

SPECIFICATION DATA
HYPHEN RECESSED SINGLE (HY1-RS)

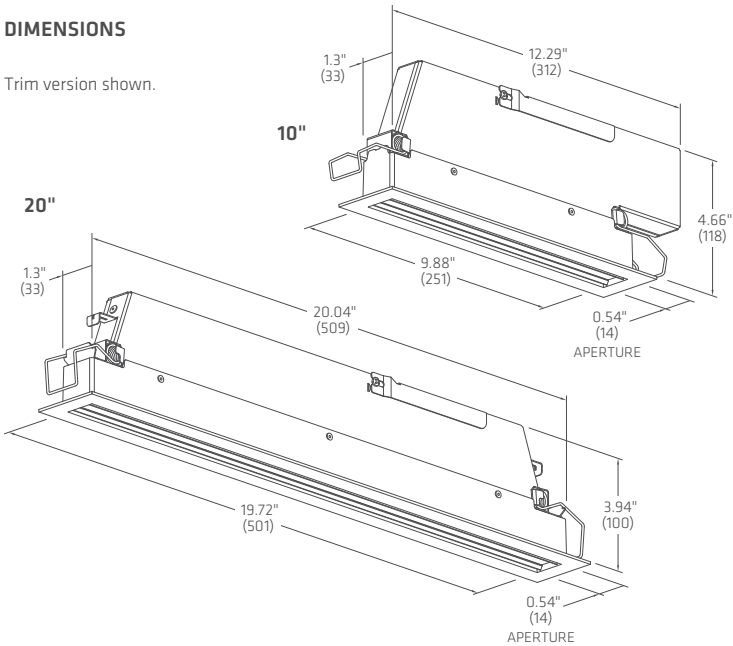
CATALOG #

PROJECT

NOTES

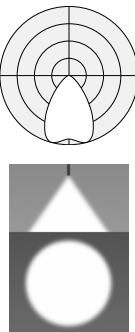
DIMENSIONS

Trim version shown.

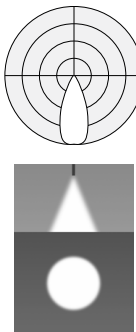


BEAM ANGLES

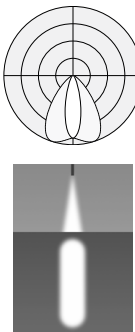
Wide Beam (70°)



Medium Beam (45°)



Narrow Ellipse (30° x 75°)



PERFORMANCE FOCUS

Medium Beam, 80 CRI 4000 K

Size		Energy (W)	Light (lm)	Efficacy (lm/W)	Certified
10"	Z	6.5 W	850	129	ENERGY STAR (10" 90 CRI) TITLE 24 JA8 (90 CRI)
10 20"	A	10 W	1350	144	
10 20"	B	13 W	1850	141	
20"	C	17 W	2250	139	
20"	D	23 W	3100	140	
Color Matching (SDCM)		Lumen Maintenance (hr)			
		L80 per TM21		L70 Estimate	
< 2		> 72,000		> 130,000	

Nominal values, refer to back pages for full performance data.

FEATURES

- High performance, ultra-slim linear, discrete area luminaire.
- Aperture & height match Fluxwerx Portal & Lines families.
- Proprietary optics shape the light distribution for exceptional uniformity, cut-off and comfort (regressed optic not required).
- For a comprehensive design palette, single & twin optic, 10" & 20" lengths in recessed, surface/wall mount & directional versions.
- Three beam angles handle an extensive range of applications – wide (70°), medium (45°) & a unique narrow ellipse (30 x 75°).
- Light outputs range from 800 lm (10" single) to 3700 lm (20" twin) with efficacies exceeding 125 lm/W.
- White, Metallic Silver & Black powdercoat finishes (plus RAL colors).
- 80 and 90 CRI LEDs in four CCTs – 2700 K, 3000 K, 3500 K, 4000 K.



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HYPHEN RECESSED SINGLE (HY1-RS)

ORDER GUIDE

1	2	3	4	5	6	7	8	9	10	11	12	OPTIONS	CONTROLS
HY1	–	R											

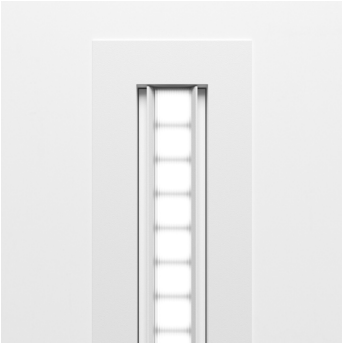
1	FAMILY	2	VERSION	3	SIZE	4	CEILING TYPE	5	HOUSING / TRIM
HY1	Hyphen	–	R	Recessed	S1 Single 10" S2 Single 20"	D Drywall G Grid R Remote Driver		K1 Trim Flange K2 Drywall Trimless L1 Shallow Housing – Trim Flange ¹	
									¹ 10" housing, detached driver.

6	FINISH	7	BEAM SPREAD	8	CRI	9	CCT	10	ENERGY ²		
TRIM FINISH		OPTIC CHANNEL FINISH		E1	Narrow Ellipse (30° x 75°)	8	80 CRI	27	2700 K	Z	6.5 W
B	Black Powdercoat	B	Black Powdercoat			9	90 CRI	30	3000 K	A	10 W
S	Metallic Silver Powdercoat	S	Metallic Silver Powdercoat	M1	Medium (45°)			35	3500 K	B	13 W
W	White Powdercoat	W	White Powdercoat	W1	Wide (70°)			40	4000 K	C	17 W
C	Custom Color (RAL)	C	Custom Color (RAL)							D	23 W
² Single 10": Z-B Single 20" Twin 10": A-D Twin 20": B-E Nominal input power. Add 4 W for BP and 2 W for 347 V.											

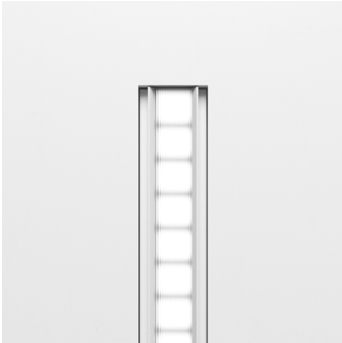
11	DRIVER	12	VOLTAGE	OPTIONS	CONTROLS	
F1	Non-Dim	M 120–277 V 1 120 V ⁵ 2 277 V ⁵ 3 347 V ⁶	B Battery Pack ⁷ C Chicago Plenum F 6' Flex Whip H Emergency Switch (GTD) ⁸	TYPE & LOCATION ⁹		BRAND & PROTOCOL ⁹
F2	0–10 V Dim 3%			R Remote Sensor / Controller on Ceiling V Controller on Remote Enclosure		N1 Acuity nLight Wired ¹⁰
F4	Line Voltage Dim (Fwd/Rev) 3% 120 V					N2 Acuity nLight Air r10 ¹⁰
E1	eldoLED ECO 0–10 V Dim 1%					N3 Acuity nLight Air RPP20 ¹⁰
E2	eldoLED SOLO 0–10 V Dim 0.1%					E1 Enlighted Smart Sensor ¹¹
E3	eldoLED ECO DALI-2 DT6 Dim 1%					L1 Lutron Athena Wireless
E4	eldoLED SOLO DALI-2 DT6 Dim 0.1%					M1 LeGrand Encelium X / SensiLum
L1	Lutron Hi-Lume 1% EcoSystem (LDE1) ³					V1 Leviton Intellect Wireless
L3	Lutron Hi-Lume Premier 0.1% EcoSystem (PEQ0) ⁴					
						⁵ Fixed voltage only for (F4) Line Dim Driver or nLight controls.
		⁶ 347 V Drywall/Grid: Detached driver/transformer, max Energy C (17 W).	⁸ GTD not compatible with (F4) Line Dim driver.			
³ Lutron L1: Min Energy A (10 W). Driver is detached in Recess Trim, max Energy D (23 W). Remote in Trimless.				¹⁰ nLight: Controller (V) only.		
⁴ Lutron L3: Max Energy C (17 W). Driver is detached in Recess Trim, remote in Trimless.				¹¹ Enlighted: Sensor/Controller (R) only.		

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HYPHEN RECESSED SINGLE (HY1-RS)

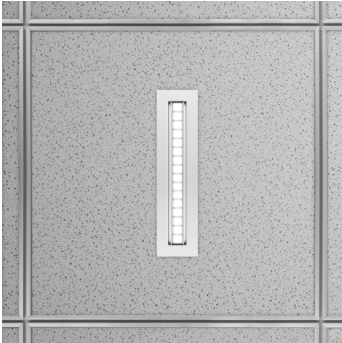
CEILING & TRIM



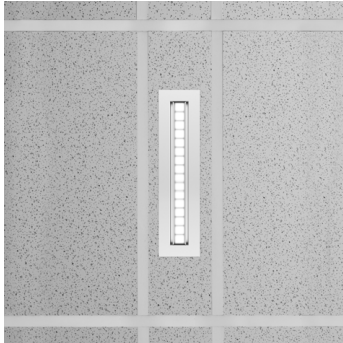
DRYWALL – TRIM



DRYWALL – TRIMLESS



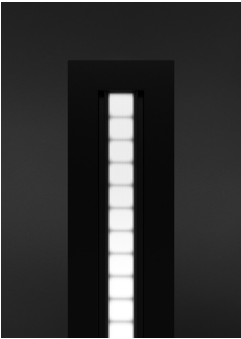
GRID – OFF-GRID



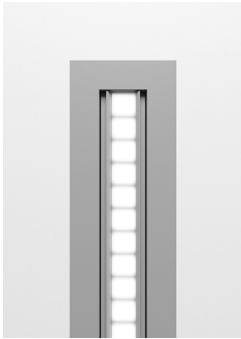
GRID – ARMSTRONG TECHZONE® 4" or
 USG LOGIX® 4"

FINISHES

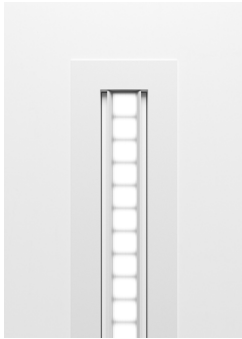
All finishes high temperature powder coat. Trim and optic channel in any combination of Black, Metallic Silver, White or RAL color. Examples of fixture with trim shown.



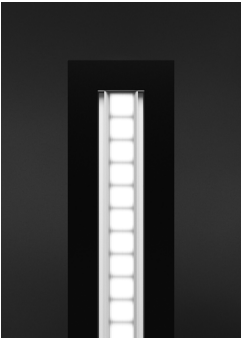
(BB) BLACK TRIM
 BLACK OPTIC CHANNEL



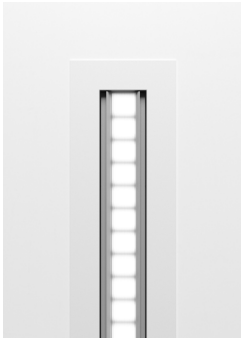
(SS) SILVER TRIM
 SILVER OPTIC CHANNEL



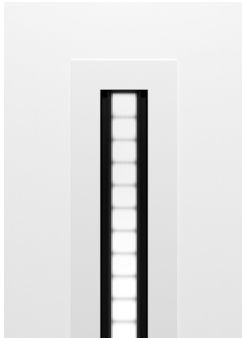
(WW) WHITE TRIM
 WHITE OPTIC CHANNEL



(BW) BLACK TRIM
 WHITE OPTIC CHANNEL



(WS) WHITE TRIM
 SILVER OPTIC CHANNEL

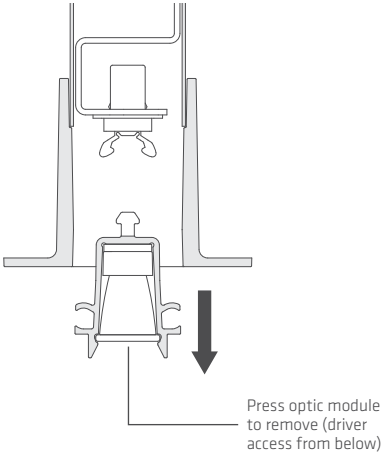
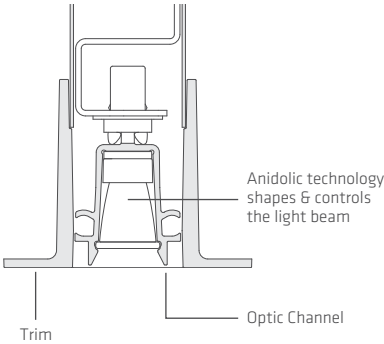


(WB) WHITE TRIM
 BLACK OPTIC CHANNEL



(C) CUSTOM

PRODUCT DETAILS



SPECIFICATION DATA
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CEILING INTEGRATION – TRIM FLANGE (GRID & DRYWALL)

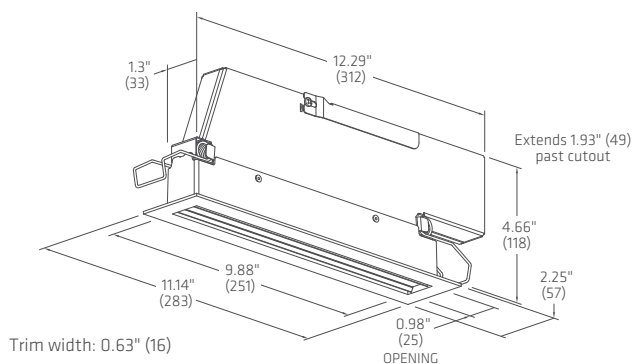
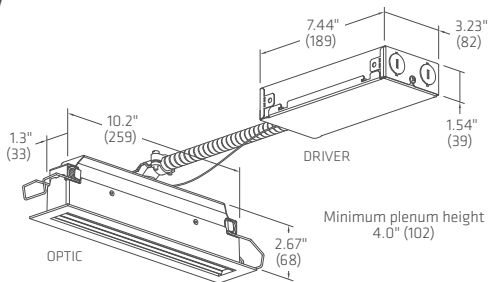
Ceiling thickness: 0.5"-1.25" (e.g. acoustic tile, GWB, wood)

10"

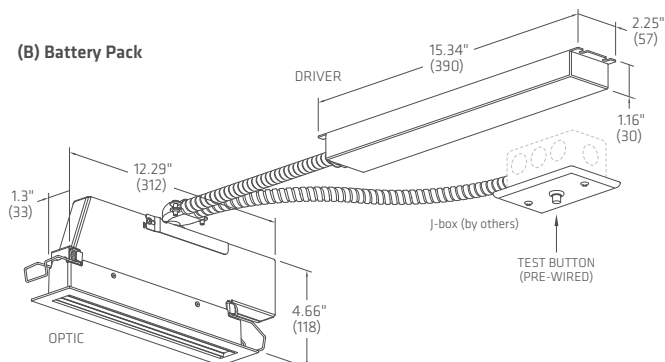
Cutout: 1.57" x 10.5" (40 x 267)

Minimum plenum height (from finished ceiling plane): 5.65" (144)

(K1) Internal driver

(L1) 10" Shallow Trim Housing
(3) 347V

(B) Battery Pack

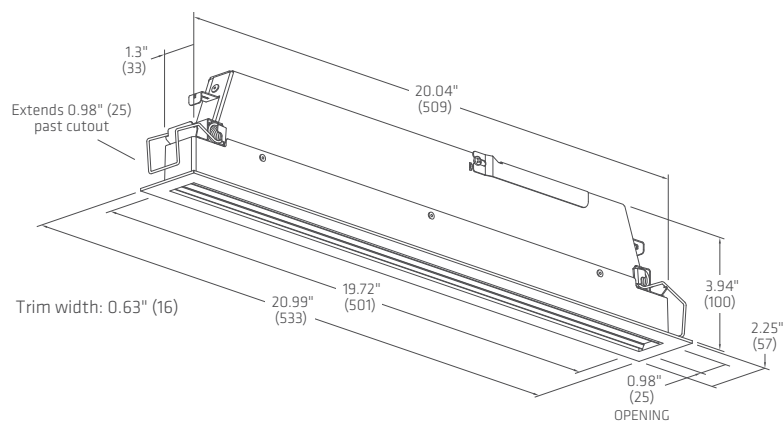


20"

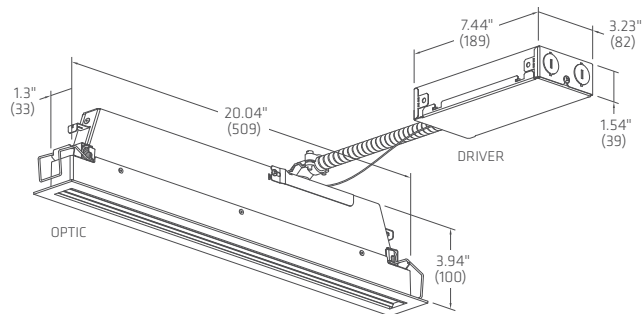
Cutout: 1.57" x 20.35" (40 x 517)

Minimum plenum height (from finished ceiling plane):
5.0" (127) for right angle conduit fitting, 4.0" (102) for rest of housing

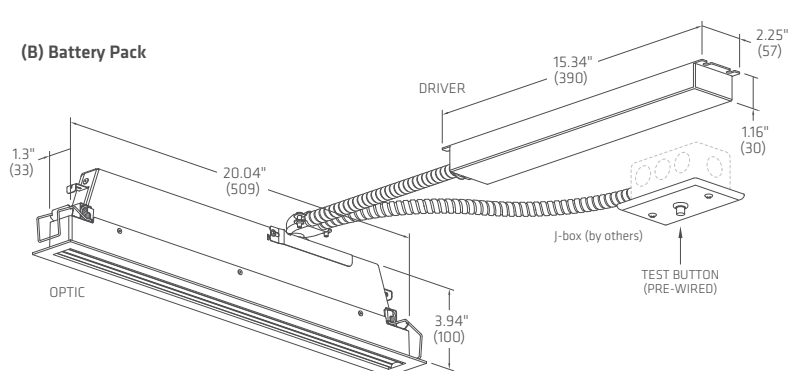
(K1) Internal driver



(3) 347V



(B) Battery Pack



SPECIFICATION DATA
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CEILING INTEGRATION – DRYWALL TRIMLESS (MUD-IN)

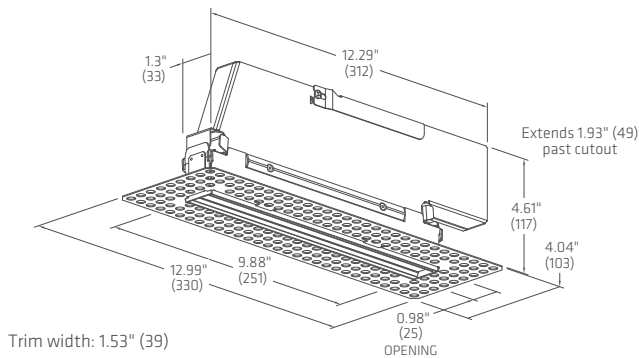
GWB thickness: 0.5"-1.25"

10"

Cutout: 1.57" x 10.5" (40 x 267)

Minimum plenum height (from finished ceiling plane): 5.65" (144)

(K2) Internal driver

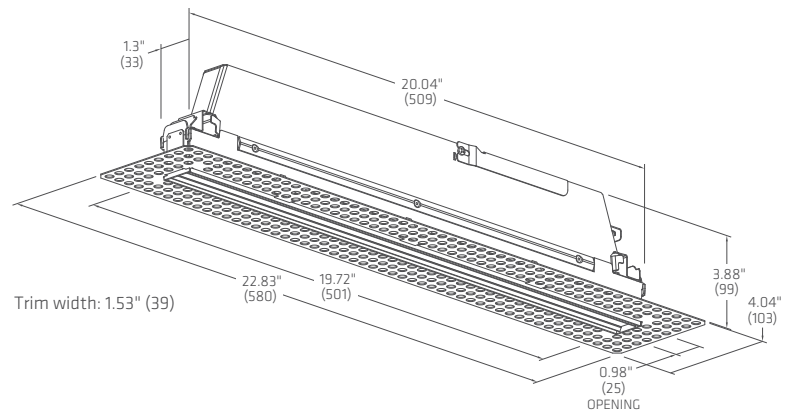


20"

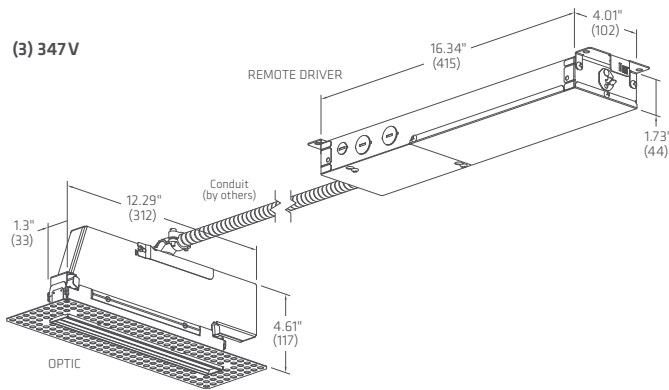
Cutout: 1.57" x 20.35" (40 x 517)

Minimum plenum height (from finished ceiling plane):
5.0" (127) for right angle conduit fitting, 4.0" (102) for rest of housing

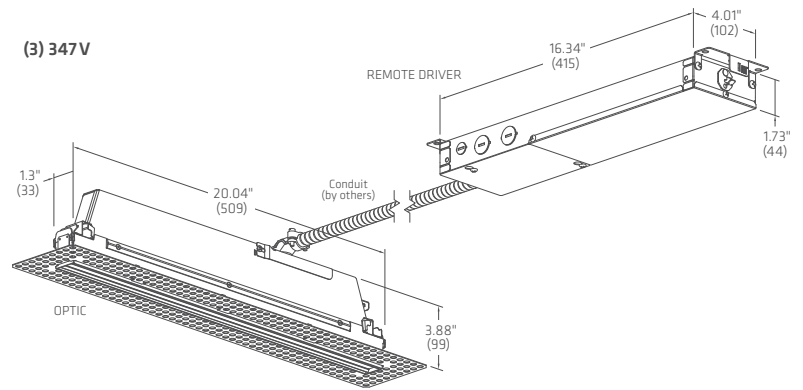
(K2) Internal driver



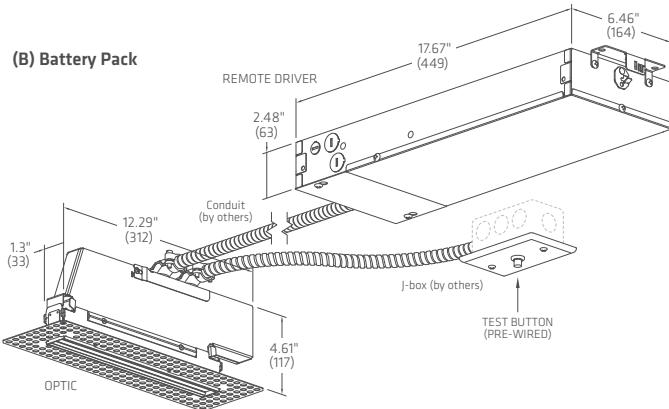
(3) 347V



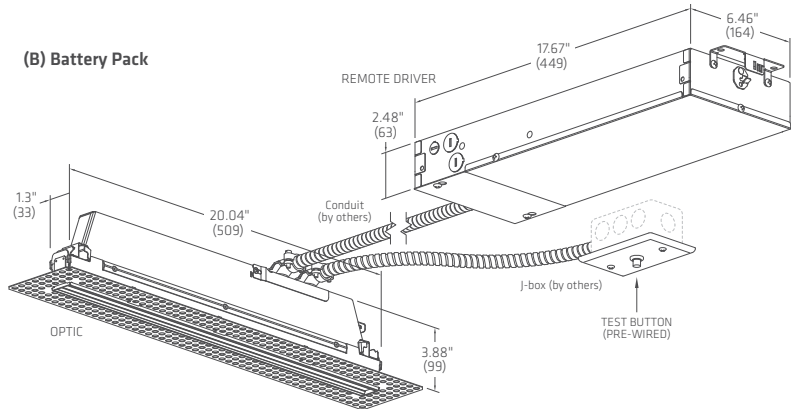
(3) 347V



(B) Battery Pack



(B) Battery Pack



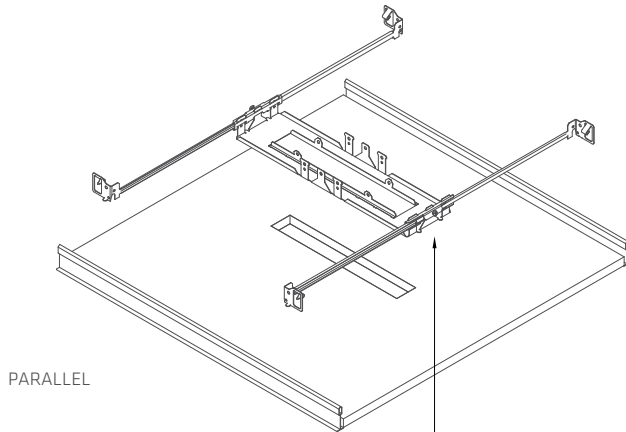
HYPHEN RECESSED SINGLE (HY1-RS)

CEILING INTEGRATION – ROUGH-IN FRAME

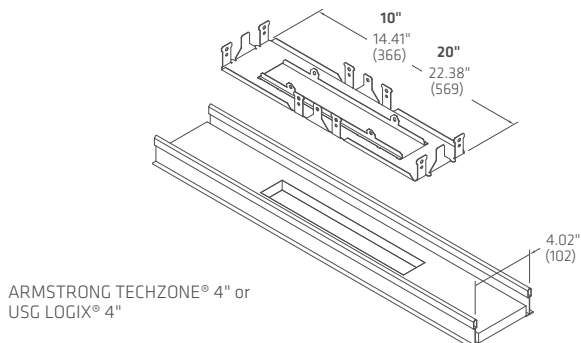
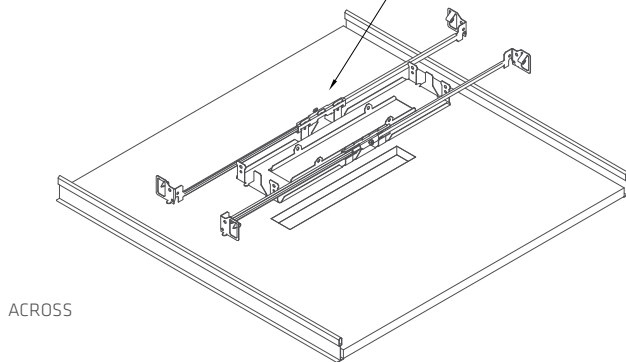
Rough-in frame included with fixture.

Cutout: **10"** – 1.57" x 10.5" (40 x 267), **20"** – 1.57" x 20.35" (40 x 517)

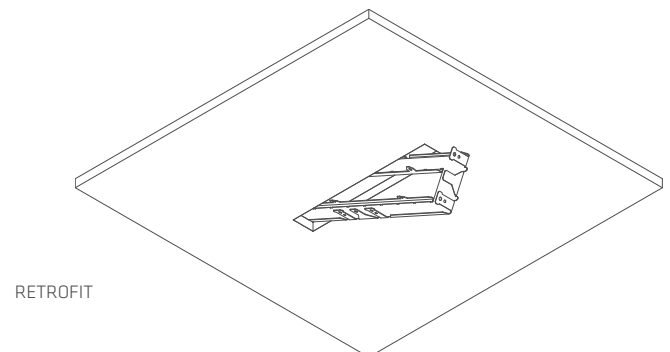
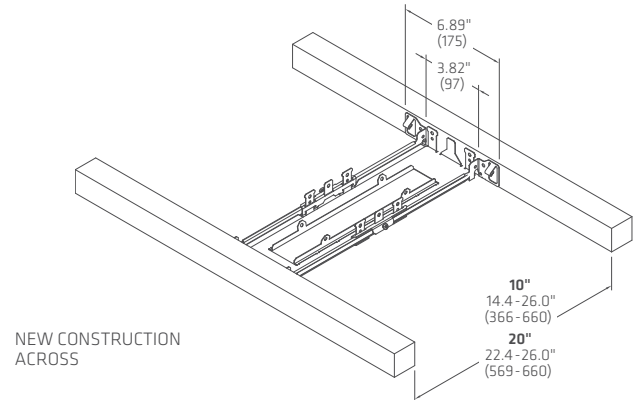
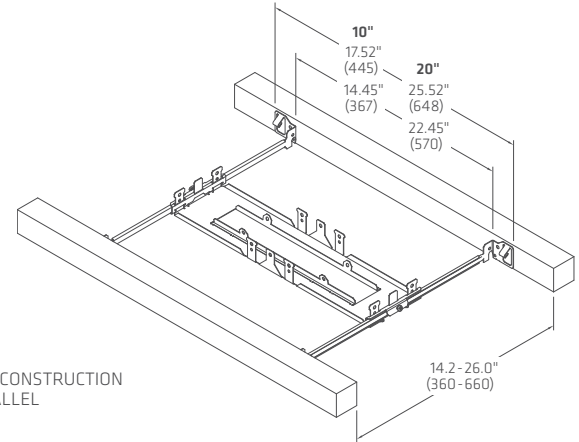
GRID



Remove and reinstall
hanger bars to change
orientation

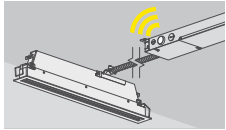


DRYWALL

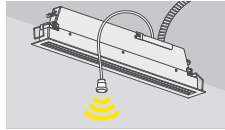


CONTROLS & SENSORS

LUMINAIRE INTEGRATION



V
Controller,
Remote Enclosure

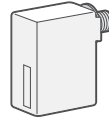


R
Sensor,
Remote/on Ceiling

(N1) Acuity
nLight Wired



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

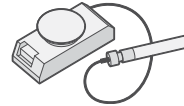


VN1 nLight Wired Controller, Remote Enclosure

(N2, N3) Acuity
nLight Air



Acuity nLight wireless network interfaces.
Models: rIO, rPP20



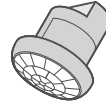
VN2 nLight rIO Controller, Remote Enclosure

VN3 nLight rPP20 Controller, Remote Enclosure

(E1) Siemens
Enlighted



Siemens Enlighted wireless smart
sensor-controllers.
Model: SU-5E-CL



RE1 Enlighted Smart Sensor, Remote/on Ceiling

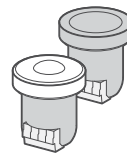
(L1) Lutron
Athena



Lutron Athena wireless smart controllers
& sensors.

Models: A-WN-D01-RF, A-WN-D01-OCC

For YL1 and SL1:
Default Athena color to match fixture/canopy color
Canopy Athena
WH WH
SV BK
BK BK
For VL1 and RL1: default WH



VL1 Athena Controller, Remote Enclosure

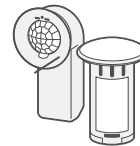
RL1 Athena Sensor, Remote/on Ceiling

(M1) Legrand
Encelium X



Encelium X wireless smart controllers
& sensors.

Models: ZBHA-CLM, EN-CLM-PIR



VM1 X Control Module, Remote Enclosure

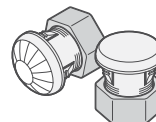
RM1 SensiLUM Sensor, Remote/on Ceiling

(V1) Leviton
Intellect



Leviton Intellect wireless smart controllers
& sensors.

Models: ZL0x0, ZL0xS



VV1 Intellect Controller, Remote Enclosure

RV1 Intellect Sensor, Remote/on Ceiling

Ask us about...

Wattstopper®

Pass & Seymour®

FATON

DISTECH
CONTROLS

CRESTRON

CASAMBI

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Due to continuous product improvements, specifications and dimensions are subject to change without notice.

Certain options have limited compatibility with some other product selections. Consult www.fluxwerx.com for most current technical information.

SPECIFICATION DATA
HYPHEN RECESSED SINGLE (HY1-RS)

NOTES

CONSTRUCTION

- Architectural grade aluminum and 22 ga. steel housings
- Trim flange and drywall trimless housings suitable for new build or retrofit in grid or GWB 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 @ 72,000 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

ELECTRICAL

- Integral high efficiency drivers for 50–60 Hz, 120–277 V and remote with transformer for 347 V
- Power Factor > 0.9
 - Driver F1, F2, F4
 - Driver E1–E4, Energy B–E
 - Driver L1, Energy C–E
- Total Harmonic Distortion $< 20\%$ Driver E1–E4, Energy A–E $< 23\%$ Driver F1, F2, F4
- Dim level: Standard 3%, optional 1% or 0.1%
- Optional Battery Pack delivers 10 W 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
 - 50 ft | 14 ga
 - 80 ft | 12 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

- 10": Maximum 3.8 lbs (1.8 kg) or 7.3 lbs (3.4 kg) with battery pack / 347 V transformer
- 20": Maximum 5.4 lbs (2.5 kg) or 8.9 lbs (4.1 kg) with battery pack / 347 V transformer

WARRANTY

- 5 year limited warranty on all components and workmanship

INDEPENDENT TESTING

- IESNA LM79
- IESNA LM80 (LED @ 12,000 h)

APPROVALS

- UL Listed (USA + Canada)
- CCEA Chicago Plenum
- IC Rated
- Energy Star (10" 90 CRI versions)
- Title 24 JA8 (90 CRI versions)
- Living Building Challenge (LBC) Declared

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 Bodine BSL310 (10 W) H Emergency Switching Functional Devices ESRB Emergency Lighting Relay

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

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HYPHEN RECESSED SINGLE (HY1-RS)

FAMILY PERFORMANCE

COLOR

80 CRI	4000 K	3500 K	3000 K	2700 K
Color Rendering (CRI)	81	83	82	83
Red Index (R9)	0	6	3	8
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

	Z 6.5 W	A 8 W	B 13 W	C 17 W	D 23 W
L80 per TM-21 (hr)	> 72,000				
L70 Estimate (hr)	> 130,000				

OUTPUT MULTIPLIERS

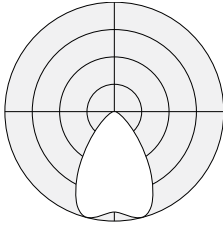
MULTIPLIER	Applies To		
90 CRI	0.86	All 80 CRI	
Battery Pack	0.92	B Energy (13 W)	

OPTIC CHANNEL FINISH	Wide Beam	Medium Beam	Narrow Ellipse
Black	0.89	0.94	0.95
Metallic Silver	0.93	0.96	0.97

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

VERSION PERFORMANCE – 10"

10" Wide Beam, 80 CRI, White Fixture

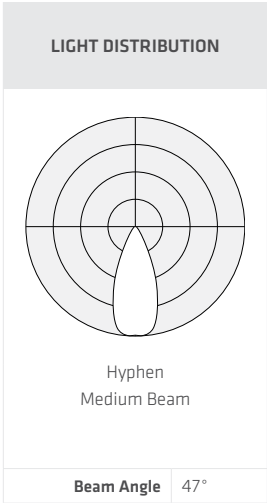
CONFIGURATION			LIGHT & POWER				VISUAL COMFORT	LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX BEAM INTENSITY (Cd)	MAX INTENSITY 45–90° (Cd)	
HY1-RS1-W1840 4000 K	Z	6.5 W	766	6.58	116.3	507	169	 Hyphen Wide Beam
	A	10 W	1150	9.83	117.0	761	254	
	B	13 W	1528	13.20	115.8	1,012	338	
HY1-RS1-W1835 3500 K	Z	6.5 W	731	6.58	111.0	484	162	
	A	10 W	1097	9.83	111.6	726	243	
	B	13 W	1458	13.33	109.4	966	322	
HY1-RS1-W1830 3000 K	Z	6.5 W	724	6.58	110.0	480	160	
	A	10 W	1087	9.83	110.6	720	240	
	B	13 W	1445	13.34	108.0	957	320	
HY1-RS1-W1827 2700 K	Z	6.5 W	676	6.58	102.6	447	149	
	A	10 W	1014	9.83	103.2	672	224	
	B	13 W	1348	13.31	101.0	893	298	



VERSION PERFORMANCE – 10"

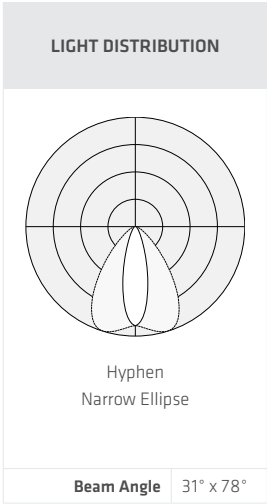
10" Medium Beam, 80 CRI, White Fixture

CONFIGURATION			LIGHT & POWER				VISUAL COMFORT
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX BEAM INTENSITY (Cd)	MAX INTENSITY 45-90° (Cd)
HY1-RS1-M1840 4000 K	Z	6.5 W	849	6.58	129.0	1,054	113
	A	10 W	1275	9.83	129.7	1,582	170
	B	13 W	1695	13.20	128.4	2,103	226
HY1-RS1-M1835 3500 K	Z	6.5 W	810	6.58	123.1	1,006	108
	A	10 W	1217	9.83	123.8	1,510	162
	B	13 W	1668	13.38	125.0	2,070	222
HY1-RS1-M1830 3000 K	Z	6.5 W	803	6.58	122.0	997	107
	A	10 W	1206	9.83	122.7	1,496	160
	B	13 W	1603	13.38	119.8	1,989	213
HY1-RS1-M1827 2700 K	Z	6.5 W	749	6.58	113.8	930	100
	A	10 W	1125	9.83	114.4	1,396	150
	B	13 W	1495	13.31	112.3	1,855	199



10" Narrow Ellipse, 80 CRI, White Fixture

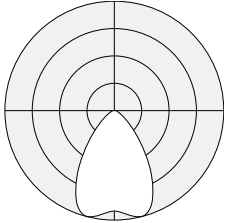
CONFIGURATION			LIGHT & POWER				VISUAL COMFORT
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX BEAM INTENSITY (Cd)	MAX INTENSITY 45-90° (Cd)
HY1-RS1-E1840 4000 K	Z	6.5 W	779	6.58	118.4	913	285
	A	10 W	1170	9.83	119.0	1,370	427
	B	13 W	1555	13.20	117.8	1,821	568
HY1-RS1-E1835 3500 K	Z	6.5 W	743	6.58	112.9	871	272
	A	10 W	1116	9.83	113.5	1,308	408
	B	13 W	1532	13.36	115.0	1,795	560
HY1-RS1-E1830 3000 K	Z	6.5 W	737	6.58	111.9	863	269
	A	10 W	1106	9.83	112.5	1,296	404
	B	13 W	1470	13.36	110.1	1,722	537
HY1-RS1-E1827 2700 K	Z	6.5 W	687	6.58	104.4	805	251
	A	10 W	1032	9.83	105.0	1,209	377
	B	13 W	1371	13.31	103.1	1,607	501



SPECIFICATION DATA
HYPHEN RECESSED SINGLE (HY1-RS)

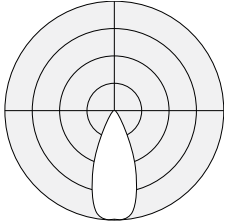
VERSION PERFORMANCE – 20"

20" Wide Beam, 80 CRI, White Fixture

CONFIGURATION			LIGHT & POWER				VISUAL COMFORT	LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX BEAM INTENSITY (Cd)	MAX INTENSITY 45-90° (Cd)	
HY1-RS2-W1840 4000 K	A	10 W	1244	9.61	129.4	824	275	 Hyphen Wide Beam
	B	13 W	1680	13.20	127.3	1,112	372	
	C	17 W	2061	16.45	125.3	1,365	456	
	D	23 W	2797	22.11	126.5	1,852	619	
HY1-RS2-W1835 3500 K	A	10 W	1187	9.61	124.0	786	263	
	B	13 W	1603	13.03	123.0	1,062	355	
	C	17 W	1967	16.45	120.0	1,303	435	
	D	23 W	2669	22.11	121.0	1,767	590	
HY1-RS2-W1830 3000 K	A	10 W	1176	9.61	122.4	779	260	
	B	13 W	1589	13.34	119.1	1,052	351	
	C	17 W	1949	16.45	118.5	1,291	431	
	D	23 W	2645	22.11	119.6	1,752	585	
HY1-RS2-W1827 2700 K	A	10 W	1097	9.61	114.2	727	243	
	B	13 W	1482	13.31	111.4	981	328	
	C	17 W	1819	16.45	110.6	1,204	402	
	D	23 W	2468	22.11	111.6	1,634	546	

Beam Angle70°

20" Medium Beam, 80 CRI, White Fixture

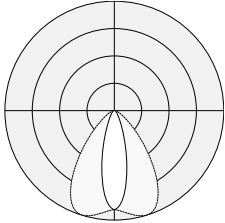
CONFIGURATION			LIGHT & POWER				VISUAL COMFORT	LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX BEAM INTENSITY (Cd)	MAX INTENSITY 45-90° (Cd)	
HY1-RS2-M1840 4000 K	A	10 W	1380	9.61	143.5	1,712	184	 Hyphen Medium Beam
	B	13 W	1863	13.20	141.2	2,312	248	
	C	17 W	2286	16.45	139.0	2,837	304	
	D	23 W	3102	22.11	140.3	3,850	413	
HY1-RS2-M1835 3500 K	A	10 W	1316	9.61	137.0	1,634	175	
	B	13 W	1778	13.03	136.4	2,206	237	
	C	17 W	2181	16.45	132.6	2,707	290	
	D	23 W	2960	22.11	133.9	3,673	394	
HY1-RS2-M1830 3000 K	A	10 W	1305	9.61	135.7	1,619	174	
	B	13 W	1762	13.34	132.1	2,186	234	
	C	17 W	2162	16.45	131.5	2,683	288	
	D	23 W	2934	22.11	132.7	3,640	390	
HY1-RS2-M1827 2700 K	A	10 W	1217	9.61	126.6	1,510	162	
	B	13 W	1644	13.31	123.5	2,040	219	
	C	17 W	2017	16.45	122.6	2,503	268	
	D	23 W	2737	22.11	123.8	3,396	364	

Beam Angle47°

SPECIFICATION DATA
HYPHEN RECESSED SINGLE (HY1-RS)

VERSION PERFORMANCE – 20"

20" Narrow Ellipse, 80 CRI, White Fixture

CONFIGURATION			LIGHT & POWER				VISUAL COMFORT	LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX BEAM INTENSITY (Cd)	MAX INTENSITY 45-90° (Cd)	
HY1-RS2-E1840 4000 K	A	10 W	1266	9.61	131.7	1,483	462	 Hyphen Narrow Ellipse
	B	13 W	1709	13.20	129.5	2,002	624	
	C	17 W	2097	16.45	127.5	2,457	766	
	D	23 W	2846	22.11	128.7	3,334	>1000	
HY1-RS2-E1835 3500 K	A	10 W	1208	9.61	125.6	1,415	441	
	B	13 W	1631	13.03	125.1	1,911	596	
	C	17 W	2001	16.45	121.7	2,344	731	
	D	23 W	2715	22.11	122.8	3,181	992	
HY1-RS2-E1830 3000 K	A	10 W	1197	9.61	124.5	1,402	437	
	B	13 W	1616	13.34	121.1	1,894	590	
	C	17 W	1983	16.45	120.6	2,324	724	
	D	23 W	2691	22.11	121.7	3,153	983	
HY1-RS2-E1827 2700 K	A	10 W	1117	9.61	116.2	1,308	408	
	B	13 W	1508	13.31	113.3	1,766	551	
	C	17 W	1850	16.45	112.5	2,168	676	
	D	23 W	2511	22.11	113.5	2,941	917	

Photometry Reports: 14664705.01 – 09, 14686782.01 – 08, 14734304.01 – 09, 14765225.02

Photometry baseline established with integrating sphere and goniophotometer results from an independent accredited testing laboratory per IES LM-79 & ANSI 78.377. Remaining values scaled from baseline data per IES LM-63. Output and power may vary by up to 5%.