TUBE POST

E9B038-

base number Color Finish Temperature Options

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: Tube
Brand: Platek
Division: Exterior
Mounting Type: Post
Mounting Location: Above Ground
Subcategory: Bollard - Mini
PHYSICAL
Shape: Cylinder
Diameter (mm): 160
Diameter (in): 6 ⁵ / ₁₆
Height (mm): 260
Height (in): 10 $\frac{1}{4}$
Light Distribution: Omnidirectional
Screws: A4 stainless steel
Diffuser: Opal Diffused
Fixture Finish: BLK / WHI / GRY / COR / ANT / BRZ
Fixture Material: Extruded Aluminum
ELECTRICAL
Lamp Type: LED
Input Wattage (W): 10
Total Output Wattage (W): 8
Dimming: Non-Dimming / Phase Dimming (120vac Only)
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Current - 120 / 277Vac
Driver Class: Class 2
Input Voltage (V): 120 - 277

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

Upon Request: (Not included - see components [IP65 or higher enclosure to be supplied by others]): Remote: 0-10Vdc dimming

LED

Number of LEDs: 8	
Color Temperature (°K): 3000 / 4000	
Max. Delivered Lumen (lm): 415 - 610 / 430 - 635	
Nominal Lumen (lm): 1520 / 1600	
CRI: >80 CRI	
Lamp Life (hrs): 60000	
· · · ·	

OPTICAL

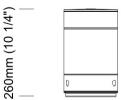
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards
IP rating: IP65
IK Rating: IK10

PROJECT

PROJECT			
ТҮРЕ			
SPECIFIER			
QUANTITY			
DATE			







Ø 160mm (6 5/16")

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

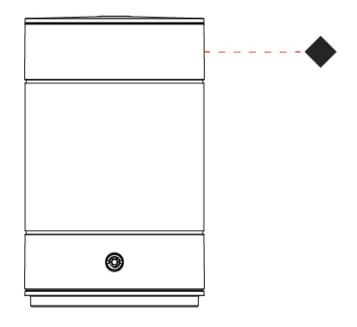
Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.

F

TUBE POST

E9B038-

PROJECT
ТҮРЕ
SPECIFIER
QUANTITY
DATE



Е

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

TUBE POST

E9B039-

Finish base number Color Temperature Options

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: Tube
Brand: Platek
Division: Exterior
Mounting Type: Post
Mounting Location: Above Ground
Subcategory: Bollard
PHYSICAL
Shape: Cylinder
Diameter (mm): 160
Diameter (in): 6 ⁵ / ₁₆
Height (mm): 1000
Height (in): 39 $\frac{3}{8}$
Light Distribution: Omnidirectional
Screws: A4 stainless steel
Diffuser: Opal Diffused
Fixture Finish: BLK / WHI / GRY / COR / ANT / BRZ
Fixture Material: Extruded Aluminum
ELECTRICAL
Lamp Type: LED
Lamp Type: LED

ELECTRICAL
Lamp Type: LED
Input Wattage (W): 20
Total Output Wattage (W): 17
Dimming: Non-Dimming / Phase Dimming (120vac Only)
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Current - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Constant Current (MA): 700
Upon Request: Remote: 0-10Vdc dimming
LED
Number of LEDs: 8
Color Temperature (°K): 3000 / 4000
Max. Delivered Lumen (lm): 920 - 1250 / 955 - 1300
Nominal Lumen (lm): 2000 / 2080
CRI: >80 CRI
Lamp Life (hrs): 60000

LED Number of LEDc: 9

Number of LEDS: 8
Color Temperature (°K): 3000 / 4000
Max. Delivered Lumen (lm): 920 - 1250 / 955 - 1300
Nominal Lumen (lm): 2000 / 2080
CRI: >80 CRI
Lamp Life (hrs): 60000

OPTICAL

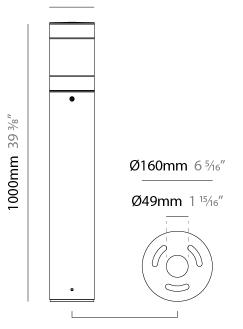
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards
IP rating: IP65
IK Rating: IK10

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.

Ε

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

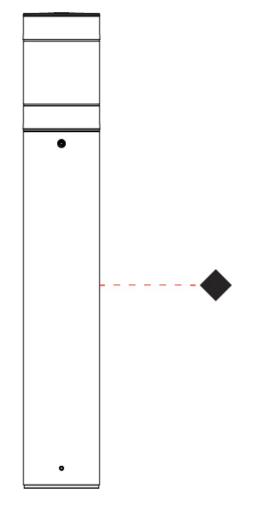
May 7, 2024, 4:22 am

Page 3/18

TUBE POST

E9B039-

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

TUBE POST

E9B040-

base number	Color	Finish
	Temperature	Options

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: Tube
Brand: Platek
Division: Exterior
Mounting Type: Post
Mounting Location: Above Ground
Subcategory: Pedestrian
PHYSICAL
Shape: Cylinder
Diameter (mm): 160
Diameter (in): 6 ⁵ / ₁₆
Height (mm): 3000
Height (in): 118 $\frac{1}{8}$
Light Distribution: Omnidirectional
Screws: A4 stainless steel
Diffuser: Opal Diffused
Fixture Finish: BLK / WHI / GRY / COR / ANT / BRZ
Fixture Material: Extruded Aluminum
ELECTRICAL
Lamp Type: LED
Input Wattage (W): 42

Lamp Type: LED
Input Wattage (W): 42
Total Output Wattage (W): 38
Dimming: Non-Dimming / Phase Dimming (120vac Only)
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Current - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Constant Current (MA): 1050
Upon Request: (Not included - see components [IP65 or higher enclosure to be supplied by others]): Remote: 0-10Vdc dimming
LED

Number of LEDs: 24

Color Temperature (°K): 3000 / 4000
Max. Delivered Lumen (lm): 2015 - 2835 / 2095 - 2950
Nominal Lumen (lm): 4560 / 4800
CRI: >80 CRI
Lamp Life (hrs): 60000

OPTICAL

RATINGS AND CERTIFICATIONS

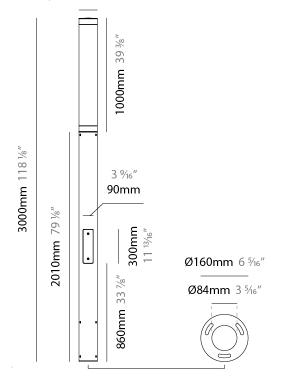
Certified By: Certified for North American Standards	
IP rating: IP65	
IK Rating: IK10	

PROJECT

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			



Ø160mm 6 5/16"



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

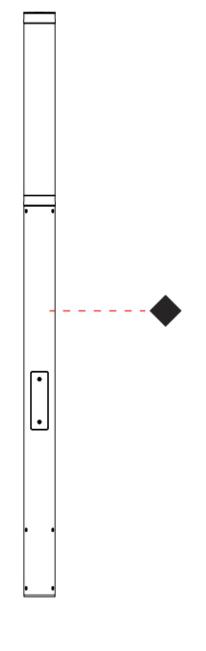
Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.

Ε

TUBE POST

E9B040-

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. 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

TUBE POST

E9B041-

base number Color Finish Temperature Options

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: Tube
Brand: Platek
Division: Exterior
Mounting Type: Post
Mounting Location: Above Ground
Subcategory: Pedestrian
PHYSICAL
Shape: Cylinder
Diameter (mm): 160
Diameter (in): $6\frac{5}{16}$
Height (mm): 4000
Height (in): 157 $\frac{1}{2}$
Light Distribution: Omnidirectional
Screws: A4 stainless steel
Diffuser: Opal Diffused
Fixture Finish: BLK / WHI / GRY / COR / ANT / BRZ
Fixture Material: Extruded Aluminum
ELECTRICAL
Lamp Type: LED
Input Wattage (W): 42

Lamp Type: LED
Input Wattage (W): 42
Total Output Wattage (W): 38
Dimming: Non-Dimming / Phase Dimming (120vac Only)
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Current - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Constant Current (MA): 1050
Upon Request: (Not included - see components [IP65 or higher enclosure to be supplied by others]): Remote: 0-10Vdc dimming
LED
Number of LEDs: 24
Color Temperature (°K): 3000 / 4000
Max. Delivered Lumen (lm): 2015 - 2835 / 2095 - 2950
Nominal Lumen (lm): 4560 / 4800
CRI: >80 CRI
Lamp Life (hrs): 60000
OPTICAL

Number of LEDs: 24

Color Temperature (°K): 3000 / 4000
Max. Delivered Lumen (lm): 2015 - 2835 / 2095 - 2950
Nominal Lumen (lm): 4560 / 4800
CRI: >80 CRI
Lamp Life (hrs): 60000

OPTICAL

RATINGS AND CERTIFICATIONS

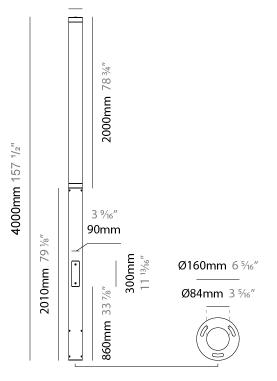
Certified By: Certified for North American Standards	
IP rating: IP65	
IK Rating: IK10	

PRO IECT

PROJECT		
ТҮРЕ		
SPECIFIER		
QUANTITY		
DATE		



Ø160mm 6 5/16"



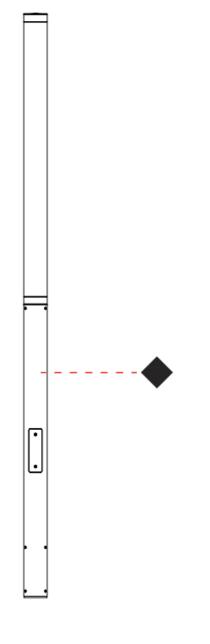
Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

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

Е

TUBE POST

E9B041-



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

TUBE POST

E9B046-

Finish Options base number

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: Tube
Brand: Platek
Division: Exterior
Mounting Type: Post
Mounting Location: Above Ground
Subcategory: Bollard - Mini
PHYSICAL
Shape: Cylinder
Diameter (mm): 160
Diameter (in): 6 ⁵ / ₁₆
Height (mm): 260
Height (in): 10 ¼
Light Distribution: Omnidirectional
Screws: A4 stainless steel
Diffuser: Opal Diffused
Fixture Finish: BLK / WHI / GRY / COR / ANT / BRZ
Fixture Material: Extruded Aluminum
ELECTRICAL

ELECTRICAL

Lamp Type: LED
Total Output Wattage (W): 11.5
Dimming: Bluetooth technology or DMX
Control Gear: DMX
Driver Included: No
Driver Location: Remote
Driver Type: Constant Current - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Constant Current (MA): 500

LED

Number of LEDs: 8	
Color Temperature (°K): RGBW	
CRI: >80 CRI	
Lamp Life (hrs): 60000	
Special LEDs offerings: RGBW	

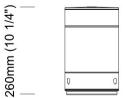
OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards
IP rating: IP66
IK Rating: IK10

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			







Ø 160mm (6 5/16")

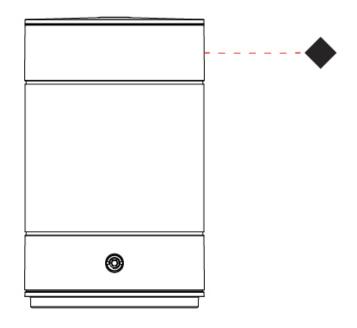
Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

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

TUBE POST

E9B046-

PROJECT				
ТҮРЕ				
SPECIFIER				
QUANTITY				
DATE	-			



Е

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 10/18

TUBE POST

E9B047-

base number Finish Options

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: Tube
Brand: Platek
Division: Exterior
Mounting Type: Post
Mounting Location: Above Ground
Subcategory: Bollard
PHYSICAL
Shape: Cylinder
Diameter (mm): 160
Diameter (in): 6 ⁵ / ₁₆
Height (mm): 1000
Height (in): 39 $\frac{3}{8}$
Light Distribution: Omnidirectional
Screws: A4 stainless steel
Diffuser: Opal Diffused
Fixture Finish: BLK / WHI / GRY / COR / ANT / BRZ
Fixture Material: Extruded Aluminum

ELECTRICAL

Lamp Type: LED
Total Output Wattage (W): 16
Dimming: Bluetooth technology or DMX
Control Gear: DMX
Driver Included: No
Driver Location: Remote
Driver Type: Constant Current - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Constant Current (MA): 700

LED

Number of LEDs: 8	
Color Temperature (°K): RGBW	
CRI: >80 CRI	
Lamp Life (hrs): 60000	
Special LEDs offerings: RGBW	

OPTICAL

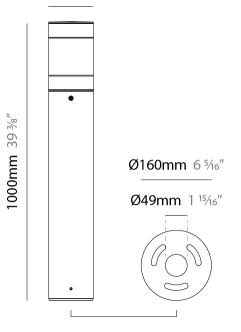
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards
IP rating: IP66
IK Rating: IK10

DATE			
QUANTITY			
SPECIFIER			
TYPE			
PROJECT			



Ø160mm 6 5/16"



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.

F

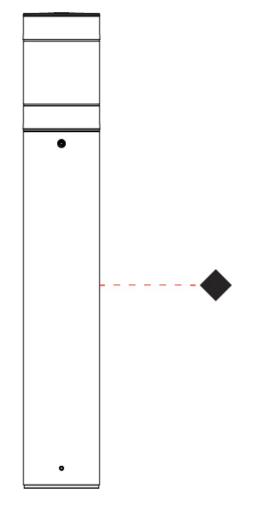
In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

Page 11/18

TUBE POST

E9B047-

PROJECT			
ТҮРЕ	 	 	
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. 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

TUBE POST

E9B048-

base number Finish Options

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: Tube
Brand: Platek
Division: Exterior
Mounting Type: Post
Mounting Location: Above Ground
Subcategory: Pedestrian
PHYSICAL
Shape: Cylinder
Diameter (mm): 160
Diameter (in): $6\frac{5}{16}$
Height (mm): 3000
Height (in): 118 1/8
Light Distribution: Omnidirectional
Screws: A4 stainless steel
Diffuser: Opal Diffused
Fixture Finish: BLK / WHI / GRY / COR / ANT / BRZ
Fixture Material: Extruded Aluminum

ELECTRICAL

LED

OPTICAL

RATINGS AND CERTIFICATIONS

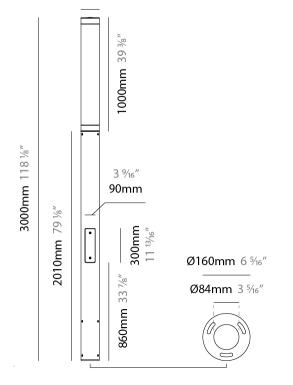
Certified By: Certified for North American Standards
IP rating: IP66
IK Rating: IK10

PROJECT

PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
DATE		



Ø160mm 6 5/16"



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.

Е

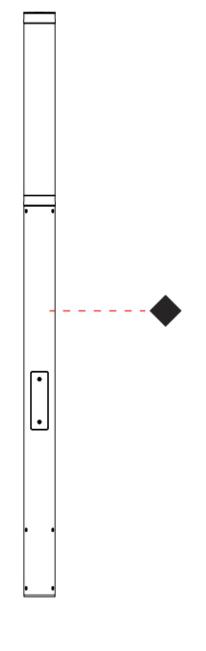
In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

Page 13/18

TUBE POST

E9B048-

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. 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

TUBE POST

E9B049-

base number Finish Options

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: Tube
Brand: Platek
Division: Exterior
Mounting Type: Post
Mounting Location: Above Ground
Subcategory: Pedestrian
PHYSICAL
Shape: Cylinder
Diameter (mm): 160
Diameter (in): 6 ⁵ / ₁₆
Height (mm): 4000
Height (in): 157 $\frac{1}{2}$
Light Distribution: Omnidirectional
Screws: A4 stainless steel
Diffuser: Opal Diffused
Fixture Finish: BLK / WHI / GRY / COR / ANT / BRZ
Fixture Material: Extruded Aluminum

ELECTRICAL

LED

Number of LEDs: 24
Color Temperature (°K): RGBW
CRI: >80 CRI
Lamp Life (hrs): 60000
Special LEDs offerings: RGBW

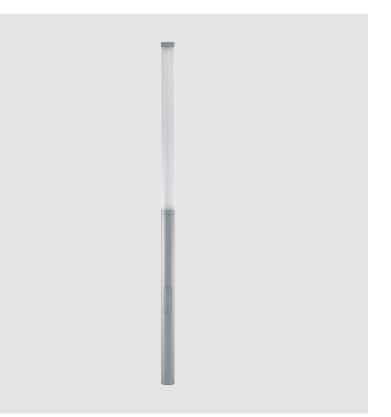
OPTICAL

RATINGS AND CERTIFICATIONS

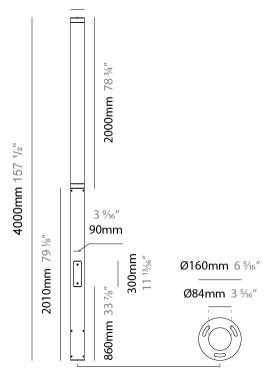
Certified By: Certified for North American Standards
IP rating: IP66
IK Rating: IK10

PROJECT

TROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			



Ø160mm 6 5/16"



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

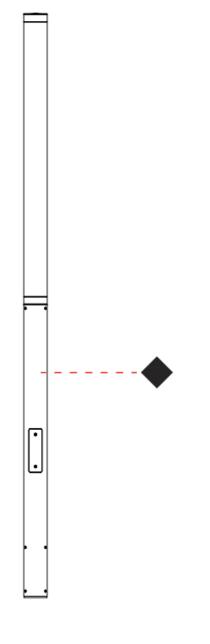
Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.

F

TUBE POST

E9B049-

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



TUBE **COLOR FINISH CHART**

PROJECT		
ТҮРЕ		
SPECIFIER		
QUANTITY		
DATE		

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.

Е

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

TUBE

PROJECT

TYPE

SPECIFIER

QUANTITY DATE

LEGEND

<u>↓</u>	floor-mounted	¥	pivotable	*	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	
Î	ceiling-mounted and wall-mounted	R	illuminate tilted	Ø	rechargeable battery powered	
\rightarrow	wall-mounted	T	color of suspension cable		fixture with natural vivid LED (upon request)	
Y	omni-directional light distribution	→	length of suspension cable	CRI	color rendering index	
À	direct light distribution	Δ	reflector degree selection	€К	color temperature	
	direct/indirect light distribution	s s	super spot	LM	lumen (luminous flux)	
$\mathbf{\mathbf{Y}}$	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	318	marine grade (AISI 316 stainless steel)	
R	round wall or ceiling cut-out	\odot	integrated shine ring with diffuser	٢	walk on	
5	square wall or ceiling cut-out	Ċ	free individual colors 01-29	۲	drive on	
d de	the supplied jig specifies the cutout dimensions	Ċ	individual colors: 00 (free of charge), 01-25 (extra charge)	B sc	Dark Sky Compliance	
(++) M++	minimum distance (meters) lamp - object	٠	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	
1	ceiling thickness in mm		luminaire part to be colored (F3)	٢	blown glass using traditional methods by master glass blower	
	ceiling thickness selection		luminaire part to be colored (F4)	●)	acoustic material	
	dimmable DP (phase), DV (0-10V), DD (dali), DS (step-dim)		luminaire part to be colored (F5)		protection class I, protection insulation	
6	included or excluded LED driver/transformer/ control gear		color of 3-circuit adaptor		protection class II, protection insulation	
Ъ	separately switchable	\odot	indirect diffuser		ETL Certified to UL and CSA Standards	
シリ	sensor	D	direct diffuser	c (U) us	UL Certified to UL and CSA Standards	
	remote control	\odot	ball-proof (upon request)	SP:	CSA Certified to UL and CSA Standards	
2	available upon request	U	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
1965	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)
1609	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)