



05488E00

Pendant Light Fitting NEC Series 6480

- For use in
 - Class I, Zone 2, Group II C
 - Class I; Div. 2, Groups ABCD
 - Class II, Div. 2, Groups FG
 - Class III
- Three sizes are available from 50 W up to 400 W
- Available light sources
 - high-pressure sodium lamps (HSE)
 - metal halide lamps (HIE)
 - mercury lamps (HME)
- Versatile mounting methods
- External reflector made of glass-fibre reinforced polyester

STAHL

Class I, Zone 2 / Div. 2; Class II, Div. 2; Class III



Selection Table									
Version	Lamps ¹⁾	Lamp holder	Lamp wattage	Voltage ²⁾	Rated current I _N	Order number	Weight kg		
					A				
Pendant Light Fitting NEC Series 6480 Size 1 up to 150 W; with compensation	HIE	E 26	50 W	120 V 60 Hz	0.64	6480/11...-2051-1.0-2	1.035		
			70 W	120 V 60 Hz	0.85	6480/11...-2071-1.0-2	1.575		
					QUAD	0.8/0.46/0.4/0.35	6480/11...-2071-1.0-4	2.250	
					TRI	0.81/0.35/0.28	6480/11...-2071-1.0-5	2.250	
			100 W	120 V 60 Hz	1.15/0.66/0.58/0.5	6480/11...-2101-1.0-4	2.475		
					TRI	1.15/0.5/0.40	6480/11...-2101-1.0-5	2.475	
		150 W	120 V 60 Hz	1.60/1.00/0.8/0.70	6480/11...-2151-1.0-4	3.150			
				TRI	1.6/0.7/0.55	6480/11...-2151-1.0-5	3.150		
		HSE	E 26	50 W	120 V 60 Hz	1.18	6480/11...-3051-1.0-2	0.810	
				70 W	120 V 60 Hz	0.81	6480/11...-3071-1.0-2	0.900	
						QUAD	0.81/0.47/0.40/0.35	6480/11...-3071-1.0-4	2.475
						TRI	0.81/0.35/0.3	6480/11...-3071-1.0-5	2.475
	100 W			120 V 60 Hz	2.1	6480/11...-3101-1.0-2	1.125		
					QUAD	1.15/0.67/0.58/0.50	6480/11...-3101-1.0-4	3.240	
				TRI	1.15/0.60/0.45	6480/11...-3101-1.0-5	3.375		
	150 W		120 V 60 Hz	3.2	6480/11...-3151-1.0-2	1.575			
				QUAD	1.65/0.95/0.83/0.72	6480/11...-3151-1.0-4	3.375		
				TRI	1.65/0.72/0.56	6480/11...-3151-1.0-5	3.375		
	HME		E 26	50 W	120 V 60 Hz	1.5	6480/11...-4051-1.0-2	1.350	
				75 W	120 V 60 Hz	1.6	6480/11...-4081-1.0-2	1.575	
		100 W		120 V 60 Hz	1.05	6480/11...-4101-1.0-2	1.800		
					QUAD	1.05/0.60/0.52/0.45	6480/11...-4101-1.0-4	2.250	
					TRI	1.05/0.45/0.38	6480/11...-4101-1.0-5	2.250	
Order Number Supplement									
Mounting and cable entries	Mounting	Ceiling mount	Cable entries						
			3/4" NPT	6480/1.32-.....				1.230	
			1"	6480/1.33-.....	1.234				
	Wall mount		1/2" NPT	6480/1.41-.....	1.881				
			3/4" NPT	6480/1.42-.....	1.881				
			1"	6480/1.43-.....	1.881				
	Stanchion mount 25 °		1 1/4" NPT	6480/1.54-.....	1.113				
			1 1/2" NPT	6480/1.55-.....	1.113				
	Stanchion mount 90 °		1 1/4" NPT	6480/1.64-.....	1.501				
			1 1/2" NPT	6480/1.65-.....	1.501				
	Pendant mount		3/4" NPT	6480/1.72-.....	0.710				
			1"	6480/1.73-.....	0.710				
Wire guard	without wire guard			6480/11.....-0..	0.000				
	with wire guard			6480/11.....-1..	0.240				
Notes:									
	¹⁾	HSE	→	High-pressure sodium lamps					
		HIE	→	Metal halide lamps					
		HME	→	Mercury lamps					
	²⁾	QUAD	→	120, 208, 240, 277 V, 60 Hz					
		TRI	→	120, 277, 347 V, 60 Hz					
	-	The light fittings are supplied without lamps (see accessories)							
	-	External reflector (see accessories)							

Pendant Light Fitting NEC Series 6480

Selection Table									
Version	Lamps ¹⁾	Lamp holder	Lamp wattage	Voltage ²⁾	Rated current I _N	Order number	Weight kg		
					A				
Pendant Light Fitting NEC Series 6480 Size 2 up to 250 W; with compensation	HIE	E 39	175 W	120 V 60 Hz	1.8	6480/12...-2182-1.0-2	3.060		
				QUAD	1.80/1.04/0.90/0.80	6480/12...-2182-1.0-4	3.060		
				TRI	1.80/0.80/0.65	6480/12...-2182-1.0-5	3.150		
			250 W			120 V 60 Hz	2.5	6480/12...-2252-1.0-2	4.050
						QUAD	2.50/1.45/1.25/1.10	6480/12...-2252-1.0-4	4.050
						TRI	2.5/1.10/0.90	6480/12...-2252-1.0-5	4.500
			HME	E 39	175 W *	120 V 60 Hz	1.92	6480/12...-4182-1.0-2	2.025
						QUAD	1.92/1.10/0.96/0.83	6480/12...-4182-1.0-4	2.250
						TRI	1.75/0.87/0.60	6480/12...-4182-1.0-5	2.475
	250 W *					120 V 60 Hz	2.5	6480/12...-4252-1.0-2	2.700
						QUAD	2.50/1.45/1.25/1.10	6480/12...-4252-1.0-4	3.375
						TRI	2.50/1.25/0.85	6480/12...-4252-1.0-5	3.375
	Order Number Supplement								
	Mounting and cable entries	Mounting	Ceiling mount		Cable entries				
					3/4" NPT	6480/1.32-.....			1.230
Wall mount				1"	6480/1.33-.....	1.234			
				1/2" NPT	6480/1.41-.....	1.881			
				3/4" NPT	6480/1.42-.....	1.881			
				1"	6480/1.43-.....	1.881			
Stanchion mount 25 °				1 1/4" NPT	6480/1.54-.....	1.113			
				1 1/2" NPT	6480/1.55-.....	1.113			
Stanchion mount 90 °				1 1/4" NPT	6480/1.64-.....	1.501			
				1 1/2" NPT	6480/1.65-.....	1.501			
Pendant mount			3/4" NPT	6480/1.72-.....	0.710				
			1"	6480/1.73-.....	0.710				
Wire guard	without wire guard			6480/12.....-0..	0.000				
	with wire guard			6480/12.....-1..	0.280				
Notes:									
	¹⁾	HSE	→	High-pressure sodium lamps					
		HIE	→	Metal halide lamps					
		HME	→	Mercury lamps					
	²⁾	QUAD	→	120, 208, 240, 277 V, 60 Hz					
		TRI	→	120, 277, 347 V, 60 Hz					
	*	Not suitable for Class II, Div. 2, Group G.							
	-	The light fittings are supplied without lamps (see accessories)							
	-	External reflector (see accessories)							








Selection Table							
Version	Lamps ¹⁾	Lamp holder	Lamp wattage	Voltage ²⁾	Rated current I _N	Order number	Weight kg
					A		
Pendant Light Fitting NEC Series 6480 Size 3 up to 400 W; with compensation	HIE	E 39	400 W *	120 V 60 Hz	4	6480/13...-2402-1.0-2	5.175
				QUAD	4.00/2.30/2.00/1.75	6480/13...-2402-1.0-4	5.175
				TRI	4.0/1.75/1.40	6480/13...-2402-1.0-5	5.400
	HSE	E 39	200 W	120 V 60 Hz	0.56	6480/13...-3202-1.0-2	3.825
				QUAD	2.22/1.28/1.11/0.95	6480/13...-3202-1.0-4	3.825
				TRI	2.70/1.15/0.93	6480/13...-3252-1.0-5	5.175
			250 W	120 V 60 Hz	2.5	6480/13...-3252-1.0-2	4.950
				QUAD	2.50/1.50/1.30/1.10	6480/13...-3252-1.0-4	4.950
				TRI	2.70/1.15/0.93	6480/13...-3252-1.0-5	5.175
			400 W	120 V 60 Hz	3.8	6480/13...-3402-1.0-2	6.075
				QUAD	3.80/2.20/1.90/1.70	6480/13...-3402-1.0-4	6.075
				TRI	3.80/1.70/1.32	6480/13...-3402-1.0-5	6.075
	HME	E 39	400 W †	QUAD	3.90/2.20/1.95/1.70	6480/13...-4402-1.0-4	6.075
	Order Number Supplement						
Mounting and cable entries	Mounting	Ceiling mount	Cable entries		6480/1332-.....	1.707	
			3/4" NPT	6480/1333-.....			1.707
	Wall mount		1"	6480/1341-.....	3.271		
			1/2" NPT	6480/1342-.....	3.271		
			3/4" NPT	6480/1343-.....	3.271		
			1"	6480/1354-.....	2.355		
	Stanchion mount 25 °		1 1/4" NPT	6480/1355-.....	2.355		
			1 1/2" NPT	6480/1364-.....	3.122		
	Stanchion mount 90 °		1 1/4" NPT	6480/1365-.....	3.122		
			1 1/2" NPT	6480/1372-.....	1.369		
Pendant mount		3/4" NPT	6480/1373-.....	1.369			
		1"	6480/13...-0..	0.000			
Wire guard		without wire guard	6480/13...-1..	0.570			
		with wire guard					
Notes:							
	¹⁾	HSE	→	High-pressure sodium lamps			
		HIE	→	Metal halide lamps			
		HME	→	Mercury lamps			
	²⁾	QUAD	→	120, 208, 240, 277 V, 60 Hz			
		TRI	→	120, 277, 347 V, 60 Hz			
	*	Not suitable for Class II, Div. 2, Group G.					
	-	The light fittings are supplied without lamps (see accessories)					
	-	External reflector (see accessories)					



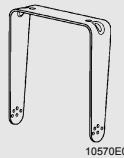
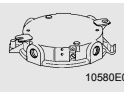
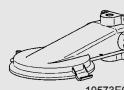
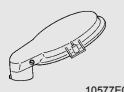

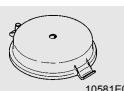



Temperature classes						
Lamp		Ambient temperature T _a =	Temperature class			Supply wire temperature
Type	Wattage		Class I, Div. 2, Groups A, B, C, D (lamp temperatures)		Class II, Div. 2, Groups F, G (surface temperatures)	
			Div. 2	Zone 2	with reflector	
Type 6480/11; Size 1						
HSE	50 W	40 °C / 104 °F	T2C (230 °C / 446 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	90 °C / 194 °F
		55 °C / 131 °F	T2C (230 °C / 446 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	90 °C / 194 °F
	70 W	40 °C / 104 °F	T2C (230 °C / 446 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	90 °C / 194 °F
		55 °C / 131 °F	T2C (230 °C / 446 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	90 °C / 194 °F
	100 W	40 °C / 104 °F	T2B (260 °C / 500 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	105 °C / 221 °F
		55 °C / 131 °F	T2B (260 °C / 500 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	105 °C / 221 °F
150 W	40 °C / 104 °F	T2B (260 °C / 500 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	105 °C / 221 °F	
	55 °C / 131 °F	T2B (260 °C / 500 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	105 °C / 221 °F	
HIE	50 W	40 °C / 104 °F	T3 (200 °C / 392 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	90 °C / 194 °F
		55 °C / 131 °F	T2D (215 °C / 491 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	90 °C / 194 °F
	70 W	40 °C / 104 °F	T3 (200 °C / 392 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	75 °C / 164 °F
		55 °C / 131 °F	T2D (215 °C / 491 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	90 °C / 194 °F
	100 W	40 °C / 104 °F	T2B (260 °C / 500 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	90 °C / 194 °F
		55 °C / 131 °F	T2B (260 °C / 500 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	105 °C / 221 °F
150 W	40 °C / 104 °F	T2A (280 °C / 536 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	105 °C / 221 °F	
	55 °C / 131 °F	T2A (280 °C / 536 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	105 °C / 221 °F	
HME	50 W	40 °C / 104 °F	T2 (300 °C / 572 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	90 °C / 194 °F
		55 °C / 131 °F	T2 (300 °C / 572 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	90 °C / 194 °F
	75 W	40 °C / 104 °F	T2 (300 °C / 572 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	90 °C / 194 °F
		55 °C / 131 °F	T2 (300 °C / 572 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	90 °C / 194 °F
	100 W	40 °C / 104 °F	T2 (300 °C / 572 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	90 °C / 194 °F
		55 °C / 131 °F	T2 (300 °C / 572 °F)	T2 (300 °C / 572 °F)	T4A (120 °C / 248 °F)	90 °C / 194 °F
Type 6480/12; Size 2						
HIE	175 W	40 °C / 104 °F	T2A (280 °C / 536 °F)	T2 (300 °C / 572 °F)	T3C (160 °C / 320 °F)	125 °C / 257 °F
	250 W	40 °C / 104 °F	T2A (280 °C / 536 °F)	T2 (300 °C / 572 °F)	T3C (160 °C / 320 °F)	125 °C / 257 °F
HME	175 W*	40 °C / 104 °F	T1 (450 °C / 842 °F)	T1 (450 °C / 842 °F)	T3A (180 °C / 356 °F)	125 °C / 257 °F
	250 W*	40 °C / 104 °F	T1 (450 °C / 842 °F)	T1 (450 °C / 842 °F)	T3A (180 °C / 356 °F)	125 °C / 257 °F
Type 6480/13; Size 3						
HSE	200W	40 °C / 104 °F	T1 (450 °C / 842 °F)	T1 (450 °C / 842 °F)	T2B (260 °C / 500 °F)	105 °C / 221 °F
		55 °C / 131 °F	T1 (450 °C / 842 °F)	T1 (450 °C / 842 °F)	T2A (280 °C / 536 °F)	105 °C / 221 °F
	250 W	40 °C / 104 °F	T1 (450 °C / 842 °F)	T1 (450 °C / 842 °F)	T2B (260 °C / 500 °F)	105 °C / 221 °F
		55 °C / 131 °F	T1 (450 °C / 842 °F)	T1 (450 °C / 842 °F)	T2A (280 °C / 536 °F)	105 °C / 221 °F
	400 W	40 °C / 104 °F	T1 (450 °C / 842 °F)	T1 (450 °C / 842 °F)	T2B (260 °C / 500 °F)	105 °C / 221 °F
		55 °C / 131 °F	T1 (450 °C / 842 °F)	T1 (450 °C / 842 °F)	T2A (280 °C / 536 °F)	105 °C / 221 °F
HIE	400 W*	40 °C / 104 °F	T2B (260 °C / 500 °F)	T2 (300 °C / 572 °F)	T2B (260 °C / 500 °F)	105 °C / 221 °F
		55 °C / 131 °F	T2B (260 °C / 500 °F)	T2 (300 °C / 572 °F)	T2B (260 °C / 500 °F)	105 °C / 221 °F
HME	400 W	40 °C / 104 °F	T2 (300 °C / 572 °F)	T2 (300 °C / 572 °F)	T2C (230 °C / 446 °F)	90 °C / 194 °F
		55 °C / 131 °F	T2A (300 °C / 572 °F)	T2 (300 °C / 572 °F)	T2B (260 °C / 500 °F)	105 °C / 221 °F

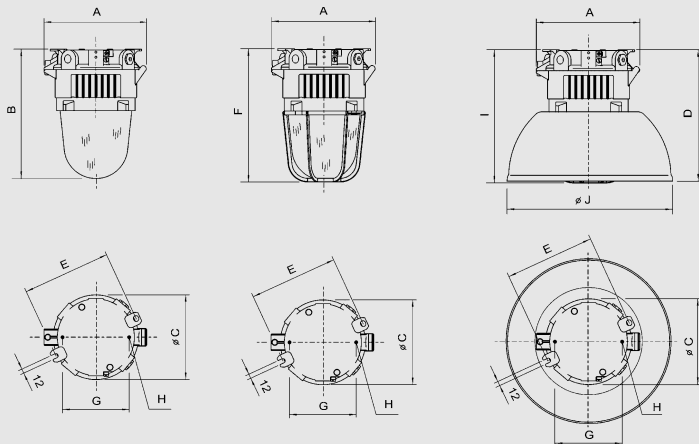
* Not suitable for Class II, Div. 2, Group G.

Accessories and Spare Parts						
Designation	Diagram	Description			Order number	Weight kg
		Power	Lamp holder	Luminous flux		
High-pressure sodium vapour lamps HSE	 04963E00	50 W	E 26	3600 lm	109451	0.010
		70 W	E 26	5350 lm	109452	0.074
		100 W	E 26	8000 lm	109453	0.100
		150 W	E 26	13400 lm	109454	0.216
		150 W	E 39	13400 lm	109513	0.256
		200 W	E 39	19800 lm	109455	0.200
		250 W	E 39	26100 lm	109456	0.210
		400 W	E 39	40000 lm	109457	0.214
Metal-halide lamps HIE	 04963E00	50 W	E 26	1900 lm	109458	0.080
		70 W	E 26	3400 lm	109459	0.090
		100 W	E 26	5525 lm	109460	0.160
		150 W	E 26	10000 lm	109461	0.165
		150 W	E 39	10000 lm	109516	0.170
		175 W	E 26	9300 lm	109517	0.170
		175 W	E 39	9300 lm	109518	0.175
		250 W	E 39	17000 lm	109462	0.180
Mercury lamps HME	 04963E00	50 W	E 26	3600 lm	109464	0.010
		75 W	E 26	1800 lm	109465	0.074
		100 W	E 26	3560 lm	109466	0.081
		175 W	E 26	7150 lm	109519	0.226
		175 W	E 39	7150 lm	109520	0.236
		250 W	E 39	7150 lm	109521	0.200
		400 W	E 39	18700 lm	109467	0.214
Replacement glass	 10572E00	temperature resistant borosilicate glass with screw-in thread				
		for 6470/11 and 6480/11			123041	3.370
		for 6470/12 and 6480/12			123051	4.400
Wire guard	 10571E00	made of salt water resistant aluminium, with mounting parts				
		for 6470/11 and 6480/11			123038	0.250
		for 6470/12 and 6480/12			123039	0.300
Standard reflector	 10288E00	made of glass fibre reinforced polyester, with mounting parts				
		for 6470/11, 6470/12 and 6480/11, 6480/12			123042	2.250
		for 6470/13 and 6480/13			123053	5.500
Reflector 30 °	 06249E00	made of glass fibre reinforced polyester, with mounting parts				
		for 6470/11 and 6470/12 for 6480/11 and 6480/12			123043	0.600



Accessories and Spare Parts				
Designation	Diagram	Description	Order number	Weight
Mounting bracket		made of stainless steel, with mounting parts		--
		for 6470/11, 6470/12 and 6480/11, 6480/12	122757	1.200
		for 6470/13 and 6480/13	122758	1.500
Cover for ceiling mounting		Ceiling mount via taps found on the cover.		--
		with thread NPT 3/4" for 6480/11 and for 6480/12	123002	1.230
		with thread NPT 3/4" for 6480/13	123020	1.230
		with thread NPT 1" for 6480/11 and for 6480/12	123003	1.230
		with thread NPT 1" for 6480/13	123021	1.707
Cover for wall mounting		with thread NPT 3/4" for 6480/11 and for 6480/12	123010	1.881
		with thread NPT 3/4" for 6480/13	123028	1.881
		with thread NPT 1" for 6480/11 and for 6480/12	123011	1.881
		with thread NPT 1" for 6480/13	123029	3.275
Cover for pole mounting 25 °		with thread NPT 1 1/4" for 6480/13	123013	1.100
		with thread NPT 1 1/4" for 6480/13	123031	1.113
		with thread NPT 1 1/2" for 6480/11 and for 6480/12	123012	1.100
		with thread NPT 1 1/2" for 6480/13	123030	2.355
Cover for pole mounting 90 °		with thread NPT 1 1/4" for 6480/13	123015	1.500
		with thread NPT 1 1/4" for 6480/13	123033	3.122
		with thread NPT 1 1/2" for 6480/11 and for 6480/12	123014	1.500
		with thread NPT 1 1/2" for 6480/13	123032	3.122
Cover for pendant mount		with thread NPT 3/4" for 6470/11, 6470/12 and for 6480/11, 6480/12	123006	0.978
		with thread NPT 3/4" for 6470/13 and for 6480/13	123025	1.400
		with thread NPT 1" for 6470/11, 6470/12 and for 6480/11, 6480/12	123007	0.978
		with thread NPT 1" for 6470/13 and for 6480/13	123024	1.400
Stopping plugs		NPT 1"	106131	0.020
		NPT 3/4"	106135	0.001

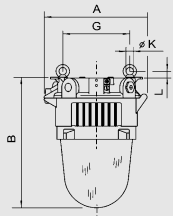
Dimension Drawings (All Dimensions in mm) - Subject to Alterations



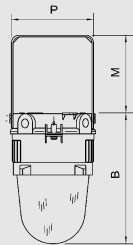
Dim. in mm / Zoll

	6480/11	6480/12	6480/13
A	227 / 8,94	227 / 8,94	372 / 14,65
B	352 / 13,86	414 / 16,30	514 / 20,24
C	230 / 9,06	230 / 9,06	310 / 12,20
D	353 / 13,90	353 / 13,90	521 / 20,51
E	240 / 9,45	240 / 9,45	329 / 12,95
F	357 / 14,06	423 / 16,65	533 / 20,98
G	180 / 7,09	180 / 7,09	260 / 10,24
H	M 8	M 8	M 10
I	358 / 14,09	424 / 16,69	535 / 21,06
J	444 / 17,48	444 / 17,48	715 / 28,15

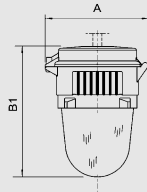
Ceiling mount without wire guard



Ceiling mount with wire guard



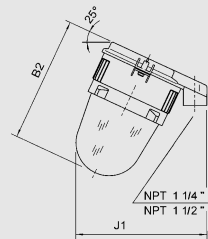
Ceiling mount with reflector



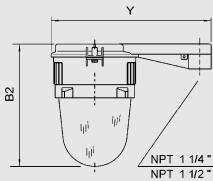
Dim. in mm / Zoll

	6480/11	6480/12	6480/13
A	227 / 8,94	227 / 8,94	372 / 14,65
B	352 / 13,86	414 / 16,30	514 / 20,24
B1	350 / 13,78	412 / 16,22	517 / 20,35
C	230 / 9,06	230 / 9,06	310 / 12,20
G	180 / 7,09	180 / 7,09	260 / 10,24
H	M 8	M 8	M 10
K	20 / 0,79	20 / 0,79	25 / 0,98
L	18 / 0,71	18 / 0,71	22,5 / 0,89
M	208 / 8,19	208 / 8,19	209 / 8,23
N	150 / 5,91	150 / 5,91	200 / 7,87
P	220 / 8,66	220 / 8,66	302 / 11,89

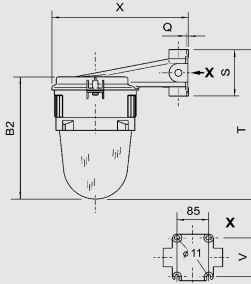
Pendant mount via ring bolts



Pendant mount via mounting bracket



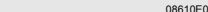
Ceiling mount with reflector



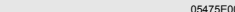
Dim. in mm / Zoll

	6480/11	6480/12	6480/13
A	227 / 8,94	227 / 8,94	372 / 14,65
B2	331 / 13,03	393 / 15,72	498 / 19,61
C	230 / 9,06	230 / 9,06	310 / 12,20
J1	340 / 13,39	367 / 14,45	511 / 20,12
Q	7 / 0,28	7 / 0,28	8 / 0,32
R	250 / 9,84	250 / 9,84	422 / 16,61
S	105 / 4,13	125 / 4,92	160 / 6,30
T	405 / 15,94	466 / 18,35	592 / 23,31
V	105 / 4,13	125 / 4,92	139 / 5,47
X	366,5 / 14,43	366,5 / 14,43	579 / 22,80
Y	427 / 16,81	427 / 16,81	628 / 24,72

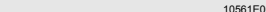
Stanchion mount 25°



Stanchion mount 90°



Wall mount



We reserve the right to make alterations to the technical data, weights, dimensions, designs and products available without notice. The illustrations cannot be considered binding.