LED40 SUSPENSION

D71003-

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

GENERAL
Series: Woodlin
Subseries: LED40
Brand: Tunto
Division: Design
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Profile
PHYSICAL
Shape: Rectangle
Length (mm): 700
Length (in): 27 [%] / ₁₆
Width (mm): 400
Width (in): 15 ³ / ₄
Height (mm): 40
Height (in): 1 ⁹ / ₁₆
Max. Overall Height (mm): 2040
Max. Overall Height (in): 80 $\frac{5}{16}$
Light Distribution: Direct
Diffuser: Opal
Fixture Finish: WAL / ASH / OAK / BLK / WHI
Fixture Material: Wood
ELECTRICAL
Lamp Type: LED
Input Wattage (W): 16
Total Output Wattage (W): 12.7
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): 2700 / 3000 / 4000	
Max. Delivered Lumen (lm): 960	
CRI: >93 CRI	

Lamp Life (hrs): 50000

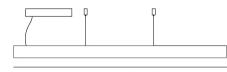
OPTICAL

RATINGS AND CERTIFICATIONS

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

TYPE SPECIFIER QUANTITY DATE	PROJECT			
SPECIFIER QUANTITY		 	 	
QUANTITY				
DATE		 		
	DATE			





700mm 27 %16"

40mm 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. 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

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

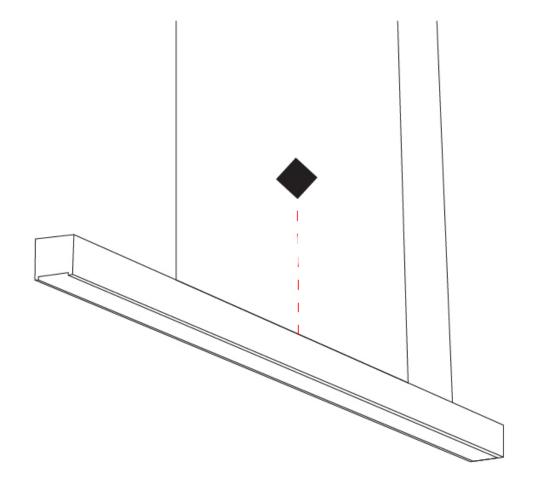
Page 1/20



LED40 SUSPENSION

D71003-

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			



_

LED40 SUSPENSION

D71004-

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: Woodlin
Subseries: LED40
Brand: Tunto
Division: Design
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Profile
PHYSICAL
Shape: Rectangle
Length (mm): 700
Length (in): 27 ⁹ / ₁₆
Width (mm): 400
Width (in): 15 ³ / ₄
Height (mm): 40
Height (in): 1 %_16
Max. Overall Height (mm): 2040
Max. Overall Height (in): 80 $\frac{5}{16}$
Light Distribution: Direct
Diffuser: Opal
Fixture Finish: WAL / ASH / OAK / BLK / WHI
Fixture Material: Wood
ELECTRICAL
Lamp Type: LED
Input Wattage (W): 23

Lamp Type. LLD
Input Wattage (W): 23
Total Output Wattage (W): 19

Total Output Wattage (W). 15
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

Max. Delivered Lumen (lm): 1300
CRI: >93 CRI
Lamp Life (hrs): 50000

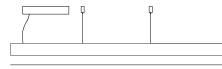
OPTICAL

RATINGS AND CERTIFICATIONS

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

PROJECT				
ТҮРЕ				
SPECIFIER				
QUANTITY				
DATE				
	-			





700mm 27 %16"

40mm 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. 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

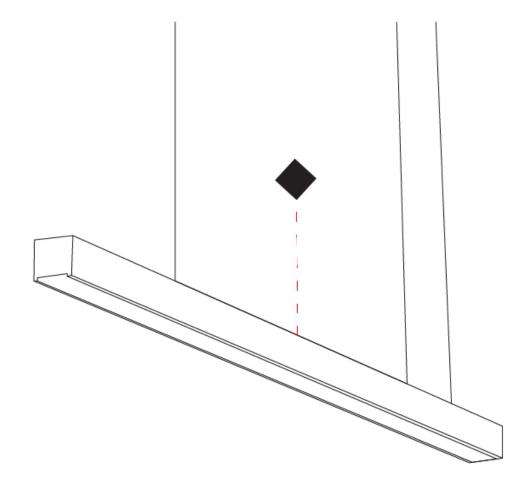
Page 3/20



LED40 SUSPENSION

D71004-

PROJECT			
ТҮРЕ			
SPECIFIER			_
QUANTITY			
DATE			



LED60 SUSPENSION

D71015-

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: Woodlin	
Subseries: LED60	
Brand: Tunto	
Division: Design	
Mounting Type: Suspension	
Mounting Location: Ceiling	
Subcategory: Profile	
PHYSICAL	
Shape: Rectangle	
Length (mm): 700	
Length (in): 27 ⁹ / ₁₆	
Width (mm): 60	
Width (in): 2 ³ / ₈	
Height (mm): 60	
Height (in): $2\frac{3}{8}$	
Max. Overall Height (mm): 2060	
Max. Overall Height (in): 81 $\frac{1}{8}$	
Light Distribution: Direct	
Diffuser: Opal	
Fixture Finish: WAL / ASH / OAK / BLK / WHI	
Fixture Material: Wood	
Cable Details: 2000mm / 78 3/4"	
ELECTRICAL	
Lamp Type: LED	
Input Wattage (W): 29	
Total Output Wattage (W): 25.3	
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)	1
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): 2700 / 3000 / 4000

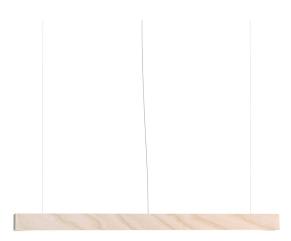
Max. Delivered Lumen (lm): 2180 CRI: >93 CRI Lamp Life (hrs): 50000

OPTICAL

RATINGS AND CERTIFICATIONS

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

PROJECT





700mm 27 %16"

60mm 2 3/8"

Direct

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

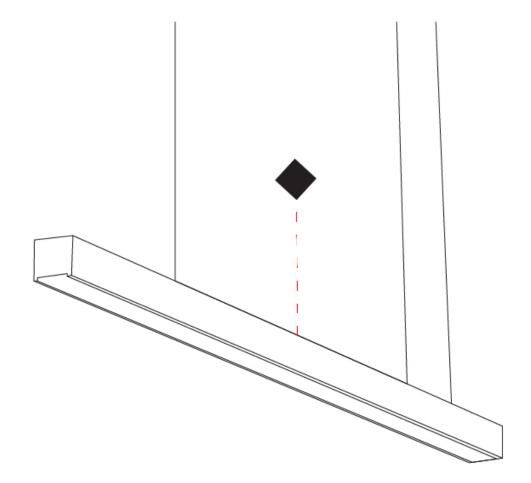
Page 5/20



LED60 SUSPENSION

D71015-

PROJECT			
ТҮРЕ			
SPECIFIER			_
QUANTITY			
DATE			



LED120 SUSPENSION

_

D71023-

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: Woodlin
Subseries: LED120
Brand: Tunto
Division: Design
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Profile
PHYSICAL
Shape: Rectangle
Length (mm): 700
Length (in): 27 ⁹ / ₁₆
Width (mm): 40
Width (in): 1 ⁹ / ₁₆
Height (mm): 120
Height (in): 4 ³ / ₄
Max. Overall Height (mm): 2120
Max. Overall Height (in): 83 $\frac{7}{16}$
Light Distribution: Direct / Indirect
Diffuser: Opal
Fixture Finish: WAL / ASH / OAK / BLK / WHI
Fixture Material: Wood
Cable Details: 2000mm / 78 3/4"
ELECTRICAL
Lamp Type: LED
Input Wattage (W): 32
Total Output Wattage (W): 25.3
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

Max. Delivered Lumen (lm): 1500	
CRI: >93 CRI	
Lamp Life (hrs): 50000	

OPTICAL

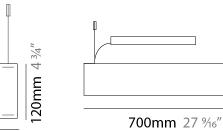
RATINGS AND CERTIFICATIONS

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

PROJECT

TROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			





40mm 1 %6″



Π

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

November 2, 2024, 2:43 pm

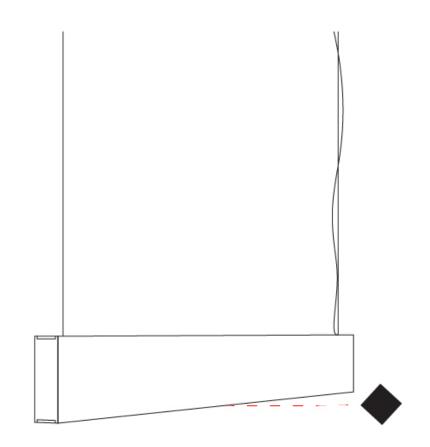
Page 7/20



LED120 SUSPENSION

D71023-

PROJECT			
ТҮРЕ			
SPECIFIER			
QUANTITY			
DATE			



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

-

LED40 SURFACE

D72006-

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: Woodlin
Subseries: LED40
Brand: Tunto
Division: Design
Mounting Type: Surface
Mounting Location: Wall / Ceiling
Subcategory: Profile
PHYSICAL
Shape: Rectangle
Length (mm): 700
Length (in): 27 ⁹ / ₁₆
Width (mm): 40
Width (in): 1 ⁹ / ₁₆
Height (mm): 40
Height (in): 1 ⁹ / ₁₆
Light Distribution: Direct
Diffuser: Opal
Fixture Finish: WAL / ASH / OAK / BLK / WHI
Fixture Material: Wood

ELECTRICAL

Lamp Type: LED
Input Wattage (W): 16
Total Output Wattage (W): 12.6
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: Yes
Driver Location: Remote
Driver Type: Constant Current - Universal
Driver Class: Class 2
Housing: ENCP3
Input Voltage (V): 120 - 277
Constant Current (MA): 700

LED

Color Temperature (°K): 2700 / 3000 / 4000

Max. Delivered Lumen (lm): 960

CRI: >93 CRI

Lamp Life (hrs): 50000

OPTICAL

RATINGS AND CERTIFICATIONS

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

PROJECT

PRC	JECI			
TYP	E			
SPE	CIFIER			
QUA	NTITY			_
DAT	E			



700mm 27 %16"

40mm 1 %16"



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

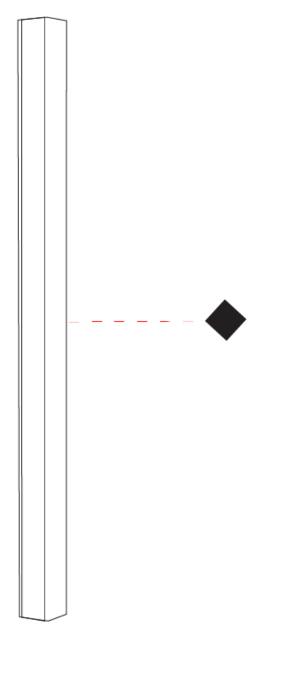
Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com. In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com Page 9/20



LED40 SURFACE

D72006-

PROJECT	
ТҮРЕ	
SPECIFIER	
QUANTITY	
DATE	



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

-

LED60 SURFACE

D72015-

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: Woodlin	
Subseries: LED60	
Brand: Tunto	
Division: Design	
Mounting Type: Surface	
Mounting Location: Wall / Ceiling	
Subcategory: Profile	
PHYSICAL	
Shape: Rectangle	
Length (mm): 700	
Length (in): 27 ⁹ / ₁₆	
Width (mm): 60	
Width (in): 2 ¾	
Height (mm): 60	
Height (in): $2\frac{3}{8}$	
Light Distribution: Direct	
Diffuser: Opal	
Fixture Finish: WAL / ASH / OAK / BLK / WHI	
Fixture Material: Wood	

ELECTRICAL

Lamp Type: LED
Input Wattage (W): 30
Total Output Wattage (W): 25.3
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: Yes
Driver Location: Remote
Driver Type: Constant Current - Universal
Driver Class: Class 2
Housing: ENCP1
Input Voltage (V): 120 - 277
Constant Current (MA): 700

LED

Color Temperature (°K): 2700 / 3000 / 4000

Max. Delivered Lumen (lm): 2180

CRI: >93 CRI Lamp Life (hrs): 50000

OPTICAL

RATINGS AND CERTIFICATIONS

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

PROJE	CI		
TYPE			
SPECIF	IER		
QUANT	ITY		
DATE			



700mm 27 %16"

60mm 2 3/8"



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.

Page 11/20

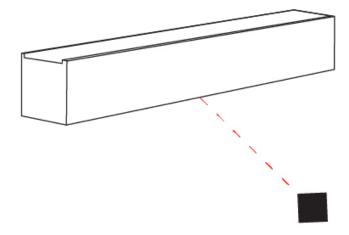


LED60 SURFACE

D72015-

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 Page 12/20



-

LED60 SURFACE

D72017-

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: Woodlin
Subseries: LED60
Brand: Tunto
Division: Design
Mounting Type: Surface
Mounting Location: Wall / Ceiling
Subcategory: Profile
PHYSICAL
Shape: Rectangle
Length (mm): 700
Length (in): 27 ⁹ / ₁₆
Width (mm): 60
Width (in): 2 ³ / ₈
Height (mm): 60
Height (in): 2 ¾
Light Distribution: Indirect
Diffuser: Opal
Fixture Finish: WAL / ASH / OAK / BLK / WHI
Fixture Material: Wood
ELECTRICAL

ELECTRICAL

Lamp Type: LED
Input Wattage (W): 28
Total Output Wattage (W): 24
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: Yes
Driver Location: Remote
Driver Type: Constant Current - Universal
Driver Class: Class 2
Housing: ENCP1
Input Voltage (V): 120 - 277
Constant Current (MA): 700

LED

Color Temperature (°K): 2700 / 3000 / 4000

Max. Delivered Lumen (lm): 2180

CRI: >93 CRI Lamp Life (hrs): 50000

OPTICAL

RATINGS AND CERTIFICATIONS

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

PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
DATE		



700mm 27 %16"

60mm 2 3/8"



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

Page 13/20

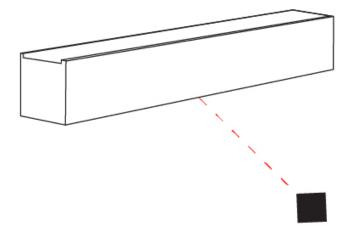


LED60 SURFACE

D72017-

PROJECT

PROJECT			
ТҮРЕ			
SPECIFIER			
QUANTITY			
DATE			



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

-

LED40 SURFACE

D72019-

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: Woodlin
Subseries: LED40
Brand: Tunto
Division: Design
Mounting Type: Surface
Mounting Location: Wall / Ceiling
Subcategory: Profile
PHYSICAL
Shape: Rectangle
Length (mm): 700
Length (in): 27 ⁹ / ₁₆
Width (mm): 40
Width (in): 1 ⁹ / ₁₆
Height (mm): 40
Height (in): $1\frac{9}{16}$
Light Distribution: Indirect
Diffuser: Opal
Fixture Finish: WAL / ASH / OAK / BLK / WHI
Fixture Material: Wood

ELECTRICAL

Lamp Type: LED
Input Wattage (W): 16
Total Output Wattage (W): 12.6
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: Yes
Driver Location: Remote
Driver Type: Constant Current - Universal
Driver Class: Class 2
Housing: ENCP3
Input Voltage (V): 120 - 277
Constant Current (MA): 700

LED

Color Temperature (°K): 2700 / 3000 / 4000

Max. Delivered Lumen (lm): 960

CRI: >93 CRI

Lamp Life (hrs): 50000

OPTICAL

RATINGS AND CERTIFICATIONS

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

JECI				
E				
CIFIER				
NTITY				
E				
	E CIFIER NTITY	E CIFIER NTITY	E CIFIER NTITY	E CIFIER NTITY



700mm 27 %16"

40mm 1 %16"



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 15/20



LED40 SURFACE

D72019-

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			

 \square

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 16/20

-

LED120 SURFACE

D73029-

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: Woodlin
Subseries: LED120
Brand: Tunto
Division: Design
Mounting Type: Surface
Mounting Location: Wall
Subcategory: Profile
PHYSICAL
Shape: Rectangle
Length (mm): 700
Length (in): 27 ⁹ / ₁₆
Width (mm): 40
Width (in): 1 ⁹ / ₁₆
Height (mm): 120
Height (in): $4\frac{3}{4}$
Extension (mm): 40
Extension (in): $1^{9}/_{16}$
Light Distribution: Direct / Indirect
Diffuser: Opal
Fixture Finish: WAL / ASH / OAK / BLK / WHI
Fixture Material: Wood
ELECTRICAL
Lamp Type: LED
Input Wattage (W): 31
Tatal Output Matters (M/): 25.2

Lamp Type. LED
Input Wattage (W): 31
Total Output Wattage (W): 25.3
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: Yes
Driver Location: Remote
Driver Type: Constant Current - Universal
Driver Class: Class 2
Housing: ENCP3
Input Voltage (V): 120 - 277
Constant Current (MA): 700

LED

Color Temperature (°K): 2700 / 3000 / 4000

Max. Delivered Lumen (lm): 1500
CRI: >93 CRI
Lamp Life (hrs): 50000

OPTICAL

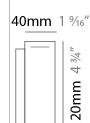
RATINGS AND CERTIFICATIONS

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

PROJECT

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			





700mm 27 %16"



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

Page 17/20

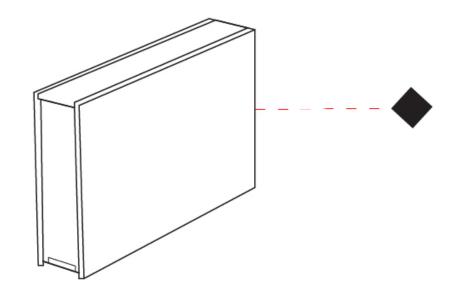


LED120 SURFACE

D73029-

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 Page 18/20





WOODLIN COLOR FINISH CHART

PROJECT

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			

Fixture Finish



Black - BLK

White - WHI

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.

Wood is a living, organic material. Hence, the patterns and hues can very, and can change as the material ages. We are not responsible for any natural material transformation and development.

WOODLIN

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	3	rotating	0	warm dim / natural dimming LED
Î	ceiling-mounted and wall-mounted	Œ	illuminate tilted	Ø	rechargeable battery powered
→	wall-mounted	Р	color of suspension cable	1111 1100	fixture with natural vivid LED (upon request)
¥	omni-directional light distribution	+	length of suspension cable	CRI	color rendering index
À	direct light distribution	Δ	reflector degree selection	€К	color temperature
X	direct/indirect light distribution	s s	super spot	LM	lumen (luminous flux)
Y	indirect light distribution	*	lens	₩.	efficacy (lumens per watt)
·	asymmetric light distribution	8	lens pack	UGR	Unified Glare Rating (UGR) range from 5-40
Ă	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	D.	free individual colors 01-29		drive on
5	the supplied jig specifies the cutout dimensions	Ū.	individual colors: 00 (free of charge), 01-25 (extra charge)	OSC	Dark Sky Compliance
(] + ,+	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)
Ŧ	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
¢	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
シリ	sensor	D	direct diffuser	c (U) us	UL Certified to UL and CSA Standards
	remote control	\odot	ball-proof (upon request)	S .	CSA Certified to UL and CSA Standards
2	available upon request	0	accessory	(\mathbf{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)