LIGHTOLIER

by (s) ignify

Downlighting

Calculite 3"

C3SA Square adjustable accent





Calculite features industry leading visual comfort and patented installation flexibility. MesoOptics soft focus optical film provides excellent uniform illumination and color consistency at articulated angles. Ideal for use in open office, retail, hospitality, healthcare, and residential applications.

Complete luminaire = Frame + Engine + Trim + Accessories (optional) Complete remodel luminaire = Engine + Trim + Accessories (optional)

Project:
Location:
Cat.No:
Type:
Qty:
Notes:

example: 3SAS

Frame	Note: For remodeler installations, order light engine and trim only (no frame needed).
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Series	Installation	Voltage/Options	
38			
3S Uniframe 3" square frame	N New Construction Non-IC	Universal 120/277/347V ¹ Chicago plenum 3 347V (for non-0-10v configurations) ³	EM6 Emergency, 6W Self-Test/Self-Diagnostic ² RADIO Integral Interact Pro RF sensor (requires above ceiling access - enables wireless connected lighting control)
	A AirSeal IC (1000Im max)	- Standard Universal 120/277/347V1	S Shallow Universal 120/277/347V ^{1,4}

Engine example: C3RA05940NSZ10US

Series C3S	Style A	Lumens	CRI/CCT	Beam	Dimming/Voltage	Plenum
C3S Calculite 3" square light engine	A Adjustable Accent	05 500 lm 07 750 lm 10 1000 lm 15 1500 lm ⁵ 07 750 lm	927 90 CRI / 2700 K 930 90 CRI / 3000 K 935 90 CRI / 3500 K 940 90 CRI / 4000 K 9D2W 90 CRI / 3000 K - 1800 K for Non-IC (N) frames only	NS Narrow Spot (15°) SP Spot (20°) NF Narrow Flood (23°) FL Flood (29°)	Z10U 0-10V 1% / Unv (120V/277V) Z103 0-10v 1% (347V) ^{6,7} LU Lutron PEQO (Dim to 0.1%) / Unv (120V/277V/347V) E1 Electronic low voltage (120V dimming)	- Standard
		05 500lm 10 1000lm	927 90 CRI/2700 K 930 90 CRI/3000 K 935 90 CRI/3500 K 940 90 CRI/4000 K	NS Narrow Spot (15°) SP Spot (20°) NF Narrow Flood (23°) FL Flood (29°)	Z10U 0-10V 1% / Unv (120V/277V) Z103 0-10v 1% (347V) ^{6,7} E1 ELV (120V dimming) / Unv (120V/277V/347V)	R Remodeler ⁸ (120/277V only) S Shallow

Trim

Series	Style	Reflector	Flange	MesoOptics
C3S Calculite 3" square trim	A Adjustable Accent	CL Specular clear CC Comfort clear CD Comfort clear diffuse	- White (matte) F Flangeless ⁹	MesoOptics - Symmetrical soft focus
		BK Black (painted)	B Black (matte) F Flangeless ⁹	optical film LS6010 Linear spread 60x10 optical
		WH White (matte)	- White (matte) F Flangeless ⁹	film ASY21 Asymmetrical
		WT Textured white (painted)	P Matching refl. F Flangeless ⁹	21° bend angle optical film ASY8 Asymmetrical
		BT Textured black (painted) BZ Bronze (painted) D Alum. diffuse (painted)	- White (matte) P Matching refl. F Flangeless ⁹	ASY8 Asymmetrical 8° bend angle optical film
1. Universal 120-34 For 347V non-Z10	Hex Cell Louver HCL 3" hex cell louver with holder,			

- For 347V non-Z10 dimming, order 347V (3) frame with (U) light engine/trim.
- 2. Emergency (EM6) frame requires remote mounted test switch. Order CAEM6TSCP mounting plate accessory (not compatible with 347V)
- 3. Not compatible with electronic low voltage light engine dimming option (E).
- 4. Shallow frame requires shallow engine (S). Standard depth trims compatible with shallow frame.
- 5. The 1500lm (15) option is not available with standard AirSeal IC frame (3SA-).
- 6. Specify standard UNV frame for use with 347V light engines.
- The 347V light engine voltage option is available only with Z10 dimming option. For other dimming protocols order (U) light engine and 347V (3) frame
- 8. For remodeler installations, order light engine and trim only (no frame needed).
- Flangeless (F) trims require CA3SAAFT mud-in accessory for installation.
- 10. Requires IRT9015 IR remote & Interact Pro App for commissioning.

example: C3SACLFLS6010

Accessories (order & install separately)

Interact Ready System Bridge (compatible with 0-10V, see SBA spec sheet)¹⁰

CAEM6 Field installable Bodine BSL6 6W battery pack with self-test/ self-diagnostic for use with new construction frames, 120-277V

CA3SAAFT Mud-in ring for flangeless installs (ordered with a flangeless trim)

Additional field-installable optics

CA3NSSFR 15° Narrow Spot upper reflector CA3SSFR 20° Spot upper reflector CA3NFSFR 23° Narrow Flood upper reflector CA3FLSFR 30° Flood upper reflector

MesoOptics

CA3RSYM Symmetrical CA3RLS6010 60x10 Linear spread CA3RASY21 21° Bend angle CA3RASY8 8° Bend angle

Hex cell louver / MesoOptic film

CL3HCL 3" holder / Symmetrical CL3HCLS6010 3" holder / 60x10 Linear CL3HCLASY21 3" holder / 21° Asymmetrical CL3HCLASY8 3" holder / 8° Asymmetrical



order with MesoOptics

film option or blank

for symmetrical

(ex: HCLS6010)







Square adjustable accent

Frame-in-kits

New construction:

Galvanized stamped steel for dry or plaster ceilings. Preinstalled telescoping mounting bars from 13" to 24". For 4' distances, use 1/2" EMT, 1–1/2" x 1/2" U or C channel.

Max ceiling thickness is 1.25" (32mm)

Patented install mounting frame:

- Pre-installed mounting bars for fast and tool-less installs into T-grid & hat channel ceilings.
- Close-cut aperture design eliminates possibility of gap between ceiling opening and reflector flange.
- Separate wiring compartment for wiring frame to building allows inspection prior to light engine install.
- Simple plug-and-play connection between frame and light engine from below ceiling.

Dimming

All configurations are FCC Class A unless otherwise specified.

- Advance 0-10V 1% (Z10)
- Lutron PEQO Hi-lume Premier 0.1% EcoSystem
- Electronic low voltage (ELV) Remodel and AirSeal IC Shallow are FCC Class B
- Dim to Warm (D2W) option changes CCT from 3000K to 1800K gradually as it dims

Optical systems

Quality of light: 2 SDCM ensures color consistency from fixture to fixture and over the luminaire's long lifetime.

Construction: Precision formed high grade aluminum reflectors with options for anodized or painted finishes.

Hex Cell Louver

- Hex cell louver in black finish affixed to TIR optic with snap-on holder ring
- Factory installed option or field installed accessory
- · MesoOptics diffusion film is installed the holder
- For field installation, discard MesoOptics film supplied with the trim

Adjustability

- · 45° vertical tilt, mechanical aiming with lock
- · 360° rotation with lock
- · Field changeable optics

MesoOptics optical diffusion film

- PET film containing surface relieved, microscopic light diffusing structures/elements
- Provides a clean beam with mitigated spill at articulated angles
- Optimizes luminaire efficacy via high optical transmission
- Homogenizes light engine luminance providing smooth gradients of white light
- Uniformly lit optical aperture creates a balance of beam precision coupled with smooth gradients of pure white light
- Other distribution options available including linear spread and asymmetric
- · May be field installed with available accessories

Light engine

Quick connect power pack allow for easy installation and replacement from below ceiling with no need for additional wiring. This allows for:

- Frame and ceiling installation to be performed while still finalizing details such as lumen packages, CCT and control type.
- Easy replacement of electronics at end of life with minimal wasted material and labor required.
- ullet Ease and upgradability of technology.
- Predicted 70% lumen maintenance to 57,000 hrs.
- Max operating ambient temperature of 30°C.
- 347V light engines are 0–10v dimming only and include dedicated 347V driver for use with universal 120/277/347V (U) frames. For 347V and non–0–10v dimming, order (U) light engine and 347V (3) frame (includes step down transformer).

Emergency

Bodine BSL6 6W battery pack with self-test/ diagnostic functionality. Factory or field mounted to frame.

- For remote ceiling mounted test switch, order standard Trim (ex: C3SACC). Optional accessory ceiling mounting plate available (CAEM6TSCP) for remote mounted test switch.
- Refer to Calculite-LyteProfile-EasyLyte Emergency Battery Pack specification sheet for more details.

Options and accessories

Field Installed Emergency: Refer to Calculite-LyteProfile-EasyLyte Emergency Battery Pack specification sheet for more details.

CAEM6: Field install EM6 kit with Bodine BSL6 6W battery pack with self-test/self-diagnostic, mounts to new construction frames. Includes remote ceiling plate for test switch.

CAEM6TSCP: Ceiling cover plate for remote mounted EM6 test switch. $\frac{1}{2}$ " (25mm) hole, $4\frac{1}{3}$ " (109mm) x $2\frac{1}{3}$ " (69mm) rectangular. Includes two mounting screws.

Flangeless mud-in ring: Use **CA3SAAFT** for use with flangless plaster installations.

Lens Film Accessories: Trim may accept up to one (1) field installed optical films with a total overall thickness up to 0.020" (1.5mm).

Title 24 exceptions

- Square Adjustable Accent CL, CC, CD, WH, WT only
- · Must be installed in shallow AirSeal IC Frame
- · Shallow luminaires must be ELV

Labels and listings

- · cULus listed for damp locations
- · CEC Title 24 JA8 certified
- · CCEA (frames with *LC suffix)

Warranty



5 year limited warranty Visit Signify.com/warranties for more information on Signify's standard 5-year limited warranty on complete luminaire systems.

Square adjustable accent

This meticulously engineered downlight is pre-adjusted to 22.5° out of the box, saving installation time. It can be vertically adjusted to 45° with three quick turns of a screwdriver and locked into place.

0-10V electrical tables

Light engine	Input volts	Input current	Drive current	Input power
00 405 74011/0	120 V	0.08 A	000 4	9.5 W
C3_A05_Z10U/3	277 V	0.03 A	200 mA	
00 407 71011/0	120 V	0.09 A	050 4	10.0 11/
C3_A07_Z10U/3	277 V	0.04 A	250 mA	10.9 W
00 10700000 740000	120 V	0.12 A	000 4	13.6 W
C3_A079D2W_Z10U/3	277 V	0.05 A	330 mA	
02 410 71011/2	120 V	0.13 A	260 4	15.6 W
C3_A10_Z10U/3	277 V	0.06 A	360 mA	
00 445 74011/0	120 V	0.17 A	500 ··· A	20.4 W
C3_A15_Z10U/3	277 V	0.07 A	500 mA	
C3_A05_Z10US/3	120 V	0.08 A	220 4	0.4.14
C3_A05_Z10UR	277 V	0.03 A	220 mA	9.4 W
C3_A10_Z10US/3	120 V	0.12 A	220 4	14.1 W
C3_A10_Z10UR	277 V	0.05 A	330 mA	

ELV electrical tables

Input volts	Input current	Drive current	Input power
120 V	0.08 A	220 4	0.7.14
277 V	0.03 A	220 MA	8.7 W
120 V	0.09 A	0E0 A	10 0 W
277 V	0.04 A	250 MA	10.2 W
120 V	0.11 A	000 4	13.1 W
277 V	0.05 A	330 MA	
120 V	0.11 A	250 m/s	12.7 W
277 V	0.05 A	350 MA	
120 V	0.17 A	500 mA	19.7 W
277 V	0.07 A	500 MA	
120 V	0.08 A	220 4	0.7.W
277 V	0.03 A	220 MA	8.7 W
120 V	0.11 A	220 mA	13.1 W
277 V	0.05 A	330 MA	13.1 W
	volts 120 V 277 V 120 V	volts current 120 V 0.08 A 277 V 0.03 A 120 V 0.09 A 277 V 0.04 A 120 V 0.11 A 277 V 0.05 A 120 V 0.11 A 277 V 0.05 A 120 V 0.17 A 277 V 0.07 A 120 V 0.08 A 277 V 0.03 A 120 V 0.11 A	volts current current 120 V 0.08 A 220 mA 277 V 0.03 A 250 mA 120 V 0.09 A 250 mA 120 V 0.11 A 330 mA 120 V 0.11 A 350 mA 120 V 0.17 A 350 mA 120 V 0.17 A 500 mA 120 V 0.08 A 220 mA 120 V 0.08 A 220 mA 120 V 0.11 A 330 mA

Lutron electrical tables

Light engine	Input volts	Input current	Drive current	Input power
02 405 111	120 V	0.07 A	200 mA	8.4 W
C3_A05_LU	277 V	0.03 A	200 MA	
02 407 111	120 V	0.09 A	250 mA	10.7 W
C3_A07_LU	277 V	0.04 A	250 MA	
	120 V	0.12 A	330 mA	13.0 W
C3_A079D2W_LU	277 V	0.05 A	330 MA	
C3_A10_LU	120 V	0.13 A	360 mA	15.4 W
C3_AIU_LU	277 V	0.06 A	360 IIIA	
C3_A15_LU	120 V	0.17 A	500 mA	40.014
	277 V	0.07 A	SOU MA	19.8 W

Square adjustable accent

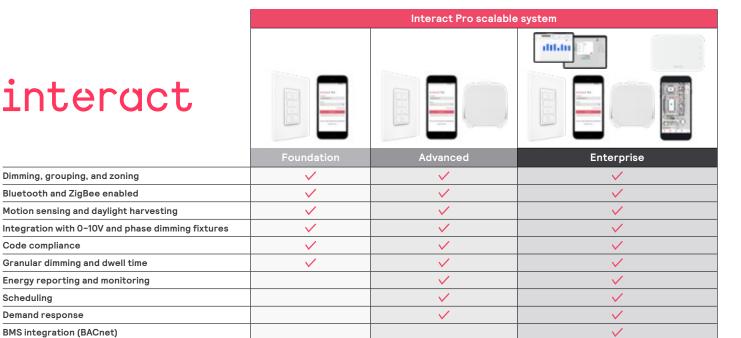
interact

Dimming, grouping, and zoning Bluetooth and ZigBee enabled Motion sensing and daylight harvesting

Granular dimming and dwell time Energy reporting and monitoring

Code compliance

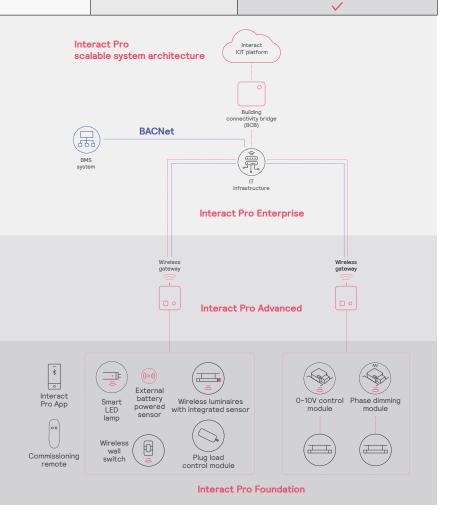
Scheduling Demand response BMS integration (BACnet) Floor plan visualization IoT sensors for wellness IoT Apps for productivity



Currently supported maximum system size

To be able to design the lighting system correctly for the customer, it is important to know the prime characteristics of the system, its possibilities and limitations.

System level	
Total number of gateways	Unlimited
Total number of devices	200 per network
luminaires with integrated sensors	150
• smart TLEDS	150
Total number of ZGP devices (sensors and switches)	50
· sensors	30
· switches	50
· zones and groups	64
Group level	
Recommended number of lights	40 (recommended 25)
Number of ZGP devices	5
Number of scenes	16



Square adjustable accent

Wireless Controls Options

Interact Pro scalable sensor (System Bridge Accessory with -CS option):

- CS is a connected sensor with integral occupancy and daylight sensing and supports wireless mesh connectivity.
- The sensor works in the Foundation mode (similar to SpaceWise) when configured without a gateway or in an Interact Pro Advanced or Enterprise mode if a compatible gateway is used.
- Interact Pro includes an App, a portal and a broad portfolio of wireless luminaires, lamps and retrofit kits all working on the same system.
- Startup is implemented via Interact Pro App (Android or iPhone) & BlueTooth connectivity.
 The App provides flexibility to choose between a gateway or non gateway mode for setup.
- Setup with the gateway requires wired internet access to the gateway. It is possible to add a gateway at a later point.
- Prepare project configuration steps remotely and use IRT9015 remote onsite to identify and group devices together.
- · Compatible with:
 - UID8451/10 wireless dimmer switch
 - SWS200 wireless scene switch
 - Battery powered IP42 presence sensor OCC sensor IA CM WH 10/1
 - Battery powered IP42 presence & daylight sensor OCC-DL sensor IA CM IP42 WH
 - Battery powered IP65 presence sensor OCC sensor IA CM IP65 WH
 - Battery powered IP65 presence & daylight sensor OCC-DL sensor IA CM IP65 WH
- For more information on Interact Pro visit: www.interact-lighting.com/ interactproscalablesystem.

Interact Pro Enterprise (System Bridge Accessory with -SB option):

- A wireless IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- View all your projects under one dashboard and easily compare insights from multiple projects in one view.
- Compatible with UID8451/10 wireless dimmer switch, SWS200 wireless scene switch, wireless Occ sensor (OCC SENSOR IA CM IP42 WH 10/1) and wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1) and wireless Occupancy or Daylight & Occupancy sensors available.
- Use Interact software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- SB option in addition to occupancy and daylight sensing supports advanced IoT capabilities such as people estimation analysis, desk level temperature & humidity sensing, noise classification, and BLE beacon.
- Requires compatible Gateway and internet connectivity for commissioning.
- For more information, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/systemareas/offices.

Emergency Options (ER100) (System Bridge Accessory with -ER100 option):

- Power Sensing (Factory default) Recommended UL924 option requires unswitched power sense line, absence of voltage on the normal circuit triggers luminaire to 100% output
- Power Interruption Detection (Field option) –
 Detects AC power interruption >30ms triggers
 90 minute emergency mode with luminaire at
 100% output

Radio only sensor (RADIO):

- Integral RADIO only sensor simply enables wireless mesh connectivity to the luminaire without any occupancy or daylight sensing.
- Ideal for applications where sensing functionality is managed by other Interact devices and the luminaire only needs to have wireless connectivity.

Wired Controls Options

Interact Office Wired (PoE):

- PoE based IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- Use Interact Office software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Supports advanced IoT Apps on Personal Control, Space Management, wayfinding, room/ desk reservation and offers open APIs for light control and data exchange.
- ${\boldsymbol{\cdot}}$ PoE lighting controller is accessible from below.
- Integral sensor option for occupancy sensing (PIR) and/or daylight harvesting available for additional energy savings.

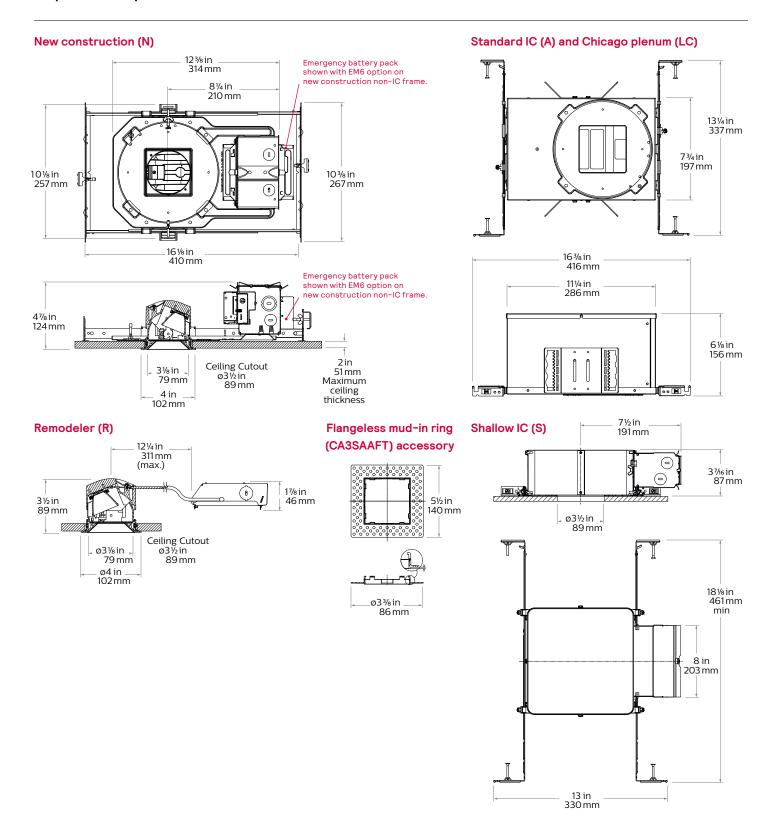
- Optional integral emergency controller and battery pack provides 600lm nominal output.
- Test switch and indicator light mounted on side of chassis on one end.
- Emergency battery has a 3 month pre-installed shelf life, and must be stored and installed in environments of 20C to 30C (-4F to 86F) ambient, and 45-85% relative humidity.
- For more information on Interact Office Wired, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/systemareas/offices.

Interact Office Wired (PoE), Static White:

 A wireless IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.

- View all your projects under one dashboard and easily compare insights from multiple projects in one view.
- Compatible Zigbee Green Power wall dimmer and wireless Occupancy or Daylight & Occupancy sensors available.
- Use Interact Office software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Supports advanced IoT Apps on wayfinding, room/desk reservation and offers open APIs
- Requires compatible Interact Office Gateway and internet connectivity for commissioning.
- For more information on Interact Office
 Wireless, visit: www.interact-lighting.com/
 office or www.usa.lighting.philips.com/systems/
 system-areas/offices.

Square adjustable accent



Square adjustable accent

Polished Reflectors Shown as round reflectors but represent the finish of Calculite square reflectors.



Specular clear (CL): Most specular and most efficient finish, delivers maximum photometric performance but can produce a mirror image effect of the interior space.



Comfort clear (CC): Semi-specular finish that softens the light at the source of the reflector and creates a subtle, even luminance from the reflector cone.



Comfort clear diffuse (CD): Slightly diffuse clear finish, that eliminates iridescence and reduces the mirror image effect inherent with specular finishes.



Champagne bronze (CZ): Semi-specular finish that softens light at the source of the reflector while providing a warmer reflector appearance (slightly warmer).



White (WH): (matte) Brightest illuminated aperture and provides the smoothest transition to most ceilings when off (white is only available with a white flange).



Black (BK): (anodized) Specular finish that provides the lowest aperture brightness possible and significantly reduces source identification in a ceiling.

Textured Reflectors Shown as square reflectors but represent the finish of Calculite round reflectors.



Aluminum diffuse (D): Matte painted finish.



Bronze (BZ): Matte painted finish.



Textured white (WT): Matte painted finish.



Textured black (BT): Matte painted finish.

Flanges



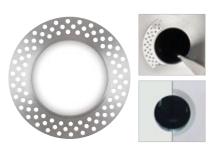
White (-): (matte) Provides the smoothest transition to ceilings when off.



Polished (P): (matches aperture) Produces a continuous look throughout the reflector (aperture matching).



Flangeless (F): (flush-mount)Creates a flush, virtually seamless transition from aperture to ceiling.



Mud-in ring (FT): Low profile, machined aluminum mud-in ring provides a raised rib to plaster up to and a 3/16" flange thickness. The ring is attached to the ceiling material as opposed to the frame-in kit to avoid conduction of heat and vibration which can cause yellowing or cracking of the plaster.

Square adjustable accent

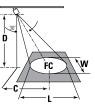
Aiming angles

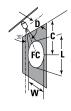
L and W are the outer points where the candle power drops to 50% of the maximum. FC are the initial footcandles at the center of the beam. Data shown is for 3000K, use the table on the right for CRI/CCT adjustment factors.



- W Beam Width
 D Distance
- A Aiming Angle
 C Distance to

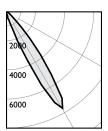
center beam
CP Center Beam
Candlepower





Adjustment Factors

Standard	Shallow 1" Regress	CCT (90CRI)	Lumens
CL = 105% CC = 100% CD = 80% WH = 80% CZ = 78% BK = 40%	WT = 112% D = 100% BZ = 77% BT = 74%	4000K = 104% 3500K = 100% 3000K = 96% 2700K = 90%	1500lm = 130% 1000lm = 100% 750lm = 70% 500lm = 50%



Frame: 3SN Engine: C3SA10935NSZ10U Trim: C3SACC

Output lumens: 1146 lms Input watts: 15.6 W CRI: 90 min CCT 1: 3500 K CBCP: 7666 cd Beam Angle: 15°

Efficacy: 73.5 lm/w Report²: F411891

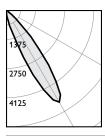
Narrow Spot, 1000lm engine, 74 lm/W at 16W

30° Horizontal Aiming

Distance			Bean	n
D	С	F.C.	L	W
6	3.5	138	2.1	1.8
8	4.6	78	2.8	2.4
10	5.8	50	3.5	3.0
12	6.9	35	4.2	3.6

30° Vertical Aiming

Distance			Bean	n
D	С	F.C.	L	w
2	3.5	240	2.2	1.1
3	5.2	106	3.3	1.6
4	6.9	60	4.4	2.1
5	8.7	38	5.6	2.6



Frame: 3SN Engine: C3SA10935SPZ10U Trim: C3SACC

 Output lumens:
 865 lms

 Input watts:
 15.6 W

 CRI:
 90 min

 CCT1:
 3500 K

 CBCP:
 5010 cd

 Beam Angle:
 20°

Efficacy: 55.4lm/w Report²: F041191

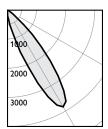
Spot, 1000lm engine, $55 \, \text{lm/W}$ at $16 \, \text{W}$

30° Horizontal Aiming

Distance			Beam	
D	С	F.C.	L	W
6	3.5	90	2.9	2.4
8	4.6	51	3.8	3.3
10	5.8	33	4.8	4.1
12	6.9	23	5.7	4.9

30° Vertical Aiming

Distance			Beam	
D	С	F.C.	L	w
2	3.5	157	3.1	1.4
3	5.2	70	4.7	2.1
4	6.9	39	6.2	2.8
5	8.7	25	7.8	3.5



Frame: 3SN Engine: C3SA10935NFZ10U Trim: C3SACC

 Output lumens:
 835 lms

 Input watts:
 15.6 W

 CRI:
 90 min

 CCT 1:
 3500 K

 CBCP:
 3846 cd

 Beam Angle:
 23°

Efficacy: 53.5 lm/w Report²: F041193

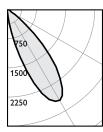
Narrow Flood, 1000lm engine, 54 lm/W at 16W

30° Horizontal Aiming

Distance			Beam	
D	С	F.C.	L	W
6	3.5	69	3.3	2.8
8	4.6	39	4.4	3.8
10	5.8	25	5.5	4.7
12	6.9	17	6.6	5.6

30° Vertical Aiming

Distance			Beam	
D	С	F.C.	L	W
2	3.5	120	3.7	1.6
3	5.2	53	5.6	2.4
4	6.9	30	7.4	3.3
5	8.7	19	9.3	4.1



Frame: 3SN Engine: C3SA10935FLZ10U Trim: C3SACC

Output lumens: 853 lms Input watts: 15.6 W CRI: 90 min CCT 1: 3500 K CBCP: 2687 cd Beam Angle: 30°

Efficacy: 54.7lm/w Report²: F041195

Flood, 1000lm engine, 55 lm/W at 16W

30° Horizontal Aiming

Distance			Beam	
D	С	F.C.	L	W
6	3.5	48	4.4	3.7
8	4.6	27	5.9	5.0
10	5.8	17	7.3	6.2
12	6.9	12	8.8	7.4

30° Vertical Aiming

Distance			Beam		
D	С	F.C.	L	W	
2	3.5	84	5.5	2.1	
3	5.2	37	8.2	3.2	
4	6.9	21	10.9	4.3	
5	8.7	13	13.7	5.4	

- 1. Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.
- 2. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Houcust.



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