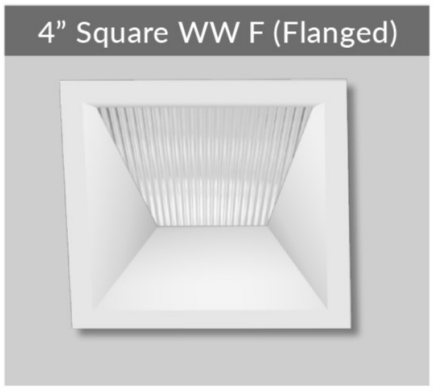
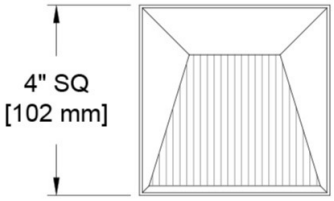
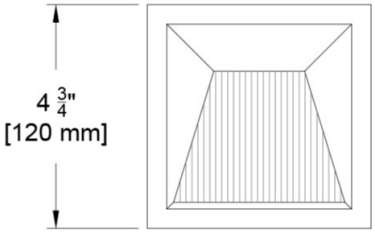
The Core Family

Welcome to the Core line of fixtures. You will find a rich diversity of technical and aesthetic options with over 14 finishes including custom wood trims, flux and source selections featuring 90+ CRI fixed white and our world class Ambient Dim (Warm Dim), a 3.7:1 uniformity ratio from top to bottom of the wall and plethora of driver and control choices. The Core wall wash is created on a platform allowing a high degree of modification, so if you don't see what you are looking for, just ask.











Wood Trim Available

PROJECT: TYPE:

SPECIFIER: DATE:

Key Points (CR4WW-SF)

Trim

- One-piece die cast aluminum or machined wood trim
- Frosted Supertex borosilicate glass spread lens, hinged for source and driver service
- Flangeless includes plaster flange with lip
- 14 color options + custom, RAL or wood available
- Flanged of Flangeless

Source / Optics

- 2400K, 2700K, 3000K, 3500K, 4000K
- AmbientDim™, RGBW & Tunable White options
- 90 CRI , 60+ R9 Standard- 95 CRI 90+R9 Optional
- <2 MacAdam Steps (<2SDCM) for fixed white
- Up to 1069 delivered lumens
- Uniform light from floor to ceiling. Achieves a 3.7:1 ratio on a 10' ceiling at 2.5' setback with a 1:1 on center spacing

Housing

- TITLE 24 Compliant to JA8 with Airtight Housing
- c SP us Listed – Damp or wet with shower trim
- Approved for 8 (4-in / 4-out) #12 AWG conductors rated for 90°C through wiring
- IC Rated / Airtight Housing approved for use in direct contact with insulation – Chicago Plenum Available
- Heavy gauge aluminum for new construction or remodel

Driver

- TruPhase™, 0-10, DALI-2, DMX, Ecosystem or Wireless Control
- Flicker free to IEEE 1789-2015
- Prewired and integral to housing
- Universal 120-277v

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Ordering Codes

PROJECT: SPECIFIER:

DATE: TYPE: QUANTITY:

Ordering Code Example: CR4WW-SF-F-AU-C20-35-E2-P16-CP

FIXTURE	TRIM	MOUNTING	LUMENS / WATTS	CCT	DRIVER / CONTROL	TRIM FINISH	ACCESSORIES
CR4WW-SF							

Core 4" Square Fixed Wall Wash

Flanged Trims

F
Flanged Trim

FS
Flanged Shower Trim

(for mounting choose from Flanged Housings)

Flangeless Trims

Z
Flangeless Trim

ZS
Flangeless Shower Trim

(for mounting choose from Flangeless Housings)

Flanged Housings

U
Universal - Non IC Housing

AU
Airtight Universal
IC-Rated

Flangeless Housings

P
Plaster

PM
Panel Mount

APM
Airtight Panel Mount
IC-Rated

AP
Airtight Plaster
IC-Rated

Shallow Housing

ASU *
Airtight Shallow Universal
IC-Rated

ASPM *
Airtight Shallow Panel
IC-Rated

ASP *
Airtight Shallow Plaster
IC-Rated

California Title Compliant

Citizen

C14
15W
679Lm
90+CRI, 60+R9

C20
21W
832Lm
90+CRI, 60+R9

C28
30W*
1069Lm
90+CRI, 60+R9

Tunable

T9
90+CRI, 60+R9
Tunable White

T15
90+CRI, 60+R9
Tunable White

T20
21W
90+CRI, 60+R9
Tunable White

RGBW
90+CRI, 60+R9

Ambient Dim™

A14
15W
461Lm
95+CRI, 90+R9

A20
21W
95+CRI, 90+R9

California Title 24 Compliant to JA8

* Requires Active Cooling and Non-IC housing. Not compatible with L2 and LP drivers.

24
2400K

27
2700K

30
3000K

35
3500K

40
4000K

Tunable

TW1840
1800-4000K
Tunable White
w/ E1, E2, E3, E4

TW2765
2700-6500K
Tunable White
w/ E1, E2, E3, E4

RG1280
1200-8000K
RGBW Dynamic Color Changing
**Requires E2 or E4*

Ambient Dim™

2722*
2700-2200K
**A14 Only*

3019
3000-1900K

3022*
3000-2200K
**A14 Only*

C1
0-10
1.0%, UNV (120-277V)
linear

C2
ELV/Triac
1.0%, (120V) linear

E1
0-10
0.1%, UNV (120-277V)
log

E2
DALI-2
0.1%, UNV (120-277V)
log

E3
0-10
0.1%, UNV (120-277V)
linear

E4^
DMX
0.1%, UNV (120-277V)
Universal DMX Driver/Controller
RGBW-DMX
^ INCLUDES DMX/RDM COMPATIBLE DRIVER WITH BUILT-IN DECODER - CONTROLLER BY OTHERS

LD
Digital Ecosystem
1.0%, UNV (120-277V)
ECO Hi-Lume SoftOn/Fade-to-Black
LDE1

TR2
TruPhase™
0.1%, (120-120V) log
Up to 20W
Forward and Reverse compatible Phase Dimming
Static White & Ambient Dim only

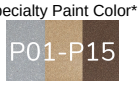
* Not compatible with C28 Source

W
White Paint

B
Black Paint

D
Wood*

PXX
Specialty Paint Color*



C
Custom/RAL Color**



*See wood trim guide.
**See Finish Guide





EM
Emergency Pack*
**Remote Required*

CP
Chicago Plenum

BABA



BABA Products

CA
Casambi
Wireless BLE to be paired with driver

Controls

LR
Lutron Wireless RF PowPak

ATH
Lutron Athena
Wireless Node
Must be used with E2 driver

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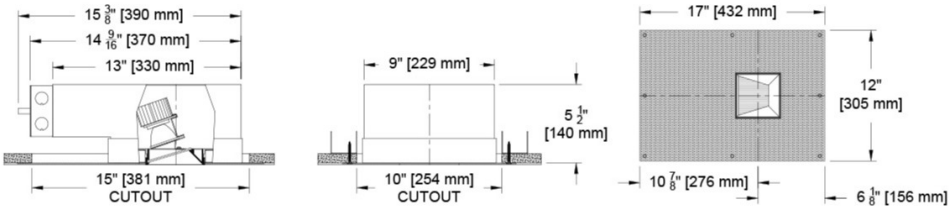
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Ceiling Cutouts and Dimensions

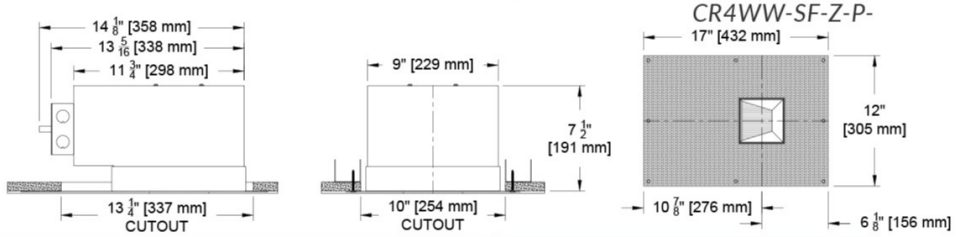
Square Flangeless Housing — Plaster Mount (P/AP)

CR4WW-SF-Z-P/AP-



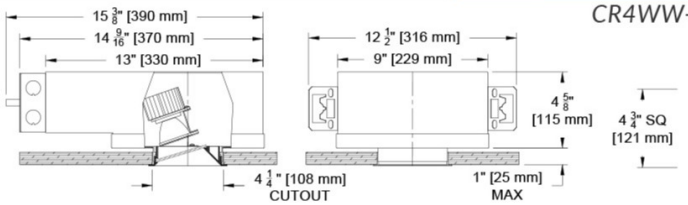
Square Flangeless Housing — Plaster Mount (P) — C28 Only*

CR4WW-SF-Z-P-



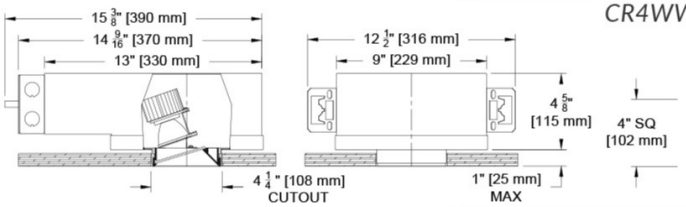
Square Flanged Housing — Universal Mount (U/AU)

CR4WW-SF-F-U/AU-



Square Flangeless Housing — Universal Mount (U/AU)

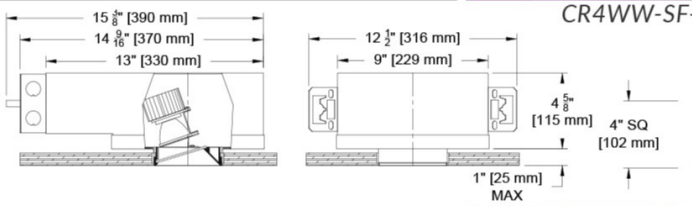
CR4WW-SF-F-U/AU-



NOTE: This option is intended for use with precise and finished cutouts. There is no plaster or finish flange.

Square Flangeless Housing — Panel Mount (PM/APM)

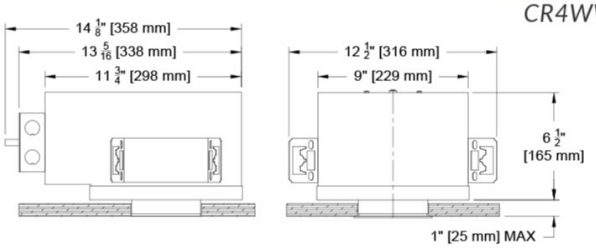
CR4WW-SF-Z-PM/APM-



NOTE: This option is intended for use with precise and finished cutouts - usually millwork or wood ceilings. There is no plaster or finish flange.

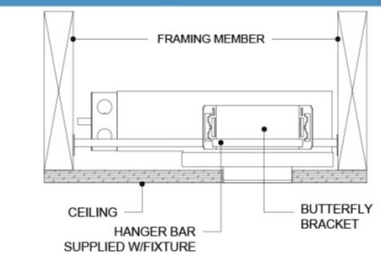
Square Universal Housing — (U) (PM) — C28 Only*

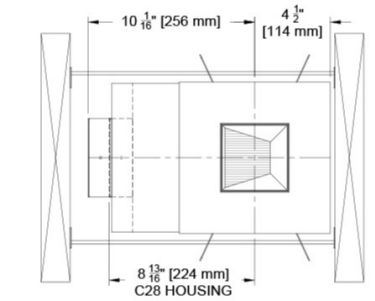
CR4WW-SF-F/Z-U/PM-C28-

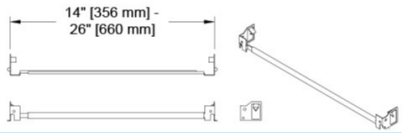


NOTE: This option is intended for use with precise and finished cutouts - usually millwork or wood ceilings. There is no plaster or finish flange.

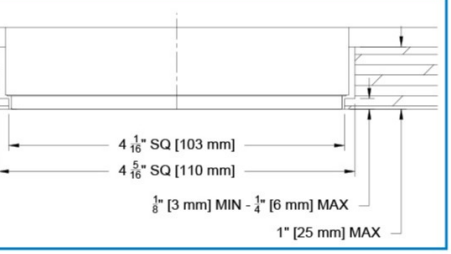
Hanger Bar Detail







Panel Mount Detail



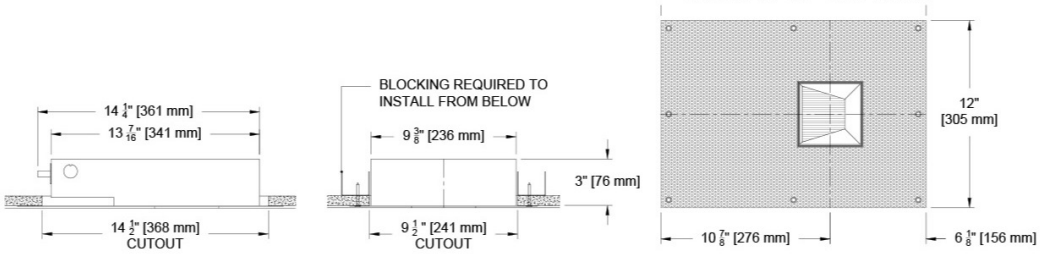
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Ceiling Cutouts and Dimensions

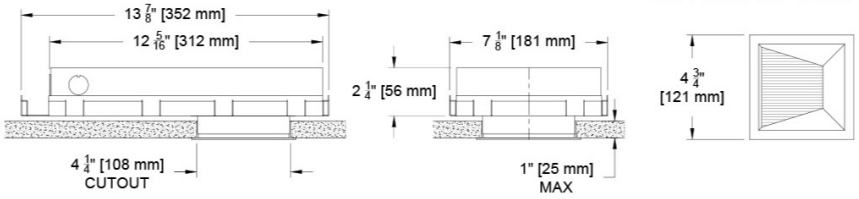
Square Flangeless Housing — Airtight Shallow Plaster (ASP)

CR4WW-SF-DR-Z-ASP-



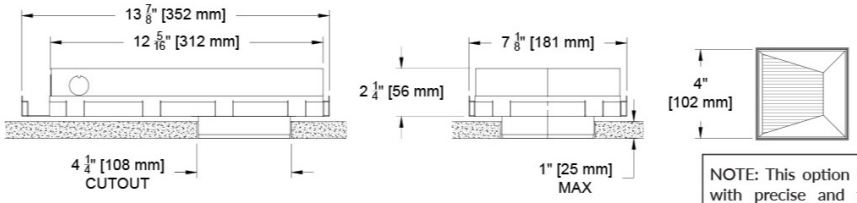
Square Flanged Housing — Airtight Shallow Universal (ASU)

CR4WW-SF-DR-F-ASU-



Square Flangeless Housing — Airtight Shallow Universal (ASU)

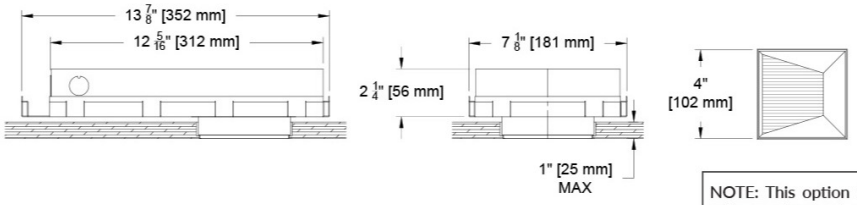
CR4WW-SF-DR-Z-ASU-



NOTE: This option is intended for use with precise and finished cutouts - usually millwork or wood ceilings. There is no plaster or finish flange.

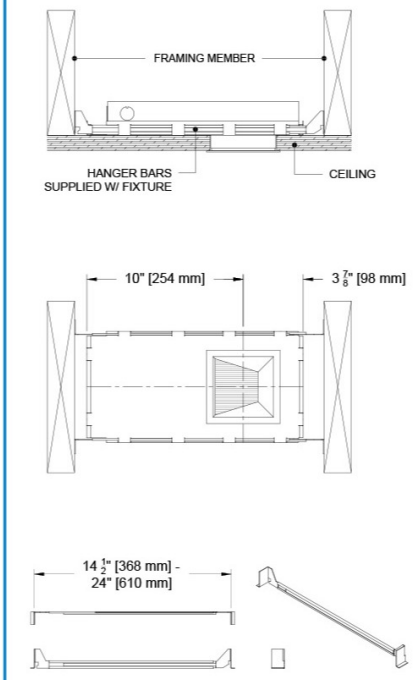
Square Flangeless Housing — Airtight Shallow Panel (ASPM)

CR4WW-SF-Z-ASPM-

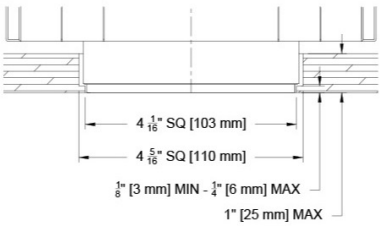


NOTE: This option is intended for use with precise and finished cutouts - usually millwork or wood ceilings. There is no plaster or finish flange.

Hanger Bar Detail



Panel Mount Detail



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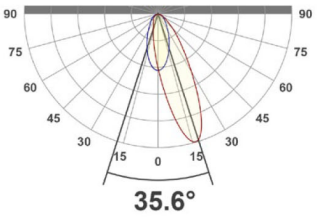
Photometric Table

All data is based from goniometer measurements of production representative product. All lumen values can vary +/- 10% from LED manufacturer rated flux range. Measurements at 3000 CCT. C28 source requires active cooling and must be used with NIC housing for required airflow. C14 is the only source to meet CA Title 24 /JA8 requirements. All values can very +/-10% from source manufacturer rated flux range.

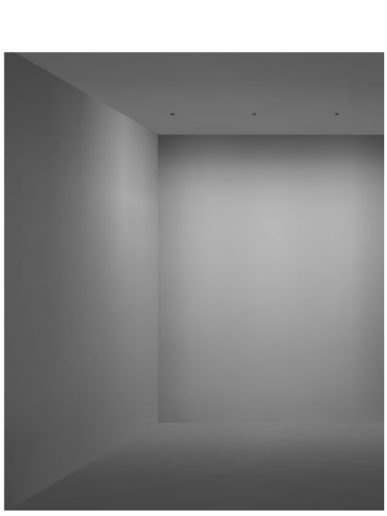
SQUARE Wall Wash (CR4WW-SF)			
Source	System watts (W)	Delivered Lumens (lm)	Lumens/ Watt
Citizen C14	14	679	49
Citizen C20	21	832	40
Citizen C28*	30	1069	35
Ambient Dim A14	15	461	31

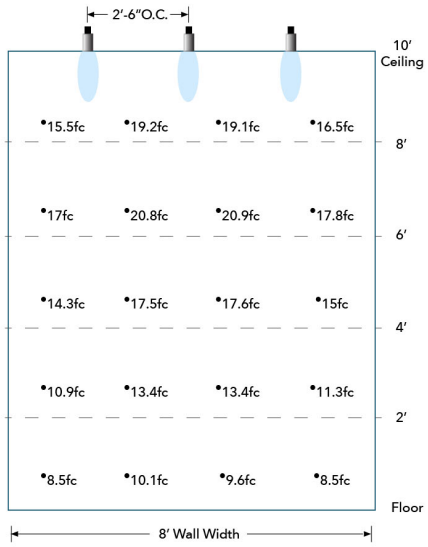
CCT Multiplier	
CCT	Citizen
2700	0.95
3000	1.00
3500	1.02
4000	1.03

All data based on 3000k in fixed position (CR4WW-SF). Ambient Dim based on 3000k at full output. *CZ28 requires active cooling and cannot be used with IC housing, Chicago Plenum or LP Driver.



All data below is based from goniometer measurement of production representative product.
All lumen values can vary +/- 10% from LED manufacturer rated nominal flux.





AGI Simulation of 3 Wall Wash fixtures in 8' square room at 10' ceiling height with 2.5' setback and (1:1) 2.5' spacing. Based on Ambient Dim Source

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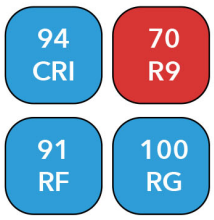
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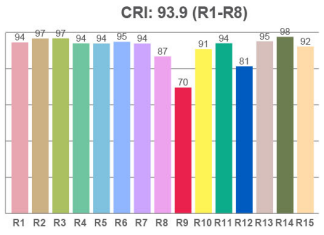
Color Data

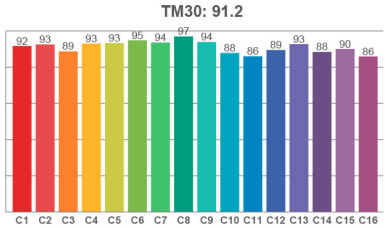
All data is based from goniometer measurements of production representative product. All values can vary +/- 10% from LED manufacturer rated data range. Measurements at 3000 CCT.

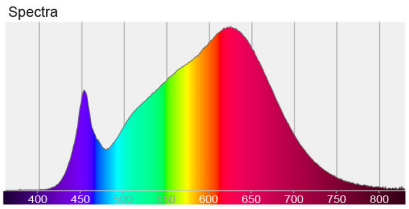
Citizen Sources - C14, C20 and C28

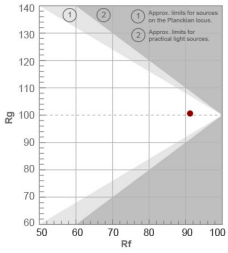
- <2 MacAdam Ellipse (<2 SDCM)
- 90+ CRI and RF
- 60+R9, Hue Bin 1



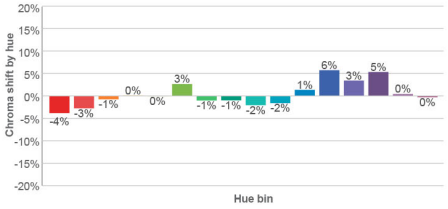






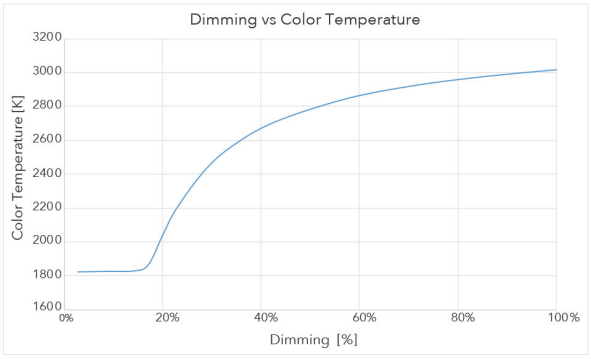






Ambient Dim - 3000k to 1900k

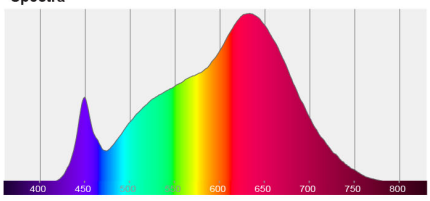
- <3 MacAdam Ellipse (<3 SDCM)
- 95+ CRI and RF
- 90+R9, Hue Bin 1
- Follows Black Body Locus through dimming range

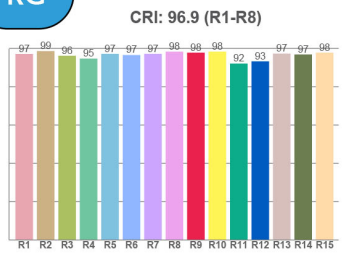


3000 CCT Full Output



Spectra

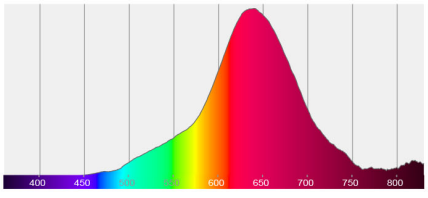


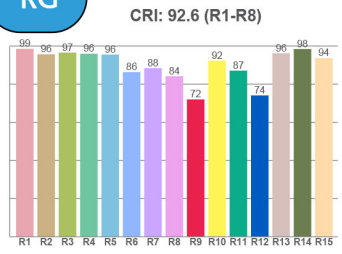


1850 CCT 5% Output



Spectra





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