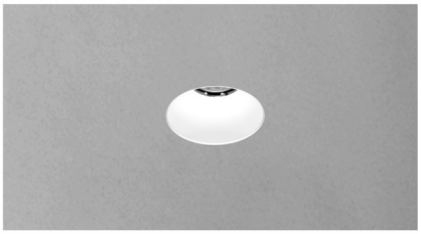
COPA 3" MINI

CP3 SERIES | Deep Regress Downlights





Trimmed With Flange



Trimless in Sheetrock and plaster only



Trimless in Wood Ceiling

Small and powerful runs in this family of 3" aperture recessed downlight that offer up to 1700 delivered lumens. This mini downlight family is complete with high performance and an expansive range of options for optics, trim styles, trim configurations, beam spreads, housings, mounting, and more – offering the flexibility your projects require. They are available in an expansive assortment of configurations to provide options for nearly every design requirement. It is a designer's favorite that delivers superior light in every application.





Feature

- Architectural Friendly: Up to 50,000 unique combinations
- Adjustable Ring: 360° rotation and a maximum 30° tilt angle
- 2 in 1 Dimming: 0-10V (Dim to 1%) and TRIAC in one package
- COB LED: 4 Fixed CCT 90+ CRI or Dim to Warm 95+ CRI options.
- Beam Angle: 4 optics series with 15°~60° options
- Trimmed, trimless with various shades options
- New construction and remodel driver options for any site condition

PERFORMANCE

Wattage Selectable	Round, 24° Beam @ 3000K		Square 24° Beam @ 3000K		Dim to Warm 3000K~2000K 95+ CRI
	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	
5W	95LM/W	475LM	95LM/W	475LM	Up to13W 1200LM 95LM/W
8W	100LM/W	800LM	96LM/W	768LM	
10W	99LM/W	990LM	95LM/W	950LM	
13W	95LM/W	1235LM	91LM/W	1183LM	
16W	91LM/W	1456LM	87LM/W	1390LM	
19W	89LM/W	1690LM	85LM/W	1615LM	

Remark: The lumens are subject to 3000K, 90+ CRI, 24° beam angle, white round trim with 360° horizontal adjustable holder.
Lumen output may vary ± 5% base on different CCT, beam angle, adjustable holder, trim shape and shade.

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PRODUCT ORDERING GUIDE

Example: CP3R-TW-19W-DT1-9027-B36-HA-RW-RM

CP - **[ ]** - **[ ]** - **19W** - **DT1** - **[ ]** - **[ ]** - **[ ]** - **[ ]**

Product Family
CP
COPA Downlight Series

Size and Shape
3R QuickShip
3inch Round

3S QuickShip
3inch Square

Flange Type
TW QuickShip
Trimmed With White Flange

TB QuickShip
Trimmed With Black Flange

TL QuickShip
Trimless

WC QuickShip
Trimless in Wood Ceiling

Wattage Selectable
19W QuickShip
Up to 19W, 1700LM (5W, 8W, 10W, 13W, 16W , 19W Field-selectable)

Dimming Options
DT1 QuickShip
0-10V, (Dim To 1%) Or TRIAC Dimming

CRI Options
90 QuickShip
90+ CRI

95 QuickShip
95+ CRI (ONLY For Dim To Warm)

LED Color Options
27 QuickShip
2700K Cree COB

30 QuickShip
3000K Cree COB

35 QuickShip
3500K Cree COB

40 QuickShip
4000K Cree COB

DW QuickShip
Dim to Warm 3000K~2000K Bridgelux COB (13W Max)

Beam Options
B15 QuickShip
Beam 15°

B24 QuickShip
Beam 24°

B36 QuickShip
Beam 36°

B60 QuickShip
Beam 60°

Low Glare Lens
L18 QuickShip
Beam 18°

L24 QuickShip
Beam 24°

L38 QuickShip
Beam 38°

L50 QuickShip
Beam 50°

Adjustable Holder
HA QuickShip
360° Horizontal Adjustment



TA QuickShip
Tilt Angle And 360° Horizontal Adjustment.





[ ] - **[ ]** - **[ ]** - **[ ]**

Trim Shade

Square



SW White QuickShip
SB Black QuickShip
SG Gold QuickShip
SC Chrome Silver QuickShip

Round



RW White QuickShip
RB Black QuickShip
RG Gold QuickShip
RC Chrome Silver QuickShip

Pinhole Round



PWW Inside White Outside White QuickShip
PBW Inside Black Outside White QuickShip
PGW Inside Gold Outside White QuickShip
PCW Inside Chrome Silver Outside White QuickShip
PWB Inside White Outside Black QuickShip
PBB Inside Black Outside Black QuickShip
PGB Inside Gold Outside Black QuickShip
PCB Inside Chrome Silver Outside Black QuickShip

Pinhole Oval



OWW Inside White Outside White QuickShip
OBW Inside Black Outside White QuickShip
OGW Inside Gold Outside White QuickShip
OCW Inside Chrome Silver Outside White QuickShip
OWB Inside White Outside Black QuickShip
OBB Inside Black Outside Black QuickShip
OGB Inside Gold Outside Black QuickShip
OCB Inside Chrome Silver Outside Black QuickShip

Round Wall Wash



WRW Round White QuickShip
WRB Round Black QuickShip

Square Wall Wash



WSW Round White QuickShip
WSB Round Black QuickShip

Mounting
RM QuickShip
Remodel (Non-IC, Install from Below)

NF QuickShip
New Construction-Frame Kit (Non-IC, Install from Above)

NH QuickShip
New Construction-Housing Insulation Kit (IC, Install from Above)

Optic Media(Optional)
{Blank}
None

HB QuickShip
Honeycomb
Only For Round Shade(RW,RB,RG,RC)
Square Shade(SW,SB,SG,SC)

WR QuickShip
Waterproof Plate (Wet Rated)
Only For Round Shade (RW,RB,RG,RC)

WS QuickShip
Waterproof Plate (Wet Rated)
Only For Square Shade(SW,SB,SG,SC)

Decorative Kit
Only For Round(RW,RB,RG,RC)
(Maximum 16W ONLY)

Yellow QuickShip
+ ● DYB ○ DYW

Green QuickShip
+ ● DGB ○ DGW

Transparent QuickShip
+ ● DTB ○ DTW

Blue QuickShip
+ ● DBB ○ DBW

Red QuickShip
+ ● DRB ○ DRW

Emergency (Optional)
{Blank}
None

EM QuickShip
16W LED Emergency Driver



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COPA 3" MINI

CP3 SERIES | Deep Regress Downlights

STRUCTURE

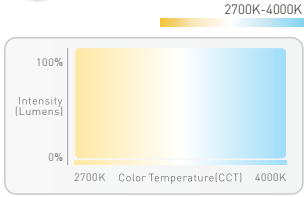
Finish

Forged Aluminum

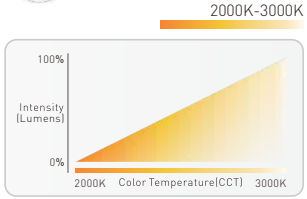
LED System

LED	Powered by CREE or Bridgelux high efficiency COB LED chip.
CRI	90+ for fixed CCT or 95+ CRI for Dim to Warm, producing outstanding illumination at a tight chromaticity specification and color binning process.
CCT	2700K,3000K, 3500K and 4000K fixed CCT with a great color consistency or Dim to Warm from 3000K to 2000K.
Light Engine Heatsink	Aluminum housing acting as the heat sink to maximize life. The temperature of all heatsinks are controlled at 60-70°C.

Fixed CCT
•2700K, 3000K, 3500K, 4000K
•90+CRI



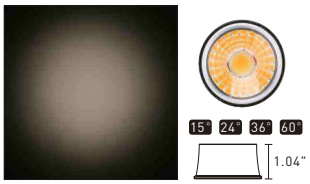
Dim to Warm
• 2000K - 3000K
• 95+CRI



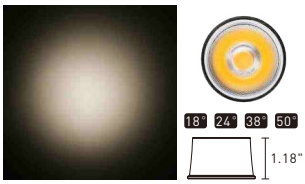
Lens

Classic reflector-like design provides high lighting transmittance. It effect in light control and anti-glare with side facula and fade-out facula. The MR16 standard size(diameter 1.96")design make them widely practical. Available in 15°~60° beam angles, beam spreads are interchangeable which can be easily swapped out in the field without tools.

Standard Lens



Low Glare Lens



Trim Finish / Shade

Powder coat white and black finishes offer uniform finish providing long term performance and superior aesthetic, compatible for multiple trim shades.

Electrical

LED Driver	It is powered by Class 2 high efficiency LED driver, with a standard 0-10V dimming which continuous dims to 1% or Triac dimming that works with many types of controls. Thermal overload protection shuts down the luminaire when system temperatures exceed designed operating conditions.
THD	<20%
Power Factor	>0.9
Input Voltage	Standard electronic drivers are cULus recognized and available for 110-277V AC.
Environment	Environment damp rated for ambient operating temperature of -20°C to +40°C (-4° to+104°F)

Installation

Twist & Lock feature for easy trim installation.
Durable tension clips are allowing for fast and easy flush installation.

Listings

- cULus listed for damp locations
- Five-year warranty for parts and components. (Labor not included)

NOTES:
- Ambient temperatures at fixture location should not exceed 40°C during normal operation.
- For interior use only

Dimmer Compatible

0-10V Dimming (Dim to 1%)

LEVITON DD710	LUTRON NTSTV-DV	LEGRAND RH4FBL3	LUTRON DVSTV	LEVITON IP710
✓	✓	✓	✓	✓

TRIAC Dimming

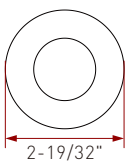
LUTRON DV600P	LUTRON DVCL-153P	LEVITON 6683	LUTRON DV603P	LEVITON 6672	LUTRON S-603P	LUTRON LG-600P
✓	✓	✓	✓	✓	✓	✓

LUTRON MSCL-DP153M	LUTRON TGCL-153DH	LUTRON SCL-153P	LUTRON CTCL-153P	LUTRON CT-603PG
✓	✓	✓	✓	✓

LIGHT-EMITTING DIMENSION

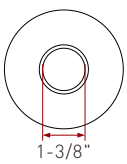
Round





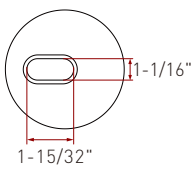
Pinhole Round





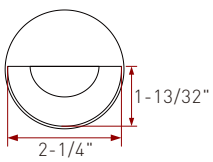
Pinhole Oval





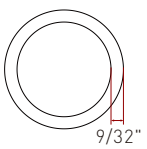
Round Wall Wash



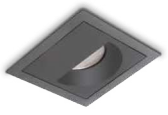


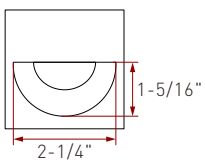
Decorative Kit





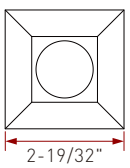
Square Wall Wash





Square





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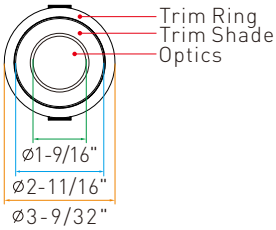
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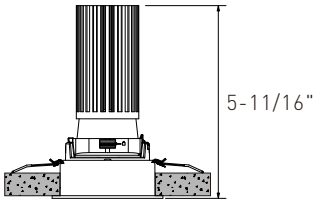
DIMENSIONS

CP3R-TW / TB

3" Round Trim







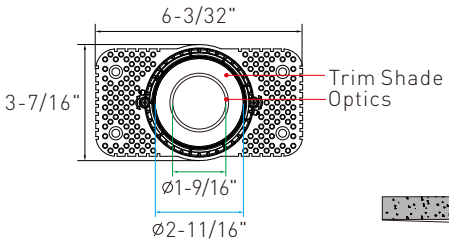


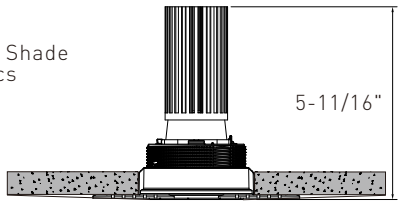
Opening Size Reference: ϕ3" (Round Hole)

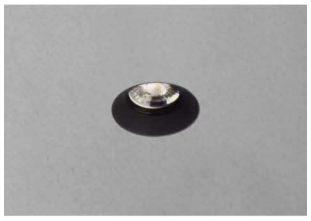
CP3R-TL

3" Round Trimless







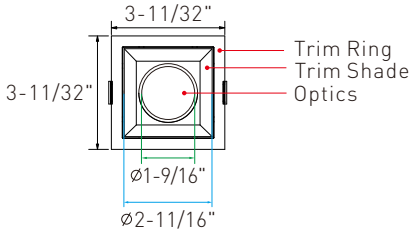


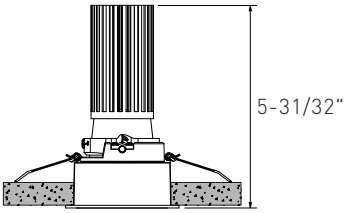
Opening Size Reference: ϕ3-1/2" (Round Hole)

CP3S-TW / TB

3" Square Trim







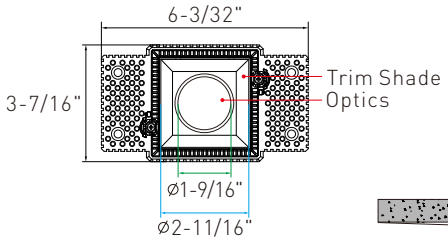


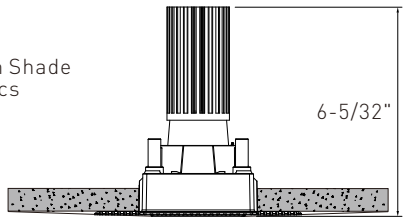
Opening Size Reference: 3"×2-7/8"(Rectangle Hole)

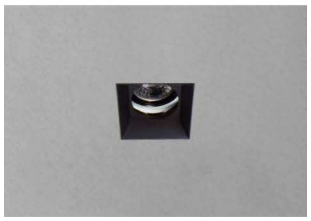
CP3S-TL

3" Square Trimless









Opening Size Reference: 3-1/2"×3-5/16"(Square Hole)

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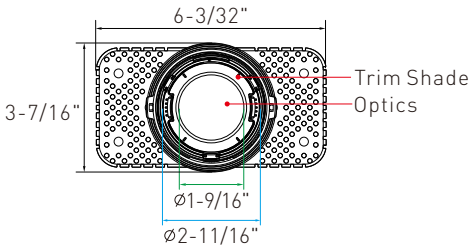
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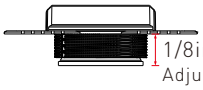
DIMENSIONS

CP3R-WC

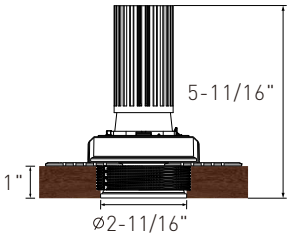
3" Round Trimless in Wood Ceiling

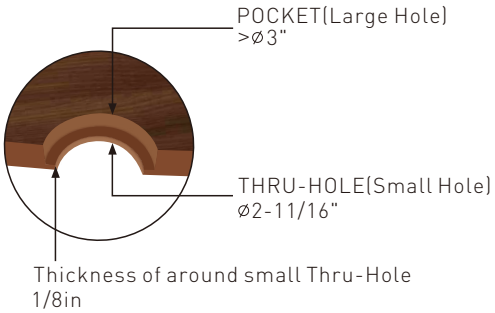










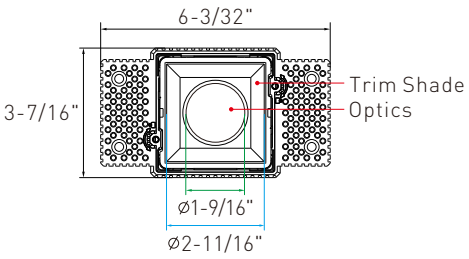


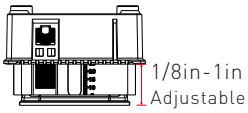


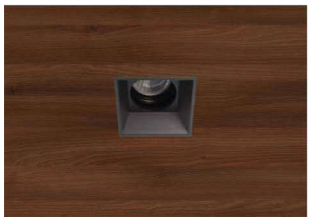
CP3S-WC

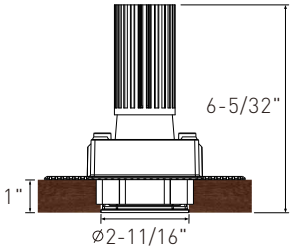
3" Square Trimless in Wood Ceiling

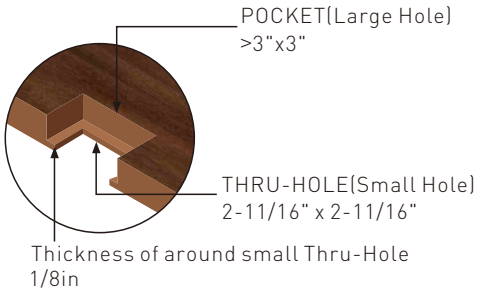


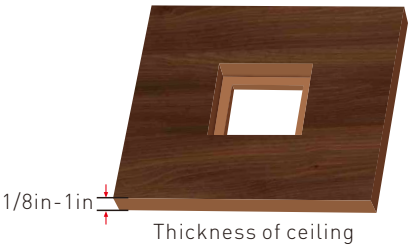










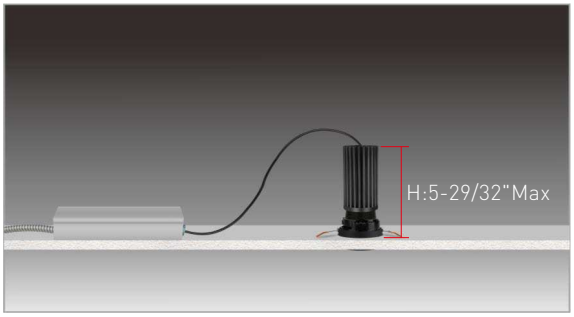


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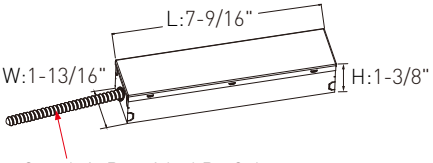
MOUNTING

Remodel(NON-IC Rated, Install From Below)

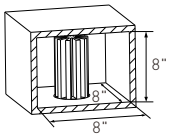


It can be installed in existing ceilings for remodel application.
Simple cut a hole in existing drywall ceilings.

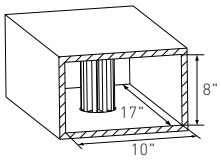
Remote Driver Box
1 Downlight per Remote Driver



Mounting Space Required
Up to 10W: Min 8"×8"×8"



Up to 19W: Min 17"×10"×8"

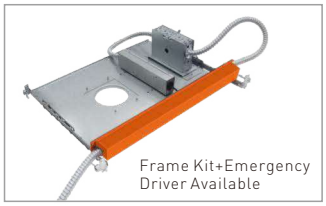


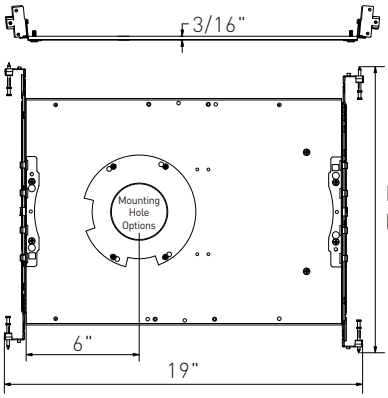
New Construction-Frame Kit (NON-IC Rated, Install From Above)

A rough-in frame option is available for all new constructions and a variety of ceiling types. LED driver box rests on the frame kit by magnet when installed as shown below.

Mounting Space Required
Frame Kit (NON-IC)
Min 14"×19"×8"
Max 24"×19"×8"



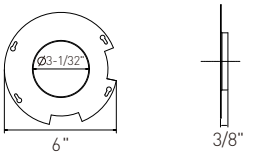




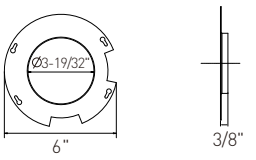
Min.14" – Max.24"
(Telescopic)

Mounting Hole Options

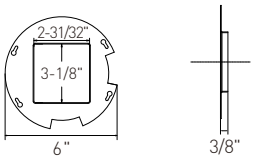
3" Round Trim



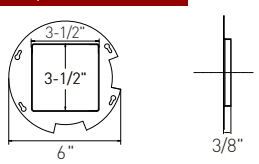
3" Round Trimless



3" Square Trim



3" Square Trimless



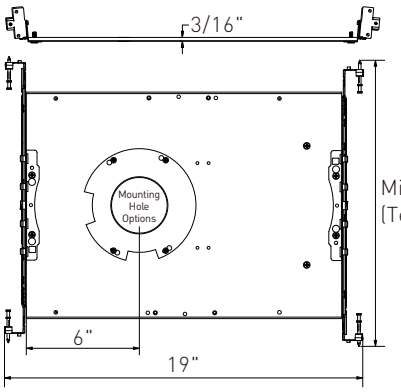
New Construction-Housing Insulation Kit (IC Rated, Install From Above)

An IC-rated housing frame kit allows placement of 3inch LED downlight in direct contact with insulation.

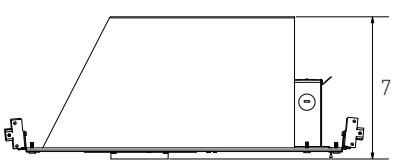
Mounting Space Required
Housing Insulation Kit (IC)
Min 14"×19"×7-5/16"
Max 24"×19"×7-5/16"

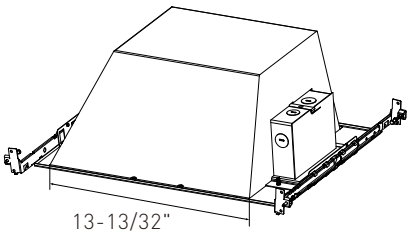






Min.14" – Max.24"
(Telescopic)



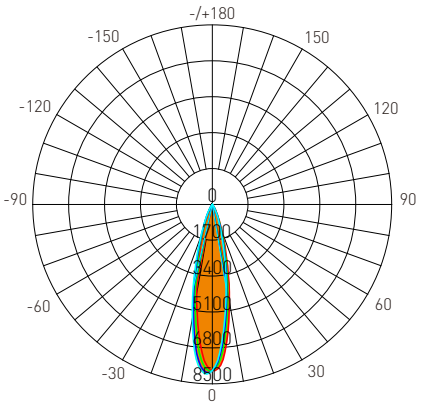


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DISTRIBUTION DIAGRAM

3" Round / 19W / 3000K / 24°



AVERAGE BEAM ANGLE(50%): 22.6°

Lumens: 1687.3 Lm
Watts: 19 W
LPW: 89.60 Lm/W
CCT: 3000K

UNIT:cd
C0/180,22.6 °
C30/210,22.5 °
C60/240,22.6 °
C90/270,22.5 °

Zonal Flux Diagram

T	C0	C45	C90	C135	C180
10	4692	4157	3789	3903	4333
20	1363	1157	1005	1035	1168
30	307.5	269.5	220.7	207.2	240.7
40	14.08	14.54	14.73	14.24	13.66
50	4.167	4.152	4.343	4.449	4.585
60	2.910	3.014	3.282	3.277	3.334
70	1.667	1.879	2.086	2.094	1.894
80	0.4451	0.4716	0.6493	0.5151	0.4606
90	0.0311	0.0135	0.0317	0.0091	0.0223
100	0.0266	0.0450	0.0227	0.0453	0.0444
110	0.2036	0.2749	0.3032	0.3265	0.0979
120	1.077	1.306	1.511	1.500	0.5293
130	3.854	4.383	4.893	4.808	2.099
140	8.471	9.035	9.516	9.460	6.040
150	11.99	12.27	12.49	12.45	10.65
160	13.21	13.05	13.10	12.98	12.59
170	11.69	11.24	11.06	10.99	11.16
180	9.987	10.21	10.16	10.30	10.01
DEG	LUMINOUS INTENSITY:cd				

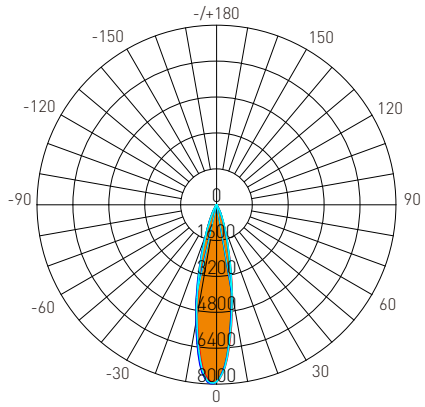
Zonal Lumens

T	ϕ total
0-10	576.8
10-20	1287
20-30	1588
30-40	1652
40-50	1658
50-60	1661
60-70	1664
70-80	1665
80-90	1665
90-100	1665
100-110	1665
110-120	1666
120-130	1667
130-140	1671
140-150	1677
150-160	1683
160-170	1686
170-180	1687
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	180	638
80	744	1063
75	1112	1426
70	1414	1735
65	1711	1995
60	1689	1866
55	1756	1832
50	1881	1921
45	2314	2250

3" Square / 19W / 3000K / 24°



AVERAGE BEAM ANGLE(50%): 22.5°

Lumens: 1609.3 Lm
Watts: 19 W
LPW: 85.64 Lm/W
CCT: 3000K

UNIT:cd
C0/180,22.5 °
C30/210,22.5 °
C60/240,22.8 °
C90/270,22.5 °

Zonal Flux Diagram

T	C0	C45	C90	C135	C180
10	4048	3864	3957	4441	5003
20	990.0	983.0	1048	1205	1367
30	188.4	199.2	211.4	234.7	273.7
40	11.87	15.51	12.83	17.25	14.22
50	7.034	7.424	7.276	7.575	7.011
60	6.750	7.004	7.307	8.800	6.668
70	1.541	2.531	1.626	3.081	1.640
80	0.4825	0.4814	0.6059	0.4547	0.4580
90	0.0315	0.0225	0.0454	0.0226	0.0270
100	0.0270	0.0496	0.0316	0.0406	0.0540
110	0.2110	0.2483	0.2026	0.1987	0.0990
120	1.222	1.277	1.199	1.043	0.3785
130	4.310	4.431	4.330	3.869	1.564
140	8.860	8.974	8.882	8.419	5.014
150	11.92	11.94	11.92	11.68	9.680
160	12.72	12.49	12.62	12.55	12.14
170	10.70	10.46	10.70	10.82	11.03
180	9.356	9.628	9.623	9.696	9.401
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

T	ϕ total
0-10	198.8
10-20	656.9
20-30	1051
30-40	1188
40-50	1209
50-60	1215
60-70	1219
70-80	1221
80-90	1221
90-100	1221
100-110	1221
110-120	1222
120-130	1224
130-140	1227
140-150	1230
150-160	1234
160-170	1236
170-180	1237
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	140	554
80	619	774
75	849	911
70	1004	1055
65	2826	2900
60	3007	3243
55	2626	2749
50	2437	2512
45	2299	2348

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