Iris

4-inch Square

LED Downlight & Wall Washer

COOPER
Lighting Solutions

Iris.
Truly the superior choice.

Innovative, thoughtfully designed products

Iris products are definitely not run-of-the-mill and they are not intended for just any space. We offer prestige products that truly showcase architectural details, functional space, artwork, interior design, or whatever feature is important to you or your client. Iris empowers you to achieve your most daring designs, allowing you to take your space to the next level.

Built by lighting designers
## for lighting designers

We listen to our customers and develop IRiS products based on the feedback they provide. Using only the finest quality materials, finishes, and electrical and optical components, Iris products are designed to be adaptable. Housing platforms adapt to nearly all ceiling types and construction practices, and most are offered in both insulated and non-insulated versions.

Square aperture
LED lighting system

Iris offers a complete vocabulary of square aperture luminaires suitable for residential or commercial construction.

These carefully designed lighting instruments provide a timeless form that seamlessly integrates with contemporary architecture without sacrificing lighting performance.

Our 4-inch square aperture luminaire utilizes a field replaceable lamp module for an incredibly flexible product that can be reconfigured and relamped from above or below the ceiling during or after the construction process. In addition, Iris square aperture fixtures are modular, consisting of a housing platform, lamp module and optical element that can be changed anytime as your design changes.

Platform

Module
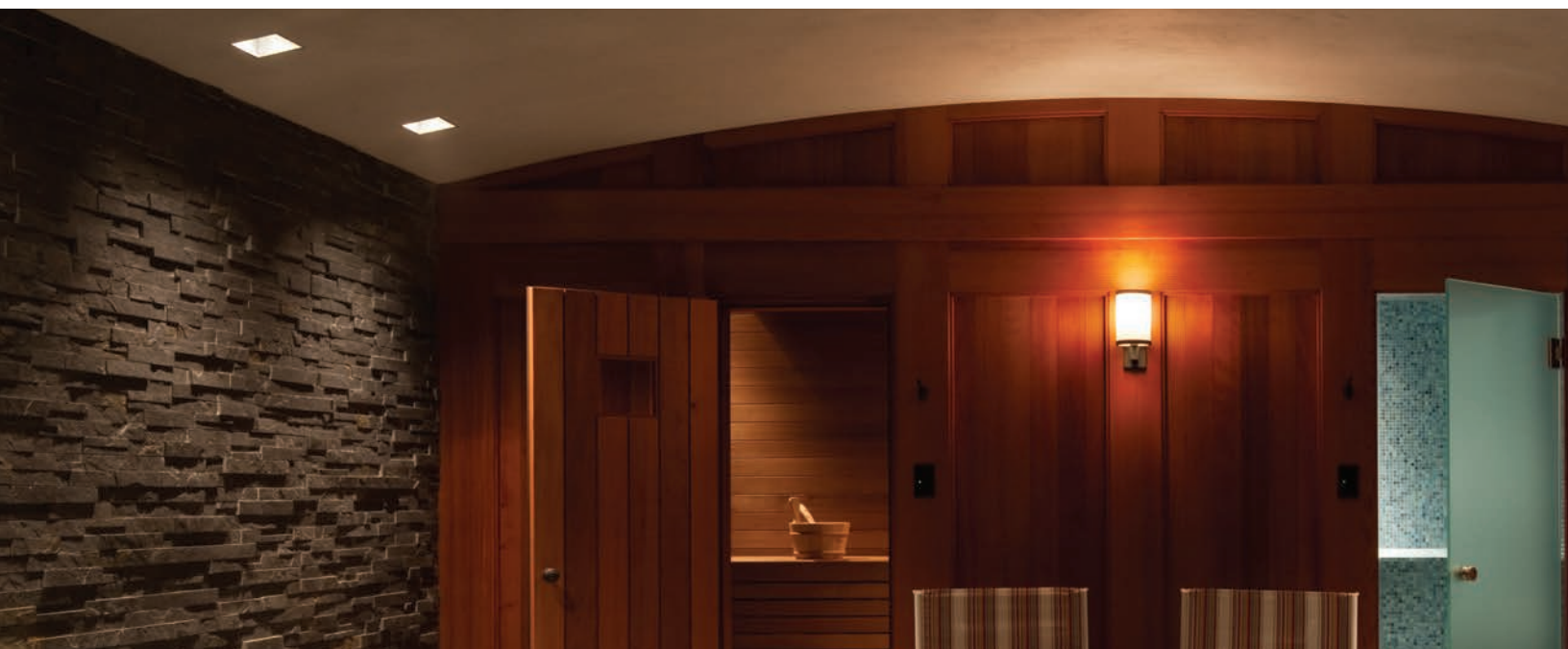
Element

Optical elements

The E4 family of optical elements are available in a broad range of finish options and flange styles suiting virtually any décor such as retail, hospitality, professional offices,healthcare and residential spaces.

Die formed reflectors

The open and lens parabolic shielding reflectors and lens wall washer are die formed from high purity aluminum sheet and can be anodized using the Alzak® process in semi-specular and specular finishes. The standard die cast trim ring is available in various finishes or can be removed and faux finished to match any decor. The self-flanged (SF) option can match the reflector finish or can be specified with matte white flange (SFWF). All of the optical elements can be installed rimless (RL) using the optional RA4X4 rimless adapter for a quiet ceiling appearance.
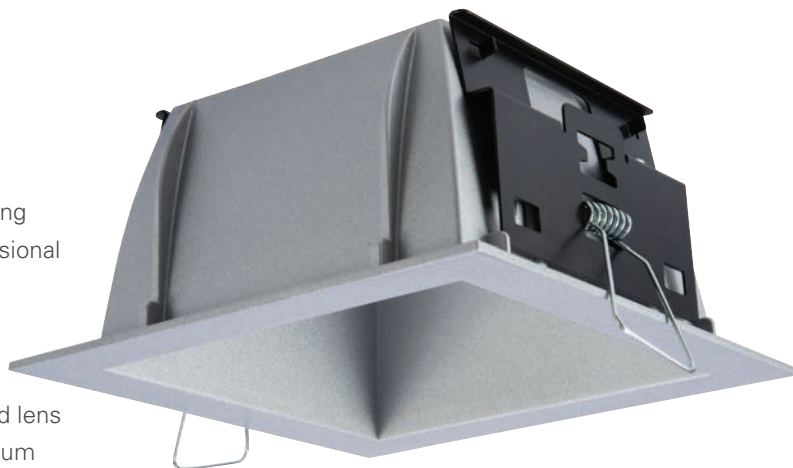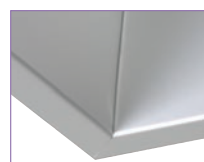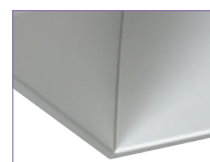
STD   SF   RL

Die cast reflectors

Iris now offers a range of die cast aluminum parabolic reflectors that are seamless and provide for source and source image cutoff. The E4DC open parabolic, E4DCSR lens parabolic, E4SL shallow lens and E4LWC lens wall wash are available in various painted finishes and flange styles including self-flanged and rimless.
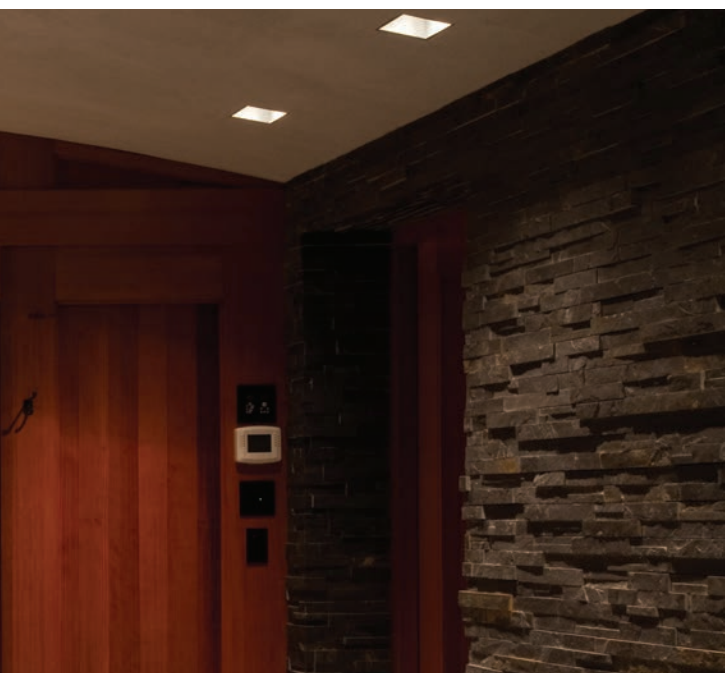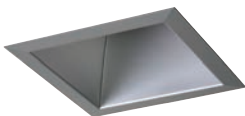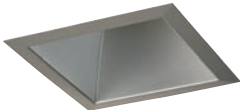
E4DC   E4DCSR
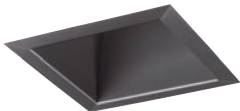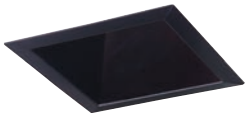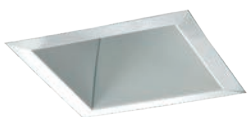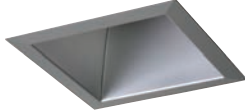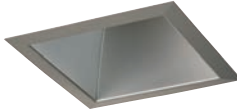
E4SL   E4LWC

Reflector finishes

Iris offers many finish choices giving you the ability to match any color scheme imagined. The use of finish multipliers to adjust our published photometrics allows for accurate prediction of the installed performance of our fixtures.

Specular Alzak® Reflector Finishes		DESCRIPTION
Clear Low Iridescent (LI)		A clear specular Alzak® finish which delivers full light output with low iridescence.
Gold (G)		A Gold specular Alzak® finish with champagne tones.
Wheat (WH)		A robust Gold specular Alzak® finish that adds significant warmth.
Cognac (K)		A warm Copper color in a specular Alzak® finish. A good choice for wood ceilings or anywhere that a rich look is diesired. Similar to 'Bronze' by other manufacturers.
Chocolate (CC)		A warm dark color similar to architectural Bronze in a specular Alzak® finish.
Graphite (GP)		A gun metal Gray in a specular Alzak® finish. An alternative for Black Alzak® and does not show dust as much.
Black (B)		A specular Alzak® finish providing maximum aperture darkness.
Gloss White (W)		Painted White finish for a neutral daytime ceiling look.

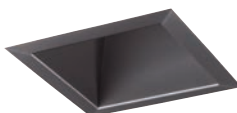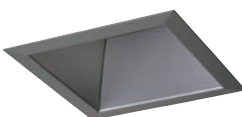| Semi-Specular Alzak® Reflector Finishes		DESCRIPTION
Clear Haze (H)		A clear semi-specular Alzak® finish to provide visual identity.
Warm Haze (WMH)		A semi-specular Alzak® finish with a hint of Gold to provide visual warmth.
Wheat Haze (WHH)		A robust Gold semi-specular Alzak® finish that adds significant warmth.
Cognac Haze (KH)		A warm Copper color in a semi-specular Alzak® finish.
Chocolate Haze (CCH)		A warm dark color similar to architectural Bronze in a semi-specular Alzak® finish.
Graphite Haze (GPH)		A gun metal Gray in a semi-specular Alzak® finish.
Matte White (MW)		Painted diffuse White finish for a neutral daytime ceiling look.
Matte Black (MB)		Painted diffuse Black finish for maximum aperture darkness.
Matte Metallic Silver (MMS)		Painted metallic Silver finish to provide visual identity.

Product matrix

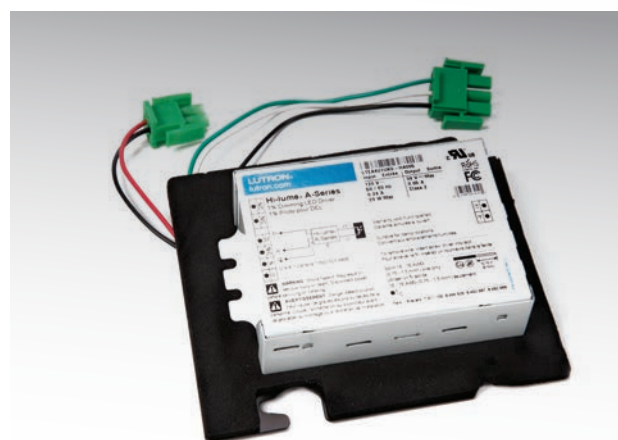| OPTICAL ELEMENTS		PLATFORM	LAMP MODULE	
4-Inch Square Downlight Reflector E4DL / E4DC		P406TAT, P406TCP	MH4LED15xxxxE, MH4LED15xxxx1ELTE MH4LED20xxxxE, MH4LED20xxxx1ELTE MH4LED33xxxx1ELTE	
		P408ICAT	MH4LED15xxxxE, MH4LED15xxxx1ELTE MH4LED20xxxxE, MH4LED20xxxx1ELTE	
		PN4LED	None	
4-Inch Square Lens Downlight Reflector E4DLSR / E4DCSR		P406TAT, P406TCP	MH4LED15xxxxE, MH4LED15xxxx1ELTE MH4LED20xxxxE, MH4LED20xxxx1ELTE MH4LED33xxxx1ELTE	
		P408ICAT	MH4LED15xxxxE, MH4LED15xxxx1ELTE MH4LED20xxxxE, MH4LED20xxxx1ELTE	
		PN4LED	None	
4-Inch Square Shallow Lens Downlight E4SL		P406TAT, P406TCP	MH4LED15xxxxE, MH4LED15xxxx1ELTE MH4LED20xxxxE, MH4LED20xxxx1ELTE MH4LED33xxxx1ELTE	
		P408ICAT	MH4LED15xxxxE, MH4LED15xxxx1ELTE MH4LED20xxxxE, MH4LED20xxxx1ELTE	
		PN4LED	None	
4-Inch Square Lens Wall Wash E4LWW / E4LWC		P406TAT, P406TCP	MH4LED15xxxxE, MH4LED15xxxx1ELTE MH4LED20xxxxE, MH4LED20xxxx1ELTE MH4LED33xxxx1ELTE	
		P408ICAT	MH4LED15xxxxE, MH4LED15xxxx1ELTE MH4LED20xxxxE, MH4LED20xxxx1ELTE	
		PN4LED	None	

Lamp module

The MH4LED lamp module consists of an integrated optical assembly, LED array, thermal management structure and driver. The segmented upper reflector with glass mixing sphere provides excellent color quality and uniformity, replacing the punch and sparkle of A-Line halogen. The module can be installed from below the ceiling or through top access. Use for new construction with the modular P4 housing platforms or to retrofit existing tungsten-halogen, compact fluorescent or ceramic metal halide lamp modules installed in the field.

Features

- Available with Bridgelux or Xicato LED arrays
- 90, 95 and 97 (min) CRI
- 2700, 3000, 3500 and 4000 K CCT
- Future-proofed, Zhaga book 3 certified luminaire supports field replacement of LED arrays
- Two-wire 1% dimming control options

DELIVERED PERFORMACE		V927	V930	V935	V940	D927	D930	A927	A930
	CRI (Min)	90	90	90	90	97	97	95	95
	R9 (Min)	50	50	50	50	95	95	90	90
	CCT (K5)	2700	3000	3500	4000	2700	3000	2700	3000
	SDCM				2-Step				
	Life (L70)			50,000 Hours				40,000 Hours	
	LPW*	54	57	63	70	43	47	43	46
Lumens	15W	775	822	902	1015	614	672	615	656
	20W	1051	1116	1224	1376	833	912	835	890
	33W	1710	1781	1879	2198	1279	1400	1282	1366

Performance data based on goniometer measurements with 'E' driver option and E4DCMW lower shielding reflector.
*LPW based on 15W and 'E' driver option.

Housing Platform + Lamp Module + Optical Element = Complete Fixture

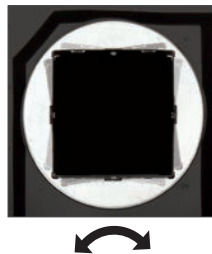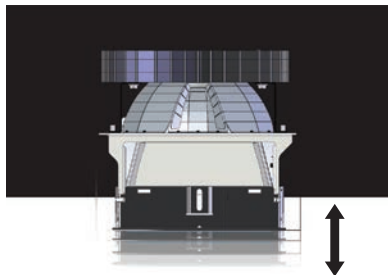| LAMP MODULE	WATTAGE	LIGHT ENGINE	DRIVER
MH4LED=4"square LED Module	**15**=15 Watts **20**=20 Watts **33**=33 Watts	**V927**=Bridgelux Vero Series, Zhaga certified, 90 CRI min, 2700 K CCT **V930**=Bridgelux Vero Series, Zhaga certified, 90 CRI min, 3000 K CCT **V935**=Bridgelux Vero Series, Zhaga certified, 90 CRI min, 3500 K CCT **V940**=Bridgelux Vero Series, Zhaga certified, 90 CRI min, 4000 K CCT **D927**=Bridgelux Décor Series, Zhaga certified, 97 CRI min, 2700 K CCT **D930**=Bridgelux Décor Series, Zhaga certified, 97 CRI min, 3000 K CCT **A927**=Xicato XTM Artist Series, Zhaga compatible, 95 CRI min, 2700 K CCT **A930**=Xicato XTM Artist Series, Zhaga compatible, 95 CRI min, 3000 K CCT	**E**=120 - 277V 50/60 Hz LE/TE phase cut dimming to 1% (dimming at 120Vinput only, available in 15 and 20 watt only) **1ELTE**=120V 60 Hz LE phase cut dimming to 1%, Lutron A-Series

Modular housing platforms

P408ICAT

Modular housing platforms

The P4 housing platforms are modular, allowing the luminaire to be configured in the field and adapting to the changing needs of the environment.
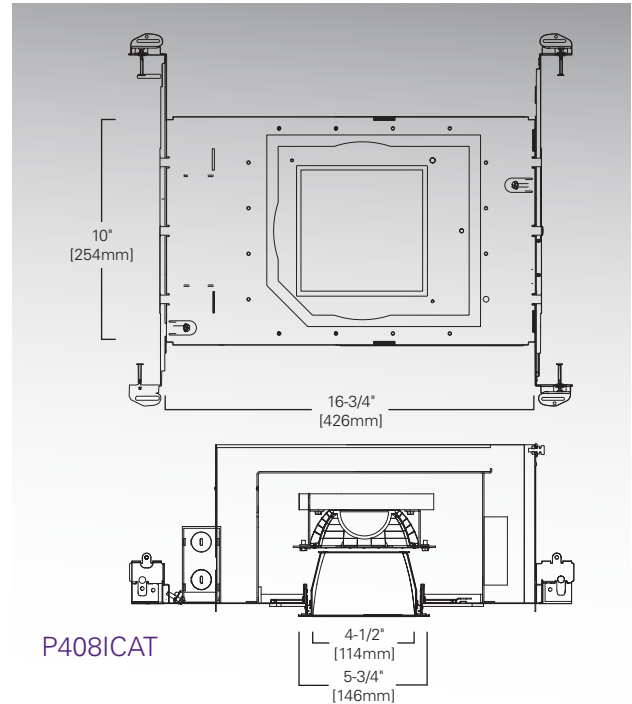
Features

- Bar hangers with integral nail extend from 8-1/2″ to 24″ wide, pass thru feature allows shortening without removal and integral tee grid clip simplifies housing installation

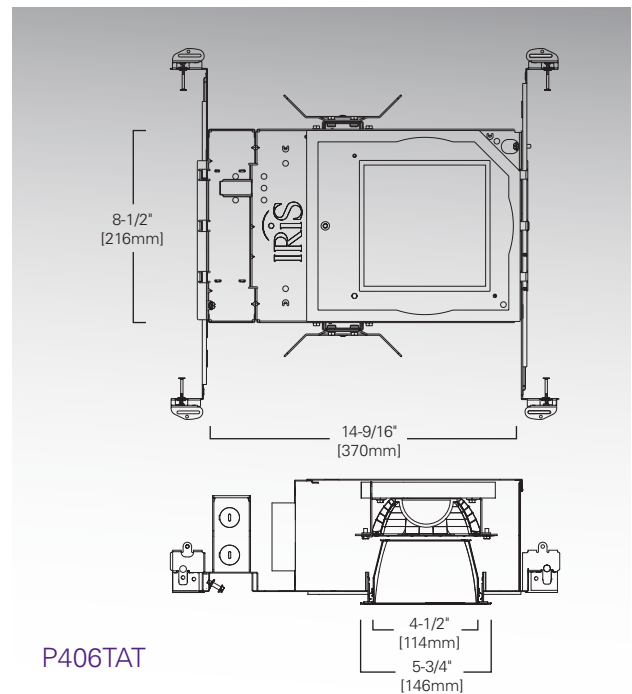- Collar rotates ± 7.5° and translates from ½″ to 2″ providing precise alignment to ceiling

P406TAT

Housing Platform + Lamp Module + Optical Element = Complete Fixture

PLATFORM	ACCESSORIES
P408ICAT= 4″ Square Housing Platform, IC, Airtight	**RA4X4** = Rimless adapter for 4″ housing platforms **EDC4X41** = Extended depth collar for 1″ - 1-1/2″ thick ceilings **L4X4HEX** = Matte black hex louver **For use with E4DL only** **EDC4X42** = Extended depth collar for 1-1/2″ - 1″ thick ceilings

Housing Platform + Lamp Module + Optical Element = Complete Fixture

PLATFORM	ACCESSORIES
P406TAT= 4″ Square Housing Platform, Non-IC, Airtight **P406TCP**= 4″ square housing platform, non-IC, CCEA listed for City of Chicago plenum requirements	**RA4X4** = Rimless adapter for 4″ housing platforms **EDC4X41** = Extended depth collar for 1″ - 1-1/2″ thick ceilings **L4X4HEX** = Matte black hex louver **For use with E4DL only** **EDC4X42** = Extended depth collar for 1-1/2″ - 1″ thick ceilings

Commercial housing platforms

The PN4 housing combines the features of the MH4LED lamp module pre-installed in a dedicated commercial housing.
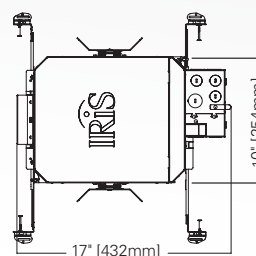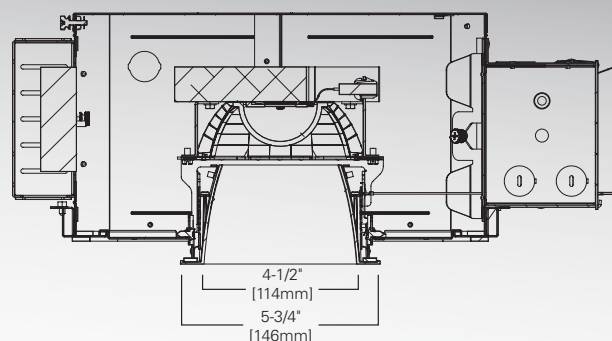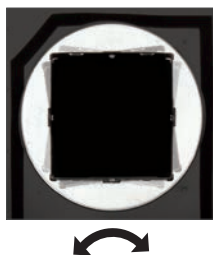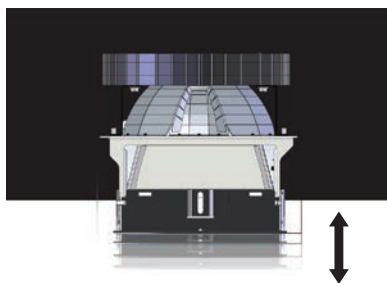
Light engine features

• Available with Bridgelux Vero LED arrays

• 80 and 90 (min) CRI

• 2700, 3000, 3500 and 4000 K CCT

• Future-proofed, Zhaga book 3 certified luminaire supports field replacement of LED arrays

• Supports a broad range of control protocols including two and three wire phase cut, 0 – 10V analog, DALI and DMX digital control, dimming typically less than 1% relative light levels

DELIVERED PERFORMACE		V827	V830	V835	V840	V927	V930	V935	V940
CRI (Min)		80	80	80	80	90	90	90	90
R9 (Min)		0	0	0	0	50	50	50	50
CCT (K5)		2700	3000	3500	4000	2700	3000	3500	4000
SDCM		2-Step							
Life (L70)		50,000 Hours							
LPW*		65	66	68	71	53	53	57	65
Lumens	15W	1056	1079	1111	1150	863	859	929	1063
	20W	1473	1506	1550	1605	1204	1199	1296	1483
	33W	2091	2138	2201	2279	1710	1703	1840	2105

*Performance data based on goniometer measurements with E010 driver option and E4DCMW lower shielding reflector.

Recessed 4" square aperture specification grade luminaire utilizing a field replaceable LED array conforming to Zhaga standards for interchangability. Optical elements may be changed after installation providing a variety of optical distributions. Housing is suitable for commercial installations and is airtight to prevent energy loss, room drafts, dust marks on the ceilings and reduces sound transmission. A complete luminare consists of a housing platform, lamp module and optical element. Use where high efficiency, excellent light control and low aperture brightness are demanded.

Housing features

- Emergency option with integral charge indicator and test switch provides 90 minutes of standby lighting meeting most life safety codes for egress lighting

- Bar hangers with integral nail extend from 8-1/2″ to 24″wide, pass thru feature allows shortening without removal and integral tee grid clip simplifies housing installation

- Butterfly mounting bracket adjusts 3″ vertically and accepts mounting bars or ½″ EMT

- Collar rotates ± 7.5° and translates from ½″ to 2″ providing precise alignment to ceiling

4-1/2" [114mm]
5-3/4" [146mm]

17" [432mm]
10" [254mm]
15W & 20W option

17-3/8" [442mm]
33W option
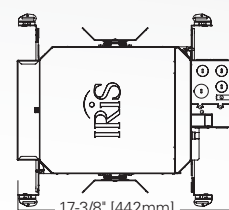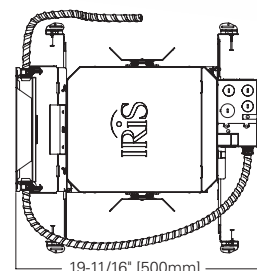
19-11/16" [500mm]
EM option

Housing Platform + Optical Element = Complete Fixture

LAMP MODULE	WATTAGE	LIGHT ENGINE	DRIVER	OPTIONS
PN4LED = 4″ square LED housing, non-IC, airtight **PN4LEDCP** = 4″ square LED housing, non-IC, CCEA listed for City of Chicago plenum requirements	**15**=15 Watts **20**=20 Watts **33**=33 Watts	**V827**=Bridgelux Vero Series, Zhaga certified, 80 CRI min, 2700 K CCT **V830**=Bridgelux Vero Series, Zhaga certified, 80 CRI min, 3000 K CCT **V835**=Bridgelux Vero Series, Zhaga certified, 80 CRI min, 3500 K CCT **V840**=Bridgelux Vero Series, Zhaga certified, 80 CRI min, 4000 K CCT **V927**=Bridgelux Vero Series, Zhaga certified, 90 CRI min, 2700 K CCT **V930**=Bridgelux Vero Series, Zhaga certified, 90 CRI min, 3000 K CCT **V935**=Bridgelux Vero Series, Zhaga certified, 90 CRI min, 3500 K CCT **V940**=Bridgelux Vero Series, Zhaga certified, 90 CRI min, 4000 K CCT	**E010**=120 – 277V 50/60Hz 0-10V analog 1% dimming **E5LT**=120 – 277V 50/60Hz DALI 1% dimming **EDMX**=120 – 277V 50/60Hz DMX 1% dimming **1ELTE**=120V 60Hz leading edge 1% dimming, Lutron A-Series **EL3D**=120 – 277V 50/60Hz 3-wire and EcoSystem 1% dimming, Lutron A-Series	**IEM=**Emergency battery pack with integral test switch (15W and 20W only)

Lighting Product Lines
Ametrix
AtLite
Corelite
Ephesus
Fail-Safe
HALO
HALO Commercial
Invue
io
IRiS
Lumark
Lumière
McGraw-Edison
Metalux
MWS
Neo-Ray
Portfolio
RSA
Shaper
Streetworks
Sure-Lites

Controls Product Lines
Greengate

Connected Lighting Systems
Fifth Light (Canada Only)
HALO Home
WaveLinx

IoT Platform
Trellix