

130 N. Oviatt St., Hudson, OH 44236

5-004



STATISTICS				
Description	Avg	Max	Min	Max/Min
Active Entry	5.0 fc	6.7 fc	2.3 fc	2.9:1
Patio	2.2 fc	11.6 fc	0.2 fc	58.0:1
Walkway	0.5 fc	0.8 fc	0.2 fc	4.0:1





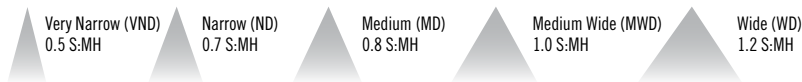
General Illumination Round Downlight

6"

Feature Set

- Bounding Ray™ optical design
- Unitized optics mechanically attach the light engine to the lower reflector for complete optical alignment.
- 45° cutoff to source and source image
- Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 60,000 hours
- 2.5 MacAdam Ellipse; 85 CRI typical, 90+ CRI optional
- Fixtures are wet location, covered ceiling
- Available with 10% dimming, 1% dimming, or dim to dark
- Batwing distribution with feathered edges provides even illumination on horizontal and vertical surfaces
- ENERGY STAR® certified product
- UGR of zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg per CIE 117-1995 Discomfort Glare in Interior Lighting. [UGR FAQ](#)

Distribution



Superior Performance

Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000	4500	5000	6000	8000	10,000	12,000	15,000	17,500
Delivered Lumens	297	519	776	994	1471	2006	2537	3077	3542	4027	4533	5256	6371	8247	10637	12332	15776	17801
Wattage	3.4	6.2	8.2	9.6	14.7	19.7	24.7	29.5	33.8	39.0	47.3	48.7	57.6	74.9	97.1	115.0	150.9	175.3
Lumens per Watt	87.4	83.7	94.6	103.5	100.1	101.8	102.7	104.3	104.8	103.3	95.8	107.9	110.6	110.1	109.5	107.2	104.5	101.5

*Based on 3500K AR LSS MWD 80CRI

Coordinated Apertures | Multiple Layers of Light



General Illumination Layer | EVO



High Center Beam Layer | Incito



EVO + Incito — Multiple Layers of Light

Core



Downlight



Adjustable



Open Wallwash



Lensed Wallwash



Cylinder



Pinhole



Bevel



Hyperbolic

Healthcare



MRI



Surgical Suite



Patient Room

Special Applications



Dynamic



Food Service



Vandal/Tamper



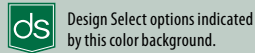
Clean Room



Shower



Steam Room



Luminaire Type:

Catalog Number:

EXAMPLE: EVO6 35/150 AR MWD LSS MVOLT EZ1

Series	Color Temperature		Nominal Lumen Values			Reflector & Flange Color		Trim Style		Finish		
EV06	27/	2700 K	02	250 lumens	40	4000 lumens	AR	Clear	(blank)	Self-flanged	LSS	Semi-specular
	30/	3000 K	05	500 lumens	45	4500 lumens	PR	Pewter	FL	Flangeless	LD	Matte-diffuse
	35/	3500 K	07	750 lumens	50	5000 lumens	WTR	Wheat			LS	Specular
	40/	4000 K	10	1000 lumens	60	6000 lumens	GR	Gold				
	50/	5000 K	15	1500 lumens	80	8000 lumens	WR ¹	White				
			20	2000 lumens	100	10000 lumens	BR ¹	Black				
			25	2500 lumens	120	12000 lumens	WRAMF ¹	White Anti-microbial				
			30	3000 lumens	150	15000 lumens	TRALTB ^{1,2}	RAL paint for pricing only				
			35	3500 lumens	175	17500 lumens	TCPC ¹	Custom paint color				

Distribution	Voltage	Driver ⁵		
VND Very Narrow (0.5 s/mh)	MVOLT	GZ10	0-10V driver dims to 10%	EDXB eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Includes termination resistor. Refer to DMXR Manual . Minimum 1000 lumens/Maximum 15000 lumens.
ND Narrow (0.7 s/mh)		GZ1	0-10V driver dims to 1%	
MD Medium (0.9 s/mh)		EZ10	eldoLED 0-10V ECOdrive. Linear dimming to 10% min.	ECOD ⁶ Lutron Ecosystem digital Hi-Lume 1% soft-on, fade to black. Max: 4000LM.
MWD Medium Wide (1.0 s/mh)		EZ1	eldoLED 0-10V ECOdrive. Linear dimming to 1% min.	
WD Wide (1.2 s/mh)		EZB	eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%.	
	347 ^{3,4}	EDAB	eldoLED SOLOdrive DALI. Logarithmic dimming to <1%.	

Control Interface	Emergency Options	Options
NLT ⁷ nLight® dimming pack controls	EL Emergency battery pack, 10W, with integral test switch	SF Single fuse. Specify 120V or 277V.
NLTER ^{3,7,8} nLight® dimming pack controls emergency circuit	ELR Emergency battery pack, 10W, with remote test switch	TRW ¹¹ White painted flange
NLTAIR ^{9,10} nLight® AIR enabled	ELSD Emergency battery pack, 10W, with self-diagnostics, integral test switch	TRBL ¹² Black painted flange
NLTAIRER2 ^{3,8,10} nLight® AIR enabled emergency	ELRSD Emergency battery pack, 10W, with self-diagnostics, remote test switch	FRALTBD ² Flange ring only RAL color for pricing only
NLTAIREM2 ^{3,9} nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit with battery pack options.	E10WCP Emergency battery pack, 10W Constant Power, CA Title 20 compliant with integral test switch	FCPC Flange custom paint color
	E10WCPR Emergency battery pack, 10W Constant Power, CA Title 20 compliant with remote test switch	N80 ¹³ nLight® Lumen Compensation
	BGTD Bodine generator transfer device. Specify 120V or 277V.	GTG generator transfer device. Specify 120V or 277V
		90CRI High CRI (90+)
		CP ¹⁴ Chicago Plenum. Specify 120V or 277V for 5000lm and above.
		HAO ¹⁵ HAO High Ambient Option (40°C)
		RRL RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Available only with RRLA, RRLB, RRLAE, and RRLC12S. Refer to RRL spec sheet on www.acuitybrands.com for RELOC® product specifications. Above ceiling access required.

ACCESSORIES – order as separate catalog numbers (shipped separately)

SCA6	Sloped ceiling adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA6 10D. Refer to TECH-190 .
CTA EVO6	6" Aperture ceiling thickness adapter, for up to 8,000LM (extends mounting frame to accommodate ceiling thickness up to 5").
CTA4-8 YK	4"-8" Aperture ceiling thickness adapter for use with EDXB or CP up to 8,000LM, or nTune options (extends mounting frame to accommodate ceiling thickness up to 5").
CTA4-8 YKHL	6" Aperture ceiling thickness adapter, for 10,000LM and up (extends mounting frame to accommodate ceiling thickness up to 5"). For use with CWW/DWW trims, EDXB, CP or nTune options.
ISD BC	0-10V wallbox dimmer. Refer to ISD-BC .

ORDERING NOTES

- Not available with finishes.
- Replace with applicable RAL number and finish when ready to order. See [RAL BROCHURE](#) for available color options. Not available with emergency battery pack options.
- Not available with emergency battery pack options.
- Supplied with factory installed step down transformer.
- Refer to [TECH-240](#) for compatible dimmers.
- Not available with nLight®.
- Specify voltage.
- ER for use with generator supply power. Will require an emergency hot feed and normal hot feed.
- Not available DALI or DMX drivers. Not available with CP or N80 options. Not recommended for metal ceiling installations.
- When combined with the EZ1, EZ10, or EZB option, normal luminaires (non-emergency) can be used as a normal power sensing device for nearby nLight AIR devices and luminaires with EM emergency options.
- For use with different reflector finish only (i.e. AR, PR, WTR, GR options). Not applicable with WR (white reflector) or FL (flangeless) option.
- For use with different reflector finish only (i.e. AR, PR, WTR, GR options). Not applicable with BR (black reflector) or FL (flangeless) option.
- Fixture begins at 80% light level. Must be specified with NLT or NLTER. Only available with EZ10 and EZ1 drivers.
- 12,000LM max with EL or nLight® options. 5,000LM max with Lutron drivers combined with EL. Not available with ELR, HAO, or EXAB, or any nLight® AIR dimming options.
- Only available 5000LM - 15,000LM with eldoLED drivers.

Optical Assembly

Optical design is a Bounding Ray™ design with 45° cutoff to source and source image. Top-down flash characteristic for superior glare control. Unitized optics shall have mechanical attachment of the light engine to the lower reflector for complete optical alignment.

Electrical

The luminaire shall operate from a 50 or 60 Hz ± 3 Hz AC line over a voltage ranging from 120 VAC to 277 VAC. The fluctuations of line voltage shall have no visible effect on the luminous output.

The luminaire shall have a power factor of 90% or greater at all standard operating voltages and full luminaire output.

Sound Rated A+. Driver shall be >80% efficient at full load across all input voltages.

Input wires shall be 18AWG, 300V minimum, solid copper.

Controls

Luminaire shall be equipped with interface for nLight wired or wireless network with integral power supply as per specification.

Dimming

The luminaire shall be capable of continuous dimming without perceivable stroboscopic flicker as measured by flicker index (ANSI/IES RP-16-10) over a range of 100 – 10%, 100 – 1.0% or 100 – 0.1% of rated lumen output with a smooth shut off function to step to 0%.

eldoLED LED drivers shall conform to IEEE P1789 standards. Alternatively, manufacturers must demonstrate conformance with product literature and testing which demonstrates this performance. Systems that do not meet IEEE P1789 will not be considered.

Driver is inaudible in 24dB environment, and stable when input voltage conditions fluctuate over what is typically experienced in a commercial environment.

Construction

Fully serviceable and upgradeable lensed LED light engine, both the driver and light engine are suitable for field maintenance and are serviceable from above or below the ceiling.

Luminaire housing shall be constructed of 16-gauge galvanized steel and have preinstalled telescopic mounting bars with maximum 32" and minimum 15" extension and 4" vertical adjustment.

Luminaires shall be suitable for installation in ceilings up to 1½" thick. (specify ceiling thickness adapter to extend frame to accommodate ceiling thickness up to 5").

Tool-less adjustments shall be possible after installation.

The assembly and manufacturing process for the luminaire shall be designed to assure all internal components are adequately supported to withstand mechanical shock and vibration.

25°C ambient temperature standard (1/2" clearance on all sides from non-combustible materials in non-IC applications, unless marked spacing noted otherwise). For use in insulated ceilings, a 3" clearance on all sides from insulation is required (unless marked spacing noted otherwise). 40°C high ambient optional.

Listings

Fixtures are CSA certified to meet US and Canadian Standards: All fixtures manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" to UL, wet location covered ceiling. Luminaire configurations are Energy Star certified through testing in EPA-recognized laboratories, with the results reviewed by an independent, accredited certification organization. Visit www.energystar.gov for specific configurations listed.

BUY AMERICAN ACT

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

Photometrics

LEDs tested to LM-80 standards. Measured by IESNA Standard LM-79-08 in an accredited lab. Lumen output shall not decrease by more than 30% over the minimum operational life of 60,000 hours.

Color appearance from luminaire to luminaire of the same type and in all configurations, shall be consistent both initially and at 60,000 hours and operate within a tolerance of <2.5 MacAdam ellipse as defined by a point at the intersection of the CCT line and the black body locus line in CIE chromaticity space.

Warranty

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note:

Actual performance may differ as a result of end user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control capability with simple commissioning when used with Acuity Brands controls products.

All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specification for chromatic consistency - including color rendering, color fidelity and color temperature tolerance around standard CIE chromaticity coordinates.

To learn more about A+, visit www.acuitybrands.com/aplus.

Marked Spacing in Inches 25°C Ambient			
Lumen Package	Fixed Center to Center MIN	Fixture Center to Building Member MIN	Space Above Fixture
500-5000	None	None	None
6000	24	12	5
8000	36	18	11
10000			9
12000			
15000			
17500	72	36	

EVO - eldoLED Driver Default Dimming Curve			
Nomenclature	Min Dimming	Driver Dim Curve	Control Dim Curve
EZ10	10%	Linear	Linear/Logarithmic
EZ1	1%	Linear	Linear/Logarithmic
EXA1	1%	Linear	Linear/Logarithmic
EZB	<1%	Logarithmic	Linear
EDAB	<1%	Logarithmic	Linear
EXAB	<1%	Logarithmic	Linear
EDXB	<1%	Square	Linear

Marked Spacing in Inches 40°C Ambient			
Lumen Package	Fixed Center to Center MIN	Fixture Center to Building Member MIN	Space Above Fixture
5000	24	12	5
6000			
8000	48	24	9
10000			
12000			
15000	72	36	9

Marked Spacing Chicago Plenum Open Frame in Inches 25°C Ambient			
Lumen Package	Fixed Center to Center MIN	Fixture Center to Building Member MIN	Space Above Fixture
250-5000	None	None	None
6000	24	12	5
8000	36	18	11
10000			9
12000			
15000			
17500	72	36	

Marked Spacing Chicago Plenum Enclosure in Inches 25°C Ambient			
Lumen Package	Fixed Center to Center MIN	Fixture Center to Building Member MIN	Space Above Fixture
250-6000	None	None	None
8000	36	18	6
10000	48	24	3
12000			

Control Provided (note: 347V/UVOLT versions provided with 347 option selected)					
Driver					
Nomenclature	Description	NLT	NLTER	NLTAIR2	NLTAIRER2
GZ10	0-10V driver dims to 10%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2
GZ1	0-10V driver dims to 1%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2
EZ10	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2
EZ1	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2
EZB	eldoLED 0-10V SOLOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2

How to Estimate Delivered Lumens in Emergency Mode

$$\text{Delivered Lumens} = 1.25 \times P \times \text{LPW}$$

P = Output power of emergency driver. P = 10W for PS1055CP

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

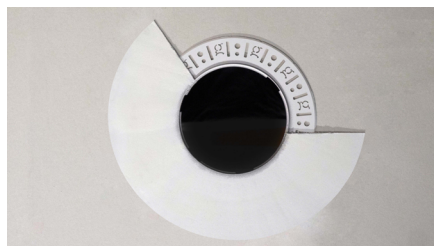
Flangeless Installation

Gotham's flangeless option utilizes a micro-thin polymer mud ring that minimizes the amount of drywall compound required to finish the ceiling. The end result is a virtually undetectable flangeless downlight installation.

The polymer mud ring is installed independent of the of the recessed frame, therefore floating with the ceiling. This innovation minimizes any surface cracks during reflector installation, ceiling movement and any future service to the recessed frame, wiring, electronics, etc.



Partially finished mud ring, showing cross-section detail.



An EVO downlight requires only approximately 3" of plaster to finish.



EVO with flangeless trim

*Dimensions in inches [centimeters]

Aperture: 6 1/4" [15.9]

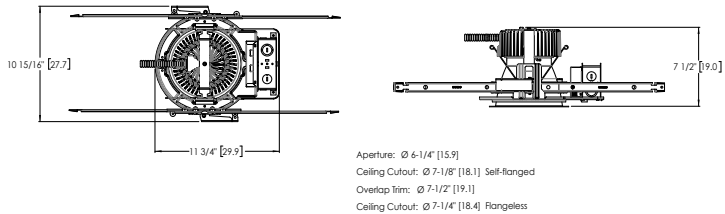
Ceiling Opening: 7 1/8" [18.1] self-flanged

Overlap Trim: 7 1/2" [19.1]

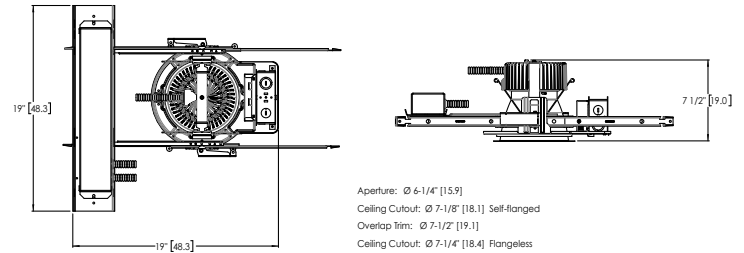
7 1/4" [18.4] flangeless

DIMENSIONAL DATA

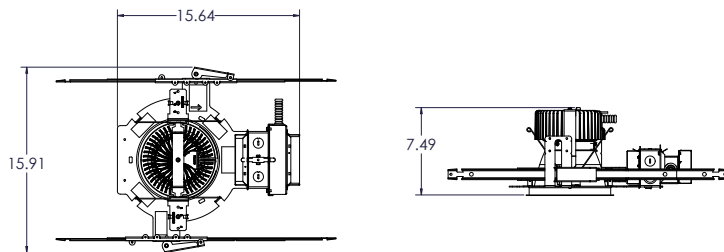
250LM-5000LM Standard



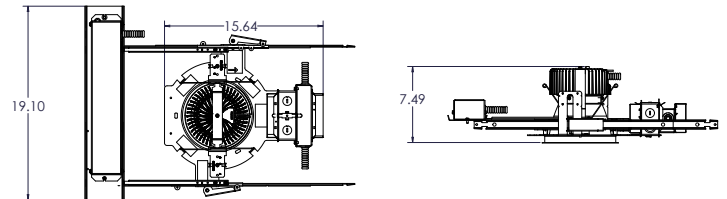
250LM-5000LM Battery Pack



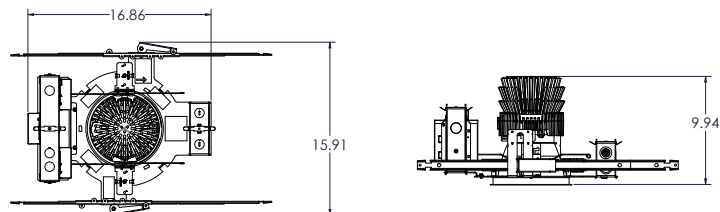
6000LM-8000LM Standard



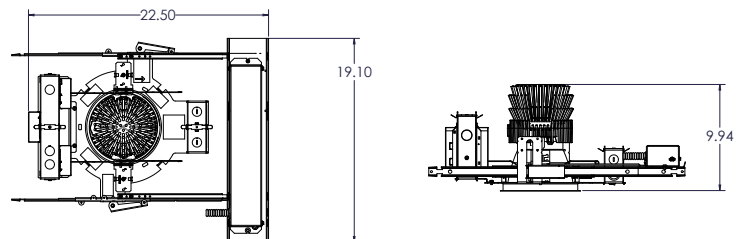
6000LM-8000LM Battery Pack



10,000LM-17,500LM Standard



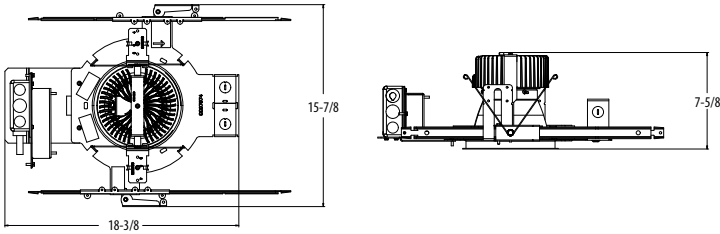
10,000LM-17,500LM Battery Pack



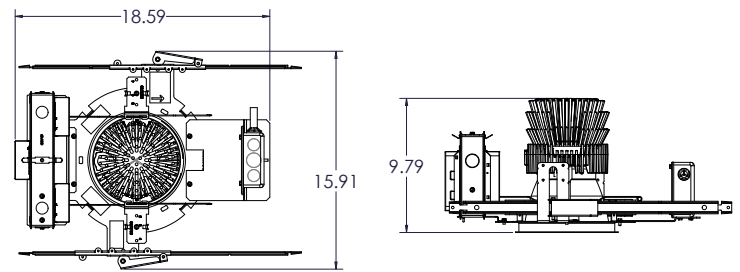
*Dimensions in inches [centimeters]

DIMENSIONAL DATA

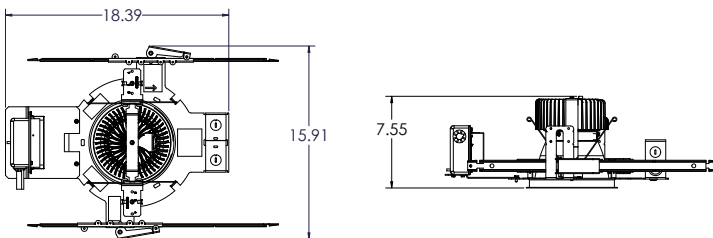
250LM-4500LM CP



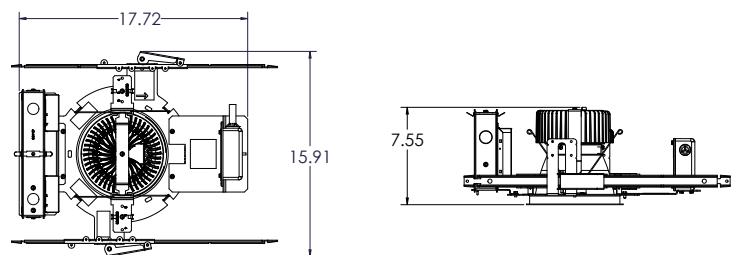
10000LM - 17,500LM Lumen Open Frame CP



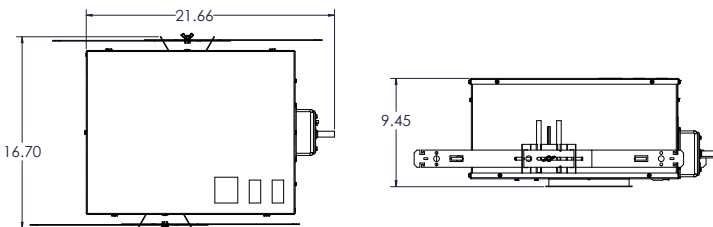
5000LM ECO/SOLO Drive Open Frame CP



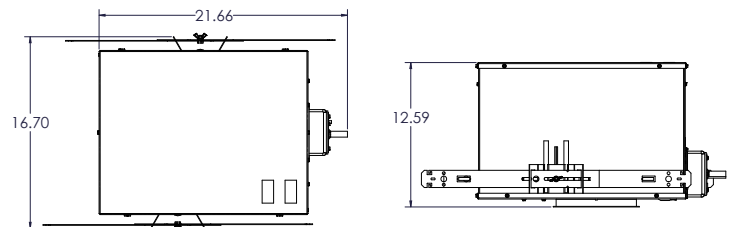
5000LM (Lutron & POWER Drive Only), 6000LM & 8000LM Open Frame CP



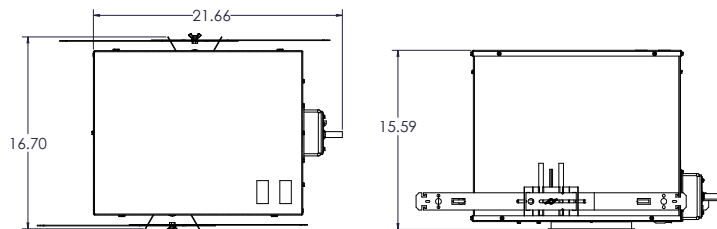
250LM - 6000LM CP Enclosed with Battery Pack and/or nLight™ Only



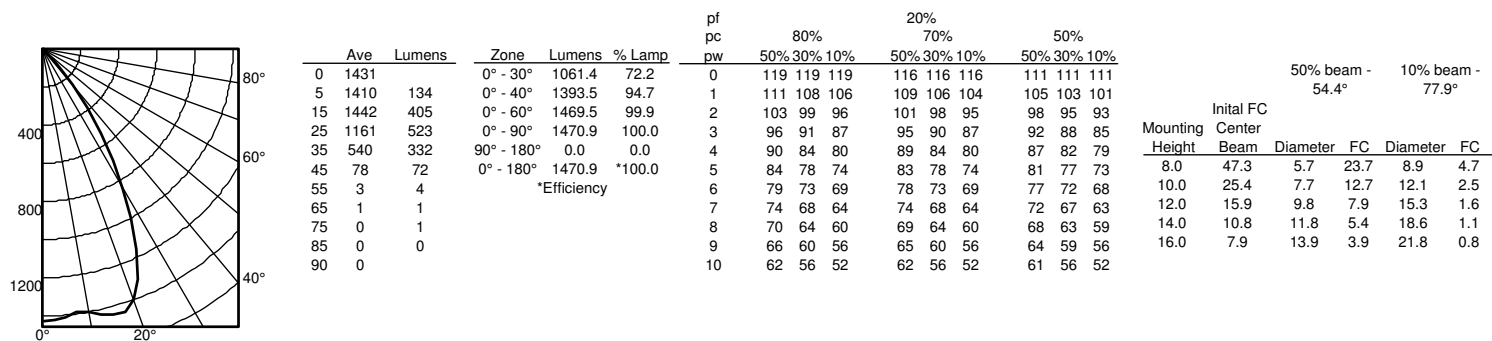
8,000LM CP Enclosed with Battery Pack and/or nLight™ Only



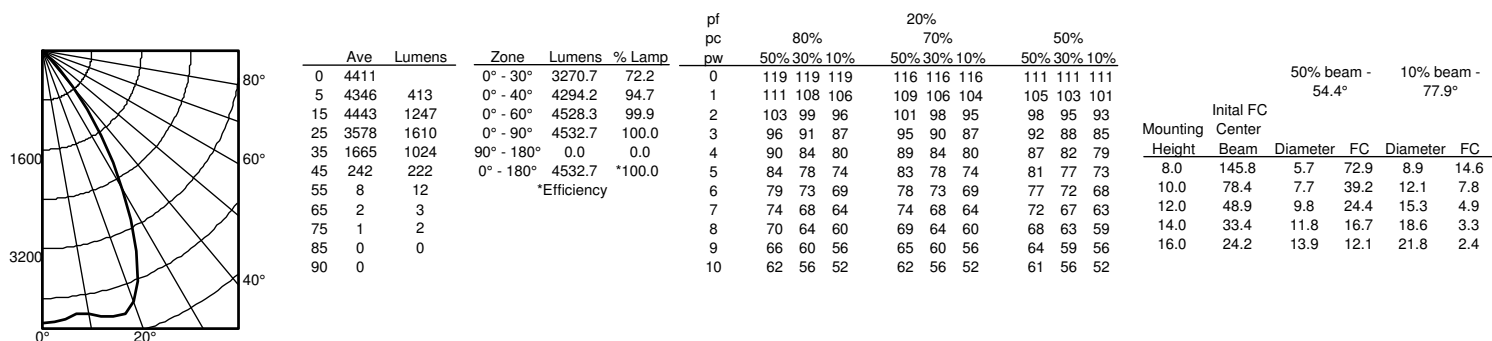
10,000LM-12,000LM CP Enclosed with Battery Pack and/or nLight™ Only



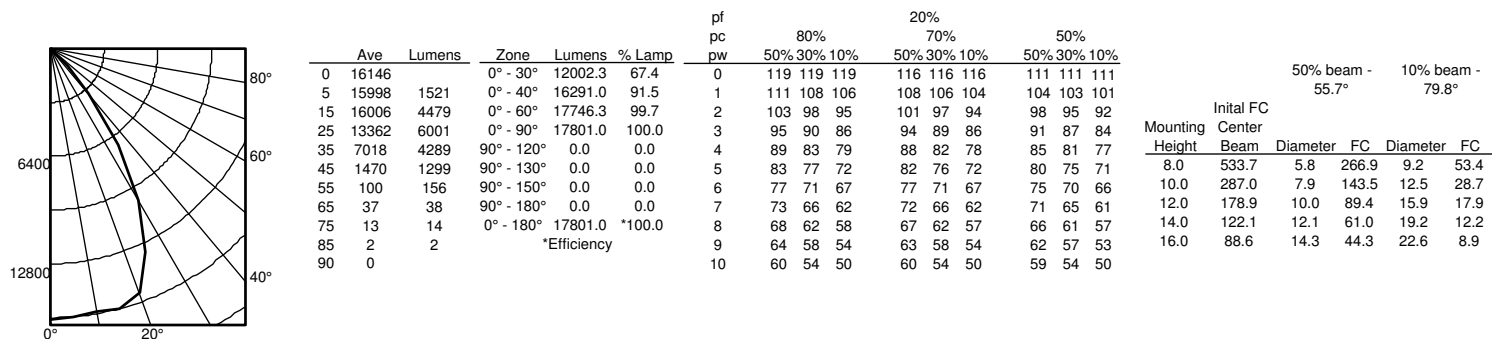
EV06 35/15 AR MWD LS INPUT WATTS: 14.7, DELIVERED LUMENS: 1471LM, LPW= 100, 1.03 S/MH, TEST NO. LTL27783P1505



EV06 35/45 AR MWD LS INPUT WATTS: 47.3, DELIVERED LUMENS: 4532.7LM, LPW= 95.8, 1.03 S/MH, TEST NO. LTL27783P1649



EV06 35/175 AR MWD LS INPUT WATTS: 175.3, DELIVERED LUMENS: 17801LM, LPW=101.5, 1.06 S/MH, TEST NO. ISF 34035P268



Lumen Output Multiplier		
CRI	CCT	Multiplier
80	2700K	0.96
	300K	1.00
	3500K	1.00
	4000K	1.01
	5000K	1.07
90	2700K	0.80
	300K	0.83
	3500K	0.85
	4000K	0.87
	5000K	0.91

Reflector Finish Multiplier	
Reflector Finish	Multiplier
LS - Specular	1
LSS - Semi Specular	0.956
WR - White	0.87
LD - Matte Diffuse	0.85
BR - Black	0.73

Distributions		
Nomenclature	Beam Angle	Field Angle
VND	30	64
ND	44	69
MD	54	82
MWD	67	89
WD	71	92

nLight® AIR is the ideal solution for retrofit or new construction spaces where adding communication wiring is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each EVO Luminaire ordered with the NLTAIR option. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.

nLight® AIR Control Accessories

Order as separate catalog number. Visit [nLight AIR](#).

Wall Switches

	Model Number
On/Off single pole	rPODB (color) G2
On/Off two pole	rPODB 2P (color) G2
On/Off & raise/lower single pole	rPODB DX (color) G2
On/Off & raise/lower two pole	rPODB 2P DX (color) G2

nLight® AIR Control Accessories (cont.)

Occupancy Sensors (PIR/dual tech)

	Model Number
Small motion 360°, ceiling	rCMS 9 / rCMS PDT 9
Large motion 360°, ceiling	rCMS 10 / rCMS PDT 10

UL924 Sequence of Operation

The below information applies to all nLight AIR devices with an EM option.

- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

nLight® The nLight® solution is a digital networked lighting control system that provides both energy savings and increased user configurability by cost effectively integrating time-based, daylight-based, sensor-based and manual lighting control schemes.

nLight® Wired Control Accessories

Order as separate catalog number. Visit [nLight](#).

Wall Switches

	Model Number
On/Off single pole	nPODM (color)
On/Off two pole	nPODM 2P (color)
On/Off & raise/lower single pole	nPOD DX (color)
On/Off & raise/lower two pole	nPODM 2P DX (color)
Graphic touchscreen	nPOD GFX (color)

Photocell Controls

Dimming	nCM ADCX
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nLight® Wired Control Accessories (cont.)

Occupancy Sensors (PIR/dual tech)

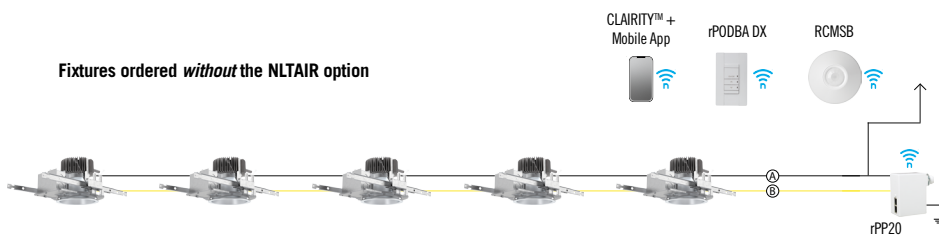
	Model Number
Small motion 360°, ceiling	nCM 9 / nCM PDT 9
Large motion 360°, ceiling	nCM 10 / nCM PDT 10
Wide View	nWV 16 / nWV PDT 16
Wall switch with raise/lower	nWSX LV DX / nWSX PDT LV DX

Cat-5 Cables (plenum rated)

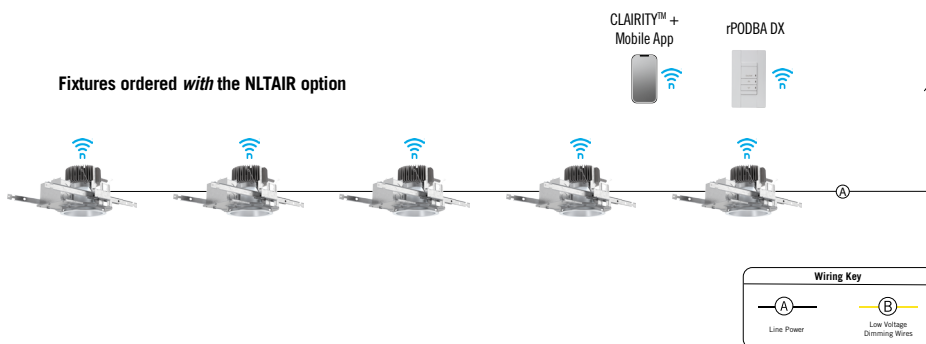
10', CAT5	CAT5 10FT J1
15', CAT5	CAT5 15FT J1

Possibilities for nLight® AIR

Fixtures ordered *without* the NLTAIR option

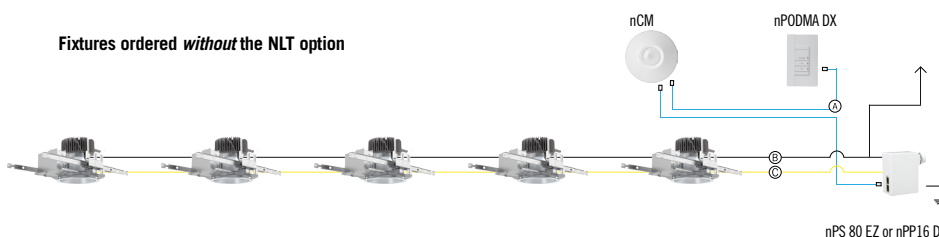


Fixtures ordered *with* the NLTAIR option

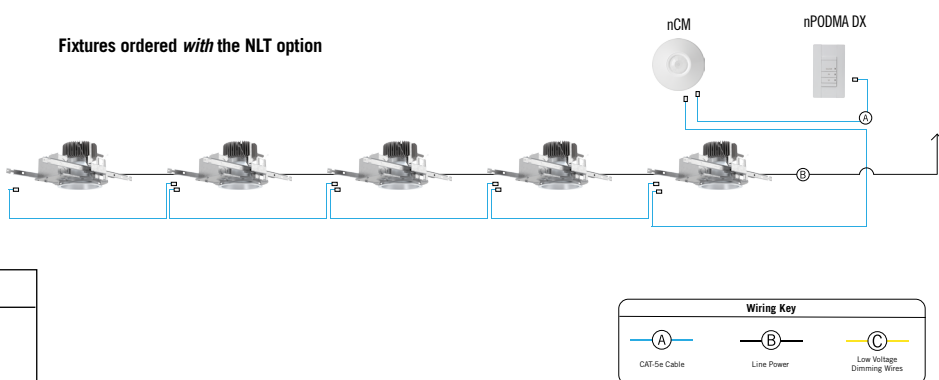


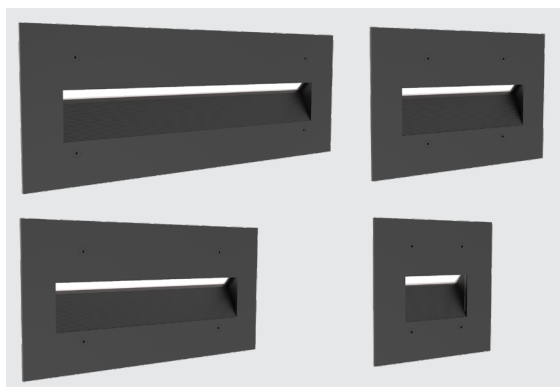
Possibilities for nLight® wired

Fixtures ordered *without* the NLT option



Fixtures ordered *with* the NLT option





HSL13

Static White and Static Color Step Light 13

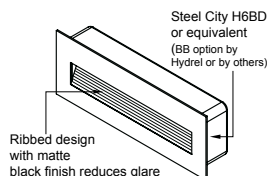
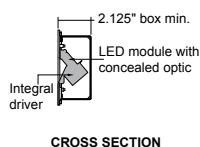
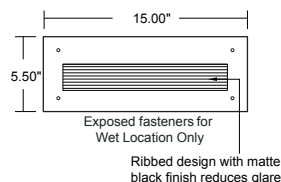
HIGHLIGHTS

- Integral Driver
- Long throw distribution
- Standard 0-10V dimming option
- Die-cast housing with solid aluminum, brass, or stainless steel faceplate
- Wet location listed
- Back Box provided by Hydrel or by others
- Suitable for concrete pour if BB option is chosen or Steel City back box is used

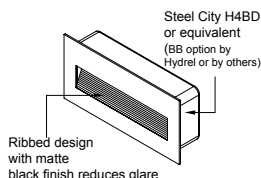
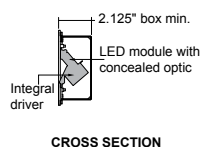
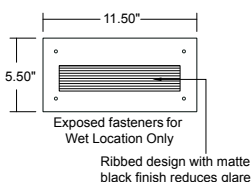
5
YEAR
warranty


DIMENSIONS

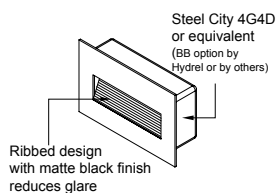
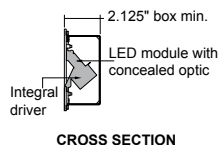
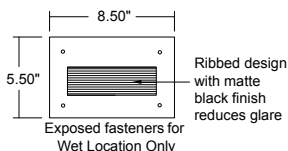
12INCH



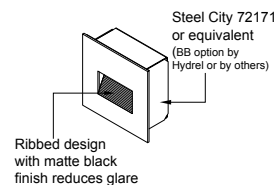
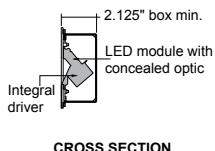
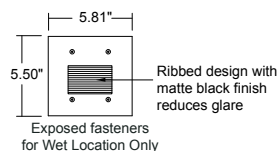
9INCH



6INCH



3INCH



LUMEN PACKAGES

Distribution	Delivered Lumens	Input Watts	Lumens/Watt
3INCH	87	3	29
6INCH	194	5	36
9INCH	299	8	37
12INCH	386	11	37

Performance data based upon 30K LED 80CRI

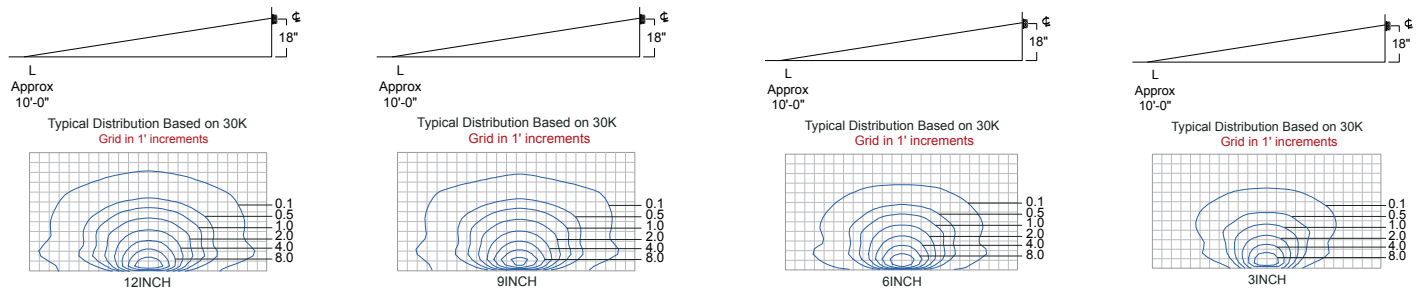
ORDERING INFORMATION

EXAMPLE: HSL13 3INCH LED 27K MVOLT L MIN5 BRB

Series*	Length*	Source*	Color Temperature*	Voltage*	Distribution*
HSL13 Step Light 13	3INCH 3" Nominal Length 6INCH 6" Nominal Length 9INCH 9" Nominal Length 12INCH 12" Nominal Length	LED	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K AMBLW Amber Limited Wavelength 590nm BLU Blue GRN Green RED Red CYN Cyan RDO Red-Orange	MVOLT Multi-Volt 120V thru 277V	L Long Throw
Dimming Optional	OPTION	Finish*			
MIN5 Dimming Driver	BB Back Box Note: Include BB if you need a back box, otherwise back box is by others. Note: Suitable for concrete pour if BB option is chosen or Steel City back box is used	BRB Brushed Brass BBP Brushed Brass Paint BRSS Brushed Stainless Steel LBPS Light Bronze Paint Smooth PBR Polished Brass PSS Polished Stainless Steel SGB Semi Gloss Black SGW Semi Gloss White CF Custom Finish RALTB Ral Paint Finishes Note: RALTB for pricing only, replace with applicable RAL call out when ready to order. See the RALBROCHURE for available options. It is recommended that Hydrel products only use textured paint.			

Note: * is a required field

PERFORMANCE DATA



Expected Life: Static White LED: L70 @ 60,000 hours
Static Color LED: L70 @ 60,000 hours

Lumen Multiplier Table for CCT

CCT	Multiplier
27K	0.963
30K	1.000
35K	1.218
40K	1.153
50K	1.208

WIRING

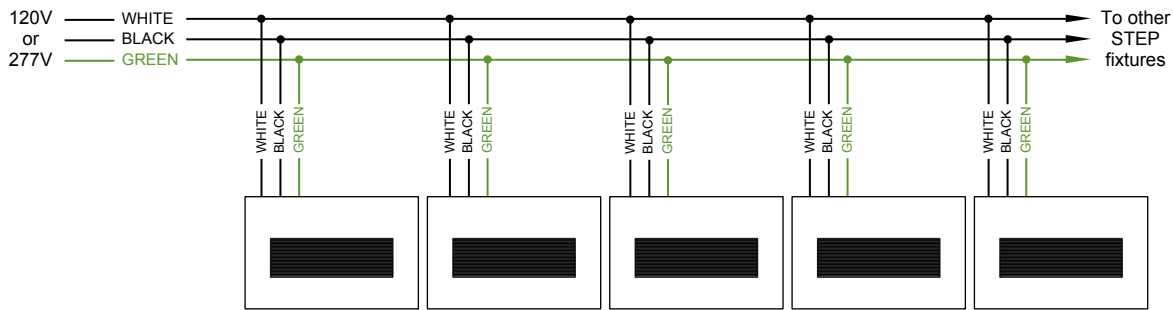
Read all instructions before installation. Do not make live connections!

NON-DIMMING INSTALLATIONS (For non-dimming, cap off the grey and purple wires separately)

Connect STEP WHITE wire to power NEUTRAL.

Connect STEP BLACK wire to power HOT.

Connect STEP GREEN wire to power GROUND.



DIMMING INSTALLATIONS

The integral dimming driver is designed to the 0-10V IEC dimming specification 60929 and is compatible with common 0-10V dimmers and dimming systems.

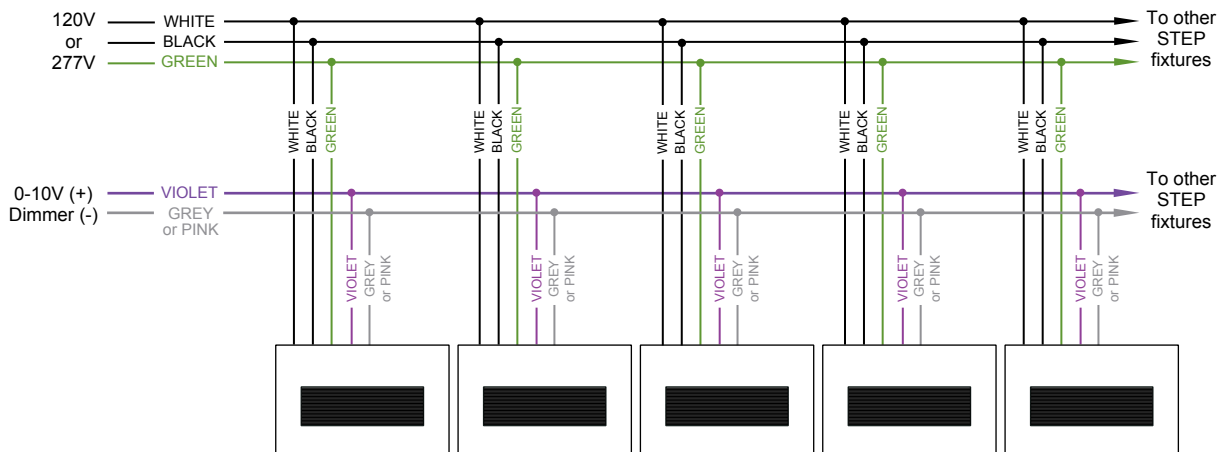
Do NOT connect line voltage to dimming input wires.

Connect STEP WHITE wire to power NEUTRAL.

Connect STEP BLACK wire to power HOT.

Connect STEP VIOLET wire to POSITIVE INPUT of Dimming Control.

Connect STEP GREY or PINK wire to NEGATIVE INPUT of Dimming Control.



SPECIFICATIONS & FEATURES

Construction

Die-cast housing with solid aluminum, brass, or stainless steel faceplate.

Source

Light source consists of eight powerful LEDs available in five static white color temperatures/80CRI & six colored LED choices. All within a 3MacAdam ellipse

Optics

A concealed optic provides a long light distribution for illumination of large areas.

Electrical

Integral electronic driver for 120 through 277v/50-60Hz input. Standard 0-10V dimming to 5%. THD: <20%. PFC: > 0.90. Complies to FCC CFR Title 47 Part 15, Class B at 120v and Class A at 277v EMI noise rating.

Mounting

HSL13 3LONG: Designed to mount to a Steel City 72171 square junction box (BB option from Hydrel or by others) or equivalent.
HSL13 6LONG: Designed to mount to a Steel City 4G4D multi-gang junction box (BB option from Hydrel or by others) or equivalent.
HSL13 9LONG: Designed to mount to a Steel City H4BD multi-gang junction box (BB option from Hydrel or by others) or equivalent.
HSL13 12LONG: Designed to mount to a Steel City H6BD multi-gang junction box (BB option from Hydrel or by others) or equivalent.

Lens

Extruded clear acrylic optic lens concealed in reflector housing

Circuiting

Single circuit

Environment

Wet location.

BUY AMERICAN ACT: This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/resources/buy-american for additional information.

Listing

ETL / cETL

Finish

Recessed surfaces have a ribbed design with matte black finish to reduce glare. Faceplates are available in four metal finishes with protective clear coat or one of four polyester powder coat painted finishes.

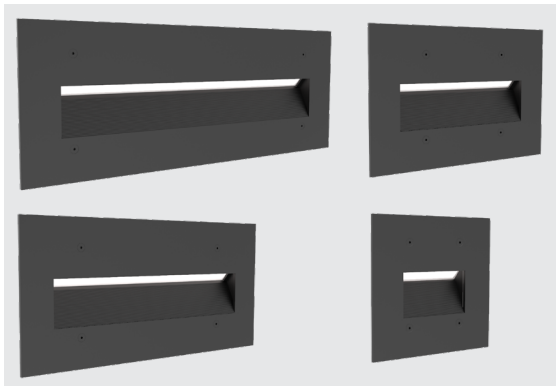
Warranty

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.



HSL13

Static White and Static Color Step Light 13

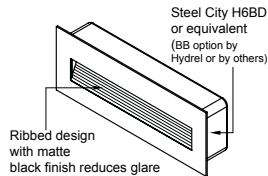
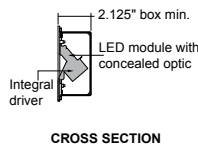
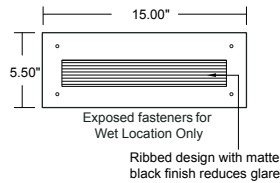
HIGHLIGHTS

- Integral Driver
- Long throw distribution
- Standard 0-10V dimming option
- Die-cast housing with solid aluminum, brass, or stainless steel faceplate
- Wet location listed
- Back Box provided by Hydrel or by others
- Suitable for concrete pour if BB option is chosen or Steel City back box is used

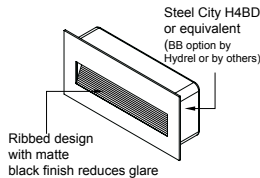
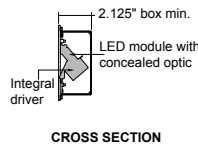
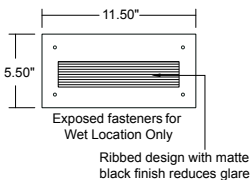
5
YEAR
warranty


DIMENSIONS

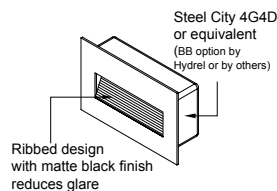
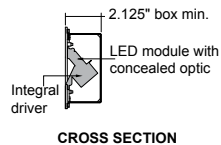
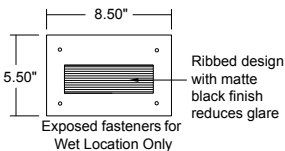
12INCH



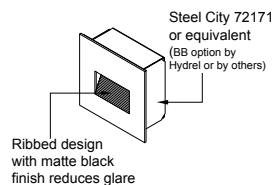
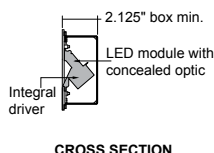
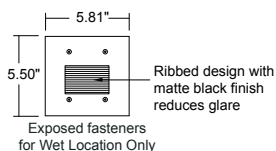
9INCH



6INCH



3INCH



LUMEN PACKAGES

Distribution	Delivered Lumens	Input Watts	Lumens/Watt
3INCH	87	3	29
6INCH	194	5	36
9INCH	299	8	37
12INCH	386	11	37

Performance data based upon 30K LED 80CRI

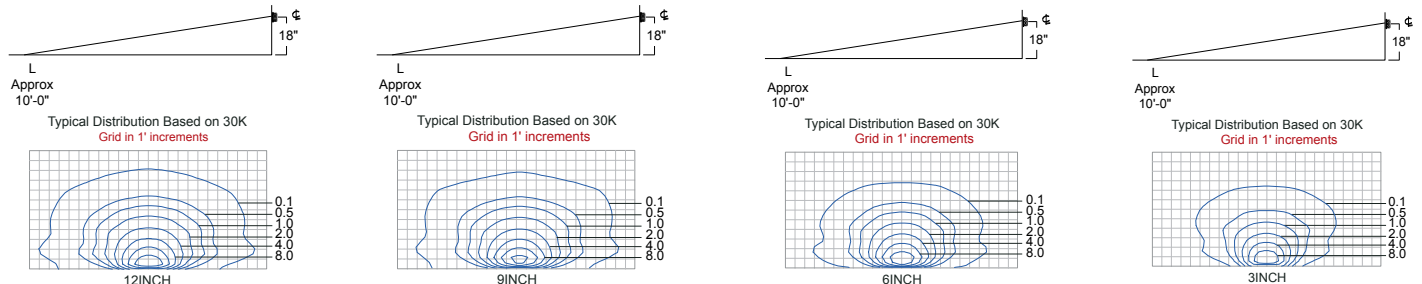
ORDERING INFORMATION

EXAMPLE: HSL13 3INCH LED 27K MVOLT L MIN5 BRB

Series*		Length*		Source*	Color Temperature*				Voltage*		Distribution*	
HSL13	Step Light 13	3INCH	3" Nominal Length	LED	27K	2700K	AMBLW	Amber Limited Wavelength 590nm	MVOLT	Multi-Volt 120V thru 277V	L	Long Throw
		6INCH	6" Nominal Length		30K	3000K						
		9INCH	9" Nominal Length		35K	3500K						
		12INCH	12" Nominal Length		40K	4000K						
					50K	5000K						
					BLU	Blue						
						GRN	Green					
						RED	Red					
						CYN	Cyan					
						RDO	Red-Orange					
Dimming Optional		OPTION			Finish*							
MIN5	Dimming Driver	BB	Back Box		BRB	Brushed Brass						
					BRSS	Brushed Stainless Steel						
					LBPS	Light Bronze Paint Smooth						
					POL	Polished Brass w/ High Gloss Clear						
					PSS	Polished Stainless Steel						
					SGB	Semi Gloss Black						
					SGW	Semi Gloss White						
					CF	Custom Finish						
					RALTBD	Ral Paint Finishes						
					Note:							
					RALTBD for pricing only, replace with applicable RAL call out when ready to order. See the RALBROCHURE for available options. It is recommended that Hydrel products only use textured paint.							

Note: * is a required field

PERFORMANCE DATA



Expected Life: Static White LED: L70 @ 60,000 hours
Static Color LED: L70 @ 60,000 hours

Lumen Multiplier Table for CCT

CCT	Multiplier
27K	0.963
30K	1.000
35K	1.218
40K	1.153
50K	1.208
AMBLW	0.338
RED	0.409
GREEN	0.702
BLUE	0.364

WIRING

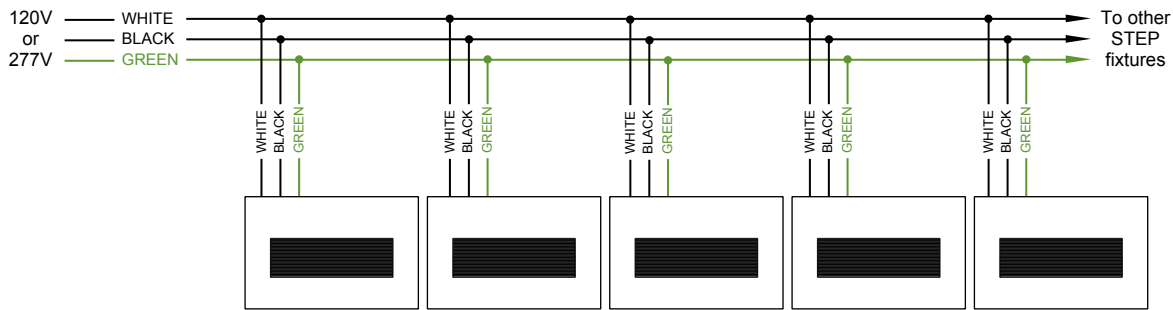
Read all instructions before installation. Do not make live connections!

NON-DIMMING INSTALLATIONS (For non-dimming, cap off the grey and purple wires separately)

Connect STEP WHITE wire to power NEUTRAL.

Connect STEP BLACK wire to power HOT.

Connect STEP GREEN wire to power GROUND.



DIMMING INSTALLATIONS

The integral dimming driver is designed to the 0-10V IEC dimming specification 60929 and is compatible with common 0-10V dimmers and dimming systems.

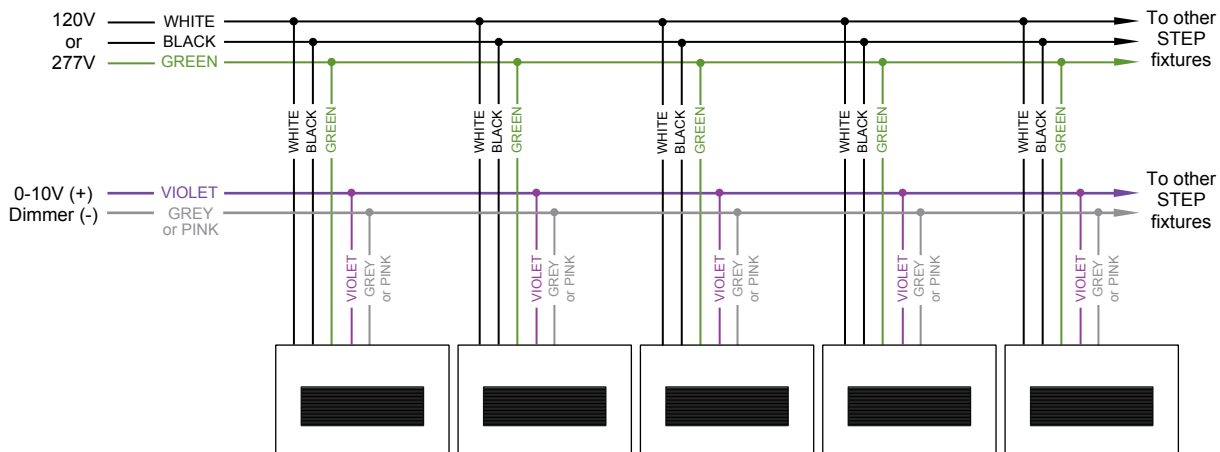
Do NOT connect line voltage to dimming input wires.

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Connect STEP VIOLET wire to POSITIVE INPUT of Dimming Control.

Connect STEP GREY or PINK wire to NEGATIVE INPUT of Dimming Control.



SPECIFICATIONS & FEATURES

Construction

Die-cast housing with solid aluminum, brass, or stainless steel faceplate.

Source

Light source consists of eight powerful LEDs available in five static white color temperatures/80CRI & six colored LED choices. All within a 3MacAdam ellipse

Optics

A concealed optic provides a long light distribution for illumination of large areas.

Electrical

Integral electronic driver for 120 through 277v/50-60Hz input. Standard 0-10V dimming to 5%. THD: <20%. PFC: > 0.90. Complies to FCC CFR Title 47 Part 15, Class B at 120v and Class A at 277v EMI noise rating.

Mounting

HSL13 3LONG: Designed to mount to a Steel City 72171 square junction box (BB option from Hydrel or by others) or equivalent.
HSL13 6LONG: Designed to mount to a Steel City 4G4D multi-gang junction box (BB option from Hydrel or by others) or equivalent.
HSL13 9LONG: Designed to mount to a Steel City H4BD multi-gang junction box (BB option from Hydrel or by others) or equivalent.
HSL13 12LONG: Designed to mount to a Steel City H6BD multi-gang junction box (BB option from Hydrel or by others) or equivalent.

Lens

Extruded clear acrylic optic lens concealed in reflector housing

Circuiting

Single circuit

Environment

Wet location.

Government Procurement

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/resources/buy-american for additional information.

Listing

c UL us (for the North American Market, US & Canada)

Finish

Recessed surfaces have a ribbed design with matte black finish to reduce glare. Faceplates are available in four metal finishes with protective clear coat or one of four polyester powder coat painted finishes.

Warranty

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:

www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

REV.	ALTERATION	DATE	BY

LUMINAIRE SPECIFICATIONS

CATALOGUE NO.: K56-C-K13-LAR-V-100(MOG)
 MH-120V:277-#6-BK

QUANTITY: 6

LANTERN TYPE: CLEVELAND (WITHOUT SPURS)

OPTICAL SYSTEM: LOUVRE ACRYLIC RIPPLED

IES CLASS.: TYPE V

WATTAGE: 100

POLE ADAPTOR: K13

LIGHT SOURCE: METAL HALIDE

LINE VOLTAGE: 120V

PAINT: TEXTURED BLACK

OPTIONS: C/W #6 FINIAL

POLE SPECIFICATIONS

CATALOGUE NO.: KM19-FF-A-10-5.5-0.091

QUANTITY: 6

POLE HEIGHT: 10' 0"

POLE TOP DIA.: 4 1/2"

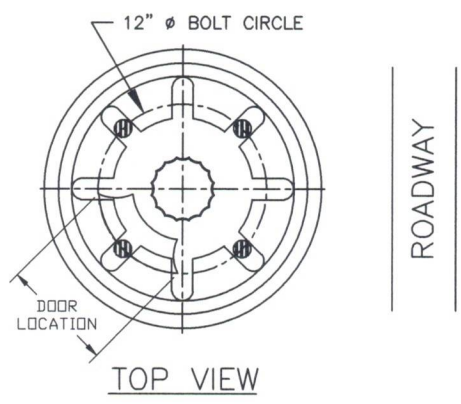
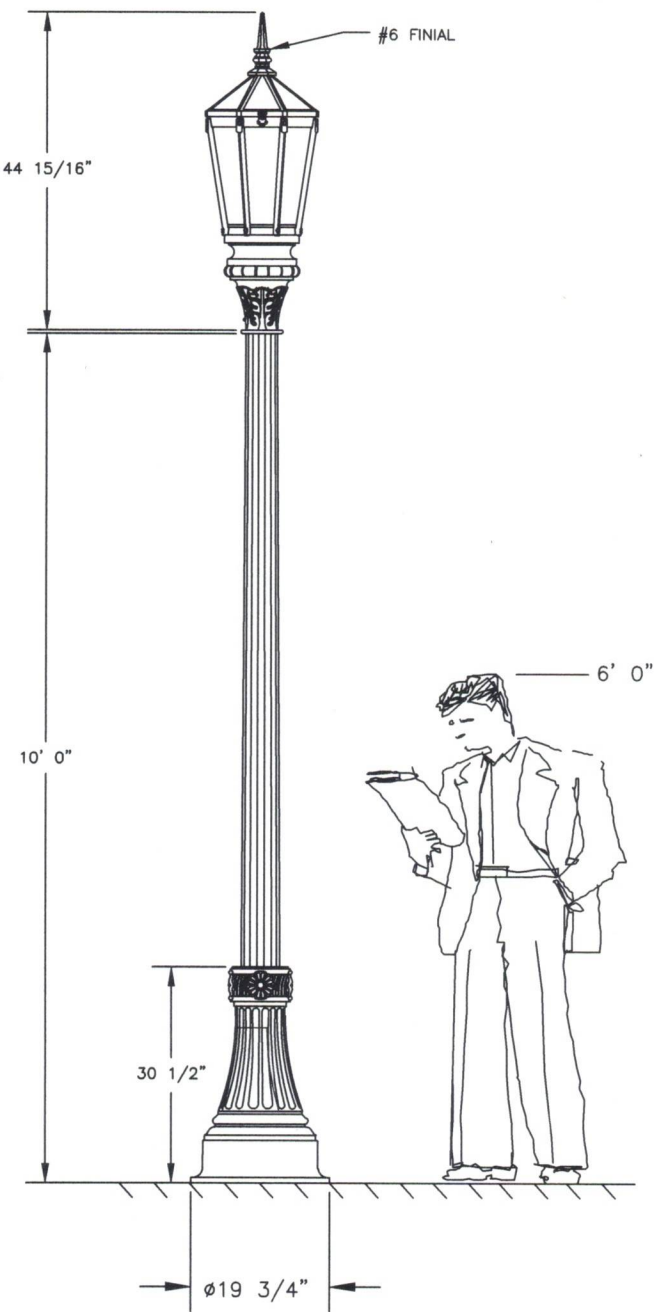
POLE WEIGHT: 16.5 lbs.

BOLT CIRCLE: 12" Ø

BOLT PROJ.: 4" HIGH

PAINT: TEXTURED BLACK

ANCHOR BOLTS: 1" X 36"L

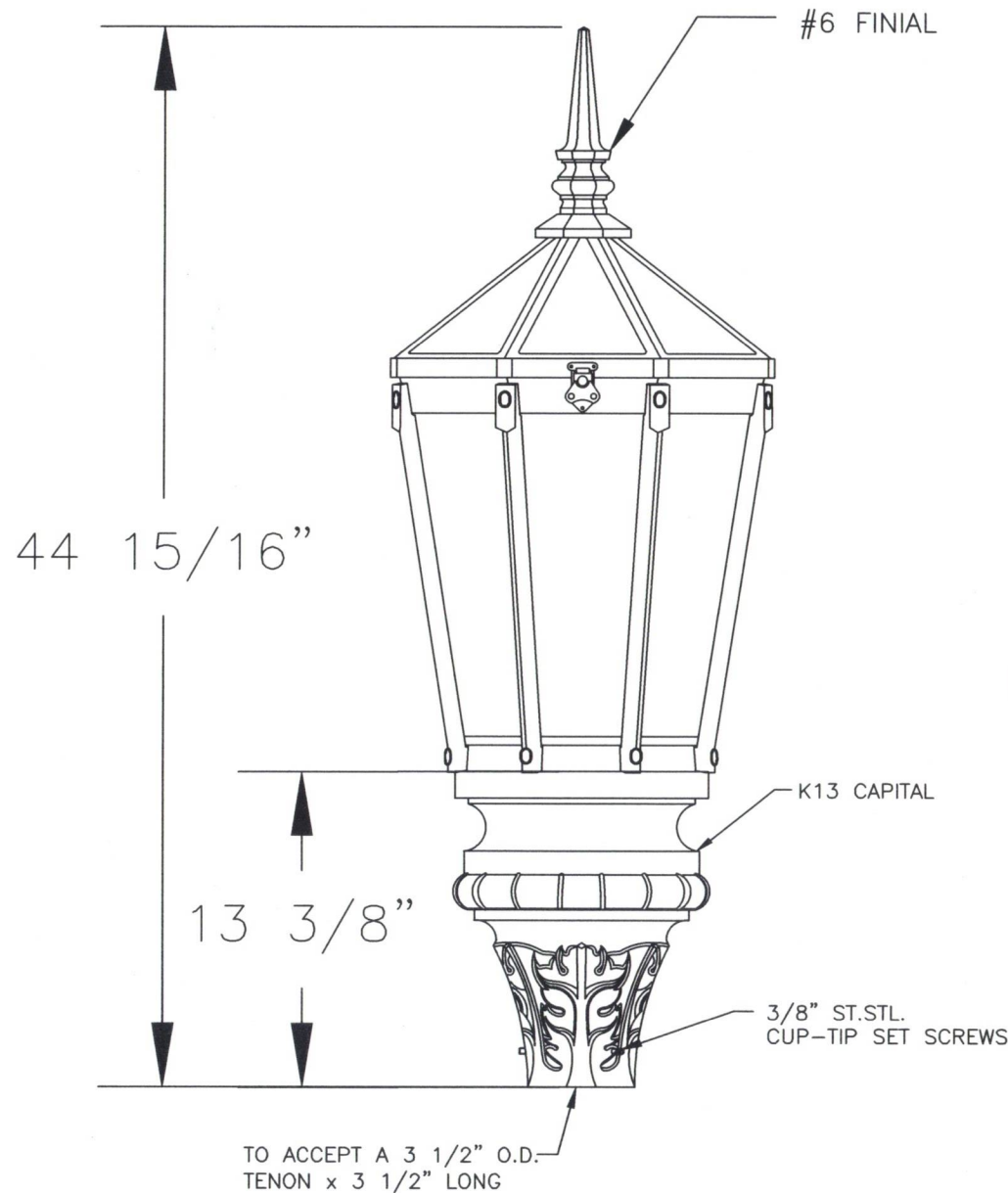


Notes:
 Although rare, oscillating loads severe enough to cause damage can occasionally occur in structures of all types. Because they are influenced by many factors not provided to StressCrete, these loads are unpredictable. The users maintenance program should include observation for excessive vibration & examination for any structural damage. The StressCrete warranty specifically excludes fatigue failure or similar phenomena resulting from induced vibration, oscillation or resonance associated with the eccentric rotation of attached equipment.

CUSTOMER APPROVAL & DATE: *[Signature]* 7-28-23

 King Luminaire • StressCrete • Est. 1953		Manufacturing Locations: Burlington, Ontario 1-800-268-7809 Northport, Alabama 1-800-435-6563 Atchison, Kansas 1-800-837-1024 Jefferson, Ohio 1-800-268-7809	
STRESSCRETE GROUP			
PROJECT/CUSTOMER: MORGAN PARKING LOT			
DRAWN BY: A.Z.	AT: SC1	CHECKED BY:	DATE: 07/21/23
CUSTOMER ORDER No: 5939852AKR		REVISION:	
STRESSCRETE ORDER No: SC3-2307043		DRAWING NUMBER: SC3-2307043-1	
DRAWING TYPE: APPROVAL DWG.		DRAWING NUMBER: SC3-2307043-1	

REV.	ALTERATION	DATE	BY
A	"MOG SOCKET ONLY" NOTE ADDED	08/01/23	A.Z.



LUMINAIRE SPECIFICATIONS

CATALOGUE NO.: K56-C-K13-LAR-V-100(MOG)
MH-120V-#6-BK

QUANTITY: 6
LANTERN TYPE: CLEVELAND (WITHOUT SPURS)
OPTICAL SYSTEM: LOUVRE ACRYLIC RIPPLED
IES CLASS.: TYPE V
WATTAGE: 100W
POLE ADAPTOR: K13
LIGHT SOURCE: METAL HALIDE
LINE VOLTAGE: 120:277V
PAINT: TEXTURED BLACK
C/W #6 FINIAL
NOTE: MOG SOCKET ONLY

LAMP BY OTHERS

CUSTOMER APPROVAL & DATE: *JD 8-1-23*



King Luminaire • Stresscrete • Est. 1953

STRESSCRETE
GROUP

Manufacturing Locations:

Burlington, Ontario 1-800-268-7809

Northport, Alabama 1-800-435-6563

Atchison, Kansas 1-800-837-1024

Jefferson, Ohio 1-800-268-7809

PROJECT/CUSTOMER:

MORGAN PARKING LOT

CUSTOMER ORDER No:
5939852AKR

STRESSCRETE ORDER No
SC3-2307043

DRAWN BY: A.Z.	AT: SC1	CHECKED BY:	DATE: 07/21/23	REVISION: A
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DRAWING TYPE: APPROVAL DWG.	DRAWING NUMBER: SC3-2307043-2
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