

SPEAK RECESSED DOWNLIGHT (SK1R)

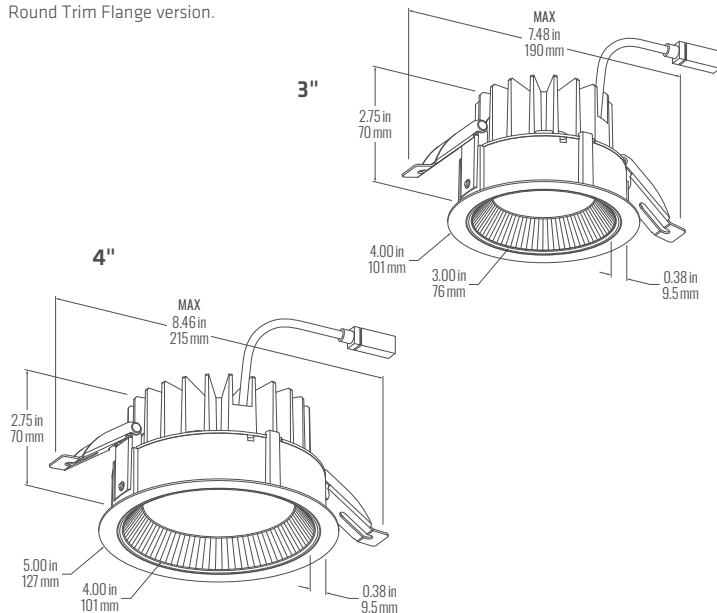
CATALOG

PROJECT

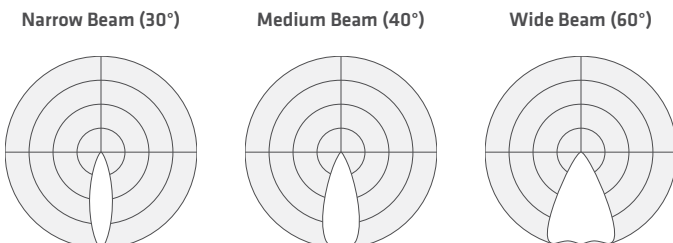
NOTES

DIMENSIONS

Round Trim Flange version.



BEAM ANGLES



PERFORMANCE FOCUS

Wide Beam, 80 CRI 3500 K

Size		Energy (W)	Light (lm)	Efficacy (lm/W)	Certified
3" 4"	B	8 W	800	107	ENERGY STAR TITLE 24 JA8 (90 CRI) (Pending)
3" 4"	C	12 W	1200	106	
3" 4"	D	16 W	1600	104	
4"	E	20 W	2000	102	
4"	F	24 W	2400	99	
Color Matching (SDCM)		Lumen Maintenance (hr)			
		L80 per TM21	L70 Estimate		
< 2		> 54,000	> 140,000		

Preliminary nominal values, refer to back pages for full performance data.

FEATURES

- 3" & 4" diameter recessed open center downlight – reflector replaced by source.
- Anidolic Extraction Optics™ generate a visually comfortable, precisely controlled light distribution in a narrow (30°), medium (40°) or wide beam (60°).
- Optional drop center delivers a bolder ring of light appearance.
- Round or square trims with drywall trimless, millwork and IC housing options for a wide range of ceilings & aesthetics.
- Matching adjustable 1, 2 or 3 light recessed multiple available.
- Wide beam UGR < 19, medium & narrow beam < 16.
- A variety of CRI, CCT and output choices as well as dim-to-warm control.



SPECIFICATION DATA

SPEAK RECESSED DOWNLIGHT (SK1R)

CATALOG NUMBER

1	2	3	4	5	6	7	8	9	10	11	12	13	OPTIONS	CONTROLS
SK1	R													

ORDER GUIDE

1 FAMILY	2 VERSION	3 SIZE	4 HOUSING	5 TRIM
SK1 Speak	R Recessed Downlight	S3 3" S4 4"	A New Construction E Retrofit H Insulation Contact Housing ¹ R Remote Driver ¹ T Remote Driver – Retrofit C Chicago CCEA Housing ¹ V Chicago CCEA – Remote Driver ¹	C1 Round Trim Flange C2 Round Drywall Trimless C3 Round Millwork Edge C4 Round Drop Trim ² Q1 Square Trim Flange
			¹ New construction, includes rough-in mount.	² For Round Trim Flange only.

6 FINISH	7 CENTER	8 BEAM SPREAD	9 CRI	10 CCT	11 ENERGY ³
TRIM FINISH BB Black Powdercoat SS Metallic Silver Powdercoat WW White Powdercoat CC Custom Color (RAL)	CENTER FINISH B Black Powdercoat S Metallic Silver Powdercoat W White Powdercoat C Custom Color (RAL)	D Drop R Recess	N1 Narrow (30°) M1 Medium (40°) W1 Wide (60°)	8 80 CRI 9 90 CRI	27 2700 K 30 3000 K 35 3500 K 40 4000 K A1 Dim-to-Warm 2700-2200K A2 Dim-to-Warm 3000-2200K A3 Dim-to-Warm 3500-2200K
					B 8 W C 12 W D 17 W ⁴ E 20 W (4") F 24 W (4")
					³ Nominal input power. Add 2 W for BP or 347 V. ⁴ Add 2 W when Non-IC Housing for Thermal Protector, 3" D energy, 4" F energy.

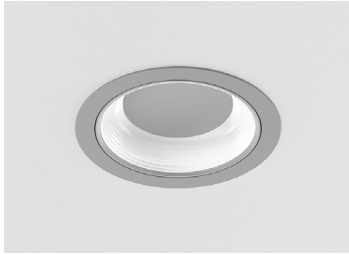
12 DRIVER	13 VOLTAGE	OPTIONS	CONTROLS
F1 Non-Dim F2 0-10 V Dim 3% F4 Line Voltage Dim (Fwd/Rev) 3% 120 V E1 eldoLED ECO 0-10 V Dim 1% E2 eldoLED SOLO 0-10 V Dim 0.1% E3 eldoLED ECO DALI-2 DT6 Dim 1% E4 eldoLED SOLO DALI-2 DT6 Dim 0.1% L1 Lutron Hi-Lume 1% EcoSystem (LDE1) L3 Lutron Hi-Lume Premier 0.1% EcoSystem (PEQ0) ⁵	M 120-277 V 1 120 V ⁶ 2 277 V ⁶ 3 347 V	B Battery Pack ⁷ F 6' Flex Whip (not CCEA) H Emergency Switch (GTD) ⁷	TYPE & LOCATION ⁸ R Remote Sensor / Controller on Ceiling V Controller on Remote Enclosure
		BRAND & PROTOCOL ⁸	
		N1 Acuity nLight Wired ^{9,10} N2 Acuity nLight Air rIO ⁹ N3 Acuity nLight Air RPP20 ^{9,10} L1 Lutron Athena Wireless M1 Legrand Wattstopper PLUS V1 Leviton Intellect Wireless	
⁵ Lutron L3: Max Energy E (20 W).		⁶ Fixed voltage only for (F4) line dim driver or nLight controls.	
		⁷ Detached, prewired BP or GTD. BP 120-277V only. Phase Dim not for GTD.	
		⁸ Controls selection may be limited by version, protocol or other features – see Controls page.	
		⁹ nLight: Controller (V) only. ¹⁰ Remote Driver Housing only.	

SPECIFICATION DATA

SPEAK RECESSED DOWNLIGHT (SK1R)

CEILING & TRIM

Shown in 3" size, mainly silver finish.



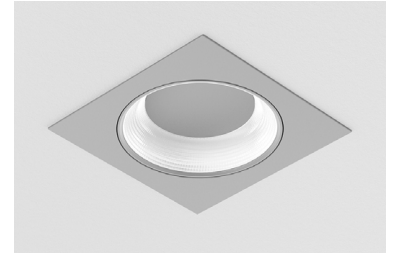
(C1) ROUND TRIM FLANGE
(DRYWALL OR GRID)



(C2) ROUND DRYWALL TRIMLESS



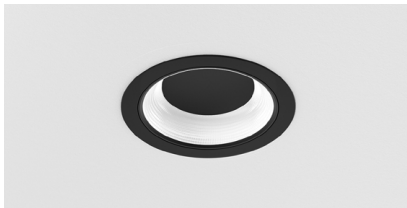
(C3) ROUND MILLWORK EDGE



(Q1) SQUARE TRIM FLANGE
(DRYWALL OR GRID)

FINISHES

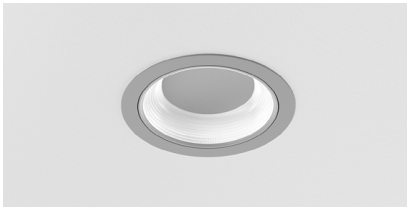
All finishes high temperature powder coat. Trim and Center finish in any combination of Black, Metallic Silver, White or RAL color. Examples show 3" Round with Recess Center and Trim Flange.



(BB) BLACK TRIM
(B) BLACK CENTER



(BB) BLACK TRIM
(W) WHITE CENTER



(SS) SILVER TRIM
(S) SILVER CENTER



(WW) WHITE TRIM
(S) SILVER CENTER



(WW) WHITE TRIM
(W) WHITE CENTER



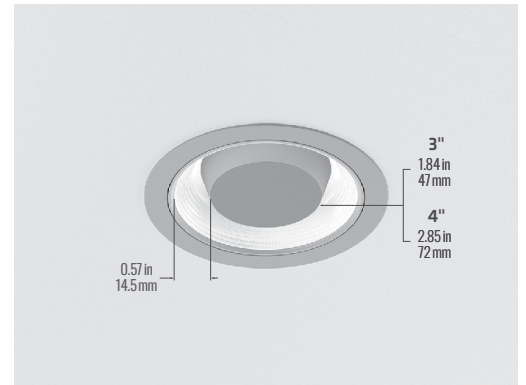
(WW) WHITE TRIM
(B) BLACK CENTER



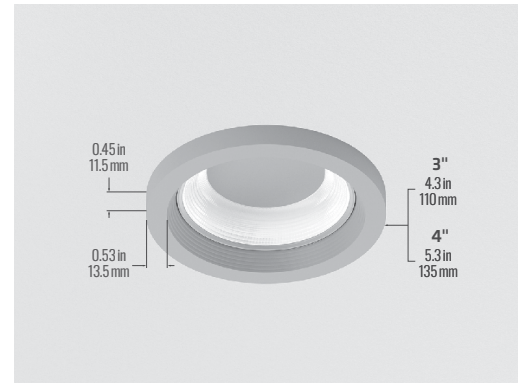
(C) CUSTOM

ACCESSORIES

Shown in 3" size.



(D) DROP CENTER

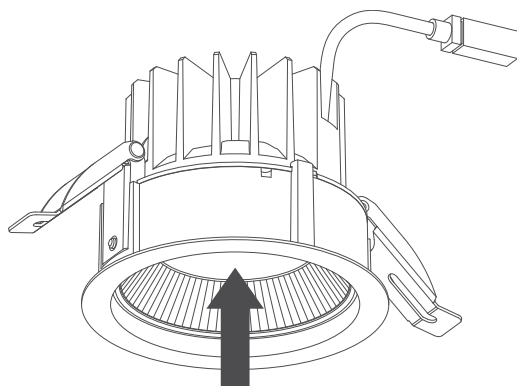


(C4) ROUND DROP TRIM

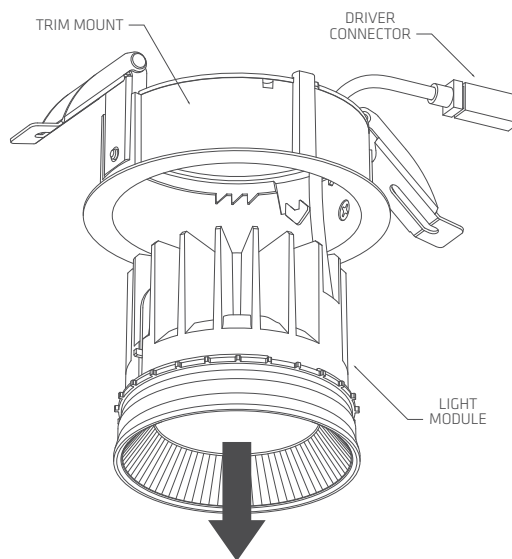
SPEAK RECESSED DOWNLIGHT (SK1R)

PRODUCT DETAILS

Driver access from below.



To remove light module, press center and release.



SPECIFICATION DATA

SPEAK RECESSED DOWNLIGHT (SK1R)

CEILING INTEGRATION – TRIM

Ceiling thickness: 0.04 in (1 mm) – 1.5 in (38 mm), e.g. acoustic tile, GWB. Millwork: 0.375 in (10 mm) – 1.5 in (38 mm).
(A,R) New Construction or (E,T) Retrofit

3"

Cutout diameter: 3.75 in (95 mm)

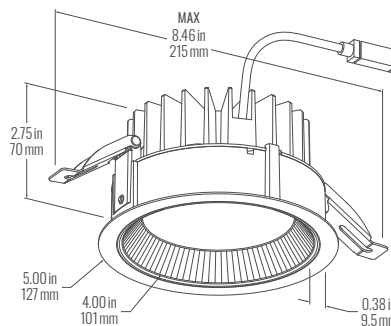
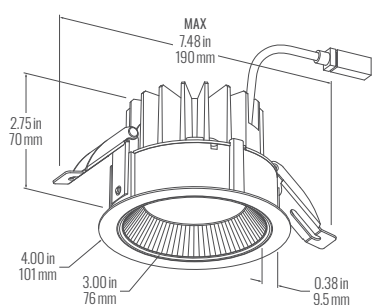
Minimum plenum height (from finished ceiling plane):
6.0 in (152 mm) with 120-277 V driver up to 20 W.

4"

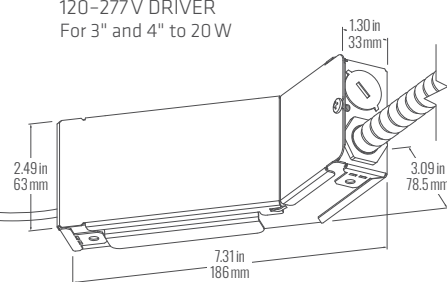
Cutout diameter: 4.75 in (121 mm)

Minimum plenum height (from finished ceiling plane):
4.0 in (101 mm) with 120-277 V driver up to 20 W.

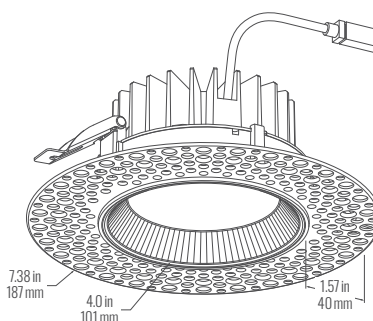
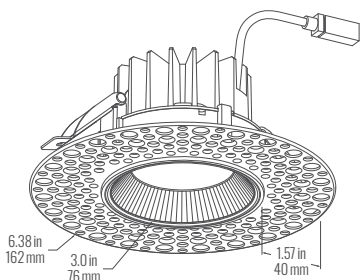
(C1) ROUND TRIM FLANGE (DRYWALL OR GRID)



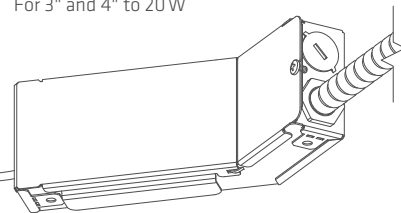
120-277 V DRIVER
For 3" and 4" to 20 W



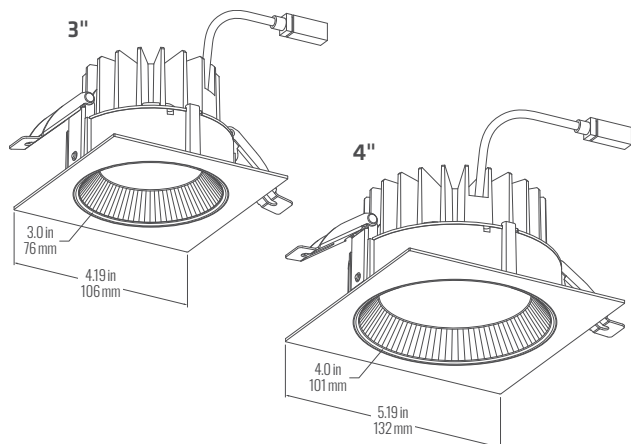
(C2) ROUND DRYWALL TRIMLESS



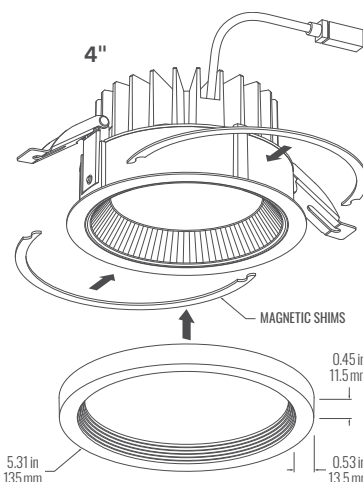
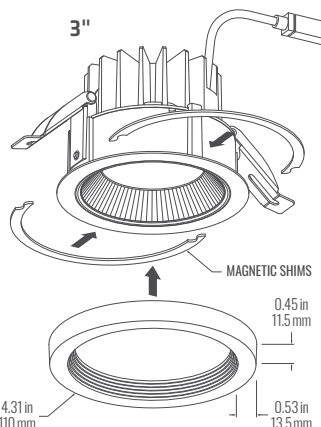
120-277 V DRIVER
For 3" and 4" to 20 W



(Q1) SQUARE TRIM FLANGE



(C4) DROP TRIM (INCLUDES ROUND TRIM FLANGE)



SPECIFICATION DATA

SPEAK RECESSED DOWNLIGHT (SK1R)

CEILING INTEGRATION – TRIM

Ceiling thickness: 0.04 in (1 mm) – 1.5 in (38 mm), e.g. acoustic tile, GWB. Millwork: 0.375 in (10 mm) – 1.5 in (38 mm).
(A,R) New Construction or (E,T) Retrofit

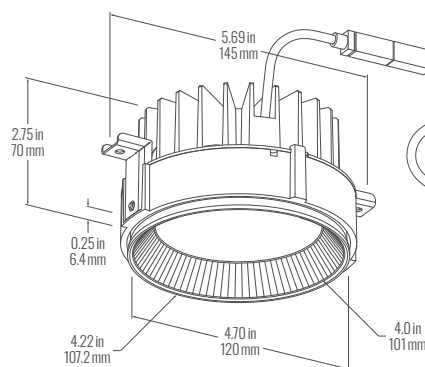
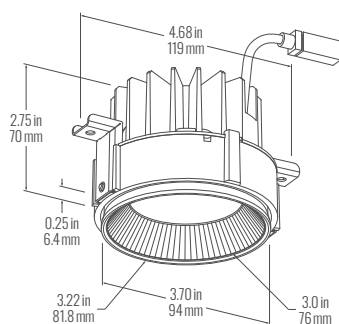
3"

Minimum plenum height (from finished ceiling plane):
6.0 in (152 mm) with 120-277 V driver up to 20 W.

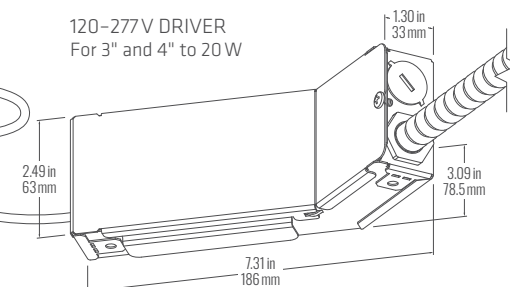
4"

Minimum plenum height (from finished ceiling plane):
4.0 in (101 mm) with 120-277 V driver up to 20 W.

(C3) ROUND MILLWORK EDGE

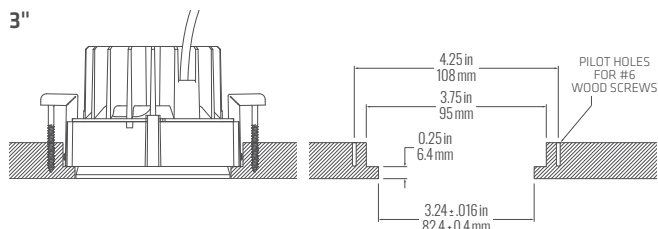


120-277 V DRIVER
For 3" and 4" to 20 W

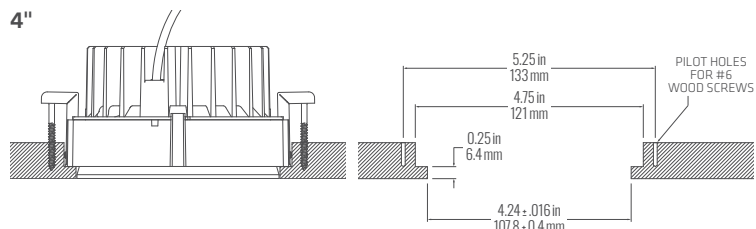


PLENUM SIDE COUNTERBORE INSTALLATION (for room side / retrofit installation, use Trim Flange)

3"



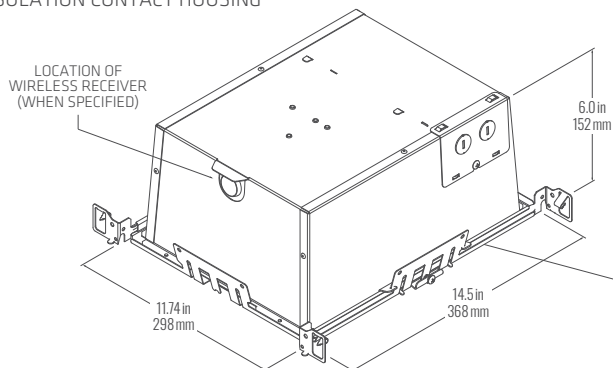
4"



CEILING INTEGRATION – INSULATION CONTACT HOUSING

3" | 4"

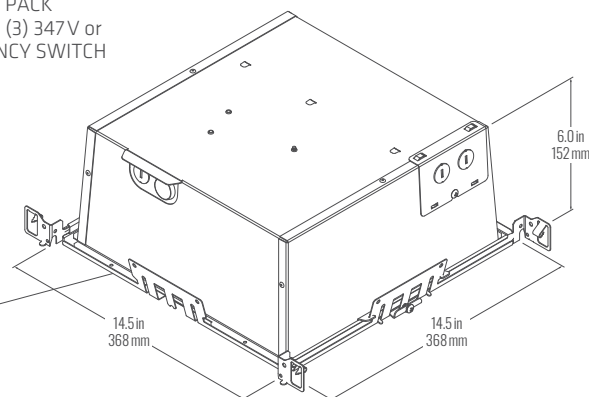
Minimum plenum height (from top of ceiling plane): 6.25 in (158 mm).
(C,V) CHICAGO CCEA HOUSING
(H) INSULATION CONTACT HOUSING



LARGER IC HOUSING

For:
- (B) BATTERY PACK
- CONTROLS + (3) 347 V or
(H) EMERGENCY SWITCH

ROUGH-IN FRAME
See later section for details.



SPECIFICATION DATA

SPEAK RECESSED DOWNLIGHT (SK1R)

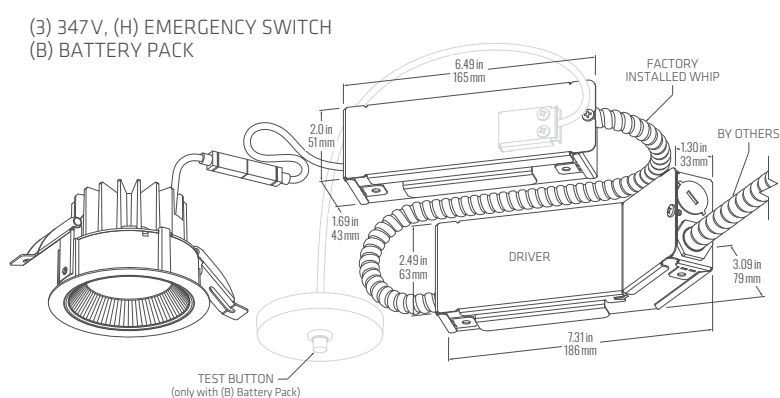
CEILING INTEGRATION – DRIVER ENCLOSURE

Ceiling thickness: 0.04 in (1 mm) – 1.5 in (38 mm), e.g. acoustic tile, GWB. Millwork: 0.375 in (10 mm) – 1.5 in (38 mm).
(A,R) New Construction or (E,T) Retrofit

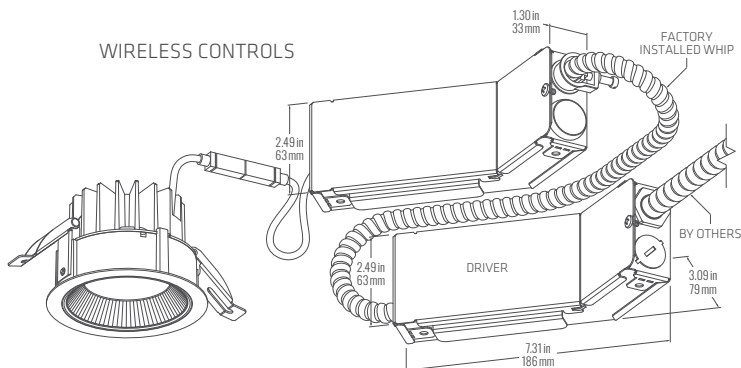
3"

Minimum plenum height (from finished ceiling plane): 6.0 in (152 mm). Shown with Round Trim Flange.

- (3) 347V, (H) EMERGENCY SWITCH
(B) BATTERY PACK



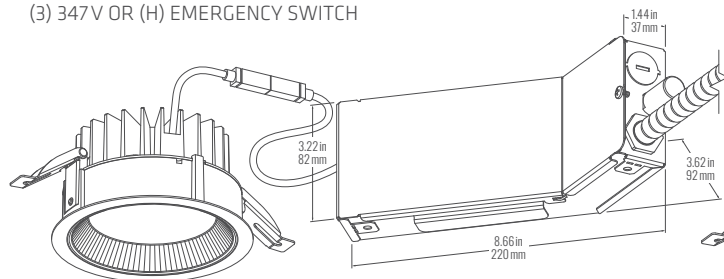
WIRELESS CONTROLS



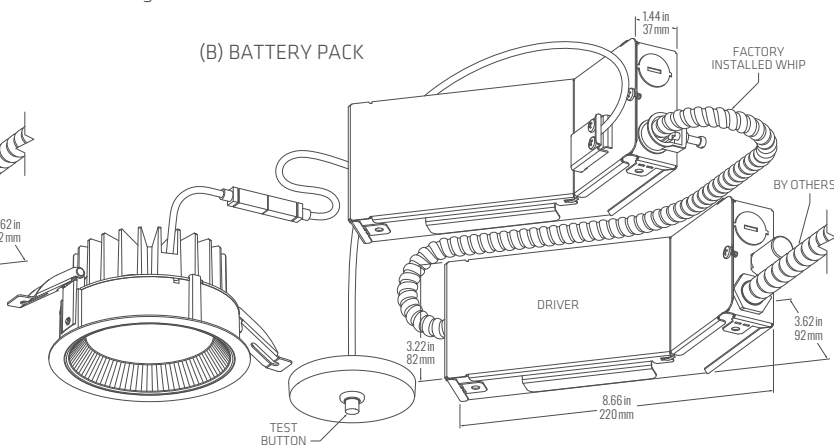
4"

Minimum plenum height (from finished ceiling plane): 4.0 in (101 mm). Shown with Round Trim Flange.

- OVER 20 W OR WIRELESS CONTROLS
(3) 347V OR (H) EMERGENCY SWITCH

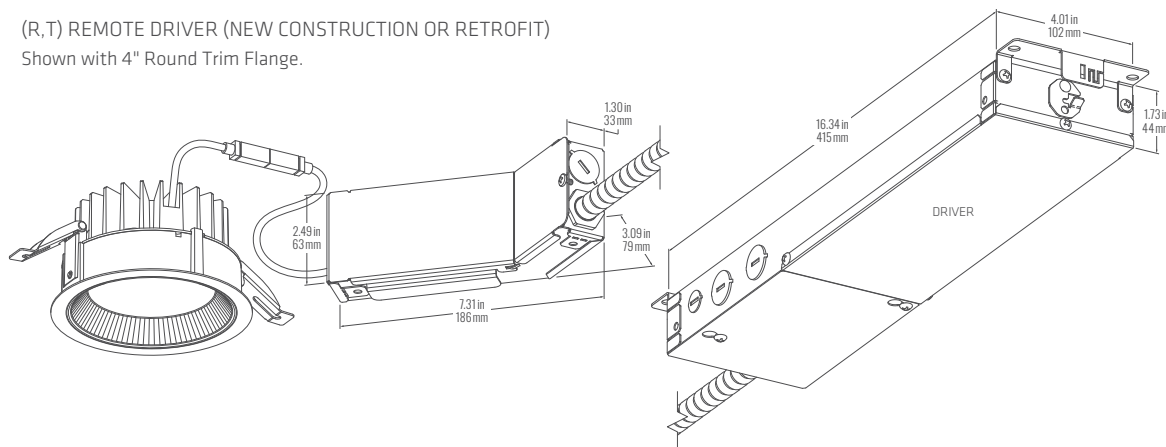


(B) BATTERY PACK



- (R,T) REMOTE DRIVER (NEW CONSTRUCTION OR RETROFIT)

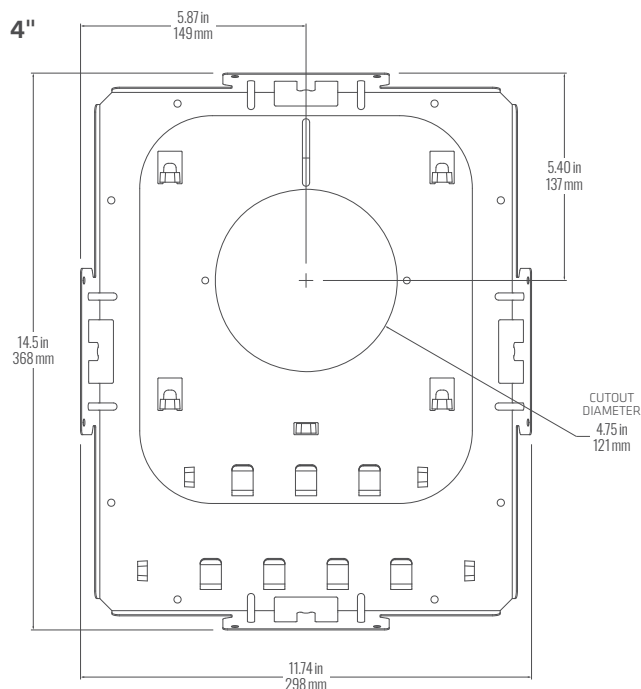
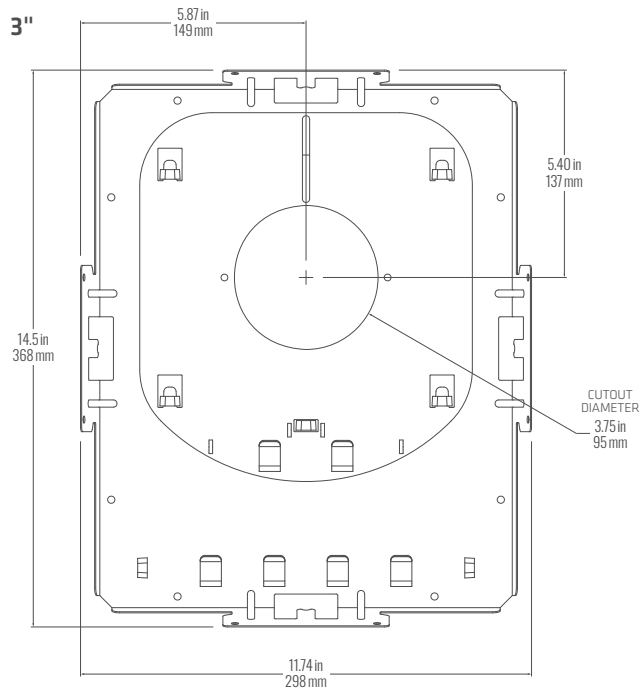
Shown with 4" Round Trim Flange.



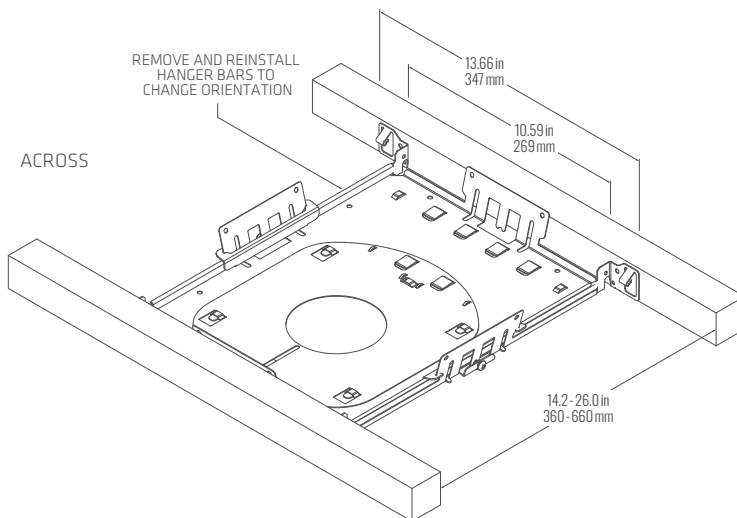
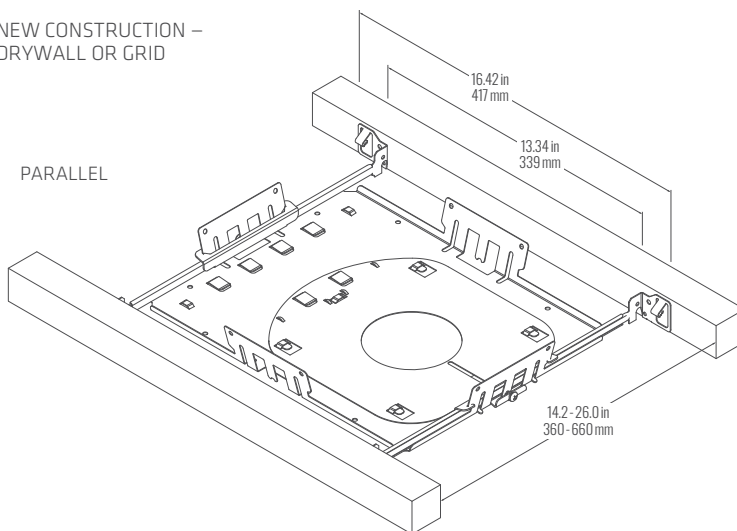
SPEAK RECESSED DOWNLIGHT (SK1R)

CEILING INTEGRATION – ROUGH-IN FRAME

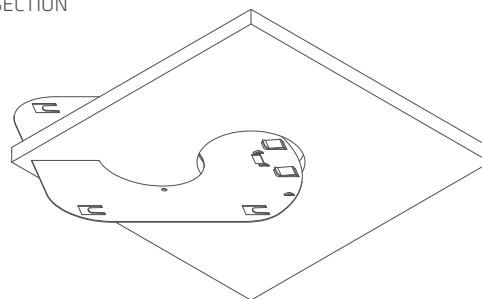
Rough-in frame included with new construction housing options.



NEW CONSTRUCTION – DRYWALL OR GRID



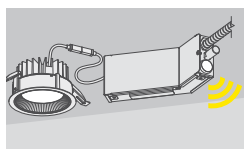
RETROFIT – KNOCK-OUT SECTION



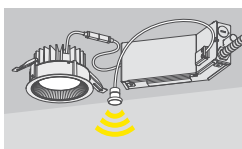
SPECIFICATION DATA
SPEAK RECESSED DOWNLIGHT (SK1R)

CONTROLS & SENSORS

LUMINAIRE INTEGRATION



V
Controller on
Enclosure/Plenum Side

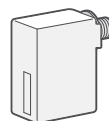


R
Sensor,
Remote/on Ceiling

(N1) Acuity
nLight Wired



nLight wired, digital network.
Model: nPS-80-EZ or nPS-80-EZ-ER
(with **H** – Emergency Switching)

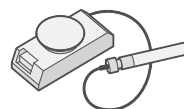


VN1 nLight Wired Controller, Enclosure/Plenum Side

(N2, N3) Acuity
nLight Air



Acuity nLight wireless network
interfaces.
Models: r10, rPP20



VN2 nLight r10 Controller, Enclosure/Plenum Side
VN3 nLight rPP20 Controller, Enclosure/Plenum Side

(L1) Lutron
Athena



Lutron Athena wireless smart
controllers & sensors.
Models: A-WN-D01-RF, A-WN-D01-OCC
For RL1: Default Athena color to match trim color
Trim Athena
WH WH
SV BK
BK BK
For VL1: default WH

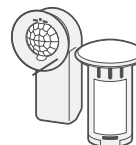


VL1 Athena Controller, Enclosure/Plenum Side
RL1 Athena Sensor, Remote/on Ceiling

(M1) Legrand
Wattstopper
PLUS



Wattstopper PLUS wireless smart
controllers & sensors.
Models: ZBHA-CLM, EN-CLM-PIR

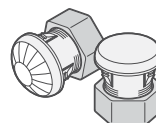


VM1 Wattstopper PLUS Control Module,
Enclosure/Plenum Side
RM1 SensiLUM Sensor, Remote/on Ceiling

(V1) Leviton
Intellect



Leviton Intellect wireless smart
controllers & sensors.
Models: ZL0x0, ZL0xS



VV1 Intellect Controller, Enclosure/Plenum Side
RV1 Intellect Sensor, Remote/on Ceiling

Ask us about...

Pass & Seymour®

EATON

DISTECH
CONTROLS

CRESTRON

CASAMBI

All integrated controls trademarks and logos are the property of their manufacturer and are used under license.

SPECIFICATION DATA
SPEAK RECESSED DOWNLIGHT (SK1R)

NOTES

CONSTRUCTION

- Architectural grade aluminum and 22 ga. steel housings
- Housings suitable for new build or retrofit installation in grid, GWB or millwork ceilings
- White, metallic silver or black textured powdercoat standard finishes

OPTICAL

- Anidolic optical structures
- Precision molded high transmittance clear acrylic lenses
- Long life LED system designed for typical TM21 lumen maintenance \geq L80 @ 54,000 h
- Available in 2700 K, 3000 K, 3500 K, 4000 K with CRI \geq 80 and R9 \geq 0, or CRI \geq 90 and R9 \geq 50, all with color accurate binning \leq 2 SDCM

INDEPENDENT TESTING

- IESNA LM79
- IESNA LM80 (LED @ 9,000 h)

ELECTRICAL

- Detached high efficiency drivers for 50–60 Hz, 120–277 V with transformer for 347 V
- Power Factor > 0.9
 - Driver F1, F2, F4
 - Driver E1–E4, Energy D–F
 - Driver L1, Energy D–F
- Total Harmonic Distortion $< 20\%$ Driver E1–E4, Energy C–F $< 23\%$ Driver F1, F2, F4
- Dim level: Standard 3%, optional 1% or 0.1%
- Optional Battery Pack delivers 4 W for 3" or 7 W for 4" Class 2 rated output for 90 min. See Family Performance for estimated emergency output
- Optional GTD (Generator Transfer Switch), 120–277 V, disables 0–10 V control during emergency for full light output
- Optional flex whip: 6' pre-wired
- Surge Protection: Meets ANSI C82.11 spec and ANSI/IEEE C62.41
- Inrush Current: Meets NEMA 410

WIRE GAUGE

- Recommended low voltage wire gauge (AWG) for minimal losses over distance when REMOTE mounting:
 - 30 ft | 18 ga
 - 100 ft | 14 ga

ENVIRONMENTAL & CARE

- Designed for use in dry or damp indoor locations with ambient temperatures of 0–30°C (32–86°F)
- The luminaire may be damaged by chemicals such as chlorine, solvents, ammonia, alcohol or sulfur in the area of operation or in cleaning products. Damage from contaminants is not covered under warranty.
- Not suitable for natatorium environments, e.g. swimming pools, hot tubs and saunas.
- Clean only by wiping with a slightly water-damp, soft, clean cloth.

WEIGHT

- Light Module & Trim
 - 3": 1.1 lbs (0.5 kg); 4": 1.6 lbs (0.7 kg)
- Driver Enclosure
 - 120–277 V up to 20 W, no options: 1.3 lbs (0.6 kg)
 - 120–277 V up to 50 W, no options: 1.7 lbs (0.8 kg)
 - With Controls / 347 V / GTD: 2.6 lbs (1.2 kg)
 - With Battery Pack: 4 W – 3.3 lbs (1.5 kg); 7 W – 4.0 lbs (1.8 kg)



WARRANTY




- 5 year limited warranty on all components and workmanship

APPROVALS

- UL Listed (USA + Canada)
- CCEA Chicago Plenum (Housing)
- IC Rated (Housing)
- Energy Star (90 CRI versions) *Pending*
- Title 24 JA8 (90 CRI versions) *Pending*
- Living Building Challenge (LBC) Approved

DRIVERS + EMERGENCY

STANDARD DRIVER OPTIONS	
OPTOTRONIC® ADVANCE 	F1 Non-Dim F2 0–10 V Dim 3% F4 Line Voltage Dim 3% (Forward/Reverse) 120 V
eldoLED®	E1 eldoLED ECO 0–10 V Dim 1% E2 eldoLED SOLO 0–10 V Dim 0.1% E3 eldoLED ECO DALI-2 DT6 Dim 1% E4 eldoLED SOLO DALI-2 DT6 Dim 0.1%
	L1 Lutron Hi-Lume 1% EcoSystem (LDE1) L3 Lutron Hi-Lume Premier 0.1% EcoSystem (PEQ0)

EMERGENCY OPTIONS	
  	B Battery Pack Fulham 4 W for 3" Iota ILBLP 7 W for 4" H Emergency Switching Functional Devices ESRLBC Emergency Lighting Relay

Driver and emergency selection may be limited by product or version.
For further options, contact Fluxwerx.

SPECIFICATION DATA
SPEAK RECESSED DOWNLIGHT (SK1R)

FAMILY PERFORMANCE

COLOR

80 CRI	4000 K	3500 K	3000 K	2700 K
Color Rendering (CRI)	81	83	82	83
Red Index (R9)	0	1	2	4
Fidelity (TM-30 R _f)	83	84	84	86
Gamut (TM-30 R _g)	94	95	95	95
Color Matching (SDCM)	< 2			

90 CRI	4000 K	3500 K	3000 K	2700 K
Color Rendering (CRI)	92	93	93	93
Red Index (R9)	55	57	57	58
Fidelity (TM-30 R _f)	89	90	90	92
Gamut (TM-30 R _g)	96	97	97	97
Color Matching (SDCM)	< 2			

Typical CRI and R9 values.



LUMEN MAINTENANCE

	B 8 W	C 12 W	D 17 W	E 20 W	F 24 W
L80 per TM-21 (hr)	> 54,000				
L70 Estimate (hr)	> 140,000				

OUTPUT MULTIPLIERS

MULTIPLIER		Applies To
90 CRI	0.88	All 80 CRI
Battery Pack	3" 4W: 0.62 4" 7W: 1.08	B Energy (8 W)
Dim to Warm	0.60	2700 K, 3000 K, 3500 K

WIDE BEAM with	Recess Center	Drop Center
Black Finish	0.97	0.95
Silver Finish	0.98	0.96

For 90 CRI, dim-to-warm fixtures or emergency BP, use multipliers to scale published Light (lm), Efficacy (lm/W), Intensity (Cd) or Luminance (Cd/m²).

SPACING GUIDE – 3"

(S3) 3" Downlight, 3500 K, 80 CRI

CONFIGURATION	DISTANCE FROM SOURCE	BEAM DIAMETER (ft)	B 8 W	C 12 W	D 16 W
			ILLUMINANCE AT CENTER (fc)		
SK1RS3-W1835 3" Wide Beam 3500 K	3 ft	3.5	92	137	183
	6 ft	6.9	23	34	46
	9 ft	10.4	10	15	20
	12 ft	13.9	6	9	11
	Center Beam Intensity (cd)		827	1,236	1,644
SK1RS3-M1835 3" Medium Beam 3500 K	3 ft	2.5	193	289	384
	6 ft	5.0	48	72	96
	9 ft	7.5	21	32	43
	12 ft	9.9	12	18	24
	Center Beam Intensity (cd)		1,739	2,598	3,458
SK1RS3-N1835 3" Narrow Beam 3500 K	3 ft	1.9	234	345	459
	6 ft	3.8	59	86	115
	9 ft	5.7	26	38	51
	12 ft	7.6	15	22	29
	Center Beam Intensity (cd)		2,108	3,108	4,135

OUTPUT MULTIPLIERS (for Illuminance, Beam Intensity)	
CCT	Multiplier
2700 K	0.92
3000 K	0.98
3500 K	1.00
4000 K	1.03

SPECIFICATION DATA
SPEAK RECESSED DOWNLIGHT (SK1R)

SPACING GUIDE – 4"

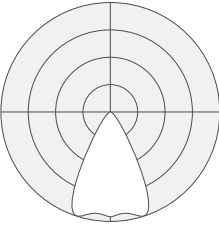
(S4) 4" Downlight, 3500 K, 80 CRI

CONFIGURATION	DISTANCE FROM SOURCE	BEAM DIAMETER (ft)	B 8 W	C 12 W	D 16 W	E 20 W	F 24 W	OUTPUT MULTIPLIERS (for Illuminance, Beam Intensity)	
			ILLUMINANCE AT CENTER (fc)					CCT	Multiplier
SK1RS4-W1835 4" Wide Beam 3500 K	3 ft	3.8	82	124	166	206	248	2700 K	0.92
	6 ft	7.6	21	31	41	51	62	3000 K	0.98
	9 ft	11.5	9	14	18	23	28	3500 K	1.00
	12 ft	15.3	5	8	10	13	15	4000 K	1.03
	Center Beam Intensity (cd)		740	1,120	1,490	1,851	2,230		
SK1RS4-M1835 4" Medium Beam 3500 K	3 ft	2.5	167	253	336	417	503		
	6 ft	5.0	42	63	84	104	126		
	9 ft	7.5	19	28	37	46	56		
	12 ft	9.9	10	16	21	26	31		
	Center Beam Intensity (cd)		1,502	2,273	3,024	3,755	4,526		
SK1RS4-N1835 4" Narrow Beam 3500 K	3 ft	1.9	220	330	438	545	658		
	6 ft	3.8	55	83	109	136	164		
	9 ft	5.7	24	37	49	61	73		
	12 ft	7.6	14	21	27	34	41		
	Center Beam Intensity (cd)		1,983	2,974	3,938	4,903	5,921		

VERSION PERFORMANCE – 3" DOWNLIGHT

White Finish, 80 CRI

3" Wide Beam

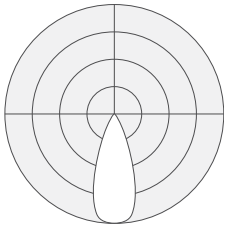
CONFIGURATION			LIGHT & POWER			VISUAL COMFORT		LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX INTENSITY 45-90° (Cd)	UGR (4H x 8H)	
SK1RS3-W1840 4000 K	B	8 W	835	8.1	103.1	54	11.9	 <p>3" Wide Beam</p> <p>Beam Angle 59°</p>
	C	12 W	1247	12.3	101.4	82	13.3	
	D	16 W	1660	16.9	98.2	108	14.3	
SK1RS3-W1835 3500 K	B	8 W	810	8.1	100.0	53	11.8	
	C	12 W	1210	12.3	98.4	79	13.2	
	D	16 W	1610	16.9	95.3	105	14.2	
SK1RS3-W1830 3000 K	B	8 W	790	8.1	97.5	52	11.7	
	C	12 W	1180	12.3	95.9	77	13.1	
	D	16 W	1570	16.9	92.9	103	14.1	
SK1RS3-W1827 2700 K	B	8 W	743	8.1	91.7	48	11.5	
	C	12 W	1109	12.3	90.2	72	12.9	
	D	16 W	1476	16.9	87.3	96	13.9	

SPECIFICATION DATA
SPEAK RECESSED DOWNLIGHT (SK1R)

VERSION PERFORMANCE – 3" DOWNLIGHT

White Finish, 80 CRI

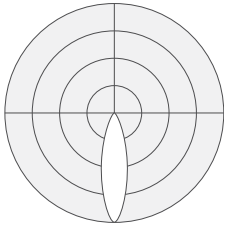
3" Medium Beam

CONFIGURATION			LIGHT & POWER			VISUAL COMFORT		LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX INTENSITY 45-90° (Cd)	UGR (4H x 8H)	
SK1RS3-M1840 4000 K	B	8 W	876	8.1	108.2	33	10.0	 3" Medium Beam
	C	12 W	1309	12.3	106.4	50	10.0	
	D	16 W	1742	16.9	103.1	66	10.0	
SK1RS3-M1835 3500 K	B	8 W	850	8.1	104.9	32	10.0	
	C	12 W	1270	12.3	103.3	48	10.0	
	D	16 W	1690	16.9	100.0	64	10.0	
SK1RS3-M1830 3000 K	B	8 W	829	8.1	102.3	31	10.0	
	C	12 W	1239	12.3	100.7	47	10.0	
	D	16 W	1648	16.9	97.5	62	10.0	
SK1RS3-M1827 2700 K	B	8 W	779	8.1	96.2	29	10.0	
	C	12 W	1164	12.3	94.6	44	10.0	
	D	16 W	1549	16.9	91.7	58	10.0	

Beam Angle

40°

3" Narrow Beam

CONFIGURATION			LIGHT & POWER			VISUAL COMFORT		LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX INTENSITY 45-90° (Cd)	UGR (4H x 8H)	
SK1RS3-N1840 4000 K	B	8 W	804	8.1	99.3	75	12.8	 3" Narrow Beam
	C	12 W	1185	12.3	96.4	110	14.2	
	D	16 W	1577	16.9	93.3	146	15.2	
SK1RS3-N1835 3500 K	B	8 W	780	8.1	96.3	72	12.7	
	C	12 W	1150	12.3	93.5	107	14.1	
	D	16 W	1530	16.9	90.5	142	15.1	
SK1RS3-N1830 3000 K	B	8 W	761	8.1	93.9	71	12.7	
	C	12 W	1122	12.3	91.2	104	14.0	
	D	16 W	1492	16.9	88.3	138	15.0	
SK1RS3-N1827 2700 K	B	8 W	715	8.1	88.3	66	12.4	
	C	12 W	1054	12.3	85.7	98	13.8	
	D	16 W	1403	16.9	83.0	130	14.8	

Beam Angle

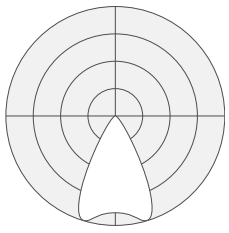
28°

SPEAK RECESSED DOWNLIGHT (SK1R)

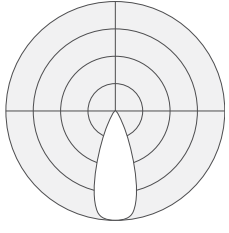
VERSION PERFORMANCE – 4" DOWNLIGHT

White Finish, 80 CRI

4" Wide Beam

CONFIGURATION			LIGHT & POWER			VISUAL COMFORT		LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX INTENSITY 45-90° (Cd)	UGR (4H x 8H)	
SK1RS4-W1840 4000 K	B	8 W	825	7.6	108.5	64	17.4	 <p>4" Wide Beam</p>
	C	12 W	1247	11.5	108.5	97	18.8	
	D	16 W	1660	15.5	107.1	129	19.8	
	E	20 W	2062	19.6	105.2	161	20.6	
	F	24 W	2484	24.3	102.2	194	21.2	
SK1RS4-W1840 3500 K	B	8 W	800	7.6	105.3	62	17.3	
	C	12 W	1210	11.5	105.2	94	18.7	
	D	16 W	1610	15.5	103.9	125	19.7	
	E	20 W	2000	19.6	102.0	156	20.5	
	F	24 W	2410	24.3	99.2	188	21.1	
SK1RS4-W1840 3000 K	B	8 W	780	7.6	102.7	61	17.2	
	C	12 W	1180	11.5	102.6	92	18.6	
	D	16 W	1570	15.5	101.3	122	19.6	
	E	20 W	1951	19.6	99.5	152	20.4	
	F	24 W	2350	24.3	96.7	183	21.0	
SK1RS4-W1840 2700 K	B	8 W	733	7.6	96.5	57	17.0	
	C	12 W	1109	11.5	96.4	86	18.4	
	D	16 W	1476	15.5	95.2	115	19.4	
	E	20 W	1833	19.6	93.5	143	20.2	
	F	24 W	2209	24.3	90.9	172	20.8	

4" Medium Beam

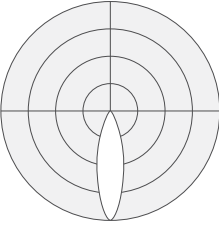
CONFIGURATION			LIGHT & POWER			VISUAL COMFORT		LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX INTENSITY 45-90° (Cd)	UGR (4H x 8H)	
SK1RS4-M1840 4000 K	B	8 W	783	7.6	103.1	36	10.0	 <p>4" Medium Beam</p>
	C	12 W	1185	11.5	103.1	54	10.0	
	D	16 W	1577	15.5	101.8	72	10.0	
	E	20 W	1959	19.6	99.9	89	10.0	
	F	24 W	2361	24.3	97.1	107	10.0	
SK1RS4-M1840 3500 K	B	8 W	760	7.6	100.0	34	10.0	
	C	12 W	1150	11.5	100.0	52	10.0	
	D	16 W	1530	15.5	98.7	70	10.0	
	E	20 W	1900	19.6	96.9	86	10.0	
	F	24 W	2290	24.3	94.2	104	10.0	
SK1RS4-M1840 3000 K	B	8 W	741	7.6	97.5	34	10.0	
	C	12 W	1122	11.5	97.5	51	10.0	
	D	16 W	1492	15.5	96.3	68	10.0	
	E	20 W	1853	19.6	94.5	84	10.0	
	F	24 W	2233	24.3	91.9	101	10.0	
SK1RS4-M1840 2700 K	B	8 W	697	7.6	91.7	32	10.0	
	C	12 W	1054	11.5	91.7	48	10.0	
	D	16 W	1403	15.5	90.5	64	10.0	
	E	20 W	1742	19.6	88.9	79	10.0	
	F	24 W	2099	24.3	86.4	95	10.0	

SPEAK RECESSED DOWNLIGHT (SK1R)

VERSION PERFORMANCE – 4" DOWNLIGHT

White Finish, 80 CRI

4" Narrow Beam

CONFIGURATION			LIGHT & POWER			VISUAL COMFORT		LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX INTENSITY 45-90° (Cd)	UGR (4H x 8H)	
SK1RS4-N1840 4000 K	B	8 W	763	7.6	100.4	33	10.0	 <p>4" Narrow Beam</p>
	C	12 W	1144	11.5	99.5	49	10.0	
	D	16 W	1515	15.5	97.8	65	10.0	
	E	20 W	1886	19.6	96.2	81	10.0	
	F	24 W	2278	24.3	93.8	97	10.0	
SK1RS4-N1840 3500 K	B	8 W	740	7.6	97.4	32	10.0	
	C	12 W	1110	11.5	96.5	47	10.0	
	D	16 W	1470	15.5	94.8	63	10.0	
	E	20 W	1830	19.6	93.4	78	10.0	
	F	24 W	2210	24.3	90.9	94	10.0	
SK1RS4-N1840 3000 K	B	8 W	722	7.6	95.0	31	10.0	
	C	12 W	1083	11.5	94.1	46	10.0	
	D	16 W	1434	15.5	92.5	61	10.0	
	E	20 W	1785	19.6	91.1	76	10.0	
	F	24 W	2155	24.3	88.7	92	10.0	
SK1RS4-N1840 2700 K	B	8 W	678	7.6	89.3	29	10.0	
	C	12 W	1018	11.5	88.5	44	10.0	
	D	16 W	1348	15.5	86.9	58	10.0	
	E	20 W	1678	19.6	85.6	72	10.0	
	F	24 W	2026	24.3	83.4	86	10.0	

Beam Angle 33°

Photometry Reports: Fluxwerx

Preliminary results from Fluxwerx internal laboratory, pending independent test results.