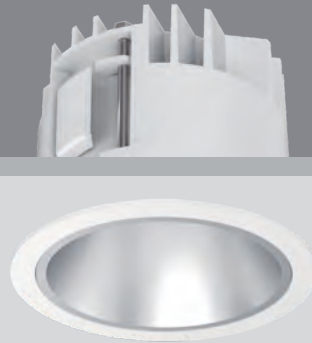


NEKO / TAKEO / T75

Fixed LED Downlight

Super Eye Comfort
High Efficiency



11W CRI80 2700K 25° 50° CITIZEN 50,000h@L80B10 UGR < 19 IP54 5 YEARS GUARANTEE CB CE Intertek



LED Power	System Power	LED Voltage	LED Current	CRI	CCT	Beam	LED Output	System Output	Code			
7.5 W	9 W	31 V	250 mA	80	3000K	25°	1100lm	750lm	TT1-8302508X-WM			
						50°	1100lm	750lm	TT1-8305008X-WM			
						4000K	25°	1200lm	800lm	TT1-8402508X-WM		
							50°	1200lm	800lm	TT1-8405008X-WM		
						90	3000K	25°	900lm	600lm	TT1-9302508X-WM	
								50°	900lm	600lm	TT1-9305008X-WM	
								4000K	25°	1000lm	650lm	TT1-9402508X-WM
									50°	1000lm	650lm	TT1-9405008X-WM
11 W	13 W	31 V	350 mA	80	3000K	25°	1400lm	950lm	TT2-8302511X-WM			
						50°	1400lm	950lm	TT2-8305011X-WM			
						4000K	25°	1500lm	1050lm	TT2-8402511X-WM		
							50°	1500lm	1050lm	TT2-8405011X-WM		
						90	3000K	25°	1200lm	850lm	TT2-9302511X-WM	
								50°	1200lm	850lm	TT2-9305011X-WM	
								4000K	25°	1300lm	950lm	TT2-9402511X-WM
									50°	1300lm	950lm	TT2-9405011X-WM



7.5 W	9 W	31 V	250 mA	80	3000K	25°	1100lm	750lm	TT1-8302508X-WW			
						50°	1100lm	750lm	TT1-8305008X-WW			
						4000K	25°	1200lm	800lm	TT1-8402508X-WW		
							50°	1200lm	800lm	TT1-8405008X-WW		
						90	3000K	25°	900lm	600lm	TT1-9302508X-WW	
								50°	900lm	600lm	TT1-9305008X-WW	
								4000K	25°	1000lm	650lm	TT1-9402508X-WW
									50°	1000lm	650lm	TT1-9405008X-WW
11 W	13 W	31 V	350 mA	80	3000K	25°	1400lm	950lm	TT2-8302511X-WW			
						50°	1400lm	950lm	TT2-8305011X-WW			
						4000K	25°	1500lm	1050lm	TT2-8402511X-WW		
							50°	1500lm	1050lm	TT2-8405011X-WW		
						90	3000K	25°	1200lm	850lm	TT2-9302511X-WW	
								50°	1200lm	850lm	TT2-9305011X-WW	
								4000K	25°	1300lm	950lm	TT2-9402511X-WW
									50°	1300lm	950lm	TT2-9405011X-WW

Code Remark: X=F(ON-OFF) X=P(Phase Dim) X=A(1-10V Dim) X=D(DALI Dim)

Project: Vejthani Hospital, Thailand



Black Reflector

LED Power	System Power	LED Voltage	LED Current	CRI	CCT	Beam	LED Output	System Output	Code						
7.5 W	9 W	31 V	250 mA	80	3000K	25°	1100lm	750lm	TT1-8302508X-WB						
						50°	1100lm	750lm	TT1-8305008X-WB						
						4000K	25°	1200lm	800lm	TT1-8402508X-WB					
							50°	1200lm	800lm	TT1-8405008X-WB					
						90	3000K	25°	900lm	600lm	TT1-9302508X-WB				
							50°	900lm	600lm	TT1-9305008X-WB					
					4000K	25°	1000lm	650lm	TT1-9402508X-WB						
						50°	1000lm	650lm	TT1-9405008X-WB						
					11 W	13 W	31 V	350 mA	80	3000K	25°	1400lm	950lm	TT2-8302511X-WB	
											50°	1400lm	950lm	TT2-8305011X-WB	
											4000K	25°	1500lm	1050lm	TT2-8402511X-WB
												50°	1500lm	1050lm	TT2-8405011X-WB
90	3000K	25°	1200lm	850lm							TT2-9302511X-WB				
	50°	1200lm	850lm	TT2-9305011X-WB											
4000K	25°	1300lm	950lm	TT2-9402511X-WB											
	50°	1300lm	950lm	TT2-9405011X-WB											

Code Remark: X=F(ON-OFF) X=P(Phase Dim) X=A(1-10V Dim) X=D(DALI Dim)

NEKO / TAKEO / T100

Fixed LED Downlight

Super Eye Comfort
High Efficiency



13W | **CRI80** | **2700K** | **30°**
9W | **CRI90** | **3000K** | **50°**
4000K

CITIZEN
Micro-Transistors
50,000h@L80B10

UGR < 19 | **IP54** | **5 YEARS GUARANTEE** | **CB** | **CE** | **ETL Intertek**



LED Power	System Power	LED Voltage	LED Current	CRI	CCT	Beam	LED Output	System Output	Code			
9 W	11 W	36 V	250 mA	80	3000K	30°	1300lm	1100lm	TS1-8303009X-WM			
						50°	1300lm	1000lm	TS1-8305009X-WM			
						4000K	30°	1400lm	1200lm	TS1-8403009X-WM		
							50°	1400lm	1100lm	TS1-8405009X-WM		
						90	3000K	30°	1100lm	950lm	TS1-9303009X-WM	
								50°	1100lm	850lm	TS1-9305009X-WM	
								4000K	30°	1200lm	1050lm	TS1-9403009X-WM
									50°	1200lm	950lm	TS1-9405009X-WM
13 W	15 W	36 V	350 mA	80	3000K	30°	1800lm	1500lm	TS2-8303013X-WM			
						50°	1800lm	1300lm	TS2-8305013X-WM			
						4000K	30°	1900lm	1600lm	TS2-8403013X-WM		
							50°	1900lm	1400lm	TS2-8405013X-WM		
						90	3000K	30°	1500lm	1300lm	TS2-9303013X-WM	
								50°	1500lm	1100lm	TS2-9305013X-WM	
								4000K	30°	1600lm	1400lm	TS2-9403013X-WM
									50°	1600lm	1200lm	TS2-9405013X-WM



9 W	11 W	36 V	250 mA	80	3000K	30°	1300lm	1100lm	TS1-8303009X-WW			
						50°	1300lm	1000lm	TS1-8305009X-WW			
						4000K	30°	1400lm	1200lm	TS1-8403009X-WW		
							50°	1400lm	1100lm	TS1-8405009X-WW		
						90	3000K	30°	1100lm	950lm	TS1-9303009X-WW	
								50°	1100lm	850lm	TS1-9305009X-WW	
								4000K	30°	1200lm	1050lm	TS1-9403009X-WW
									50°	1200lm	950lm	TS1-9405009X-WW
13 W	15 W	36 V	350 mA	80	3000K	30°	1800lm	1500lm	TS2-8303013X-WW			
						50°	1800lm	1300lm	TS2-8305013X-WW			
						4000K	30°	1900lm	1600lm	TS2-8403013X-WW		
							50°	1900lm	1400lm	TS2-8405013X-WW		
						90	3000K	30°	1500lm	1300lm	TS2-9303013X-WW	
								50°	1500lm	1100lm	TS2-9305013X-WW	
								4000K	30°	1600lm	1400lm	TS2-9403013X-WW
									50°	1600lm	1200lm	TS2-9405013X-WW

Code Remark: X=F(ON-OFF) X=P(Phase Dim) X=A(1-10V Dim) X=D(DALI Dim)

Project: Malaysia International Exhibition Convention Centre, Malaysia



Black Reflector

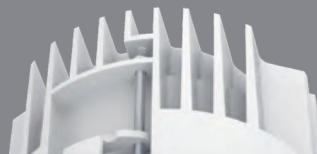
LED Power	System Power	LED Voltage	LED Current	CRI	CCT	Beam	LED Output	System Output	Code		
9 W	11 W	36 V	250 mA	80	3000K	30°	1300lm	1100lm	TS1-8303009X-WB		
						50°	1300lm	1000lm	TS1-8305009X-WB		
						4000K	30°	1400lm	1200lm	TS1-8403009X-WB	
							50°	1400lm	1100lm	TS1-8405009X-WB	
					90	3000K	30°	1100lm	950lm	TS1-9303009X-WB	
							50°	1100lm	850lm	TS1-9305009X-WB	
							4000K	30°	1200lm	1050lm	TS1-9403009X-WB
								50°	1200lm	950lm	TS1-9405009X-WB
13 W	15 W	36 V	350 mA	80	3000K	30°	1800lm	1500lm	TS2-8303013X-WB		
						50°	1800lm	1300lm	TS2-8305013X-WB		
						4000K	30°	1900lm	1600lm	TS2-8403013X-WB	
							50°	1900lm	1400lm	TS2-8405013X-WB	
					90	3000K	30°	1500lm	1300lm	TS2-9303013X-WB	
							50°	1500lm	1100lm	TS2-9305013X-WB	
							4000K	30°	1600lm	1400lm	TS2-9403013X-WB
								50°	1600lm	1200lm	TS2-9405013X-WB

Code Remark: X=F(ON-OFF) X=P(Phase Dim) X=A(1-10V Dim) X=D(DALI Dim)




NEKO / TAKEO / T100-DW

Fixed LED Downlight

Dim to Warm



12W CRI95 1800K-3000K Dim to Warm 50° 50,000h@L80B10 UGR < 19 IP54 CB CE 100 1-25mm Ceiling Thickness 79 Ø110

	LED Power	System Power	LED Voltage	LED Current	CRI	CCT	Beam	LED Output	System Output	Code
	12 W	14 W	34 V	350 mA	95	1800K-3000K	50°	1200lm	Max.1000lm	TS2-9D35012X-WM
	12 W	14 W	34 V	350 mA	95	1800K-3000K	50°	1200lm	Max.1000lm	TS2-9D35012X-WW
	12 W	14 W	34 V	350 mA	95	1800K-3000K	50°	1200lm	Max.1000lm	TS2-9D35012X-WB

Code Remark: X=P(Phase Dim) X=A(1-10V Dim) X=D(DALI Dim)

DIM to WARM

1800K

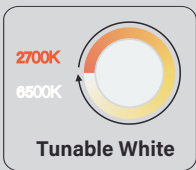
2700K

3000K






NEKO / TAKEO / T100-TW
 Fixed LED Downlight
 Tunable White

! NEW



13W CRI90 2700K-6500K Tunable White 50° **bridgelux.** 50,000h@L80B10 **UGR < 19** **IP54** **5 YEARS GUARANTEE** **CB CE** **ETL Intertek** **100** **1-25mm Ceiling Thickness** **79** **Ø110**

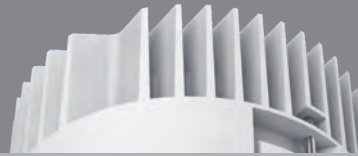
	LED Power	System Power	LED Voltage	LED Current	CRI	CCT	Beam	System Output	Code
 Matt Reflector	13 W	15 W	36 V	350 mA	90	2700K-6500K	50°	Max.1300lm	TS2-9TW5013X-WM
						@2700K	50°	950lm	
						@3000K	50°	1000lm	
						@4000K	50°	1100lm	
						@5000K	50°	1200lm	
						@6500K	50°	1300lm	
 White Reflector	13 W	15 W	36 V	350 mA	90	2700K-6500K	50°	Max.1300lm	TS2-9TW5013X-WW
						@2700K	50°	950lm	
						@3000K	50°	1000lm	
						@4000K	50°	1100lm	
						@5000K	50°	1200lm	
						@6500K	50°	1300lm	
 Black Reflector	13 W	15 W	36 V	350 mA	90	2700K-6500K	50°	Max.1300lm	TS2-9TW5013X-WB
						@2700K	50°	950lm	
						@3000K	50°	1000lm	
						@4000K	50°	1100lm	
						@5000K	50°	1200lm	
						@6500K	50°	1300lm	

Code Remark: X=D(DALI Dim)

NEKO / TAKEO / T150

Fixed LED Downlight

Super Eye Comfort
High Efficiency



25W
18W

CRI80
CRI90

2700K
3000K
4000K

30°
60°

CITIZEN
Micro-Miniature
50,000h@L80B10

UGR
< 19

IP54

5 YEARS
GUARANTEE

CB

CE

ETL
Intertek

150

1-25mm
Ceiling Thickness

100
Ø160

LED Power	System Power	LED Voltage	LED Current	CRI	CCT	Beam	LED Output	System Output	Code						
18 W	21 W	36 V	500 mA	80	3000K	30°	2800lm	2300lm	TM1-8303018X-WM						
						60°	2800lm	2000lm	TM1-8306018X-WM						
						4000K	30°	3000lm	2500lm	TM1-8403018X-WM					
							60°	3000lm	2200lm	TM1-8406018X-WM					
						90	3000K	30°	2400lm	2000lm	TM1-9303018X-WM				
							60°	2400lm	1800lm	TM1-9306018X-WM					
					4000K	30°	2600lm	2200lm	TM1-9403018X-WM						
						60°	2600lm	1900lm	TM1-9406018X-WM						
					25 W	28 W	36 V	700 mA	80	3000K	30°	3800lm	3100lm	TM2-8303025X-WM	
											60°	3800lm	2700lm	TM2-8306025X-WM	
											4000K	30°	4000lm	3300lm	TM2-8403025X-WM
												60°	4000lm	2900lm	TM2-8406025X-WM
90	3000K	30°	3200lm	2700lm							TM2-9303025X-WM				
	60°	3200lm	2400lm	TM2-9306025X-WM											
4000K	30°	3400lm	2900lm	TM2-9403025X-WM											
	60°	3400lm	2600lm	TM2-9406025X-WM											
18 W	21 W	36 V	500 mA	80						3000K	30°	2800lm	2300lm	TM1-8303018X-WW	
											60°	2800lm	2000lm	TM1-8306018X-WW	
											4000K	30°	3000lm	2500lm	TM1-8403018X-WW
												60°	3000lm	2200lm	TM1-8406018X-WW
					90	3000K	30°	2400lm	2000lm		TM1-9303018X-WW				
						60°	2400lm	1800lm	TM1-9306018X-WW						
					4000K	30°	2600lm	2200lm	TM1-9403018X-WW						
						60°	2600lm	1900lm	TM1-9406018X-WW						
					25 W	28 W	36 V	700 mA	80	3000K	30°	3800lm	3100lm	TM2-8303025X-WW	
											60°	3800lm	2700lm	TM2-8306025X-WW	
											4000K	30°	4000lm	3300lm	TM2-8403025X-WW
												60°	4000lm	2900lm	TM2-8406025X-WW
90	3000K	30°	3200lm	2700lm							TM2-9303025X-WW				
	60°	3200lm	2400lm	TM2-9306025X-WW											
4000K	30°	3400lm	2900lm	TM2-9403025X-WW											
	60°	3400lm	2600lm	TM2-9406025X-WW											

Matt Reflector

White Reflector

Code Remark: X=F(ON-OFF) X=P(Phase Dim) X=A(1-10V Dim) X=D(DALI Dim)



Black Reflector

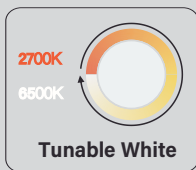
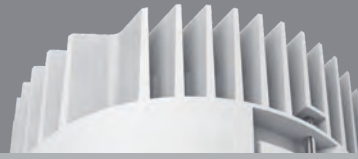
LED Power	System Power	LED Voltage	LED Current	CRI	CCT	Beam	LED Output	System Output	Code	
18 W	21 W	36 V	500 mA	80	3000K	30°	2800lm	2300lm	TM1-8303018X-WB	
						60°	2800lm	2000lm	TM1-8306018X-WB	
						4000K	30°	3000lm	2500lm	TM1-8403018X-WB
							60°	3000lm	2200lm	TM1-8406018X-WB
					90	3000K	30°	2400lm	2000lm	TM1-9303018X-WB
							60°	2400lm	1800lm	TM1-9306018X-WB
						4000K	30°	2600lm	2200lm	TM1-9403018X-WB
							60°	2600lm	1900lm	TM1-9406018X-WB
25 W	28 W	36 V	700 mA	80	3000K	30°	3800lm	3100lm	TM2-8303025X-WB	
						60°	3800lm	2700lm	TM2-8306025X-WB	
						4000K	30°	4000lm	3300lm	TM2-8403025X-WB
							60°	4000lm	2900lm	TM2-8406025X-WB
					90	3000K	30°	3200lm	2700lm	TM2-9303025X-WB
							60°	3200lm	2400lm	TM2-9306025X-WB
						4000K	30°	3400lm	2900lm	TM2-9403025X-WB
							60°	3400lm	2600lm	TM2-9406025X-WB

Code Remark: X=F(ON-OFF) X=P(Phase Dim) X=A(1-10V Dim) X=D(DALI Dim)

NEKO / TAKEO / T150-TW

Fixed LED Downlight

Tunable White



25W 18W | CRI90 | 2700K-6500K Tunable White | 60° | bridgelux. 50,000h@L80B10 | UGR < 19 | IP54 | 5 YEARS GUARANTEE | CB CE | ETL Intertek

150 | 1-25mm Ceiling Thickness | 100 | Ø160

LED Power	System Power	LED Voltage	LED Current	CRI	CCT	Beam	System Output	Code
18 W	21 W	36 V	500 mA	90	2700K-6500K	60°	Max.1900lm	TM1-9TW6018X-WM
					@2700K	60°	1500lm	
					@3000K	60°	1600lm	
					@4000K	60°	1700lm	
					@5000K	60°	1800lm	
					@6500K	60°	1900lm	
25 W	28 W	36 V	700 mA	90	2700K-6500K	60°	Max.2600lm	TM2-9TW6025X-WM
					@2700K	60°	2000lm	
					@3000K	60°	2100lm	
					@4000K	60°	2300lm	
					@5000K	60°	2500lm	
					@6500K	60°	2600lm	
18 W	21 W	36 V	500 mA	90	2700K-6500K	60°	Max.1900lm	TM1-9TW6018X-WW
					@2700K	60°	1500lm	
					@3000K	60°	1600lm	
					@4000K	60°	1700lm	
					@5000K	60°	1800lm	
					@6500K	60°	1900lm	
25 W	28 W	36 V	700 mA	90	2700K-6500K	60°	Max.2600lm	TM2-9TW6025X-WW
					@2700K	60°	2000lm	
					@3000K	60°	2100lm	
					@4000K	60°	2300lm	
					@5000K	60°	2500lm	
					@6500K	60°	2600lm	
18 W	21 W	36 V	500 mA	90	2700K-6500K	60°	Max.1900lm	TM1-9TW6018X-WB
					@2700K	60°	1500lm	
					@3000K	60°	1600lm	
					@4000K	60°	1700lm	
					@5000K	60°	1800lm	
					@6500K	60°	1900lm	
25 W	28 W	36 V	700 mA	90	2700K-6500K	60°	Max.2600lm	TM2-9TW6025X-WB
					@2700K	60°	2000lm	
					@3000K	60°	2100lm	
					@4000K	60°	2300lm	
					@5000K	60°	2500lm	
					@6500K	60°	2600lm	



Code Remark: X=D(DALI Dim)

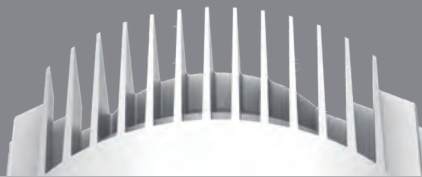
Project: Mist Hot Spring Hotel Xuchang, China



NEKO / TAKEO / T200

Fixed LED Downlight

Super Eye Comfort
High Efficiency



38W | **CRI80** | **2700K** | **18°** | **CITIZEN** | **UGR < 19** | **IP54** | **5 YEARS** | **CB** | **CE** | **ETL**
52W | **CRI90** | **3000K** | **30°** | **Micro-Mini-LED** | **50,000h@L80B10** | **< 19** | **GUARANTEE** | **Intertek**



LED Power	System Power	LED Voltage	LED Current	CRI	CCT	Beam	LED Output	System Output	Code
38 W	42 W	36 V	1050 mA	80	3000K	18°	5400lm	4400lm	TL2-8301838X-WM
						30°	5400lm	4400lm	TL2-8303038X-WM
						60°	5400lm	3900lm	TL2-8306038X-WM
						18°	5600lm	4600lm	TL2-8401838X-WM
						30°	5600lm	4600lm	TL2-8403038X-WM
						60°	5600lm	4100lm	TL2-8406038X-WM
					4000K	18°	4600lm	3800lm	TL2-9301838X-WM
						30°	4600lm	3800lm	TL2-9303038X-WM
						60°	4600lm	3300lm	TL2-9306038X-WM
						18°	4800lm	3900lm	TL2-9401838X-WM
						30°	4800lm	3900lm	TL2-9403038X-WM
						60°	4800lm	3400lm	TL2-9406038X-WM
52 W	56 W	36 V	1400 mA	80	3000K	18°	6600lm	5400lm	TL3-8301852X-WM
						30°	6600lm	5400lm	TL3-8303052X-WM
						60°	6600lm	4800lm	TL3-8306052X-WM
						18°	6800lm	5600lm	TL3-8401852X-WM
						30°	6800lm	5600lm	TL3-8403052X-WM
						60°	6800lm	5000lm	TL3-8406052X-WM
					4000K	18°	5600lm	4600lm	TL3-9301852X-WM
						30°	5600lm	4600lm	TL3-9303052X-WM
						60°	5600lm	4100lm	TL3-9306052X-WM
						18°	5800lm	4800lm	TL3-9401852X-WM
						30°	5800lm	4800lm	TL3-9403052X-WM
						60°	5800lm	4300lm	TL3-9406052X-WM
38 W	42 W	36 V	1050 mA	80	3000K	18°	5400lm	4400lm	TL2-8301838X-WW
						30°	5400lm	4400lm	TL2-8303038X-WW
						60°	5400lm	3900lm	TL2-8306038X-WW
						18°	5600lm	4600lm	TL2-8401838X-WW
						30°	5600lm	4600lm	TL2-8403038X-WW
						60°	5600lm	4100lm	TL2-8406038X-WW
					4000K	18°	4600lm	3800lm	TL2-9301838X-WW
						30°	4600lm	3800lm	TL2-9303038X-WW
						60°	4600lm	3300lm	TL2-9306038X-WW
						18°	4800lm	3900lm	TL2-9401838X-WW
						30°	4800lm	3900lm	TL2-9403038X-WW
						60°	4800lm	3400lm	TL2-9406038X-WW
52 W	56 W	36 V	1400 mA	80	3000K	18°	6600lm	5400lm	TL3-8301852X-WW
						30°	6600lm	5400lm	TL3-8303052X-WW
						60°	6600lm	4800lm	TL3-8306052X-WW
						18°	6800lm	5600lm	TL3-8401852X-WW
						30°	6800lm	5600lm	TL3-8403052X-WW
						60°	6800lm	5000lm	TL3-8406052X-WW
					4000K	18°	5600lm	4600lm	TL3-9301852X-WW
						30°	5600lm	4600lm	TL3-9303052X-WW
						60°	5600lm	4100lm	TL3-9306052X-WW
						18°	5800lm	4800lm	TL3-9401852X-WW
						30°	5800lm	4800lm	TL3-9403052X-WW
						60°	5800lm	4300lm	TL3-9406052X-WW



Project: Malaysia International Exhibition Convention Centre, Malaysia

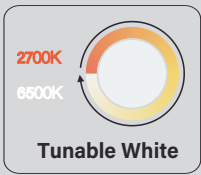
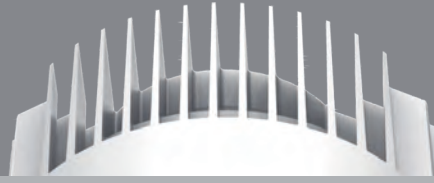


Black Reflector

LED Power	System Power	LED Voltage	LED Current	CRI	CCT	Beam	LED Output	System Output	Code
38 W	42 W	36 V	1050 mA	80	3000K	18°	5400lm	4400lm	TL2-8301838X-WB
						30°	5400lm	4400lm	TL2-8303038X-WB
						60°	5400lm	3900lm	TL2-8306038X-WB
						18°	5600lm	4600lm	TL2-8401838X-WB
						30°	5600lm	4600lm	TL2-8403038X-WB
						60°	5600lm	4100lm	TL2-8406038X-WB
					4000K	18°	4600lm	3800lm	TL2-9301838X-WB
						30°	4600lm	3800lm	TL2-9303038X-WB
						60°	4600lm	3300lm	TL2-9306038X-WB
						18°	4800lm	3900lm	TL2-9401838X-WB
						30°	4800lm	3900lm	TL2-9403038X-WB
						60°	4800lm	3400lm	TL2-9406038X-WB
52 W	56 W	36 V	1400 mA	80	3000K	18°	6600lm	5400lm	TL3-8301852X-WB
						30°	6600lm	5400lm	TL3-8303052X-WB
						60°	6600lm	4800lm	TL3-8306052X-WB
						18°	6800lm	5600lm	TL3-8401852X-WB
						30°	6800lm	5600lm	TL3-8403052X-WB
						60°	6800lm	5000lm	TL3-8406052X-WB
					4000K	18°	5600lm	4600lm	TL3-9301852X-WB
						30°	5600lm	4600lm	TL3-9303052X-WB
						60°	5600lm	4100lm	TL3-9306052X-WB
						18°	5800lm	4800lm	TL3-9401852X-WB
						30°	5800lm	4800lm	TL3-9403052X-WB
						60°	5800lm	4300lm	TL3-9406052X-WB

Code Remark: X=F(ON-OFF) X=P(Phase Dim) X=A(1-10V Dim) X=D(DALI Dim)

NEKO / TAKEO / T200-TW
Fixed LED Downlight
Tunable White



25W | CRI90 | 2700K-6500K Tunable White | 60° | bridgelux, 50,000h@L80B10 | UGR < 19 | IP54 | 5 YEARS GUARANTEE | CB CE | ETL Intertek | 200 | 1-25mm Ceiling Thickness | 132 | Ø218



Matt Reflector

LED Power	System Power	LED Voltage	LED Current	CRI	CCT	Beam	System Output	Code
25 W	28 W	36 V	700 mA	90	2700K-6500K	60°	Max.2700lm	TL1-9TW6025X-WM
					@2700K	60°	2100lm	
					@3000K	60°	2200lm	
					@4000K	60°	2400lm	
					@5000K	60°	2600lm	
					@6500K	60°	2700lm	



White Reflector

25 W	28 W	36 V	700 mA	90	2700K-6500K	60°	Max.2700lm	TL1-9TW6025X-WW
					@2700K	60°	2100lm	
					@3000K	60°	2200lm	
					@4000K	60°	2400lm	
					@5000K	60°	2600lm	
					@6500K	60°	2700lm	



Black Reflector

25 W	28 W	36 V	700 mA	90	2700K-6500K	60°	Max.2700lm	TL1-9TW6025X-WB
					@2700K	60°	2100lm	
					@3000K	60°	2200lm	
					@4000K	60°	2400lm	
					@5000K	60°	2600lm	
					@6500K	60°	2700lm	

Code Remark: X=D(DALI Dim)

Project: Malaysia International Exhibition Convention Centre, Malaysia



NEKO / TAKEO / T150C

TAKEO150 Ceiling Light

Super Eye Comfort
High Efficiency



25W CRI80 2700K 30° CITIZEN UGR < 19 IP 20 5 YEARS GUARANTEE CB CE

18W CRI90 3000K 60° 50,000h@L80B10



Matt Reflector



Matt Reflector

LED Power	System Power	LED Voltage	LED Current	CRI	CCT	Beam	LED Output	System Output	Code				
18 W	21 W	36 V	500 mA	80	3000K	30°	2800lm	2300lm	TMC1-8303018X-WM				
						60°	2800lm	2000lm	TMC1-8306018X-WM				
					4000K	30°	3000lm	2500lm	TMC1-8403018X-WM				
						60°	3000lm	2200lm	TMC1-8406018X-WM				
					90	3000K	30°	2400lm	2000lm	TMC1-9303018X-WM			
							60°	2400lm	1800lm	TMC1-9306018X-WM			
				4000K	30°	2600lm	2200lm	TMC1-9403018X-WM					
					60°	2600lm	1900lm	TMC1-9406018X-WM					
				25 W	28 W	36 V	700 mA	80	3000K	30°	3800lm	3100lm	TMC2-8303025X-WM
										60°	3800lm	2700lm	TMC2-8306025X-WM
									4000K	30°	4000lm	3300lm	TMC2-8403025X-WM
										60°	4000lm	2900lm	TMC2-8406025X-WM
90	3000K	30°	3200lm						2700lm	TMC2-9303025X-WM			
		60°	3200lm						2400lm	TMC2-9306025X-WM			
4000K	30°	3400lm	2900lm					TMC2-9403025X-WM					
	60°	3400lm	2600lm					TMC2-9406025X-WM					
18 W	21 W	36 V	500 mA					80	3000K	30°	2800lm	2300lm	TMC1-8303018X-BM
										60°	2800lm	2000lm	TMC1-8306018X-BM
									4000K	30°	3000lm	2500lm	TMC1-8403018X-BM
										60°	3000lm	2200lm	TMC1-8406018X-BM
				90	3000K	30°	2400lm		2000lm	TMC1-9303018X-BM			
						60°	2400lm		1800lm	TMC1-9306018X-BM			
				4000K	30°	2600lm	2200lm	TMC1-9403018X-BM					
					60°	2600lm	1900lm	TMC1-9406018X-BM					
				25 W	28 W	36 V	700 mA	80	3000K	30°	3800lm	3100lm	TMC2-8303025X-BM
										60°	3800lm	2700lm	TMC2-8306025X-BM
									4000K	30°	4000lm	3300lm	TMC2-8403025X-BM
										60°	4000lm	2900lm	TMC2-8406025X-BM
90	3000K	30°	3200lm						2700lm	TMC2-9303025X-BM			
		60°	3200lm						2400lm	TMC2-9306025X-BM			
4000K	30°	3400lm	2900lm					TMC2-9403025X-BM					
	60°	3400lm	2600lm					TMC2-9406025X-BM					

Code Remark: X=F(ON-OFF) X=P(Phase Dim) X=A(1-10V Dim) X=D(DALI Dim)



Black Reflector

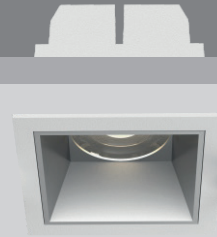
White Reflector

Matt Reflector

NEKO / TAKEO / TS68

Fixed LED Downlight

Super Eye Comfort
High Efficiency



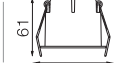
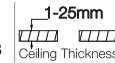
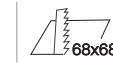
7.5 W
11 W

25°
60°

CITIZEN
Micro Dimming Tech
50,000h @ L80B10

UGR
< 19

IP 54



Matt Reflector



White Reflector

LED Power	System Power	LED Voltage	LED Current	CRI	CCT	Beam	LED Output	System Output	Code	
7.5 W	9 W	31 V	250 mA	80	3000K	25°	1100lm	700lm	TTS1-8302508X-WM	
						60°	1100lm	700lm	TTS1-8306008X-WM	
					4000K	25°	1200lm	750lm	TTS1-8402508X-WM	
						60°	1200lm	750lm	TTS1-8406008X-WM	
					90	3000K	25°	900lm	600lm	TTS1-9302508X-WM
							60°	900lm	600lm	TTS1-9306008X-WM
	4000K	25°	1000lm	650lm	TTS1-9402508X-WM					
		60°	1000lm	650lm	TTS1-9406008X-WM					
	11 W	13 W	31 V	350 mA	80	3000K	25°	1400lm	900lm	TTS2-8302511X-WM
							60°	1400lm	900lm	TTS2-8306011X-WM
						4000K	25°	1500lm	950lm	TTS2-8402511X-WM
							60°	1500lm	950lm	TTS2-8406011X-WM
90						3000K	25°	1200lm	800lm	TTS2-9302511X-WM
							60°	1200lm	800lm	TTS2-9306011X-WM
4000K		25°	1300lm	850lm	TTS2-9402511X-WM					
		60°	1300lm	850lm	TTS2-9406011X-WM					
7.5 W		9 W	31 V	250 mA	80	3000K	25°	1100lm	700lm	TTS1-8302508X-WW
							60°	1100lm	700lm	TTS1-8306008X-WW
						4000K	25°	1200lm	750lm	TTS1-8402508X-WW
							60°	1200lm	750lm	TTS1-8406008X-WW
	90					3000K	25°	900lm	600lm	TTS1-9302508X-WW
							60°	900lm	600lm	TTS1-9306008X-WW
	4000K	25°	1000lm	650lm	TTS1-9402508X-WW					
		60°	1000lm	650lm	TTS1-9406008X-WW					
	11 W	13 W	31 V	350 mA	80	3000K	25°	1400lm	900lm	TTS2-8302511X-WW
							60°	1400lm	900lm	TTS2-8306011X-WW
						4000K	25°	1500lm	950lm	TTS2-8402511X-WW
							60°	1500lm	950lm	TTS2-8406011X-WW
90						3000K	25°	1200lm	800lm	TTS2-9302511X-WW
							60°	1200lm	800lm	TTS2-9306011X-WW
4000K		25°	1300lm	850lm	TTS2-9402511X-WW					
		60°	1300lm	850lm	TTS2-9406011X-WW					

Code Remark: X=F(ON-OFF) X=P(Phase Dim) X=A(1-10V Dim) X=D(DALI Dim)



LED Power	System Power	LED Voltage	LED Current	CRI	CCT	Beam	LED Output	System Output	Code		
7.5 W	9 W	31 V	250 mA	80	3000K	25°	1100lm	700lm	TTS1-8302508X-WB		
						60°	1100lm	700lm	TTS1-8306008X-WB		
						4000K	25°	1200lm	750lm	TTS1-8402508X-WB	
							60°	1200lm	750lm	TTS1-8406008X-WB	
						90	3000K	25°	900lm	600lm	TTS1-9302508X-WB
								60°	900lm	600lm	TTS1-9306008X-WB
4000K	25°	1000lm	650lm	TTS1-9402508X-WB							
	60°	1000lm	650lm	TTS1-9406008X-WB							
11 W	13 W	31 V	350 mA	80	3000K	25°	1400lm	900lm	TTS2-8302511X-WB		
						60°	1400lm	900lm	TTS2-8306011X-WB		
						4000K	25°	1500lm	950lm	TTS2-8402511X-WB	
							60°	1500lm	950lm	TTS2-8406011X-WB	
						90	3000K	25°	1200lm	800lm	TTS2-9302511X-WB
								60°	1200lm	800lm	TTS2-9306011X-WB
4000K	25°	1300lm	850lm	TTS2-9402511X-WB							
	60°	1300lm	850lm	TTS2-9406011X-WB							

Code Remark: X=F(ON-OFF) X=P(Phase Dim) X=A(1-10V Dim) X=D(DALI Dim)

NEKO / TAKEO / TS100

Fixed LED Downlight

Super Eye Comfort

High Efficiency



9 W | **CRi90** | **2700K**
13 W | **CRi80** | **3000K**
 | | **4000K**



Matt Reflector

LED Power	System Power	LED Voltage	LED Current	CRI	CCT	Beam	LED Output	System Output	Code		
9 W	11 W	36 V	250 mA	80	3000K	60°	1300lm	900lm	TSS1-8306009X-WM		
						60°	1400lm	1000lm	TSS1-8406009X-WM		
						90	3000K	60°	1100lm	800lm	TSS1-9306009X-WM
							4000K	60°	1200lm	850lm	TSS1-9406009X-WM
13 W	15 W	36 V	350 mA	80	3000K	60°	1800lm	1200lm	TSS2-8306013X-WM		
						60°	1900lm	1300lm	TSS2-8406013X-WM		
						90	3000K	60°	1500lm	1100lm	TSS2-9306013X-WM
							4000K	60°	1600lm	1200lm	TSS2-9406013X-WM



White Reflector

9 W	11 W	36 V	250 mA	80	3000K	60°	1300lm	900lm	TSS1-8306009X-WW		
						60°	1400lm	1000lm	TSS1-8406009X-WW		
						90	3000K	60°	1100lm	800lm	TSS1-9306009X-WW
							4000K	60°	1200lm	850lm	TSS1-9406009X-WW
13 W	15 W	36 V	350 mA	80	3000K	60°	1800lm	1200lm	TSS2-8306013X-WW		
						60°	1900lm	1300lm	TSS2-8406013X-WW		
						90	3000K	60°	1500lm	1100lm	TSS2-9306013X-WW
							4000K	60°	1600lm	1200lm	TSS2-9406013X-WW



Black Reflector

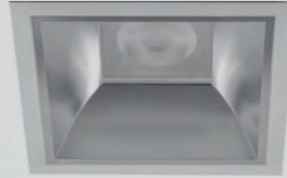
9 W	11 W	36 V	250 mA	80	3000K	60°	1300lm	900lm	TSS1-8306009X-WB		
						60°	1400lm	1000lm	TSS1-8406009X-WB		
						90	3000K	60°	1100lm	800lm	TSS1-9306009X-WB
							4000K	60°	1200lm	850lm	TSS1-9406009X-WB
13 W	15 W	36 V	350 mA	80	3000K	60°	1800lm	1200lm	TSS2-8306013X-WB		
						60°	1900lm	1300lm	TSS2-8406013X-WB		
						90	3000K	60°	1500lm	1100lm	TSS2-9306013X-WB
							4000K	60°	1600lm	1200lm	TSS2-9406013X-WB

Code Remark: X=F(ON-OFF) X=P(Phase Dim) X=A(1-10V Dim) X=D(DALI Dim)

NEKO / TAKEO / TS150

Fixed LED Downlight

Super Eye Comfort
High Efficiency



18W
25W

CRI90
CRI80

2700K
3000K
4000K

70°

CITIZEN
50,000h@L80B10

UGR
< 19

IP54

5 YEARS
GUARANTEE

CB CE

ETL Intertek

150x150

1-25mm
Ceiling Thickness

100
167x167



Matt Reflector



White Reflector



Black Reflector

LED Power	System Power	LED Voltage	LED Current	CRI	CCT	Beam	LED Output	System Output	Code						
18 W	21 W	36 V	500 mA	80	3000K	70°	2800lm	1700lm	TSM1-8307018X-WM						
						4000K	70°	3000lm	1800lm	TSM1-8407018X-WM					
						90	3000K	70°	2400lm	1500lm	TSM1-9307018X-WM				
							4000K	70°	2600lm	1600lm	TSM1-9407018X-WM				
						25 W	28 W	36 V	700 mA	80	3000K	70°	3800lm	2400lm	TSM2-8307025X-WM
												4000K	70°	4000lm	2600lm
90	3000K	70°	3200lm	2100lm	TSM2-9307025X-WM										
	4000K	70°	3400lm	2300lm	TSM2-9407025X-WM										
18 W	21 W	36 V	500 mA	80	3000K	70°	2800lm	1700lm	TSM1-8307018X-WW						
						4000K	70°	3000lm	1800lm	TSM1-8407018X-WW					
						90	3000K	70°	2400lm	1500lm	TSM1-9307018X-WW				
							4000K	70°	2600lm	1600lm	TSM1-9407018X-WW				
						25 W	28 W	36 V	700 mA	80	3000K	70°	3800lm	2400lm	TSM2-8307025X-WW
												4000K	70°	4000lm	2600lm
90	3000K	70°	3200lm	2100lm	TSM2-9307025X-WW										
	4000K	70°	3400lm	2300lm	TSM2-9407025X-WW										
18 W	21 W	36 V	500 mA	80	3000K	70°	2800lm	1700lm	TSM1-8307018X-WB						
						4000K	70°	3000lm	1800lm	TSM1-8407018X-WB					
						90	3000K	70°	2400lm	1500lm	TSM1-9307018X-WB				
							4000K	70°	2600lm	1600lm	TSM1-9407018X-WB				
						25 W	28 W	36 V	700 mA	80	3000K	70°	3800lm	2400lm	TSM2-8307025X-WB
												4000K	70°	4000lm	2600lm
90	3000K	70°	3200lm	2100lm	TSM2-9307025X-WB										
	4000K	70°	3400lm	2300lm	TSM2-9407025X-WB										

Code Remark: X=F(ON-OFF) X=P(Phase Dim) X=A(1-10V Dim) X=D(DALI Dim)

NEKO / TAKEO / TS200

Fixed LED Downlight

Super Eye Comfort

High Efficiency



25W
38W

CRI90
CRI80

2700K
3000K
4000K



CITIZEN
50,000h@L80B10

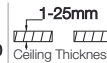
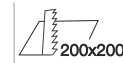
UGR
< 19

IP54



CB

CE



220x220



Matt Reflector



White Reflector



Black Reflector

LED Power	System Power	LED Voltage	LED Current	CRI	CCT	Beam	LED Output	System Output	Code						
25 W	28 W	36 V	700 mA	80	3000K	70°	3000lm	2200lm	TSL1-8307025X-WM						
						70°	3200lm	2400lm	TSL1-8407025X-WM						
						90	3000K	70°	2600lm	1900lm	TSL1-9307025X-WM				
							4000K	70°	2800lm	2100lm	TSL1-9407025X-WM				
						80	3000K	70°	4300lm	3200lm	TSL2-8307038X-WM				
							4000K	70°	4500lm	3400lm	TSL2-8407038X-WM				
38 W	42 W	36 V	1050 mA	80	3000K	70°	4300lm	3200lm	TSL2-8307038X-WM						
						70°	4500lm	3400lm	TSL2-8407038X-WM						
						90	3000K	70°	3700lm	2700lm	TSL2-9307038X-WM				
							4000K	70°	3900lm	2900lm	TSL2-9407038X-WM				
						25 W	28 W	36 V	700 mA	80	3000K	70°	3000lm	2200lm	TSL1-8307025X-WW
												70°	3200lm	2400lm	TSL1-8407025X-WW
90	3000K	70°	2600lm	1900lm	TSL1-9307025X-WW										
	4000K	70°	2800lm	2100lm	TSL1-9407025X-WW										
80	3000K	70°	4300lm	3200lm	TSL2-8307038X-WW										
	4000K	70°	4500lm	3400lm	TSL2-8407038X-WW										
38 W	42 W	36 V	1050 mA	80	3000K	70°	4300lm	3200lm	TSL2-8307038X-WW						
						70°	4500lm	3400lm	TSL2-8407038X-WW						
						90	3000K	70°	3700lm	2700lm	TSL2-9307038X-WW				
							4000K	70°	3900lm	2900lm	TSL2-9407038X-WW				
						25 W	28 W	36 V	700 mA	80	3000K	70°	3000lm	2200lm	TSL1-8307025X-WB
												70°	3200lm	2400lm	TSL1-8407025X-WB
90	3000K	70°	2600lm	1900lm	TSL1-9307025X-WB										
	4000K	70°	2800lm	2100lm	TSL1-9407025X-WB										
80	3000K	70°	4300lm	3200lm	TSL2-8307038X-WB										
	4000K	70°	4500lm	3400lm	TSL2-8407038X-WB										
38 W	42 W	36 V	1050 mA	80	3000K	70°	4300lm	3200lm	TSL2-8307038X-WB						
						70°	4500lm	3400lm	TSL2-8407038X-WB						
						90	3000K	70°	3700lm	2700lm	TSL2-9307038X-WB				
							4000K	70°	3900lm	2900lm	TSL2-9407038X-WB				

Code Remark: X=F(ON-OFF) X=P(Phase Dim) X=A(1-10V Dim) X=D(DALI Dim)



Black Housing Available for TAKEO Series