV Sloped Ceiling

Square Aperture 744-8706 Lumen Bridgelux LED - Lensed

5 Year
Warranty

3-IN-1-ER

- Sloped Ceiling
- Wall Wash
- Accent
- Single Axis Vertical Adjustment



4SQSCA

Example: 4SQSCASCLPF

	Trim Finish w/polished flange
4SQSCA below	– Angled Reflector for lenses shown
L3	– C73 Prismatic Glass Lens
L5	– Frosted Glass Lens
L6	– Frosted Acrylic Lens
L7	– Solite Micro-Prismatic Lens
L8	– Clear Poly-Carbonate Lens
L9	– Clear Tempered Glass Lens
LW6	– Micro Linear Spread Lens for wall washing
SCLPF	– Soft Specular Clear Alzak
HAZPF	– Haze Alzak
For white painted flange, drop "PF" from Catalog #. For other finishes, consult last page.	

Manufactured and tested to UL#1598, UL#8750 and CSA standards. Note: Suitable for damp location.

Fixtures are not designed for direct contact with insulation.

All Pathway® products meet or exceed requirements as established by the National Electrical Code. Specifications subject to change without notice.



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LDBV7.1
CDUNUN

Dimming Options:

Specify option by suffix (shown in bold-face type)

Our White Paper regarding Linear vs. Logarithmic Operating Characteristics is available in our 'Downloads' section of our website, or you may request one by emailing Sales@PathwayLighting.com

0-10V Dimming Options	Lutron Dimming Options	DALI Dimming Options
DA = Xitanium 1% 0-10V (linear)# DB = Xitanium 1% 0-10V (logarithmic)# DC = EldoLED 0-10V 0% (logarithmic)# DD = EldoLED 0-10V 1% (logarithmic)# DE = EldoLED 0-10V 0% (linear)# DF = EldoLED 0-10V 1% (linear)# DR = ERP 01-10V 1% (linear) lumen designation 100 only DS = 0-10V 1% (linear) 347V only, max lumen designation 50 DT = 0-10V 1% (linear) dim to off, max lumen designation 50	Max Lumen Designation of 40 DG = Lutron Eco 1% (linear) DJ = Lutron 2 wire 1% (linear)	Max Lumen Designation of 90 DK = EldoLED DALI 0% (logarithmic) DL = EldoLED DALI 1% (logarithmic)

DMX Dimming Options	Misc. Dimming Options
Max Lumen Designation of 40 RDM COMPLIANT XG = DMX EldoLED 0% (logarithmic) XH = DMX EldoLED 0% (linear)	DP = ERP 2-Wire Forward/Reverse Phase (120V, lumen designation 100 only) DQ = 2-Wire forward/reverse phase (120V) and 0-10V (1% linear) max lumen designation 80

DMX^ Dimming Options (interfaced through 0-10V driver)
XA = DMX Xitanium 1% (linear)^# XB = DMX Xitanium 1% (logarithmic)^# XC = DMX EldoLED 0% (logarithmic)^# XD = DMX EldoLED 1% (logarithmic)^# XE = DMX EldoLED 0% (linear)^# XF = DMX EldoLED 1% (linear)^# XR = DMX 1% (linear) lumen design. 100 only ^

^ DMX and 347V options are not compatible with emergency battery options.

Only available with lumen designations 10-90.

Delivered Lumen Data (3500K Color Temperature) - C73 Prismatic Glass

FIXTURE	TRIM	WATTAGE	RATED LUMENS	DELIVERED LUMENS	BEAM DISTRIBUTION	LPW
4SQSCALBV1035KL	4SQSCAL3SCLPF	9	1000	816	56°	90.70
4SQSCALBV2035KL	4SQSCAL3SCLPF	21	2000	2001	56°	95.27
4SQSCALBV3035KL	4SQSCAL3SCLPF	29	3000	2748	56°	94.75
4SQSCALBV4035KL	4SQSCAL3SCLPF	42	4000	3801	56°	90.49
4SQSCALBV5035KL	4SQSCAL3SCLPF	50	5000	4472	56°	89.44
4SQSCALBV6035KL	4SQSCAL3SCLPF	64	6000	5431	56°	84.85
4SQSCALBV7035KL	4SQSCAL3SCLPF	75	7000	6184	56°	82.45
4SQSCALBV8035KL	4SQSCAL3SCLPF	83	8000	6621	56°	79.77
4SQSCALBV9035KL	4SQSCAL3SCLPF	84	9000	7574	56°	90.16
4SQSCALBV10035KL	4SQSCAL3SCLPF	93	10000	8248	56°	88.68

Above Values reflect 3500K color temperatures.

Scaling factors for other temperatures: 2700K = .92 ; 3000K = .97 ; 4000K = 1.01 ; 5000K = 1.04

90 CRI = .83

Delivered Lumen Data (3500K Color Temperature) - Frosted Glass

FIXTURE	TRIM	WATTAGE	RATED LUMENS	DELIVERED LUMENS	BEAM DISTRIBUTION	LPW
4SQSCALBV1035KL	4SQSCAL5SCLPF	9	1000	744	55°	82.64
4SQSCALBV2035KL	4SQSCAL5SCLPF	21	2000	1823	55°	86.80
4SQSCALBV3035KL	4SQSCAL5SCLPF	29	3000	2503	55°	86.33
4SQSCALBV4035KL	4SQSCAL5SCLPF	42	4000	3463	55°	82.45
4SQSCALBV5035KL	4SQSCAL5SCLPF	50	5000	4075	55°	81.49
4SQSCALBV6035KL	4SQSCAL5SCLPF	64	6000	4948	55°	77.31
4SQSCALBV7035KL	4SQSCAL5SCLPF	75	7000	5634	55°	75.12
4SQSCALBV8035KL	4SQSCAL5SCLPF	83	8000	6033	55°	72.68
4SQSCALBV9035KL	4SQSCAL5SCLPF	84	9000	6900	55°	82.15
4SQSCALBV10035KL	4SQSCAL5SCLPF	93	10000	7514	55°	80.80

Above Values reflect 3500K color temperatures.

Scaling factors for other temperatures: 2700K = .92 ; 3000K = .97 ; 4000K = 1.01 ; 5000K = 1.04

90 CRI = .83

Delivered Lumen Data (3500K Color Temperature) - Frosted Acrylic

FIXTURE	TRIM	WATTAGE	RATED LUMENS	DELIVERED LUMENS	BEAM DISTRIBUTION	LPW
4SQSCALBV1035KL	4SQSCAL6SCLPF	9	1000	789	60°	87.68
4SQSCALBV2035KL	4SQSCAL6SCLPF	21	2000	1934	60°	92.10
4SQSCALBV3035KL	4SQSCAL6SCLPF	29	3000	2656	60°	91.59
4SQSCALBV4035KL	4SQSCAL6SCLPF	42	4000	3674	60°	87.48
4SQSCALBV5035KL	4SQSCAL6SCLPF	50	5000	4323	60°	86.46
4SQSCALBV6035KL	4SQSCAL6SCLPF	64	6000	5250	60°	82.02
4SQSCALBV7035KL	4SQSCAL6SCLPF	75	7000	5978	60°	79.70
4SQSCALBV8035KL	4SQSCAL6SCLPF	83	8000	6401	60°	77.12
4SQSCALBV9035KL	4SQSCAL6SCLPF	84	9000	7321	60°	87.16
4SQSCALBV10035KL	4SQSCAL6SCLPF	93	10000	7973	60°	85.73

Above Values reflect 3500K color temperatures.

Scaling factors for other temperatures: 2700K = .92 ; 3000K = .97 ; 4000K = 1.01 ; 5000K = 1.04

90 CRI = .83

Delivered Lumen Data (3500K Color Temperature) - Solite Micro Prismatic Glass

FIXTURE	TRIM	WATTAGE	RATED LUMENS	DELIVERED LUMENS	BEAM DISTRIBUTION	LPW
4SQSCALBV1035KL	4SQSCAL7SCLPF	9	1000	844	51°	93.72
4SQSCALBV2035KL	4SQSCAL7SCLPF	21	2000	2067	51°	98.45
4SQSCALBV3035KL	4SQSCAL7SCLPF	29	3000	2839	51°	97.91
4SQSCALBV4035KL	4SQSCAL7SCLPF	42	4000	3927	51°	93.51
4SQSCALBV5035KL	4SQSCAL7SCLPF	50	5000	4621	51°	92.42
4SQSCALBV6035KL	4SQSCAL7SCLPF	64	6000	5612	51°	87.68
4SQSCALBV7035KL	4SQSCAL7SCLPF	75	7000	6390	51°	85.20
4SQSCALBV8035KL	4SQSCAL7SCLPF	83	8000	6842	51°	82.43
4SQSCALBV9035KL	4SQSCAL7SCLPF	84	9000	7826	51°	93.17
4SQSCALBV10035KL	4SQSCAL7SCLPF	93	10000	8523	51°	91.64

Above Values reflect 3500K color temperatures.

*Scaling factors for other temperatures: 2700K = .92 ; 3000K = .97 ; 4000K = 1.01 ; 5000K = 1.04
90 CRI = .83*

Delivered Lumen Data (3500K Color Temperature) - Clear Poly Carbonate

FIXTURE	TRIM	WATTAGE	RATED LUMENS	DELIVERED LUMENS	BEAM DISTRIBUTION	LPW
4SQSCALBV1035KL	4SQSCAL8SCLPF	9	1000	853	52°	94.73
4SQSCALBV2035KL	4SQSCAL8SCLPF	21	2000	2090	52°	99.51
4SQSCALBV3035KL	4SQSCAL8SCLPF	29	3000	2870	52°	98.96
4SQSCALBV4035KL	4SQSCAL8SCLPF	42	4000	3970	52°	94.51
4SQSCALBV5035KL	4SQSCAL8SCLPF	50	5000	4671	52°	93.42
4SQSCALBV6035KL	4SQSCAL8SCLPF	64	6000	5672	52°	88.62
4SQSCALBV7035KL	4SQSCAL8SCLPF	75	7000	6459	52°	86.12
4SQSCALBV8035KL	4SQSCAL8SCLPF	83	8000	6916	52°	83.32
4SQSCALBV9035KL	4SQSCAL8SCLPF	84	9000	7910	52°	94.17
4SQSCALBV10035KL	4SQSCAL8SCLPF	93	10000	8614	52°	92.63

Above Values reflect 3500K color temperatures.

*Scaling factors for other temperatures: 2700K = .92 ; 3000K = .97 ; 4000K = 1.01 ; 5000K = 1.04
90 CRI = .83*

Delivered Lumen Data (3500K Color Temperature) - Clear Tempered Glass

FIXTURE	TRIM	WATTAGE	RATED LUMENS	DELIVERED LUMENS	BEAM DISTRIBUTION	LPW
4SQSCALBV1035KL	4SQSCAL9SCLPF	9	1000	862	60°	95.74
4SQSCALBV2035KL	4SQSCAL9SCLPF	21	2000	2112	60°	100.56
4SQSCALBV3035KL	4SQSCAL9SCLPF	29	3000	2900	60°	100.01
4SQSCALBV4035KL	4SQSCAL9SCLPF	42	4000	4012	60°	95.52
4SQSCALBV5035KL	4SQSCAL9SCLPF	50	5000	4721	60°	94.41
4SQSCALBV6035KL	4SQSCAL9SCLPF	64	6000	5732	60°	89.57
4SQSCALBV7035KL	4SQSCAL9SCLPF	75	7000	6527	60°	87.03
4SQSCALBV8035KL	4SQSCAL9SCLPF	83	8000	6989	60°	84.21
4SQSCALBV9035KL	4SQSCAL9SCLPF	84	9000	7994	60°	95.17
4SQSCALBV10035KL	4SQSCAL9SCLPF	93	10000	8706	60°	93.61

Above Values reflect 3500K color temperatures.

Scaling factors for other temperatures: 2700K = .92 ; 3000K = .97 ; 4000K = 1.01 ; 5000K = 1.04

90 CRI = .83

Delivered Lumen Data (3500K Color Temperature) - Micro Linear Spread Lens

FIXTURE	TRIM	WATTAGE	RATED LUMENS	DELIVERED LUMENS	BEAM DISTRIBUTION	LPW
4SQSCALBV1035KL	4SQSCALW6SCLPF	9	1000	786	47°H X 69°V	87.33
4SQSCALBV2035KL	4SQSCALW6SCLPF	21	2000	1880	47°H X 69°V	89.52
4SQSCALBV3035KL	4SQSCALW6SCLPF	29	3000	2586	47°H X 69°V	89.17
4SQSCALBV4035KL	4SQSCALW6SCLPF	42	4000	3570	47°H X 69°V	85.00
4SQSCALBV5035KL	4SQSCALW6SCLPF	50	5000	4198	47°H X 69°V	83.96
4SQSCALBV6035KL	4SQSCALW6SCLPF	64	6000	5095	47°H X 69°V	79.61
4SQSCALBV7035KL	4SQSCALW6SCLPF	75	7000	5936	47°H X 69°V	79.15
4SQSCALBV8035KL	4SQSCALW6SCLPF	83	8000	6208	47°H X 69°V	74.80
4SQSCALBV9035KL	4SQSCALW6SCLPF	84	9000	7575	47°H X 69°V	90.18
4SQSCALBV10035KL	4SQSCALW6SCLPF	93	10000	8284	47°H X 69°V	89.08

Above Values reflect 3500K color temperatures.

Scaling factors for other temperatures: 2700K = .92 ; 3000K = .97 ; 4000K = 1.01 ; 5000K = 1.04

90 CRI = .83

OPTIONS & ACCESSORIES

Available Reflector Finishes



Clear
Soft Specular **"SCL"**



Pewter
Diffused **"EPW"**
Soft Specular **"SPW"**



Haze
Diffused **"HAZ"**



Straw
Diffused **"EST"**
Soft Specular **"SST"**



Bronze
Diffused **"EBZ"**
Soft Specular **"SBZ"**



Wheat
Diffused **"EWT"**
Soft Specular **"SWT"**

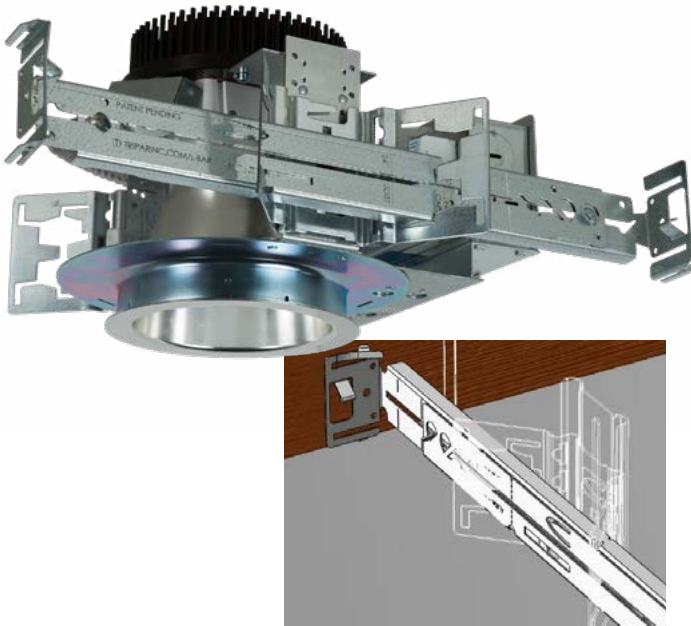
Our standard reflector finish is soft specular clear Alzak (SCL) with a polished self-flange (PF). Additional hues are noted to left. Several of these are offered in both a soft specular and a diffused/matte finish. For colors not shown, contact our sales department for advice on custom anodized finishes.

Specified suffix of desired finish.

Example: 4VLEDSCLPF

For white painted flange omit PF.

Standard Hanger Bars



Interlocking L-Bar hanger bars are now standard with all recessed Coventry Architectural lighting fixtures.

Installer friendly features include:

- L-Bars are fabricated from identical L-shaped cross sections that form a sturdy ½" by 1-1/2" C-channel profile for superior rigidity.
- Pre-marked with spacing locations for 24" T-bar; 16" and 24" joist ceilings (wood and metal).
- Extension locks with an easy-to-use integral twist tab. No separate fastener.
- Interlocking and expandable to 24". Can be increased to 36" or 48" with the use of one additional bars.
- Allows for offset mounting.
- Integral and barbed nail spike for wood joist ceilings.
- Fits into the c-channel notches on our butterfly mounting bracket.
- Complete details including video demonstration is available at www.pathwaylighting.com.

To increase the included L-Bar set to a 36" length, order two model #015-954 and use one per side. To increase to a 48" length, order one #LBAR which is a complete set of four bars and use two per side.