

PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

CENTRIQ ROUND ADJUSTABLE RECESSED

A35974-

base number	Color Temperature	Finishes (Diamond)	Finishes (Triangle)	Lens Options
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- To build a product code in our configurator select the specify button on the base model # product page
- To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Centriq
Subseries: Centriq Round Adjustable
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Spots

PHYSICAL

Shape: Cylinder
Diameter (mm): 120
Diameter (in): 4 3/4
Height (mm): 105
Height (in): 4 1/8
Min. Recessing Depth (mm): 120
Min. Recessing Depth (in): 4 3/4
Light Distribution: Adjustable / Direct
Weight (kg): 0.649
Diffuser: Lens Pack - No Lens / Opal / Linear Spread Lens / Honeycomb / Spread Lens
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR
Fixture Material: Aluminum
Cut-out Measurements: Dia. 112mm / 4 7/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 20.5
Total Output Wattage (W): 18.1
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: Yes
Driver Location: Recessed Housing
Driver Type: Constant Current - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Constant Current (MA): 500

LED

Color Temperature (*K): 2700 / 3000 / 3500 / 4000
Max. Delivered Lumen (lm): 1432 / 1542 / 1432 / 1636
Nominal Lumen (lm): 1668 / 1797 / 1868 / 1907
CRI: >90 CRI
Lamp Life (hrs): 50000

OPTICAL

Reflector°: 10
Adjustability: Rotational 350°; Tilt 90°

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards
IP rating: IP20



CENTRIQ ROUND ADJUSTABLE RECESSED

A35974-

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____



CENTRIQ ROUND ADJUSTABLE RECESSED

A35975-

base number Color Finishes Finishes Lens Reflector
 Temperature (Diamond) (Triangle) Options Options

- To build a product code in our configurator select the specify button on the base model # product page
- To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Centriq
 Subseries: Centriq Round Adjustable
 Brand: Prolicht
 Division: Architectural
 Mounting Type: Recessed
 Mounting Location: Ceiling
 Subcategory: Spots

PHYSICAL

Shape: Cylinder
 Diameter (mm): 120
 Diameter (in): 4 ¾
 Height (mm): 105
 Height (in): 4 ⅛
 Min. Recessing Depth (mm): 120
 Min. Recessing Depth (in): 4 ¾
 Light Distribution: Adjustable / Direct
 Weight (kg): 0.649
 Diffuser: Lens Pack - No Lens / Opal / Linear Spread Lens / Honeycomb / Spread Lens
 Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR
 Fixture Material: Aluminum
 Cut-out Measurements: Dia. 112mm / 4 7/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)
 Input Wattage (W): 27.3
 Total Output Wattage (W): 24.5
 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
 Driver Included: Yes
 Driver Location: Recessed Housing
 Driver Type: Constant Current - Universal
 Driver Class: Class 2
 Input Voltage (V): 120 - 277
 Constant Current (MA): 700

LED

Color Temperature (*K): 2700 / 3000 / 3500 / 4000
 Max. Delivered Lumen (lm): 2348 / 2444 / 2549 / 2669
 Nominal Lumen (lm): 2788 / 2903 / 3027 / 3170
 CRI: >90 CRI
 Lamp Life (hrs): 50000

OPTICAL

Reflector°: 20 / 32 / 54
 Adjustability: Rotational 350°; Tilt 90°

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards
 IP rating: IP20



CENTRIQ ROUND ADJUSTABLE RECESSED

A35975-

PROJECT	_____
TYPE	_____
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PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

CENTRIQ ROUND ADJUSTABLE RECESSED

A35976-

base number	Color Temperature	Finishes (Diamond)	Finishes (Triangle)	Lens Options	Reflector Options
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- To build a product code in our configurator select the specify button on the base model # product page
- To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Centriq
 Subseries: Centriq Round Adjustable
 Brand: Prolicht
 Division: Architectural
 Mounting Type: Recessed
 Mounting Location: Ceiling
 Subcategory: Spots

PHYSICAL

Shape: Cylinder
 Diameter (mm): 120
 Diameter (in): 4 3/4
 Height (mm): 105
 Height (in): 4 1/8
 Min. Recessing Depth (mm): 120
 Min. Recessing Depth (in): 4 3/4
 Light Distribution: Adjustable / Direct
 Weight (kg): 0.651
 Diffuser: Lens Pack - No Lens / Opal / Linear Spread Lens / Honeycomb / Spread Lens
 Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR
 Fixture Material: Aluminum
 Cut-out Measurements: Dia. 112mm / 4 7/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)
 Input Wattage (W): 34
 Total Output Wattage (W): 30.9
 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
 Driver Included: Yes
 Driver Location: Recessed Housing
 Driver Type: Constant Current - Universal
 Driver Class: Class 2
 Input Voltage (V): 120 - 277
 Constant Current (MA): 900

LED

Color Temperature (*K): 2700 / 3000 / 3500 / 4000
 Max. Delivered Lumen (lm): 3148 / 3355 / 3406 / 3524
 Nominal Lumen (lm): 3921 / 4177 / 4242 / 4389
 CRI: >90 CRI
 Lamp Life (hrs): 50000

OPTICAL

Reflector°: 24 / 36 / 54
 Adjustability: Rotational 350° / Tilt 25°

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards
 IP rating: IP20



CENTRIQ ROUND ADJUSTABLE RECESSED

A35976-

PROJECT	_____
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PROJECT	_____
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SPECIFIER	_____
QUANTITY	_____
DATE	_____

CENTRIQ ROUND FLEX ADJUSTABLE RECESSED

A35980-

base number Color Finishes Finishes Beam Angle
 Temperature (Diamond) (Triangle) Options

- To build a product code in our configurator select the specify button on the base model # product page
- To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Centriq
 Subseries: Centriq Round Flex Adjustable
 Brand: Prolicht
 Division: Architectural
 Mounting Type: Recessed
 Mounting Location: Ceiling
 Subcategory: Spots

PHYSICAL

Shape: Cylinder
 Diameter (mm): 120
 Diameter (in): 4 ¾
 Height (mm): 105
 Height (in): 4 ¼
 Min. Recessing Depth (mm): 120
 Min. Recessing Depth (in): 4 ¾
 Light Distribution: Adjustable / Direct
 Weight (kg): 0.666
 Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR
 Fixture Material: Aluminum
 Cut-out Measurements: Dia. 112mm / 4 7/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)
 Input Wattage (W): 20.5
 Total Output Wattage (W): 18.1
 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
 Driver Included: Yes
 Driver Location: Recessed Housing
 Driver Type: Constant Current - Universal
 Driver Class: Class 2
 Housing: ENCP 3
 Input Voltage (V): 120 - 277
 Constant Current (MA): 500

LED

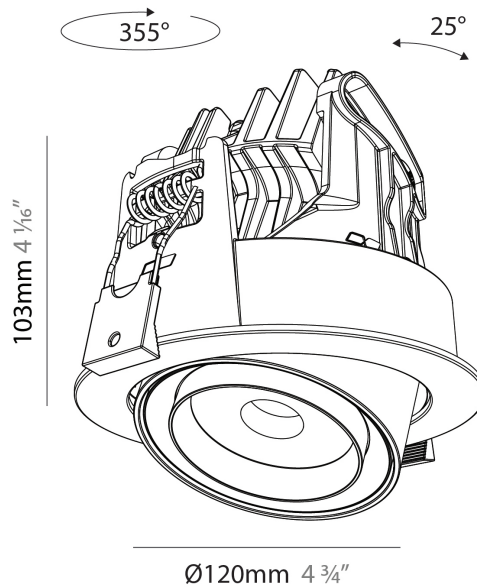
Color Temperature (°K): 2700 / 3000 / 3500 / 4000
 Max. Delivered Lumen (lm): 1201 / 1294 / 1346 / 1373
 Nominal Lumen (lm): 1668 / 1797 / 1869 / 1907
 CRI: >90 CRI
 Lamp Life (hrs): 50000

OPTICAL

Beam Angle: 18 - 46
 Adjustability: Rotational 350° / Tilt 25°

RATINGS AND CERTIFICATIONS

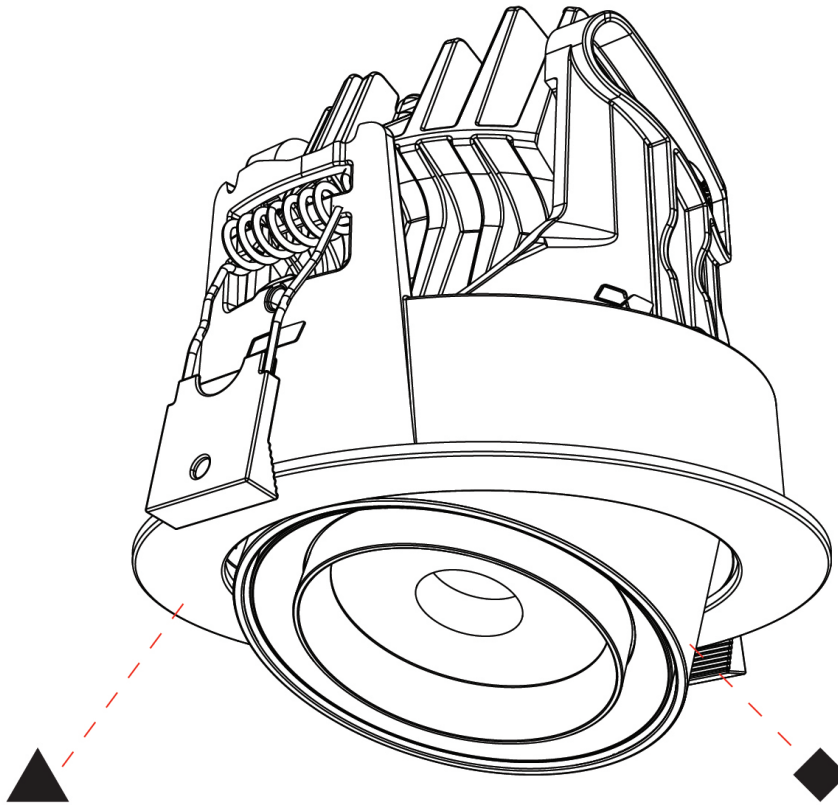
Certified By: CSA Certified to UL and CSA Standards
 IP rating: IP20



CENTRIQ ROUND FLEX ADJUSTABLE RECESSED

A35980-

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____



CENTRIQ SQUARE ADJUSTABLE RECESSED

A35982-

base number Color Finishes Finishes Lens
 Temperature (Diamond) (Triangle) Options

- To build a product code in our configurator select the specify button on the base model # product page
- To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Centriq
 Subseries: Centriq Square Adjustable
 Brand: Prolicht
 Division: Architectural
 Mounting Type: Recessed
 Mounting Location: Ceiling
 Subcategory: Spots

PHYSICAL

Shape: Cylinder
 Diameter (mm): 120
 Diameter (in): 4 ¾
 Length (mm): 120
 Length (in): 4 ¾
 Height (mm): 105
 Height (in): 4 ⅙
 Min. Recessing Depth (mm): 120
 Min. Recessing Depth (in): 4 ¾
 Light Distribution: Adjustable / Direct
 Weight (kg): 0.665
 Diffuser: Lens Pack - No Lens / Opal / Linear Spread Lens / Honeycomb / Spread Lens
 Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR
 Fixture Material: Aluminum
 Cut-out Measurements: Dia. 112mm / 4 7/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)
 Input Wattage (W): 20.5
 Total Output Wattage (W): 18.1
 Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
 Driver Included: Yes
 Driver Location: Recessed Housing
 Driver Type: Constant Current - Universal
 Driver Class: Class 2
 Input Voltage (V): 120 - 277
 Constant Current (MA): 500

LED

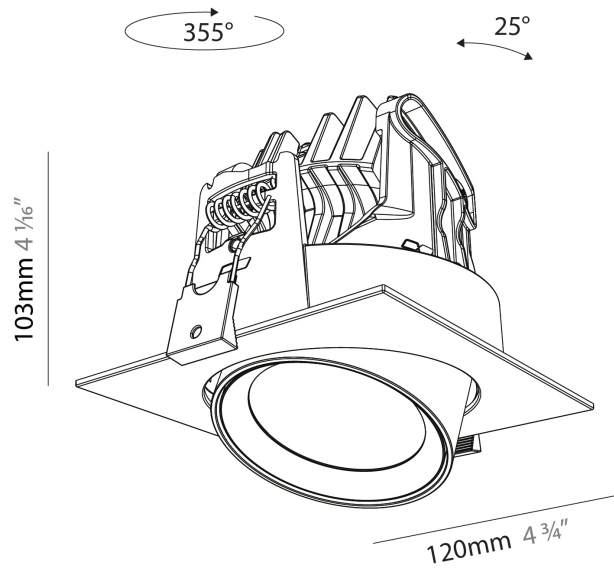
Color Temperature (°K): 2700 / 3000 / 3500 / 4000
 Max. Delivered Lumen (lm): 1432 / 1542 / 1432 / 1636
 Nominal Lumen (lm): 1668 / 1797 / 1668 / 1907
 CRI: >90 CRI
 Lamp Life (hrs): 50000

OPTICAL

Reflector: 10
 Adjustability: Rotational 350° / Tilt 25°

RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards
 IP rating: IP20



CENTRIQ SQUARE ADJUSTABLE RECESSED

A35982-

PROJECT

TYPE

SPECIFIER

QUANTITY

DATE



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PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____

CENTRIQ SQUARE ADJUSTABLE RECESSED

A35983-

base number	Color Temperature	Finishes (Diamond)	Finishes (Triangle)	Lens Options	Beam Angle Options
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- To build a product code in our configurator select the specify button on the base model # product page
- To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Centriq
Subseries: Centriq Square Adjustable
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Spots

PHYSICAL

Shape: Cylinder
Diameter (mm): 120
Diameter (in): 4 3/4
Length (mm): 120
Length (in): 4 3/4
Height (mm): 105
Height (in): 4 1/8
Min. Recessing Depth (mm): 120
Min. Recessing Depth (in): 4 3/4
Light Distribution: Adjustable / Direct
Weight (kg): 0.665
Diffuser: Lens Pack - No Lens / Opal / Linear Spread Lens / Honeycomb / Spread Lens
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR
Fixture Material: Aluminum
Cut-out Measurements: Dia. 112mm / 4 7/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 27.3
Total Output Wattage (W): 24.5
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: Yes
Driver Location: Recessed Housing
Driver Type: Constant Current - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Constant Current (MA): 700

LED

Color Temperature (°K): 2700 / 3000 / 3500 / 4000
Max. Delivered Lumen (lm): 2434 / 2534 / 2643 / 2768
Nominal Lumen (lm): 2788 / 2903 / 3027 / 3170
CRI: >90 CRI
Lamp Life (hrs): 50000

OPTICAL

Reflector°: 20 / 32 / 54
Adjustability: Rotational 350° / Tilt 25°

RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards
IP rating: IP20



CENTRIQ SQUARE ADJUSTABLE RECESSED

A35983-

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____



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PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____

CENTRIQ SQUARE ADJUSTABLE RECESSED

A35984-

base number	Color Temperature	Finishes (Diamond)	Finishes (Triangle)	Lens Options	Beam Angle Options
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- To build a product code in our configurator select the specify button on the base model # product page
- To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Centriq
Subseries: Centriq Square Adjustable
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Spots

PHYSICAL

Shape: Cylinder
Diameter (mm): 120
Diameter (in): 4 3/4
Length (mm): 120
Length (in): 4 3/4
Height (mm): 105
Height (in): 4 1/8
Min. Recessing Depth (mm): 120
Min. Recessing Depth (in): 4 3/4
Light Distribution: Adjustable / Direct
Weight (kg): 0.665
Diffuser: Lens Pack - No Lens / Opal / Linear Spread Lens / Honeycomb / Spread Lens
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR
Fixture Material: Aluminum
Cut-out Measurements: Dia. 112mm / 4 7/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 34
Total Output Wattage (W): 30.9
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: Yes
Driver Location: Recessed Housing
Driver Type: Constant Current - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Constant Current (MA): 900

LED

Color Temperature (°K): 2700 / 3000 / 3500 / 4000
Max. Delivered Lumen (lm): 2434 / 2534 / 2643 / 2768
Nominal Lumen (lm): 2788 / 2903 / 3027 / 3170
CRI: >90 CRI
Lamp Life (hrs): 50000

OPTICAL

Reflector°: 24 / 36 / 54
Adjustability: Rotational 350° / Tilt 25°

RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards
IP rating: IP20



CENTRIQ SQUARE ADJUSTABLE RECESSED

A35984-

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____



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PROJECT
TYPE
SPECIFIER
QUANTITY
DATE

CENTRIQ SQUARE FLEX ADJUSTABLE RECESSED

A35986-

base number	Color Temperature	Finishes (Diamond)	Finishes (Triangle)	Beam Angle Options
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- To build a product code in our configurator select the specify button on the base model # product page
- To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Centriq
Subseries: Centriq Square Flex Adjustable
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Spots

PHYSICAL

Shape: Cylinder
Length (mm): 120
Length (in): 4 3/4
Width (mm): 120
Width (in): 4 3/4
Height (mm): 105
Height (in): 4 1/8
Min. Recessing Depth (mm): 120
Min. Recessing Depth (in): 4 3/4
Light Distribution: Adjustable / Direct
Weight (kg): 0.666
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR
Fixture Material: Aluminum
Cut-out Measurements: Dia. 112mm / 4 7/16"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 20.5
Total Output Wattage (W): 18.1
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: Yes
Driver Location: Recessed Housing
Driver Type: Constant Current - Universal
Driver Class: Class 2
Housing: ENCP3
Input Voltage (V): 120 - 277
Constant Current (MA): 500

LED

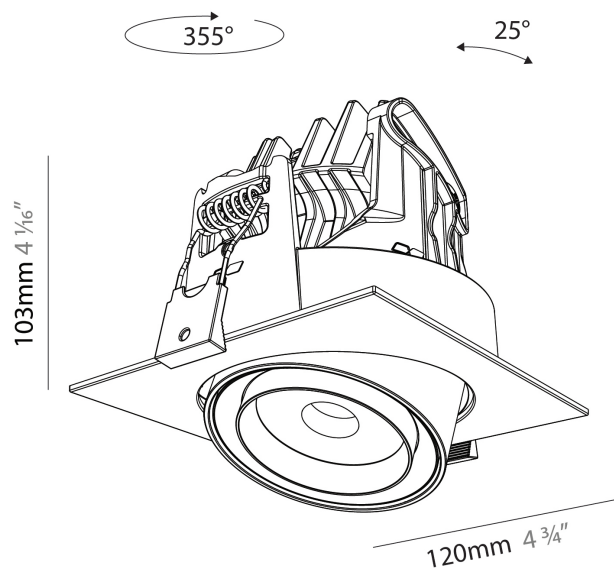
Color Temperature (°K): 2700 / 3000 / 3500 / 4000
Max. Delivered Lumen (lm): 1201 / 1294 / 1346 / 1373
Nominal Lumen (lm): 1668 / 1797 / 1869 / 1907
CRI: >90 CRI
Lamp Life (hrs): 50000

OPTICAL

Beam Angle: 18 - 46
Adjustability: Rotational 350° / Tilt 25°

RATINGS AND CERTIFICATIONS

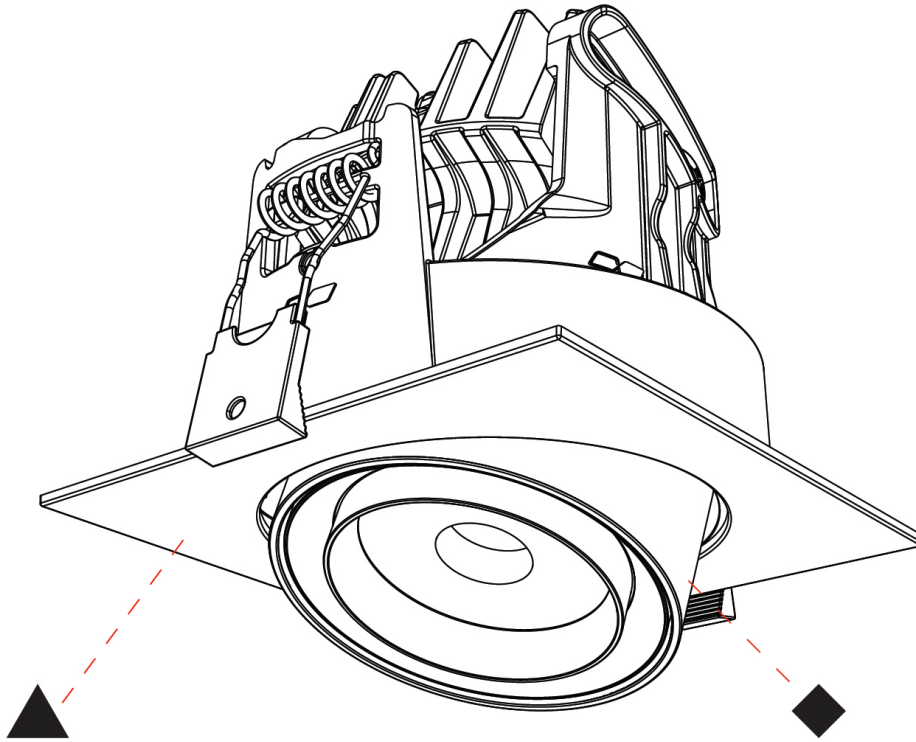
Certified By: CSA Certified to UL and CSA Standards
IP rating: IP20



CENTRIQ SQUARE FLEX ADJUSTABLE RECESSED

A35986-

PROJECT	_____
TYPE	_____
SPECIFIER	_____
QUANTITY	_____
DATE	_____



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PROJECT
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Fixture Finish

Sparkling Silver - 01 (SSR)



Black Velvet - 02 (BKV)



Crystal White - 03 (CWI)



Creamy - 04 (CRY)



Hampton Bay - 05 (HAB)



Urban Forest - 07 (UFT)



In the Army - 08 (ITA)



Rusty Angel - 09 (RUA)



Fade to Gray - 12 (FTG)



Mysterious Gray - 13 (MYG)



Lost Dream - 15 (LOD)



Purple Sky - 16 (PUS)



Fresh Oh - 17 (FRO)



Funky P. - 18 (FUP)



Kissing Aphrodite - 19 (KIA)



Poseidon's Paradise - 20 (POP)



Blue Sky - 21 (BLS)



Spring Green - 22 (SPG)



Mellow Yellow - 23 (MEY)



Golden Heart - 24 (GOH)



Gun Metal - 25 (GUM)



Champagne Cream - 26 (CHC)



Copper Mine - 27 (COM)



Ancient Bronze - 28 (ABZ)



Jazz Gold - 29 (JAG)



Olive Breeze - 30 (OBR)



Moonlight Silver - 31 (MOS)



Rosewood Red - 32 (ROR)



Digital: Not all screens are calibrated the same, and therefore, colors will appear differently between screens.

Physical: When texture is involved, there will be variations in color, character and tone within a product series and between product families.

Gun Metal: No Gun Metal finish is alike. It combines a mixture of transparent and black color particles which ensures a highly individual effect and no luminaire being identical.

Champagne Cream, Copper Mine, Ancient Bronze + Jazz Gold: These finishes have slight fading from specific powder coating production. Each luminaire will slightly vary.



PROJECT	
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LEGEND

floor-mounted	pivotal	special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
wall and ceiling: recessed and surface mounted	rotating	warm dim / natural dimming LED
ceiling-mounted and wall-mounted	illuminate tilted	rechargeable battery powered
wall-mounted	color of suspension cable	fixture with natural vivid LED (upon request)
omni-directional light distribution	length of suspension cable	color rendering index
direct light distribution	reflector degree selection	color temperature
direct/indirect light distribution	super spot	lumen (luminous flux)
indirect light distribution	lens	efficacy (lumens per watt)
asymmetric light distribution	lens pack	Unified Glare Rating (UGR) range from 5-40
aura light distribution	shine ring	marine grade (AISI 316 stainless steel)
round wall or ceiling cut-out	integrated shine ring with diffuser	walk on
square wall or ceiling cut-out	free individual colors 01-29	drive on
the supplied jig specifies the cutout dimensions	individual colors: 00 (free of charge), 01-25 (extra charge)	Dark Sky Compliance
minimum distance (meters) lamp - object	luminaire part to be colored (F1)	Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor)
recessed depth	luminaire part to be colored (F2)	lamp protected against explosion
ceiling thickness in mm	luminaire part to be colored (F3)	blown glass using traditional methods by master glass blower
ceiling thickness selection	luminaire part to be colored (F4)	acoustic material
dimmable DP (phase), DV (0-10V), DD (dali), DS (step-dim)	luminaire part to be colored (F5)	protection class I, protection insulation
included or excluded LED driver/transformer/control gear	color of 3-circuit adaptor	protection class II, protection insulation
separately switchable	indirect diffuser	ETL Certified to UL and CSA Standards
sensor	direct diffuser	UL Certified to UL and CSA Standards
remote control	ball-proof (upon request)	CSA Certified to UL and CSA Standards
available upon request	accessory	Certified for North American Standards

IP RATING

IP20	protected against ingress of solid bodies greater than 12.5mm (finger)
IP33	protected against ingress of solid bodies greater than 2.5mm protected against sprays of water up to 60 degrees from the vertical (rain)
IP40	protected against ingress of solid bodies greater than 1mm (wire) no protection against the ingress of moisture
IP43	protected against ingress of solid bodies greater than 1mm (wire) protected against sprays of water up to 60 degrees from the vertical (rain)
IP44	protected against ingress of solid bodies greater than 1mm (wire) protected against water splashed from all directions
IP54	protected against limited ingress of dust (wet rooms/covered outdoor areas) protected against water splashed from all directions
IP65	protected against ingress of dust protected against jets of water
IP66	protected against ingress of dust protected against powerful jets of water or heavy seas
IP67	protected against ingress of dust protected against immersion of water between 15cm - 1m for 30 minutes
IP68	protected against ingress of dust protected against immersion of water under pressure for long periods

IK RATING

IK01	protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm above the surface)
IK02	protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface)
IK03	protected against 0.35 joules impact (equivalent to 0.25kg mass dropped from 140mm above the surface)
IK04	protected against 0.5 joules impact (equivalent to 0.25kg mass dropped from 200mm above the surface)
IK05	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
IK06	protected against 1 joules impact (equivalent to 0.25kg mass dropped from 400mm above the surface)
IK07	protected against 2 joules impact (equivalent to 0.5kg mass dropped from 400mm above the surface)
IK08	protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface)
IK09	protected against 10 joules impact (equivalent to 5.0kg mass dropped from 200mm above the surface)
IK10	protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)