# **SIGN TRIMLESS**

## A37614-

base number	LED	Color
	Dimming	Temperature

\_

1. To build a product code in our configurator select the specify button on the base model # product page

2. 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: Sign
Brand: Prolicht
Division: Architectural
Mounting Type: Trimless
Mounting Location: Ceiling
Subcategory: Ambient
PHYSICAL
Shape: Round
Diameter (mm): 300
Diameter (in): 11 <sup>13</sup> / <sub>16</sub>
Height (mm): 85
Height (in): 3 <sup>3</sup> / <sub>8</sub>
Min. Recessing Depth (mm): 100
Min. Recessing Depth (in): 3 <sup>15</sup> / <sub>16</sub>
Light Distribution: Direct
Weight (kg): 1.296
Weight (lbs): 2.857
Diffuser: PMMA - Opal
Fixture Material: Extruded Aluminum / Steel
Cut-out Measurements: 325mm / 12 13/16"
Upon Request: Unique Sizes Unique Ceiling Thickness Unique Mounting Depth Spot Inserts

#### ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 14
Total Output Wattage (W): 13.8
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Current - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Constant Current (MA): 500

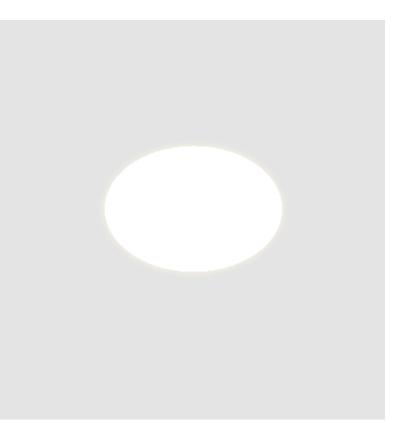
### LED

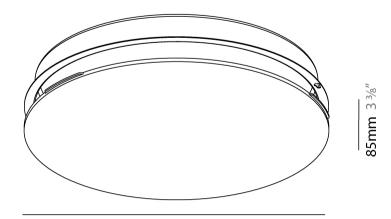
Color Temperature (°K): 3000 / 4000	
/ax. Delivered Lumen (lm): 1080 / 1294	
lominal Lumen (lm): 1860 / 2220	
CRI: >80 CRI	
fficiency (%): 65% (5mm Perspex) 68%	
amp Life (hrs): 50000	
Jpon Request: RGB-W Tunable White Special Color Temperature	e CRI90

#### **RATINGS AND CERTIFICATIONS**

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

DATE			
QUANTITY			
SPECIFIER			
TYPE			
PROJECT			





Ø 300mm 11<sup>13</sup>/16"



Page 1/16

Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

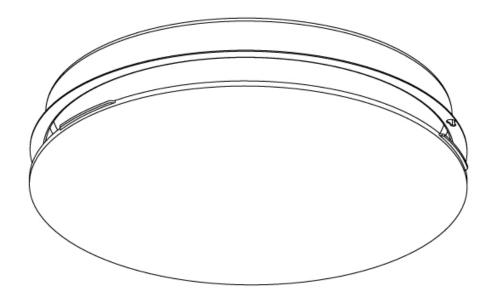
Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.



A37614-

-----

PROJECT
ТҮРЕ
SPECIFIER
QUANTITY
DATE



Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com. In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

# **SIGN TRIMLESS**

### A37618-

base number	LED	Color
	Dimming	Temperature

1.To build a product code in our configurator select the specify button on the base model # product page

2. 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: Sign			
Brand: Prolicht			
Division: Architectural			
Mounting Type: Trimless			
Mounting Location: Ceiling			
Subcategory: Ambient			
PHYSICAL			
Shape: Round			
Diameter (mm): 380			
Diameter (in): 14 <sup>15</sup> / <sub>16</sub>			
Height (mm): 85			
Height (in): 3 <sup>3</sup> / <sub>8</sub>			
Light Distribution: Direct			
Weight (kg): 2.086			
Weight (lbs): 4.599			
Diffuser: PMMA - Opal			
Fixture Material: Extruded Aluminum / Steel			
Cut-out Measurements: 405mm / 15 15/16"			
Upon Request: Unique Sizes Unique Ceiling Thickness Unique Mounting Depth Spot Inserts			
ELECTRICAL			
Lamp Type: LED (Zhaga Standard)			
Input Wattage (W): 25.3 / 22 (4000K)			
Total Output Wattage (W): 22.9 / 20.1 (4000K)			
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only)			
and 0-10V Dimming)			
Driver Included: Yes			
Driver Location: Integrated			
Driver Type: Constant Current - Universal			
Driver Class: Class 2			

Input Voltage (V): 120 - 277 Constant Current (MA): 700

#### LED

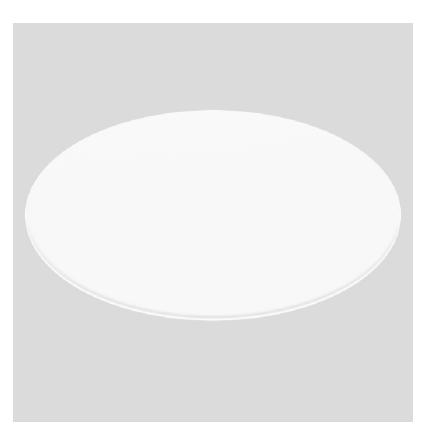
Color Temperature (°K): 3000 / 4000 Max. Delivered Lumen (lm): 2080 / 2038 / 1900 CRI: >80 CRI Efficiency (%): 65% (5mm Perspex)|69% Lamp Life (hrs): 50000 Upon Request: RGB Tunable White Special Color Temperature CRI90 OPTICAL

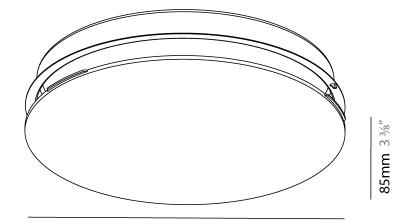
## RATINGS AND CERTIFICATIONS

Certified	By: Certified for North American Standards

IP rating: IP20

PROJECT TYPE SPECIFIER QUANTITY DATE





Ø 380mm 14 15/16"

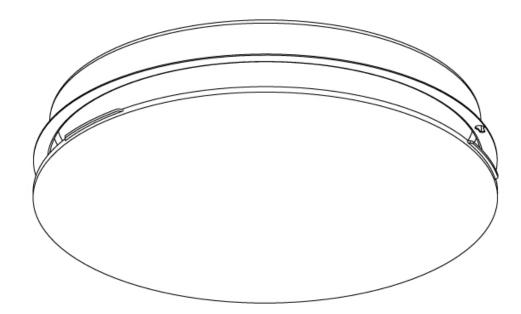
Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.



A37618-

PROJECT
ТҮРЕ
SPECIFIER
QUANTITY
DATE



Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com. In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

## **SIGN TRIMLESS**

#### A37669-

base number	L ED	Color
base number	Dimming	Temperature

\_

1.To build a product code in our configurator select the specify button on the base model # product page

2. 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: Sign
Brand: Prolicht
Division: Architectural
Mounting Type: Trimless
Mounting Location: Ceiling
Subcategory: Ambient
PHYSICAL
Shape: Round
Diameter (mm): 140
Diameter (in): $5\frac{1}{2}$
Height (mm): 124
Height (in): 4 <sup>7</sup> / <sub>8</sub>
Light Distribution: Direct
Weight (kg): 0.632
Weight (lbs): 1.39
Diffuser: PMMA - Opal
Fixture Material: Extruded Aluminum / Steel
Cut-out Measurements: 165mm / 6 1/2"
Upon Request: Unique Sizes Unique Ceiling Thickness Unique Mounting Depth Spot Inserts
ELECTRICAL
Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 8.8
Total Output Wattage (W): 8
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: Yes
Define a la cation Esternal

Driver Location: External	
Driver Type: constant Current - Universal	
Driver Class: Class 2	
Input Voltage (V): 120 - 277	
Constant Current (MA): 350	

#### LED

Color Temperature (°K): 3000 / 4000
Max. Delivered Lumen (lm): 610 / 656 / 670
CRI: >80 CRI
Efficiency (%): 0.68
Lamp Life (hrs): 50000
Upon Request: RGB-W Tunable White Special Color Temperature CRI90

#### OPTICAL

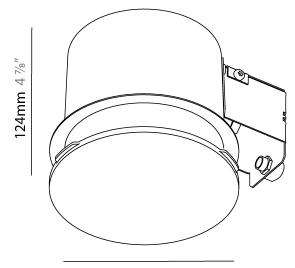
#### RATINGS AND CERTIFICATIONS

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

PROJECT

ТҮРЕ			
SPECIFIER			
QUANTITY			
DATE			





Ø 140mm 5 1/2"

165mm

Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.

In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

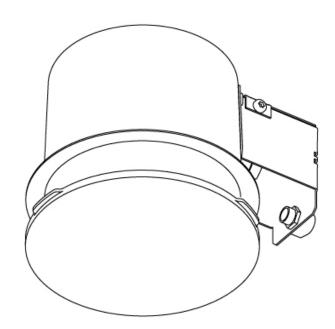
Page 5/16



A37669-

PROJECT

PROJECT		
ТҮРЕ		
SPECIFIER		
QUANTITY		
DATE		



Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com. In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

## **SIGN TRIMLESS**

## A37674-

base number	LED	Color
	Dimming	Temperature

\_

 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

2. 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: Sign					
Brand: Prolicht					
Division: Architectural					
Mounting Type: Trimless					
Mounting Location: Ceiling					
Subcategory: Ambient					
PHYSICAL					
Shape: Round					
Diameter (mm): 200					
Diameter (in): 7 $\frac{7}{8}$					
Height (mm): 155					
Height (in): 6 1/8					
Light Distribution: Direct					
Weight (kg): 1.338					
Weight (lbs): 2.95					
Diffuser: PMMA - Opal					
Fixture Material: Extruded Aluminum / Steel					
Cut-out Measurements: 225mm / 8 7/8"					
Upon Request: Unique Sizes Unique Ceiling Thickness Unique Mounting Depth Spot Inserts					
ELECTRICAL					
Lamp Type: LED (Zhaga Standard)					
Input Wattage (W): 13.2					
Total Output Wattage (W): 12					
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only)					
and 0-10V Dimming)					
Driver Included: Yes					
Driver Location: Integrated					
Driver Type: Constant Current - Universal					

Driver	Type.	Constant	Cui
Driver	Class:	Class 2	

Input Voltage (V): 120 - 277
Constant Current (MA): 350

#### LED

Color Temperature (°K): 3000 / 4000	
Max. Delivered Lumen (lm): 910	
CRI: >80 CRI	

Efficiency (%): 0.68
Lamp Life (hrs): 50000
Upon Request: RGB-W Tunable White Special Color Temperature CRI90

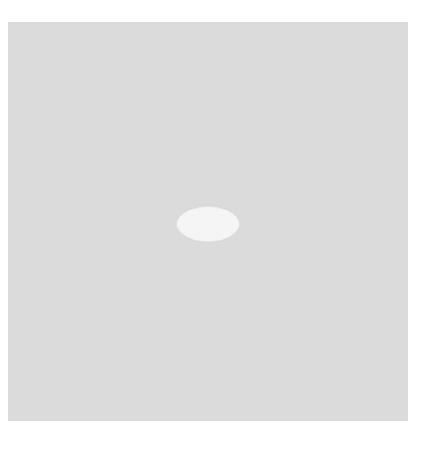
#### OPTICAL

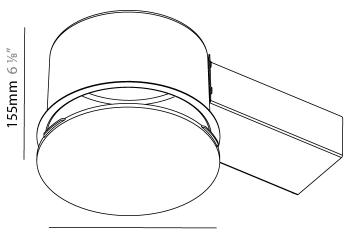
#### RATINGS AND CERTIFICATIONS

Certified	By: Certified for North American Standards
	1000



PROJECT TYPE SPECIFIER QUANTITY DATE





Ø 200mm 7 %"



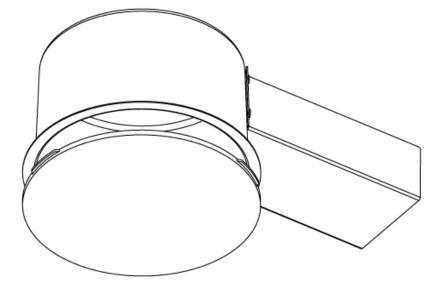
Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.



A37674-

PROJECT			
ТҮРЕ			
SPECIFIER			
QUANTITY			
DATE			
			-



Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com. In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

# **SIGN TRIMLESS**

### A37697-

base number	LED	Color	
	Dimming	Temperature	

\_

1.To build a product code in our configurator select the specify button on the base model # product page

2. 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: Sign
Brand: Prolicht
Division: Architectural
Mounting Type: Trimless
Mounting Location: Ceiling
Subcategory: Ambient
PHYSICAL
Shape: Round
Diameter (mm): 630
Diameter (in): 24 <sup>13</sup> / <sub>16</sub>
Height (mm): 165
Height (in): 6 ½
Light Distribution: Direct
Weight (kg): 8.3
Weight (lbs): 18.298
Diffuser: PMMA - Opal
Fixture Material: Extruded Aluminum / Steel
Cut-out Measurements: 655mm / 25 13/16"
Upon Request: Unique Sizes Unique Ceiling Thickness Unique Mounting Depth Spot Inserts
ELECTRICAL
Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 66.5
Total Output Wattage (W): 57
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only)
and 0-10V Dimming)
Driver Included: Yes
Driver Location: Integrated

Driver Type: Constant Current - Universal

Driver Class: Class 2 Input Voltage (V): 120 - 277

## Constant Current (MA): 500

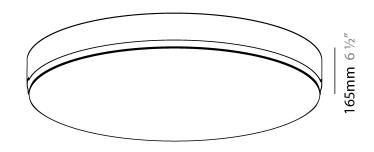
### LED

Color Temperature (°K): 2700 / 3000 / 3500 / 4000
Max. Delivered Lumen (lm): 5535 / 6194 / 6358 / 6594
Nominal Lumen (lm): 7410 / 8292 / 8512 / 8828
CRI: >80 CRI
Efficiency (%): 65% (5mm Perspex) 74%
Lamp Life (hrs): 50000
Upon Request: RGB-W Tunable White Special Color Temperature CRI90

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

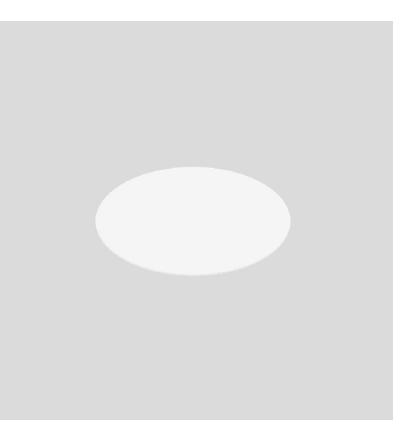
Certified By: Certified for North American Standards
IP rating: IP20



Ø 630mm 24 13/16"

PROJECT

PROJECT		
ТҮРЕ		
SPECIFIER		
QUANTITY		
DATE		



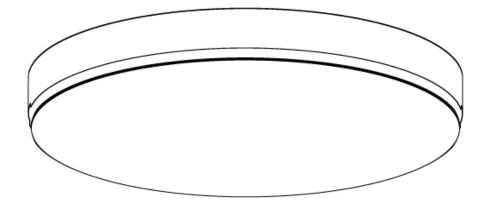
#### Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.



A37697-

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			



Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com. In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

Page 10/16



# **ZANEEN**<sub>®</sub>

## **SIGN TRIMLESS**

### A37701-

base number	LED	Color	
	Dimming	Temperature	

1. To build a product code in our configurator select the specify button on the base model # product page

2. 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: Sign
Brand: Prolicht
Division: Architectural
Mounting Type: Trimless
Mounting Location: Ceiling
Subcategory: Ambient
PHYSICAL
Shape: Round
Diameter (mm): 930
Diameter (in): 36 <sup>5</sup> / <sub>8</sub>
Height (mm): 165
Height (in): 6 ½
Light Distribution: Direct
Weight (kg): 16.1
Weight (lbs): 35.49
Diffuser: PMMA - Opal
Fixture Material: Extruded Aluminum / Steel
Cut-out Measurements: 955mm / 37 5/8"
Upon Request: Unique Sizes Unique Ceiling Thickness Unique Mounting Depth Spot Inserts
ELECTRICAL
Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 129.5
Total Output Wattage (W): 111
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only)
and 0-10V Dimming)
Driver Included: Yes
Driver Location: Integrated

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): 10779 / 12062 / 12382 / 12842

OPTICAL
Upon Request: RGB-W Tunable White Special Color Temperature CRI90
Lamp Life (hrs): 50000
Efficiency (%): 65% (5mm Perspex) 77%
CRI: >80 CRI
Nominal Lumen (lm): 14430 / 16148 / 16576 / 17191
Max. Delivered Lumen (iii): 10779/12062/12382/12842

#### RATINGS AND CERTIFICATIONS

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

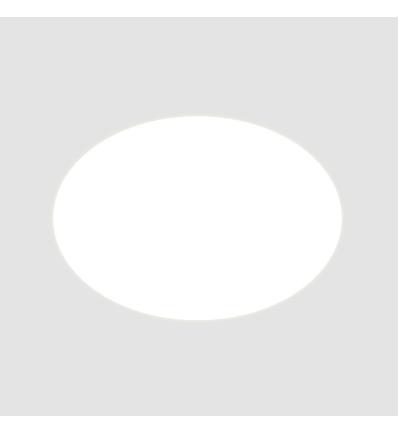
165mm 6 <sup>1</sup>/<sub>2</sub>"

Ø 930mm 36 5/8"

955mm

PROJECT

TYPE SPECIFIER QUANTITY DATE

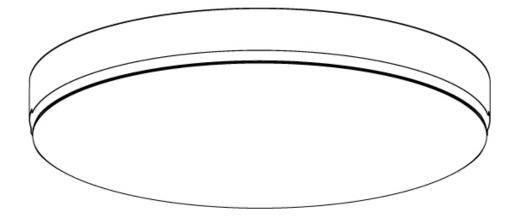


Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.



A37701-

PROJECT			
ТҮРЕ			
SPECIFIER			
QUANTITY			
DATE			



А

Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com. In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

# **ZANEEN**<sub>®</sub>

# **SIGN TRIMLESS**

#### A37705-

base number	LED	Color
	Dimming	Temperature

\_

1. To build a product code in our configurator select the specify button on the base model # product page

2. 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: Sign
Brand: Prolicht
Division: Architectural
Mounting Type: Trimless
Mounting Location: Ceiling
Subcategory: Ambient
PHYSICAL
Shape: Round
Diameter (mm): 1230
Diameter (in): 48 <sup>7</sup> / <sub>16</sub>
Height (mm): 165
Height (in): $6\frac{1}{2}$
Light Distribution: Direct
Weight (kg): 26.9
Weight (lbs): 59.304
Diffuser: PMMA - Opal
Fixture Material: Extruded Aluminum / Steel
Cut-out Measurements: 1255mm / 49 7/16"
Upon Request: Unique Sizes Unique Ceiling Thickness Unique Mounting Depth Spot Inserts
ELECTRICAL
Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 213.5
Total Output Wattage (W): 183
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only)
and 0-10V Dimming)
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Current - Universal
Driver Class: Class 2

Input Voltage (V): 120 - 277 Constant Current (MA): 500

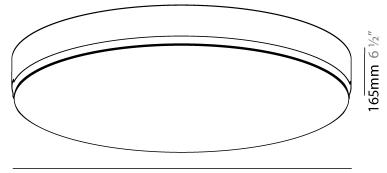
#### LED

Color Temperature (°K): 2700 / 3000 / 3500 / 4000
Max. Delivered Lumen (lm): 18650 / 20070 / 20480
CRI: >80 CRI
Efficiency (%): 65% (5mm Perspex) 80%
Lamp Life (hrs): 50000
Upon Request: RGB-W Tunable White Special Color Temperature CRI90

#### OPTICAL

#### RATINGS AND CERTIFICATIONS

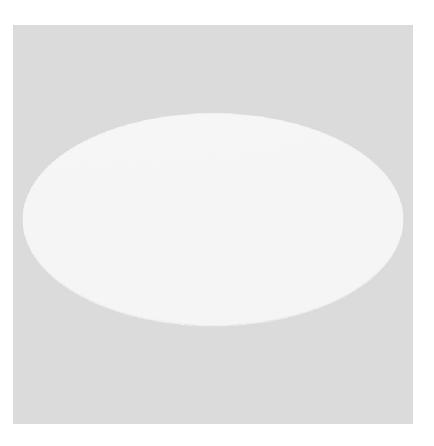
Certified By: Certified for North American Standards	
IP rating: IP20	



Ø 1230mm 48 7/16"

1225mm

ТҮРЕ
SPECIFIER
QUANTITY
DATE



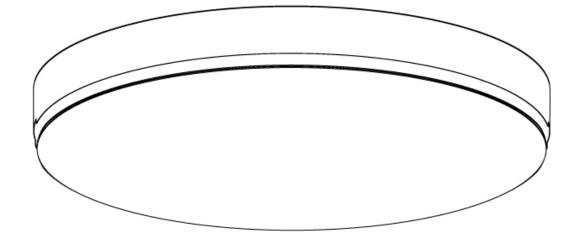
Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.



A37705-

PROJECT
ТҮРЕ
SPECIFIER
QUANTITY
DATE



А

Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com. In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com



SIGN COLOR FINISH CHART PROJECT

**Fixture Finish** 

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.



Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com. In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

SIGN

PROJECT

TYPE

SPECIFIER

QUANTITY

DATE

# LEGEND

↓_	floor-mounted	¥	pivotable	$\circledast$	special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
$\overline{}$	wall and ceiling: recessed and surface mounted	C	rotating	0	warm dim / natural dimming LED
$\uparrow$	ceiling-mounted and wall-mounted	Œ	illuminate tilted	Ø	rechargeable battery powered
$\rightarrow$	wall-mounted	Р	color of suspension cable	1111 1100	fixture with natural vivid LED (upon request)
Y	omni-directional light distribution	<b>←</b>	length of suspension cable	CRI	color rendering index
	direct light distribution	Δ	reflector degree selection	€К	color temperature
	direct/indirect light distribution	s s	super spot	LM	lumen (luminous flux)
$\mathbf{\overline{\mathbf{x}}}$	indirect light distribution	*	lens	₩.	efficacy (lumens per watt)
	asymmetric light distribution	Ð	lens pack	UGR	Unified Glare Rating (UGR) range from 5-40
	aura light distribution	0	shine ring	-	marine grade (AISI 316 stainless steel)
R	round wall or ceiling cut-out	$\odot$	integrated shine ring with diffuser	٢	walk on
4	square wall or ceiling cut-out	Ū.	free individual colors 01-29		drive on
d	the supplied jig specifies the cutout dimensions	Ū.	individual colors: 00 (free of charge), 01-25 (extra charge)	<b>OSC</b>	Dark Sky Compliance
<b>(</b> +,+)	minimum distance (meters) lamp - object	۲	luminaire part to be colored (F1)	Ġ	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)	(ه)	acoustic material
	dimmable DP (phase), DV (0-10V), DD (dali), DS (step-dim)		luminaire part to be colored (F5)		protection class I, protection insulation
<b>6</b>	included or excluded LED driver/transformer/ control gear		color of 3-circuit adaptor		protection class II, protection insulation
У	separately switchable	$\odot$	indirect diffuser		ETL Certified to UL and CSA Standards
<b>シ</b> リ	sensor	D	direct diffuser	c (UL) us	UL Certified to UL and CSA Standards
Ĩ	remote control	$\odot$	ball-proof (upon request)	<b>S</b> .	CSA Certified to UL and CSA Standards
2	available upon request	0	accessory	$(\mathbb{Z})$	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**

КО1	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)
КОЗ	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)
КО5	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
КОб	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)
КОВ	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)