


TXBL-DC



Features

- 4-sided T-slot based aluminum extrusion with supplied T-nuts
- 25mm housing height to accommodate low-profile installations
- 10mm wide perimeter maximizes active area relative to housing footprint
- Included T-slot L-brackets accommodates both front and back mounting
- Full-array high-density LEDs
- High-efficiency dimmable constant-current driver built-in
- Bulkhead M12A connector(s)
- Optional polarizers & diffusers, field-replaceable by removing one side
- Available in standard & collimating
- Available in R, G, B, W, and IR850 or combination up to four colors
- Standard sizes from 50mm to 400mm. Contact Metaphase for sizes up to 1000mm by 1000mm

Specifications

General	
Ambient Temperature:	0°C to 40°C
Lifetime Expectancy:	75,000 hours
Compliance:	 CE
Ingress Protection:	IP50

Electrical	
Supply Voltage:	24VDC ±5%
Trigger Input:	NPN, 1kHz max trigger rate Ground (0-1VDC) disables output .5mA sink current
Default DC operation:	Output enabled with floating trigger
0-10V Dimming Control:	5% to 100% output light intensity 1mA source current at 10VDC

Mechanical	
Housing:	Clear Anodized Aluminum
Mounting:	(2) T-nuts minimum per side, pre-installed
Active Area:	P/N TXBLxxyy indicates the Active Area is xx by yy (see dwg)
Outside Dimensions:	OD equals Active Area + 20mm (see dwg)
L-bracket mounting:	Center-to-Center mounting holes equal Active Area + 40mm (see dwg)
Dimensions:	Metric (including all fasteners)
Weight:	See chart
M12A connectors:	See chart for quantity required

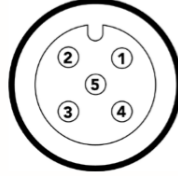
TXBL-DC

Figure 1: Part Number Key

PART NUMBER KEY					
Model	Active Area Standard Sizes* (1 unit=25mm)	-	Wavelength	-	Drive
TXBL TXCBL	XXXX	-	XXXXXX	-	XX
TXBL TXCBL	0202-1616 (50mm x 50mm to 400mm x 400mm) 3-color min size: 0303 4-color min size: 0404		W (White 5700K, Nominal) R (Red 630nm) G (Green 520nm) B (Blue 465nm) IR850 (Infrared 850nm) RGB (630nm, 520nm, 465nm) RGBW (630nm, 520nm, 465nm, 5700K) WIR850 (5700K, 850nm) WIR940 (5700K, 940nm)		DC
TXCBL for Collimated Backlight	*Contact factory for sizes up to 4040, 1000mm x 1000mm				
Example 1: TXBL0412-W-DC Example 2: TXCBL1016-WIR850-DC					

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Figure 2: M12A Connectors



M12A Bulkhead, 5-pos male

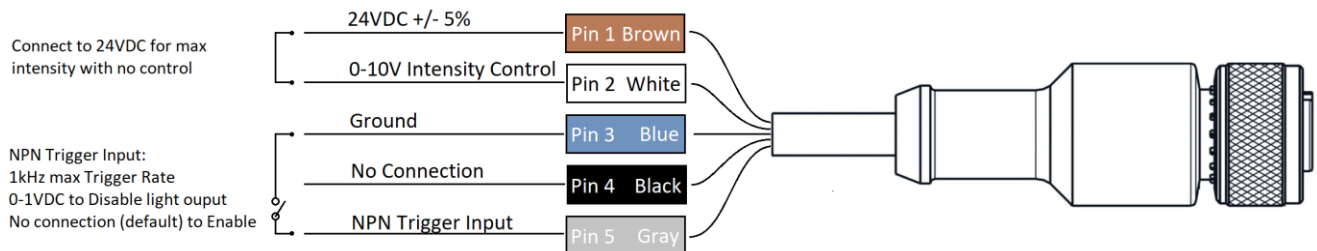
Example: Single Color Wiring		
Pin	Function	Wire Color
1	24VDC	Brown
2	0-10V Intensity Control	White
3	Ground (24V RTN)	Blue
4	No Connection (NC)	Black
5	Disabling NPN Trigger	Gray

M12A Wiring	Connector #1					Connector #2				
	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
1-color (Note ¹)	24V	Color #1 0-10V	GND	NC	TRG	24V	NC	GND	NC	NC
2-color (Note ¹)	24V	Color #1 0-10V	GND	Color #2 0-10V	TRG	24V	NC	GND	NC	NC
3-color	24V	Color #1 0-10V	GND	Color #2 0-10V	TRG	24V	Color #3 0-10V	GND	NC	NC
4-color	24V	Color #1 0-10V	GND	Color #2 0-10V	TRG	24V	Color #3 0-10V	GND	Color #4 0-10V	NC

Note¹ Additional connector may be required. See chart in **Figure 3: M12A Connector Quantity Per Size**

M12A Wiring	Connector #3					Connector #4				
	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
All lights requiring 3 or 4 connectors	24V	NC	GND	NC	NC	24V	NC	GND	NC	NC

TXBL Interface Cable with an M12A female connector



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Figure 3: M12A Connector Quantity Per Size

		xx																																																
	TXBL	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40										
	02	1																																																
	03	1	1																																															
	04	1	1	1																																														
	05	1	1	1	1																																													
	06	1	1	1	1	1																																												
	07	1	1	1	1	1	1																																											
	08	1	1	1	1	1	1	1																																										
	09	1	1	1	1	1	1	1	1																																									
	10	1	1	1	1	1	1	1	1	1																																								
	11	1	1	1	1	1	1	1	1	1	1																																							
	12	1	1	1	1	1	1	1	1	1	1	1																																						
	13	1	1	1	1	1	1	1	1	1	1	1	1																																					
	14	1	1	1	1	1	1	1	1	1	1	1	1	1																																				
	15	1	1	1	1	1	1	1	1	1	1	1	1	1	1																																			
	16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																																		
	17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																																	
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	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																															
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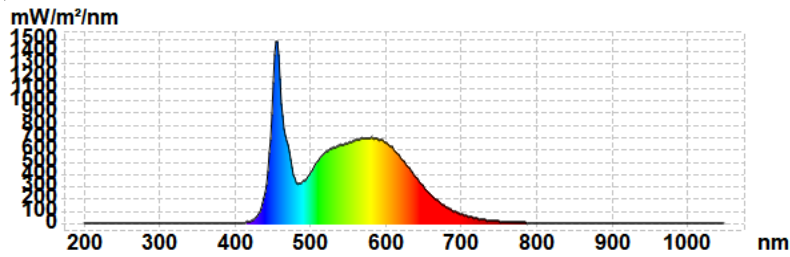
Part Number sequence: TXBLxxyy

- xx = shortest dimension, yy is ≥ xx
- One unit of measurement = 25mm of active area, example: TXBL0410 is 100mm x 250mm active area
- Example: TXBL1720 requires a quantity of two (2) M12A connectors

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Figure 5A: Intensity - White

**Spectral Data
TXBL White**

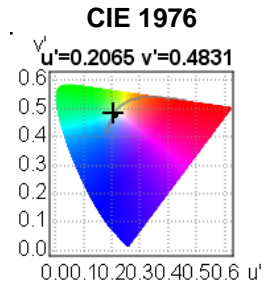
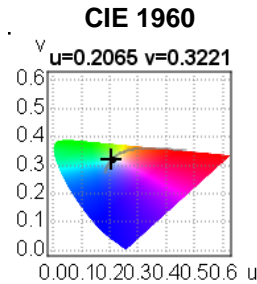
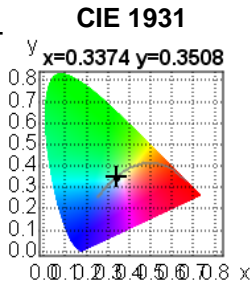


Results

CIE 1964 10° observer @50mm WD	
Lux value	0.3525

CCT Values	
CCT	5304
Chromaticity Error	0.003
Color Peak	456.68
Color Peak Value	1486.04
Color Dominant	563.2
Luminous Intensity	4411.06
Radiometric	138.3716
Duv	0.0028

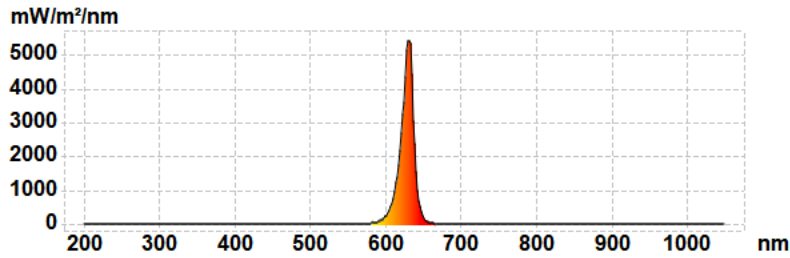
Rendering Indices	
Ra	83.5
R1	82.7
R2	92.4
R3	94.5
R4	78.9
R5	81.5
R6	86.5
R7	85.1
R8	66.4
R9	10.4
R10	79.7
R11	77.7
R12	55.9
R13	86.2
R14	97.7



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Figure 5B: Intensity – Red

**Spectral Data
TXBL Red**

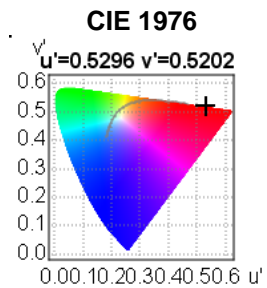
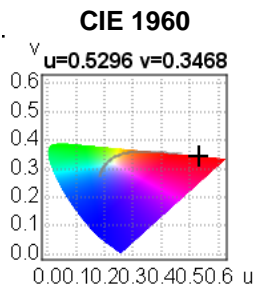
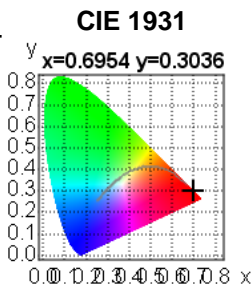


Results

CIE 1964 10° observer @50mm WD	
Lux value	0.3138

CCT Values	
CCT	-
Chromaticity Error	0.299
Color Peak	630.38
Color Peak Value	5426.24
Color Dominant	622.5
Luminous Intensity	2150.03
Radiometric	109.0729
Duv	nan

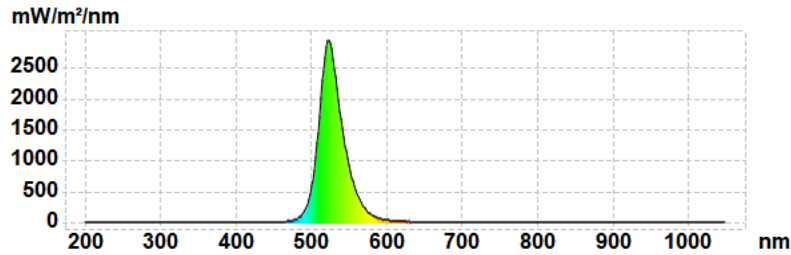
Rendering Indices	
Ra	-22.2
R1	-72.8
R2	1.4
R3	48.6
R4	-62.0
R5	-56.4
R6	-43.8
R7	37.2
R8	-29.4
R9	-100.0
R10	-73.8
R11	-100.0
R12	-72.4
R13	-70.2
R14	62.8



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Figure 5C: Intensity – Green

**Spectral Data
TXBL Green**

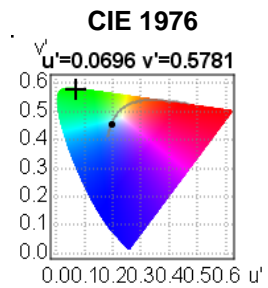
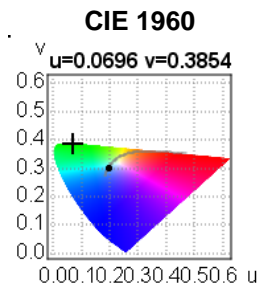
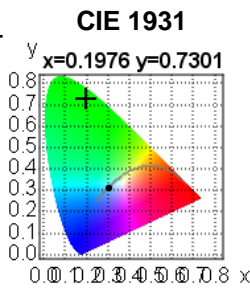


Results

CIE 1964 10° observer @50mm WD	
Lux value	0.7091

CCT Values	
CCT	7350
Chromaticity Error	0.158
Color Peak	524.14
Color Peak Value	2945.24
Color Dominant	532.8
Luminous Intensity	5917.63
Radiometric	112.7448
Duv	0.1505

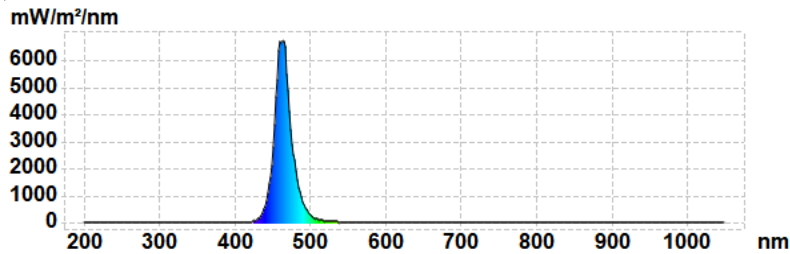
Rendering Indices	
Ra	-25.7
R1	-34.6
R2	-9.8
R3	-24.6
R4	-65.9
R5	-9.8
R6	-15.9
R7	-9.5
R8	-35.7
R9	-100.0
R10	-100.0
R11	-97.4
R12	-35.2
R13	-39.4
R14	37.4



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Figure 5D: Intensity – Blue

**Spectral Data
TXBL Blue**

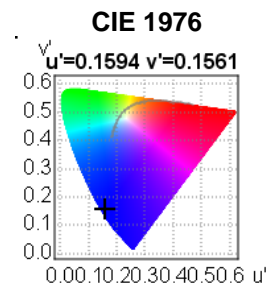
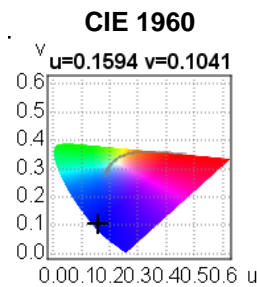
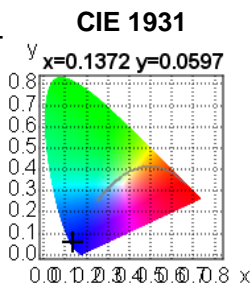


Results

CIE 1964 10° observer @50mm WD	
Lux value	0.0999

CCT Values	
CCT	-
Chromaticity Error	0.271
Color Peak	460.03
Color Peak Value	6748.76
Color Dominant	467.8
Luminous Intensity	1253.22
Radiometric	184.0922
Duv	nan

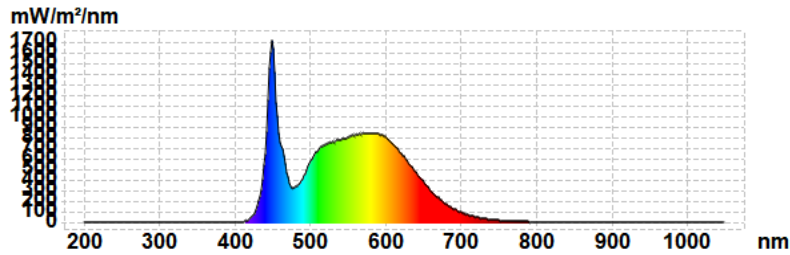
Rendering Indices	
Ra	-48.7
R1	-38.5
R2	9.2
R3	-94.0
R4	-100.0
R5	-26.4
R6	-27.7
R7	-30.6
R8	-81.4
R9	-100.0
R10	-100.0
R11	-100.0
R12	-100.0
R13	-22.0
R14	-6.3



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Figure 5E: Intensity – RGBW

**Spectral Data
TXBL RGBW**

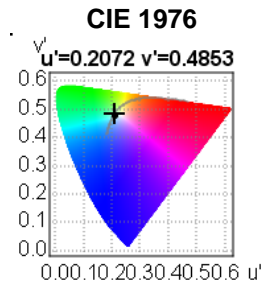
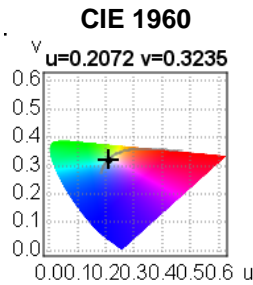
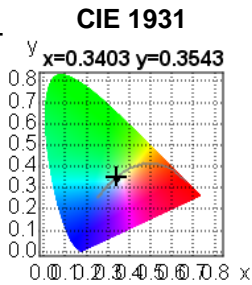


Results

CIE 1964 10° observer @50mm WD	
Lux value	0.3524

CCT Values	
CCT	5195
Chromaticity Error	0.003
Color Peak	449.99
Color Peak Value	1726.24
Color Dominant	566.1
Luminous Intensity	5415.01
Radiometric	168.7482
Duv	0.0033

Rendering Indices	
Ra	83.2
R1	81.4
R2	87.9
R3	92.4
R4	83.3
R5	82.1
R6	82.9
R7	87.3
R8	68.0
R9	8.0
R10	71.4
R11	83.0
R12	59.3
R13	83.1
R14	96.1



TXBL-DC

Figure 6A: Eye Safety – TXBL White

Test Report	
EN 62471 Photobiological safety of lamps and lamp systems	
IEC TR 62778 Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires	
Test method according to standard	EN 62471:2008
Lamp classification group	<input checked="" type="checkbox"/> exempt <input type="checkbox"/> risk 1 <input type="checkbox"/> risk 2 <input type="checkbox"/> risk 3

Table 6.1 Emission limits for risk groups of continuous wave lamps									
Risk	Action spectrum	Symbol	Units	Emission Measurement					
				Exempt		Low risk		Mod risk	
				Limit	Result	Limit	Result	Limit	Result
Actinic UV	SUV(λ)	Es	$W \cdot m^{-2}$	0,001	0	0,003		0,03	
Near UV		EUVA	$W \cdot m^{-2}$	10	0.012	33		100	
Blue light	B(λ)	LB	$W \cdot m^{-2} \cdot sr^{-1}$	100	0	10000		4000000	
Blue light, small source	B(λ)	EB	$W \cdot m^{-2}$	1,0*	-	1,0	-	400	-
Retinal thermal	R(λ)	LR	$W \cdot m^{-2} \cdot sr^{-1}$	28000/ α	0	28000/ α		71000/ α	
Retinal thermal, weak visual stimulus**	R(λ)	LIR	$W \cdot m^{-2} \cdot sr^{-1}$	6000/ α	0	6000/ α		6000/ α	
IR radiation, eye		EIR	$W \cdot m^{-2}$	100	0.021	570		3200	

* Small source defined as one with $\alpha < 0,011$ radian. Averaging field of view at 10000 s is 0,1 radian. ** Involves evaluation of non-GLS source

TXBL-DC

Figure 6B: Eye Safety – TXBL Red

Test Report	
EN 62471 Photobiological safety of lamps and lamp systems	
IEC TR 62778 Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires	
Test method according to standard	EN 62471:2008
Lamp classification group	<input checked="" type="checkbox"/> exempt <input type="checkbox"/> risk 1 <input type="checkbox"/> risk 2 <input type="checkbox"/> risk 3

Table 6.1 Emission limits for risk groups of continuous wave lamps									
Risk	Action spectrum	Symbol	Units	Emission Measurement					
				Exempt		Low risk		Mod risk	
				Limit	Result	Limit	Result	Limit	Result
Actinic UV	SUV(λ)	Es	$W \cdot m^{-2}$	0,001	0	0,003		0,03	
Near UV		EUVA	$W \cdot m^{-2}$	10	0	33		100	
Blue light	B(λ)	LB	$W \cdot m^{-2} \cdot sr^{-1}$	100	0	10000		4000000	
Blue light, small source	B(λ)	EB	$W \cdot m^{-2}$	1,0*	-	1,0	-	400	-
Retinal thermal	R(λ)	LR	$W \cdot m^{-2} \cdot sr^{-1}$	28000/ α	0	28000/ α		71000/ α	
Retinal thermal, weak visual stimulus**	R(λ)	LIR	$W \cdot m^{-2} \cdot sr^{-1}$	6000/ α	0	6000/ α		6000/ α	
IR radiation, eye		EIR	$W \cdot m^{-2}$	100	0.026	570		3200	

* Small source defined as one with $\alpha < 0,011$ radian. Averaging field of view at 10000 s is 0,1 radian. ** Involves evaluation of non-GLS source

TXBL-DC

Figure 6C: Eye Safety – TXBL Green

Test Report	
EN 62471 Photobiological safety of lamps and lamp systems	
IEC TR 62778 Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires	
Test method according to standard	EN 62471:2008
Lamp classification group	<input checked="" type="checkbox"/> exempt <input type="checkbox"/> risk 1 <input type="checkbox"/> risk 2 <input type="checkbox"/> risk 3

Table 6.1 Emission limits for risk groups of continuous wave lamps									
Risk	Action spectrum	Symbol	Units	Emission Measurement					
				Exempt		Low risk		Mod risk	
				Limit	Result	Limit	Result	Limit	Result
Actinic UV	SUV(λ)	Es	$W \cdot m^{-2}$	0,001	0	0,003		0,03	
Near UV		EUVA	$W \cdot m^{-2}$	10	0.0039	33		100	
Blue light	B(λ)	LB	$W \cdot m^{-2} \cdot sr^{-1}$	100	0	10000		4000000	
Blue light, small source	B(λ)	EB	$W \cdot m^{-2}$	1,0*	-	1,0	-	400	-
Retinal thermal	R(λ)	LR	$W \cdot m^{-2} \cdot sr^{-1}$	28000/ α	0	28000/ α		71000/ α	
Retinal thermal, weak visual stimulus**	R(λ)	LIR	$W \cdot m^{-2} \cdot sr^{-1}$	6000/ α	0	6000/ α		6000/ α	
IR radiation, eye		EIR	$W \cdot m^{-2}$	100	0	570		3200	

* Small source defined as one with $\alpha < 0,011$ radian. Averaging field of view at 10000 s is 0,1 radian. ** Involves evaluation of non-GLS source

TXBL-DC

Figure 6D: Eye Safety – TXBL Blue

Test Report	
EN 62471 Photobiological safety of lamps and lamp systems	
IEC TR 62778 Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires	
Test method according to standard	EN 62471:2008
Lamp classification group	<input checked="" type="checkbox"/> exempt <input type="checkbox"/> risk 1 <input type="checkbox"/> risk 2 <input type="checkbox"/> risk 3

Table 6.1 Emission limits for risk groups of continuous wave lamps									
Risk	Action spectrum	Symbol	Units	Emission Measurement					
				Exempt		Low risk		Mod risk	
				Limit	Result	Limit	Result	Limit	Result
Actinic UV	SUV(λ)	Es	$W \cdot m^{-2}$	0,001	0	0,003		0,03	
Near UV		EUVA	$W \cdot m^{-2}$	10	0	33		100	
Blue light	B(λ)	LB	$W \cdot m^{-2} \cdot sr^{-1}$	100	32.46	10000		4000000	
Blue light, small source	B(λ)	EB	$W \cdot m^{-2}$	1,0*	-	1,0	-	400	-
Retinal thermal	R(λ)	LR	$W \cdot m^{-2} \cdot sr^{-1}$	28000/ α	80.09	28000/ α		71000/ α	
Retinal thermal, weak visual stimulus**	R(λ)	LIR	$W \cdot m^{-2} \cdot sr^{-1}$	6000/ α	0	6000/ α		6000/ α	
IR radiation, eye		EIR	$W \cdot m^{-2}$	100	0	570		3200	

* Small source defined as one with $\alpha < 0,011$ radian. Averaging field of view at 10000 s is 0,1 radian. ** Involves evaluation of non-GLS source

TXBL-DC

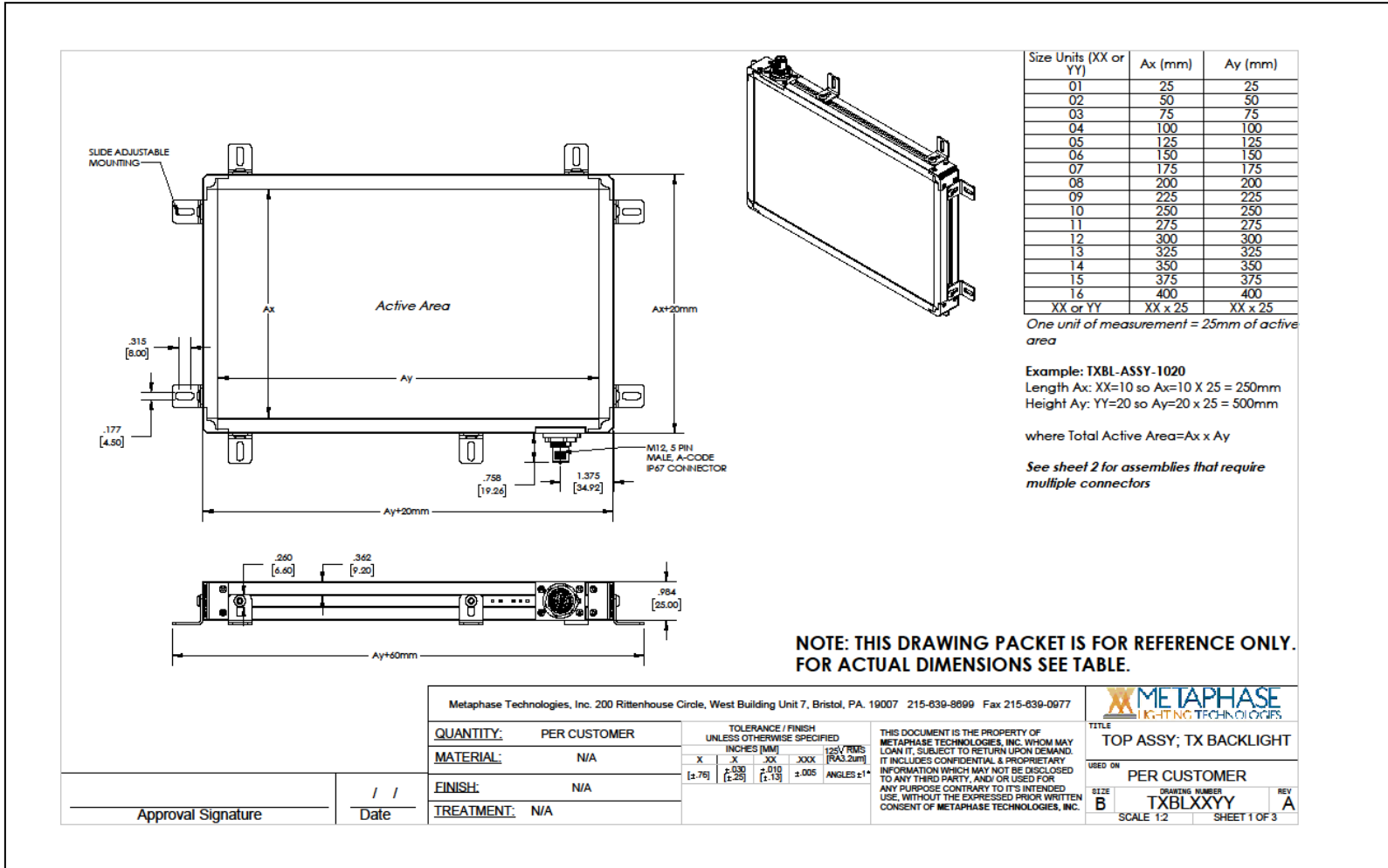
Figure 7: Weight (kilograms)

		xx																																										
TXBL	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40					
02	0.2																																											
03	0.2	0.3																																										
04	0.3	0.3	0.4																																									
05	0.3	0.4	0.5	0.5																																								
06	0.3	0.4	0.5	0.6	0.7																																							
07	0.4	0.5	0.6	0.7	0.8	0.9																																						
08	0.4	0.5	0.7	0.8	0.9	1.1	1.2																																					
09	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.5																																				
10	0.5	0.6	0.8	1.0	1.1	1.3	1.5	1.6	1.8																																			
11	0.5	0.7	0.9	1.0	1.2	1.4	1.6	1.8	2.0	2.1																																		
12	0.5	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.5																																	
13	0.6	0.8	1.0	1.2	1.4	1.6	1.9	2.1	2.3	2.5	2.7	3.0																																
14	0.6	0.8	1.1	1.3	1.5	1.8	2.0	2.2	2.5	2.7	2.9	3.2	3.4																															
15	0.6	0.9	1.1	1.4	1.6	1.9	2.1	2.4	2.6	2.9	3.1	3.4	3.6	3.9																														
16	0.7	0.9	1.2	1.5	1.7	2.0	2.3	2.5	2.8	3.1	3.3	3.6	3.9	4.1	4.4																													
17	0.7	1.0	1.3	1.6	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.8	4.1	4.4	4.7	6.0																												
18	0.7	1.0	1.3	1.6	1.9	2.2	2.6	2.9	3.2	3.5	3.8	4.1	4.4	4.7	5.0	6.3	6.7																											
19	0.8	1.1	1.4	1.7	2.0	2.4	2.7	3.0	3.3	3.6	4.0	4.3	4.6	4.9	5.2	6.7	7.1	7.5																										
20	0.8	1.1	1.5	1.8	2.1	2.5	2.8	3.2	3.5	3.8	4.2	4.5	4.8	5.2	5.5	7.0	7.4	7.8	8.2																									
21	0.8	1.2	1.5	1.9	2.2	2.6	3.0	3.3	3.7	4.0	4.4	4.7	5.1	5.4	5.8	7.4	7.8	8.2	8.7	9.1																								
22	0.9	1.2	1.6	2.0	2.3	2.7	3.1	3.5	3.8	4.2	4.6	4.9	5.3	5.7	6.0	7.7	8.2	8.6	9.1	9.5	9.9																							
23	0.9	1.3	1.7	2.1	2.4	2.8	3.2	3.6	4.0	4.4	4.8	5.2	5.5	5.9	6.3	8.1	8.5	9.0	9.5	9.9	10.4	10.9																						
24	0.9	1.3	1.7	2.1	2.5	3.0	3.4	3.8	4.2	4.6	5.0	5.4	5.8	6.2	6.6	8.4	8.9	9.4	9.9	10.4	10.8	11.3	11.8																					
25	1.0	1.4	1.8	2.2	2.6	3.1	3.5	3.9	4.3	4.7	5.2	5.6	6.0	6.4	6.8	8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8																				
26	1.0	1.4	1.9	2.3	2.7	3.2	3.6	4.1	4.5	4.9	5.4	5.8	6.2	6.7	7.1	9.1	9.6	10.2	10.7	11.2	11.7	12.3	12.8	13.3	13.8																			
27	1.0	1.5	1.9	2.4	2.8	3.3	3.8	4.2	4.7	5.1	5.6	6.0	6.5	6.9	7.4	9.4	10.0	10.5	11.1	11.6	12.2	12.7	13.3	13.8	14.4	14.9																		
28	1.1	1.5	2.0	2.5	2.9	3.4	3.9	4.4	4.8	5.3	5.8	6.2	6.7	7.2	7.6	9.8	10.4	10.9	11.5	12.1	12.6	13.2	13.8	14.3	14.9	15.5	16.0																	
29	1.1	1.6	2.1	2.6	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	6.9	7.4	7.9	10.1	10.7	11.3	11.9	12.5	13.1	13.7	14.3	14.8	15.4	16.0	16.6	17.2																
30	1.1	1.6	2.1	2.6	3.1	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	10.5	11.1	11.7	12.3	12.9	13.5	14.1	14.7	15.3	16.0	16.6	17.2	17.8	18.4															
31	1.2	1.7	2.2	2.7	3.2	3.8	4.3	4.8	5.3	5.8	6.4	6.9	7.4	7.9	8.4	10.8	11.5	12.1	12.7	13.3	14.0	14.6	15.2	15.9	16.5	17.1	17.7	18.4	19.0	19.6														
32	1.2	1.7	2.3	2.8	3.3	3.9	4.4	5.0	5.5	6.0	6.6	7.1	7.6	8.2	8.7	11.2	11.8	12.5	13.1	13.8	14.4	15.1	15.7	16.4	17.0	17.7	18.3	19.0	19.6	20.3	20.9													
33	1.2	1.8	2.3	2.9	3.4	4.0	4.6	5.1	5.7	6.2	6.8	7.3	7.9	8.4	9.0	11.5	12.2	12.9	13.5	14.2	14.9	15.5	16.2	16.9	17.5	18.2	18.9	19.5	20.2	20.9	21.6	22.2												
34	1.3	1.8	2.4	3.0	3.5	4.1	4.7	5.3	5.8	6.4	7.0	7.5	8.1	8.7	9.3	11.9	12.5	13.2	13.9	14.6	15.3	16.0	16.7	17.4	18.1	18.8	19.4	20.1	20.8	21.5	22.2	22.9	23.6											
35	1.3	1.9	2.5	3.1	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8	8.3	8.9	9.5	12.2	12.9	13.6	14.3	15.0	15.8	16.5	17.2	17.9	18.6	19.3	20.0	20.7	21.4	22.1	22.9	23.6	24.3	25.0										
36	1.3	1.9	2.5	3.1	3.7	4.4	5.0	5.6	6.2	6.8	7.4	8.0	8.6	9.2	9.8	12.5	13.3	14.0	14.7	15.5	16.2	16.9	17.7	18.4	19.1	19.9	20.6	21.3	22.0	22.8	23.5	24.2	25.0	25.7	26.4									
37	1.4	2.0	2.6	3.2	3.9	4.5	5.1	5.7	6.3	7.0	7.6	8.2	8.8	9.4	10.1	12.9	13.6	14.4	15.1	15.9	16.6	17.4	18.1	18.9	19.6	20.4	21.2	21.9	22.7	23.4	24.2	24.9	25.7	26.4	27.2	27.9								
38	1.4	2.0	2.7	3.3	4.0	4.6	5.2	5.9	6.5	7.1	7.8	8.4	9.0	9.7	10.3	13.2	14.0	14.8	15.5	16.3	17.1	17.9	18.6	19.4	20.2	20.9	21.7	22.5	23.3	24.0	24.8	25.6	26.3	27.1	27.9	28.7	29.4							
39	1.4	2.1	2.7	3.4	4.1	4.7	5.4	6.0	6.7	7.3	8.0	8.6	9.3	9.9	10.6	13.6	14.4	15.2	16.0	16.7	17.5	18.3	19.1	19.9	20.7	21.5	22.3	23.1	23.9	24.7	25.5	26.2	27.0	27.8	28.6	29.4	30.2	31.0						
40	1.5	2.1	2.8	3.5	4.2	4.8	5.5	6.2	6.8	7.5	8.2	8.8	9.5	10.2	10.9	13.9	14.7	15.5	16.4	17.2	18.0	18.8	19.6	20.4	21.2	22.0	22.9	23.7	24.5	25.3	26.1	26.9	27.7	28.5	29.3	30.2	31.0	31.8	32.6					

Example: The TXBL1220 weighs 4.2kg

TXBL-DC

Figure 8A: Mechanical Drawing



TXBL-DC

Figure 8B: Mechanical Drawing – Dual Connector

